# TOWN OF CARRBORO, NORTH CAROLINA
# CAPITAL IMPROVEMENTS PLAN
# FY 2019-20 THROUGH FY 2023-24

## BOARD OF ALDERMEN

Lydia Lavelle, Mayor
Damon Seils, Mayor Pro-Tempore
Bethany Chaney
Barbara Foushee
Jacquelyn Gist
Randee Haven-O'Donnell
Sammy Slade

## TOWN MANAGER

David L. Andrews, ICMA-CM

## DEPARTMENT HEADS

Cathy Dorando, Town Clerk
Julie Eckenrode, Human Resources
Joe Guckavan, Public Works Director
Walter Horton, Police Chief
Annette Stone, Economic & Community Development Director
Arche L. McAdoo, Finance Director
Patricia McGuire, Planning Director
Anita Jones-McNair, Recreation and Parks Director
Andy Vogel, Information Technology Director
Susanna Williams, Fire Chief

## Table of Contents


**Message from the Manager** 3

**Introduction** 7

**Current Projects** 8
- Recreation and Parks 8
- Sidewalks and Greenways 8
- Public Works 8
- Technology Projects 8

**New Project Requests** 9
- Storm Water Utilities 9
- Vehicles and Equipment 10
- Transportation Projects 11

**Financial Status of the Town** 12

**Impact of Operating Budget** 12

**Appendices**
- Appendix A – Vehicle Replacement Policy Evaluation 17
- Appendix B – Vehicle Replacement Schedule 20
- Appendix C – Capital Improvement Plan summaries and graphs 22
- Appendix C – Listing of Capital Improvement Projects by Category 30
  - General Government project detail forms 32
  - Information Technology project detail forms 34
  - Police and Fire project detail form 37
  - Planning and Zoning project detail forms 38
  - Public Works project detail forms 43
  - Recreation and Parks project detail form 56
  - Storm Water project detail forms 57

# Message from the Manager
# Capital Improvements Plan
## *FY 2019-20 through FY 2023-24*

March 5, 2019

Dear Mayor and Board of Aldermen:

After extensive review of Town needs and priorities, we have developed a Capital Improvements Plan (CIP) for the next five years that concentrates on renovation of existing Town facilities, financing the 203 Project, and storm water improvements.

The CIP through FY 2023-24 totals $47.5 million and includes $22.7 million for projects that are currently underway and $24.8 million for new projects. In 2021 we expect to finalize financing for the 203 Project. This is a joint endeavor between the Town and Orange County, to develop a facility to house the Orange County Southern Branch Library and recreational programs for the Town. The project is currently estimated to cost $15.6 million, The County is expected to contribute $6.6 million and the Town anticipates financing its $9.0 million share through a combination of cash and installment financing.

The Facilities Assessment and Space Needs Study conducted in 2016 identified a need for the renovation of several Town building. In 2022 and 2023 we anticipate needing $6.2 million for renovation of Town Hall, Century Center and Fire Station #1. This cost will be refined over the next year as Public Works does an assessment of these facilities. In 2020 funds are identified to undertake certain corrective facilities projects (e.g., roof replacement, basement water proofing, bus shelter replacements, unpaved roads, sidewalk repairs, etc.).

For replacement of vehicles and equipment, the Fleet Management Division in Public Works estimates a need for $2.8 million over the next five years. Each year when the annual operating budget is developed, vehicles and equipment scheduled for replacement undergo another evaluation and priorities are established. Only the highest priorities are funded in the operating budget. The actual vehicles and equipment to be acquired in any given year will continue to be dependent upon the Town's financial condition and debt tolerance.

Seven storm water projects are included in the CIP at an estimated cost of $2.2 million over the next five years. These projects are expected to be funded by the Storm Water Fee established in 2018-19. All storm water activities now reside in the Storm Water Utility Enterprise Fund. The Utility Enterprise Fund is expected to provide a stable and consistent source of funding to address storm water and flooding issues throughout the Town.

**Overall Costs**

The total cost of the CIP for FY 2019-20 through FY 2023-24 is estimated at $47.5 million, $15.2 million, more than last year. Current projects total $22.7 million or 48% of the total. Roughly 49% of the total is for Public Works and Planning projects representing $23.0 million of total costs.

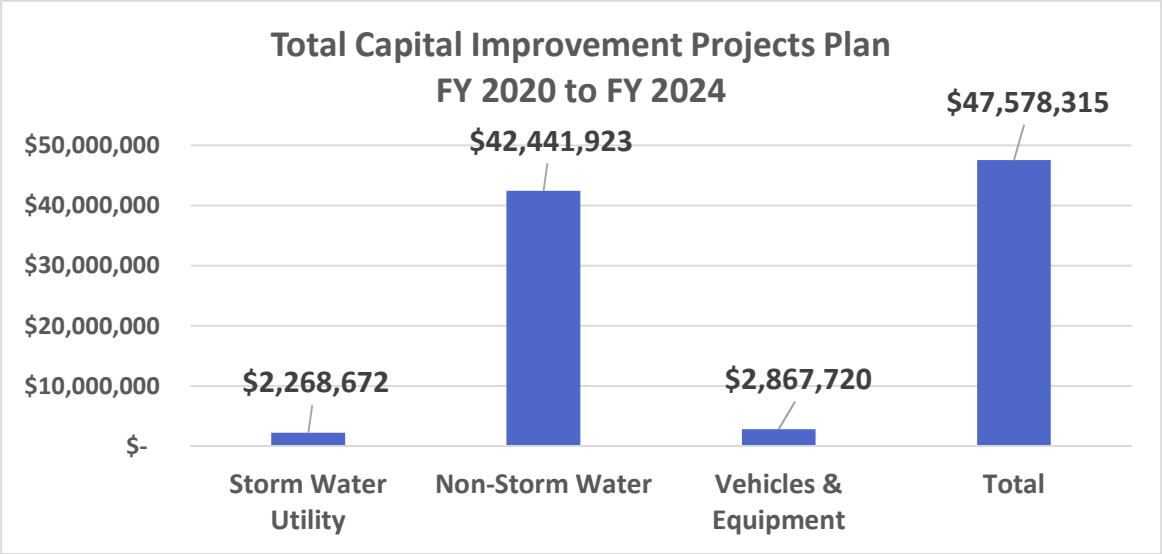
## Capital Projects by Category

| | Total Project Costs | % of Total |
|---|---|---|
| General Government | $ 15,699,895 | 33% |
| Information Technology | $ 413,000 | 1% |
| Public Safety | $ 314,924 | 1% |
| Planning and Zoning | $ 4,324,750 | 9% |
| Public Works | $ 19,128,158 | 40% |
| Recreation and Parks | $ 2,561,196 | 5% |
| Vehicles/Equipment | $ 2,867,720 | 6% |
| Storm Water | $ 2,268,672 | 5% |
| ***Total Projects*** | **$ 47,578,315** | **100%** |

The chart below shows the estimated cash needs by year.

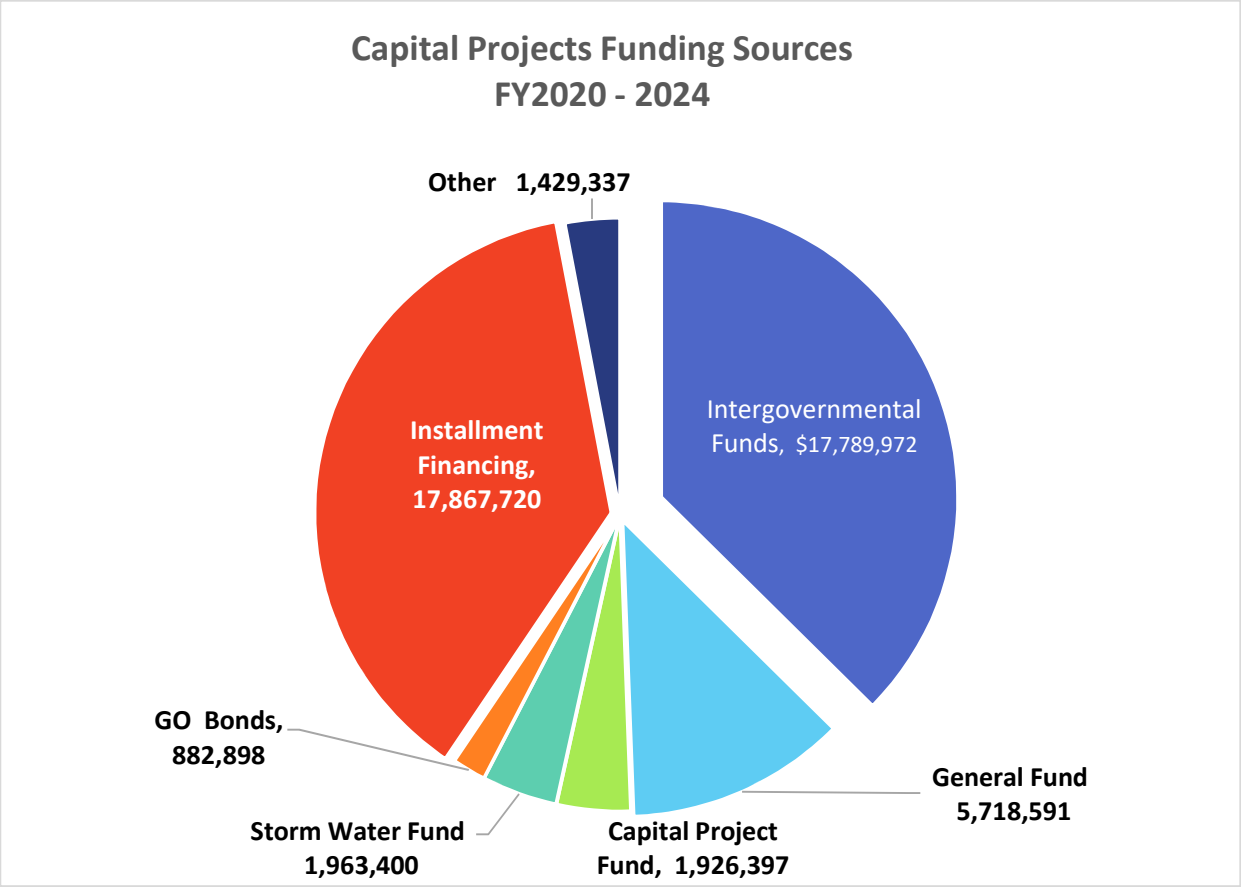
| | Previous Appropriations | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| General Government | 15,699,895 | 651,876 | 771,003 | 476,560 | 639,377 | 328,904 | 2,867,720 | 18,567,615 |
| Information Technology | 155,000 | 258,000 | - | - | - | - | 258,000 | 413,000 |
| Public Safety | - | 314,924 | - | - | - | - | 314,924 | 314,924 |
| Planning and Zoning | 1,987,500 | 600,250 | 46,000 | 978,897 | 43,196 | 668,907 | 2,337,250 | 4,324,750 |
| Public Works | 2,377,658 | 1,358,000 | 1,175,000 | 1,387,500 | 3,430,000 | 9,400,000 | 16,750,500 | 19,128,158 |
| Recreation and Parks | 2,561,196 | - | - | - | - | - | - | 2,561,196 |
| Storm Water | - | 540,672 | 375,000 | 381,000 | 462,000 | 510,000 | 2,268,672 | 2,268,672 |
| ***Total Projects*** | ***22,781,249*** | ***3,723,722*** | ***2,367,003*** | ***3,223,957*** | ***4,574,573*** | ***10,907,811*** | ***24,797,066*** | ***47,578,315*** |

Storm water projects total $2.2 million, vehicles and equipment total $2.8 million and $42.4 million are related to non-storm water projects.



**Funding Sources**

Below are the proposed sources of funding for the $47.5 million CIP for FY 2019-20 through FY 2023-24.



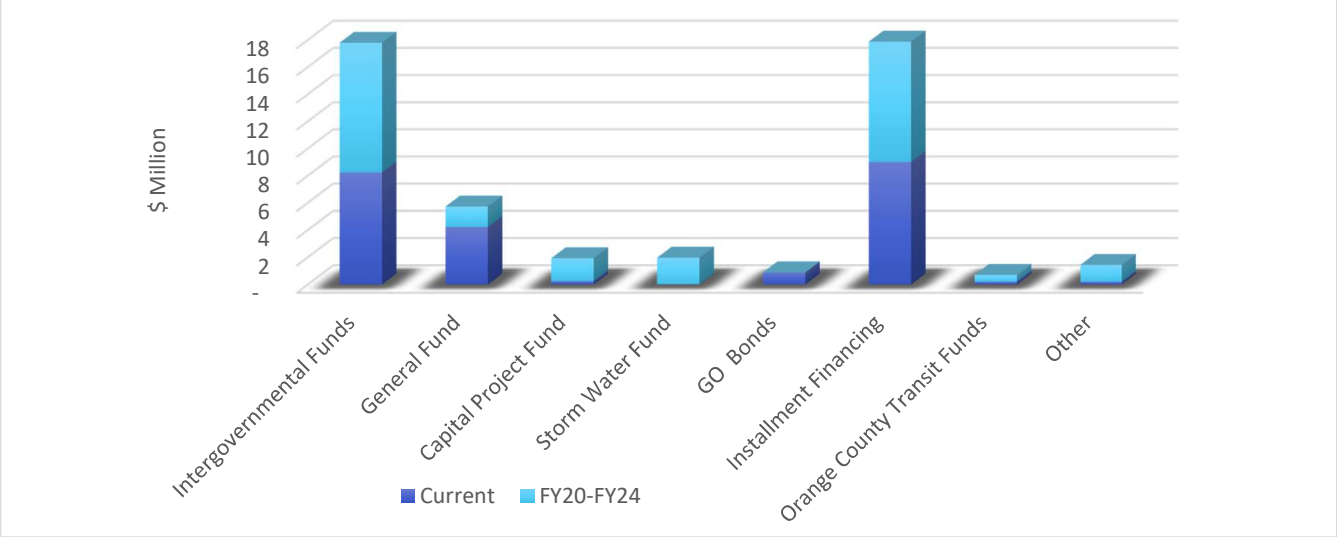

| | | |
|---|---|---|
| Intergovernmental Funds | $ 17,789,972 | 37.4% |
| General Fund | 5,718,591 | 12.0% |
| Capital Project Fund | 1,926,397 | 4.0% |
| Storm Water Fund | 1,963,400 | 4.1% |
| GO Bonds | 882,898 | 1.9% |
| Installment Financing | 17,867,720 | 37.6% |
| Other | 1,429,337 | 3.0% |
| **Total Funding** | **$ 47,578,315** | **100.0%** |

Historically, the Town has limited the use of debt financing for specific capital projects. For example, general obligation bonds were issued for sidewalks and greenways, bank financing for fire station #2, and lease-purchases for vehicle and equipment replacements annually. Installment debt financing for the CIP through FY 2023-24 comprise 37.6% of all capital funding sources compared to 35.8% last year.

Most all of the projects supported by General Obligation bonds issued in 2013 have been completed. The remaining projects (e.g., Rogers Road sidewalk, greenways, etc.) currently

comprise 39.3% of capital funding (intergovernmental and bond funds). At present, no decisions have been made as to future general obligation referendum.

Intergovernmental revenues provide a significant share of project costs. The challenge for the Town will be to provide matching funds for such revenues. General Fund operating funds will comprise 12.0% of capital financing sources. The Town has in the past been able to use 2013 general obligation bonds issued for sidewalks and greenways, and fund balance from the general fund to match intergovernmental funds. Below is a chart that shows financing sources for the current year compared to FY 2020-FY2024.




Undertaking the proposed capital projects through FY 2023-24 will present many challenges and decision points. Along with proper and appropriate design of capital projects, the Town will need to balance funding capital projects with the continuation of current level services to residents. With a heavy reliance on residential property tax revenues, the Town will need to continue to explore additional revenue sources (e.g. increased property tax rate, transit tax, prepared meals tax, increase fees, impact fees, etc.).

The Town has established high levels of service delivery for the citizens. Implementation of the proposed capital projects through FY 2023-24 will provide the necessary infrastructure and create an environment for continuation of high performance levels in delivering services to residents.

Sincerely,

David L. Andrews, ICMA-CM
Town Manager

## INTRODUCTION

The Capital Improvement Plan (CIP) is a planning tool that seeks to develop a plan for meeting the Town's immediate and long-term capital needs. It identifies needed capital investments for property, plant or equipment acquisitions and renovations to implement the Board of Aldermen's vision and strategic priorities for the Town. The Board's ultimate goal is to create and maintain Carrboro as a sustainable community that is a highly desirable place to live, with emphasis on quality of life policies such as walkability, environmental protection, recreation and local economic development.

No budget appropriations are made in the CIP. Capital projects are funded by the Board through adoption of a Capital Project Ordinance or in the annual general fund budget ordinance. Adjustments for project costs may be made each year during development of the annual operating budget**.** The CIP is prepared bi-annually and updated annually or as necessary.

Capital projects are required to address one of the Board's six strategic goals:

1. Maintaining the existing infrastructure in order to protect the Town's investments
2. Expanding the Town's tax base in a way that will benefit both current and future citizens
3. Complying with state and federal mandates
4. Incorporating energy and climate protection strategies
5. Providing Town services in the most efficient, safe and quality manner
6. Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans (e.g., Vision 2020, Downtown Visioning Plan, Downtown Traffic Circulation Study, Recreation and Parks Master Plan, etc.)

Projects in the CIP fall into one of the following categories:

- Public Works/Infrastructure projects (e.g., purchase, construction or renovation of buildings, purchase of land, construction of parks and greenways, sidewalk construction, etc.) that cost $100,000 or more and require several years for completion.

- Vehicles and Equipment replacements that cost $30,000 or more per unit. As a general rule, vehicles with less than 100,000 miles will not be replaced unless it is determined to be a "lemon" and annual repairs in a two year period exceed the cost of a new vehicle. Beginning in 2016 all vehicles for purchase must reflect fuel efficiencies as identified in the Town's Strategic Energy and Climate Protection Plan.

- Information Technology (IT) projects which cost $50,000 or more that are designed to increase or provide new technology capacity. IT projects related to software replacements, upgrades or maintenance costs are provided for in the annual operating budget.

- Storm Water Management projects to address mandated federal and state storm water compliance requirements, as well as flooding mitigation throughout the Town due to the frequency and severity of rain storms.

Project costs are updated periodically depending on the type of project. For example: street resurfacing costs are adjusted each year due to the fluctuation of petroleum costs; sidewalk costs are updated based on a cost per foot; new construction and renovations are calculated on a square foot basis. Funds appropriated in the annual operating budget for study or evaluation of facilities and infrastructure that are less than $50,000 are not included as part of the CIP project cost.

The table below is a summary of capital projects, current and new requests with estimated cash needs per year.

**Summary of Capital Improvements Plan**
**FY 2019-20 through FY 2023-24**

| | | Previous Appropriations | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | | |
| | Planning/Design | 2,400,124 | 460,406 | 55,000 | 1,154,897 | 447,000 | 6,110,000 | 8,227,303 | 10,627,427 |
| | Construction | 19,684,645 | 1,993,516 | 1,495,000 | 1,592,500 | 3,445,000 | 4,368,907 | 12,894,923 | 32,579,568 |
| | Land/ROW | 696,480 | 125,000 | 46,000 | - | 43,196 | - | 214,196 | 910,676 |
| | Equipment/Furnishings | - | 1,144,800 | 771,003 | 476,560 | 639,377 | 428,904 | 3,460,644 | 3,460,644 |
| **Total Expenditures** | | $ 22,781,249 | $3,723,722 | $2,367,003 | $3,223,957 | $4,574,573 | $10,907,811 | $24,797,066 | $47,578,315 |
| | | | | | | | | | |
| **Appropriations** | | | | | | | | | |
| | Intergovernmental Funds | 8,231,100 | 969,472 | 477,000 | 1,312,718 | 164,557 | 6,635,125 | 9,558,872 | 17,789,972 |
| | General Fund | 4,218,591 | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 1,500,000 | 5,718,591 |
| | Capital Project Fund | 248,823 | 1,058,974 | 225,000 | 251,179 | 8,639 | 133,782 | 1,677,574 | 1,926,397 |
| | Storm Water Fund | - | 235,400 | 375,000 | 381,000 | 462,000 | 510,000 | 1,963,400 | 1,963,400 |
| | GO Bonds | 882,898 | - | - | - | - | - | - | 882,898 |
| | Installment Financing | 9,000,000 | 651,876 | 771,003 | 576,560 | 3,539,377 | 3,328,904 | 8,867,720 | 17,867,720 |
| | Other * | 199,837 | 508,000 | 219,000 | 402,500 | 100,000 | - | 1,229,500 | 1,429,337 |
| **Total Funding** | | $ 22,781,249 | $3,723,722 | $2,367,003 | $3,223,957 | $4,574,573 | $10,907,811 | $24,797,066 | $47,578,315 |

## CURRENT PROJECTS

The Board of Aldermen has appropriated $22.7 million for nine (9) capital projects that are currently underway. Below is a list of these projects. For a status report of each project, see Appendix C.

**RECREATION AND PARKS**

| | |
|---|---|
| Martin Luther King , Jr. Park | $ 2,561,196 |
| **Total Recreations & Parks** | **$ 2,561,196** |

**SIDEWALKS AND GREEENWAYS**

| | |
|---|---|
| Jones Creek Greenway | $ 420,000 |
| Morgan Creek Greenway | $ 1,567,500 |
| Rogers Road Sidewalk | $ 1,371,658 |
| South Greensboro Sidewalk | $ 105,000 |
| **Total Sidewalks & Greenways** | **$ 3,464,158** |

**PUBLIC WORKS**

| | |
|---|---|
| Street Resurfacing | $ 801,000 |
| 203 Project | $ 15,699,895 |
| LED Street Lights | $ 100,000 |
| **Total Public Works** | **$ 16,600,895** |

**TECHNOLOGY PROJECTS**

| | |
|---|---|
| Rogers Road Conduit | $ 155,000 |
| **Total Technology Projects** | **$ 155,000** |

Several projects are expected to be completed in FY 2019-20 and no additional funding above current appropriation is anticipated:

- Morgan Creek Greenway
- LED Street Lights
- Rogers Road Sidewalk
- Rogers Road Conduit
- Martin Luther King, Jr. Park

The Town continues to maintain its road infrastructure with a planned 15-year cycle street resurfacing program. The Town sets aside funds in Capital Project Reserve each year for street re-surfacing and issues a paving contract every two years. Currently there is $801,000 appropriated for street re-surfacing with an estimated need of $1.5 million over the next five years.

Town staff continues to work on energy and climate protection to identify, evaluate and plan for implementation of energy efficiency strategies in Town facilities and infrastructure. The project to replace street lights with LED lights is finally moving forward with Duke Energy. The estimated cost of implement LED lights throughout the Town is expected to cost less than $100,000. Funds not needed for LED lights will be shifted to install ceiling fans in the shelter at Town Commons.

## NEW PROJECT REQUESTS

Between FY 2019-20 and FY 2023-24 it is estimated that the Town will need an additional $24.8 million for street re-surfacing, vehicle and equipment replacement, storm water, and proposed new projects.

| PROJECT COSTS | Previous Appropriations | FY 2020- 24 Request | Total Project Costs |
|---|---|---|---|
| Current Projects | $ 22,626,249 | $ 3,267,750 | $ 25,893,999 |
| New Projects | | $ 16,134,924 | $ 16,134,924 |
| Vehicles/Equipment | | $ 2,867,720 | $ 2,867,720 |
| Technology Projects | $ 155,000 | $ 258,000 | $ 413,000 |
| Storm Water Projects | | $ 2,268,672 | $ 2,268,672 |
| **TOTAL ALL PROJECTS** | **$ 22,781,249** | **$ 24,797,066** | **$ 47,578,315** |

See Appendix C for a description of new CIP projects and financing needs through FY 2023-24.

**Storm Water Utilities**

In the past we have used "Storm Water Management" to show retrofits required of the Town to address the Jordan Lake Rules and other regulatory requirements. As of July 1, 2017, the Town has established a Storm Water Utility Enterprise Fund to manage regulatory requirement, as well as flooding mitigation. In FY 2018-19, the Town established a fee schedule to be paid by owners for storm water. The Utility Enterprise Fund is expected to provide a stable and consistent source of funding to address storm water and flooding issues. Funding for storm water capital projects are anticipated to be paid from the Enterprise Fund.

Over the next five years capital projects for storm water total $2.2 million. Below is list of storm water projects to be undertaken over the next five years.

| | | |
|---|---|---|
| Public Works Stream Restoration/Culvert Replacement | $ | 407,030 |
| Broad St. Culvert Replacement | $ | 73,642 |
| Anderson Park Storm Water Retrofits | $ | 380,000 |
| Retrofits on Town Land Adjacent to Public Works | $ | 360,000 |
| Storm Water Retrofits at OWASA | $ | 436,000 |
| McDougle School Storm Water Retrofits | $ | 502,000 |
| Carrboro Elementary/Shetley Bikeway Storm Water Retrofits | $ | 110,000 |
| **Total Storm Water Enterprise Fund** | **$** | **2,268,672** |

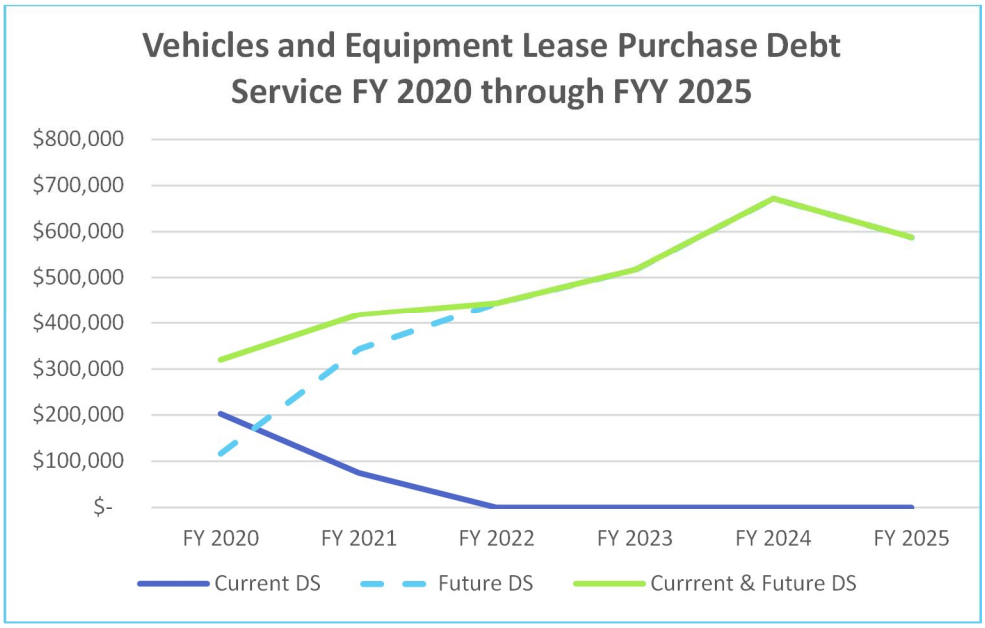
**Vehicles and Equipment**

The cost for replacement of Vehicles and Equipment over the next five years total $2.8 million compared to $2.5 million in last year's CIP. Part of the reason for this increase is that we modified the replacement criteria to include other operating factors in addition to the age and mileage of vehicles (see Appendix A). Below is the projected schedule for vehicle and equipment replacements over the next five years.

| FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Total |
|---|---|---|---|---|---|
| $ 651,876 | $ 771,003 | $ 476,560 | $ 639,377 | $ 328,904 | $2,867,720 |

See Appendix B for detailed list of vehicles and equipment proposed for replacement. The actual vehicles and equipment to be acquired in any given year will continue to be dependent upon the Town's financial condition and debt tolerance. Going forward the Town may need to re-evaluate its strategy of lease purchase of vehicles and equipment and institute an Internal Service Fund for vehicles and equipment. Below is chart showing current debt service, future debt service and total debt service over the next five years.

| | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 |
|---|---|---|---|---|---|
| **Current** | $ 202,712 | $ 74,998 | $ - | $ - | $ - |
| **Future** | $ 117,066 | $ 343,644 | $ 444,867 | $ 517,864 | $ 672,326 |
| **Current & Future** | $ 319,778 | $ 418,642 | $ 444,867 | $ 517,864 | $ 672,326 |




**Transportation Projects**

The Town has received a number of federal and state highway transportation grants to help fund greenways, multi-use paths, sidewalks and other roadway infrastructure. These grants require a local match. For informational purposes, below is a list of Transportation Projects where funding has been approved or earmarked for certain Town projects by the MPO and/or state Department of Transportation (NCDOT) that will require a local match.

| | Federal/State Amount | Local Match Amount | Total Cost |
|---|---|---|---|
| Barnes Street Sidewalk | $ 233,600 | $ 58,400 | $ 292,000 |
| Este Drive Bike-Ped Improvements | $ 851,000 | $ 213,000 | $ 1,064,000 |
| Jones Creek Greenway | $ 680,200 | $ 170,050 | $ 850,250 |
| Jones Ferry Road Sidewalk | $ 440,800 | $ 110,200 | $ 551,000 |
| Morgan Creek Greenway | $ 1,254,000 | $ 313,500 | $ 1,567,500 |
| Rogers Road Sidewalk | $ 542,600 | $ 829,058 | $ 1,371,658 |
| S. Greensboro Street Sidewalk | $ 1,154,000 | $ 288,500 | $ 1,442,500 |
| **Total Project Cost** | **$ 5,156,200** | **$ 1,982,708** | **$ 7,138,908** |
| ***% of Total*** | ***72.2%*** | ***27.8%*** | ***100.0%*** |

As the design for these projects are completed and Municipal Agreements are executed, the CIP will be revised to reflect any changes in cost. Additionally, the Town will continue to submit other transportation projects for consideration for the Strategic Prioritization 6.0 process. Should any of these projects be programmed for funding, the Town would be required to provide a 20% local match for each project.

## FINANCIAL STATUS OF THE TOWN

Overall, the Town's financial health is good. At June 30, 2018 the Town's governmental funds had combined ending fund balances of $21.4 million. Approximately 49.9% or $10.6 million of this total amount is available for spending at the government's discretion. The unassigned fund balance for the General Fund was $10.6 million or 52.3% of total General Fund expenditures of $20.3 million.

The Town's assets and deferred outflows of resources exceeded its liabilities and deferred inflows of resources by $27.2 million (net position) at June 30, 2018. Several factors of the Town's financial operations influenced the net position:

- Property tax revenues increased by $1.1 million from $11.8 million in 2017 to $12.9 million in 2018;
- Local options sales tax revenues increased by 4.9% over the prior year;
- Other tax revenues, primarily from mother vehicle license taxes, remained stable at $1.6 million; and,
- Unrestricted intergovernmental revenues decreased less than 1%.

The Board of Aldermen has adopted a Fund Balance policy to maintain a General Fund unassigned fund balance within a range of 22.5% to 35% of budgeted appropriations. When the General Fund unassigned fund balance exceeds 35%, the Town Manager may set aside an amount in assigned fund balance for transfer to Capital Reserves Fund for specific future capital projects. Should the unassigned fund balance in the General Fund fall below 20%, the Town Manager must develop and implement a plan to re-build the balance to 22.5% within one year.

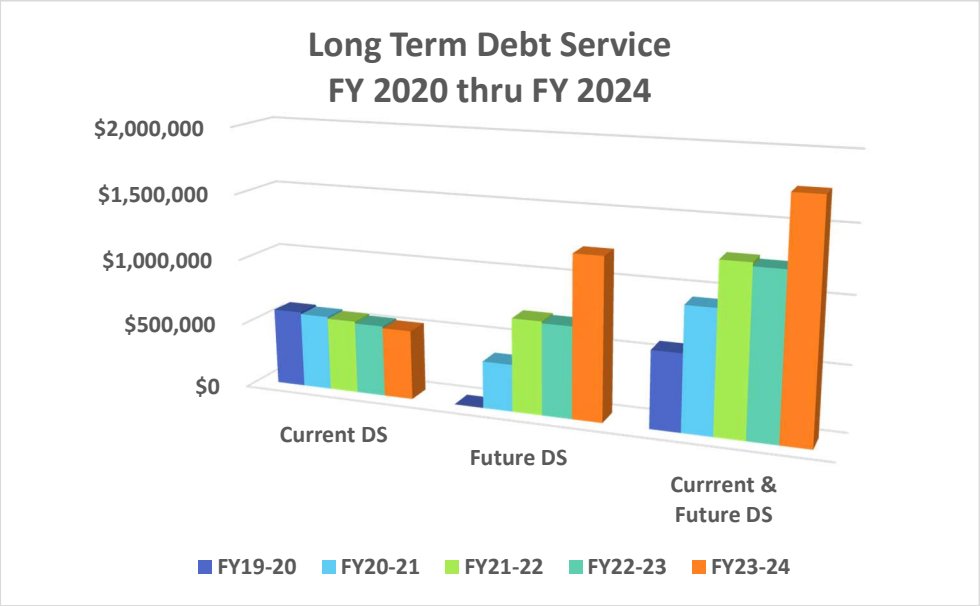
## IMPACT ON OPERATING BUDGET

As part of the CIP planning process, efforts are made to assess the potential impact of the proposed capital projects on the Town's overall financial condition and annual operating budget. Of particular concern is any debt financing and the Town's ability to meet future debt obligations.

The types of debt instruments available for the Town include: general obligation bonds, limited obligation bonds, anticipation notes, revenue bonds, and lease-installment financings, or any other financing instrument allowed under North Carolina statues. The Town evaluates each type of debt and strives to use the least costly and most appropriate form of financing for capital projects.

The Town's current debt portfolio consist of general obligation bonds for construction of sidewalks and greenways; installment financing for fire station #2, and vehicle and equipment lease purchases. The charts on the next page show the amount of debt service each year that will be required to implement the proposed CIP over the next five years.

| | FY19-20 | FY20-21 | FY21-22 | FY22-23 | FY23-24 | FY 24-25 | TOTAL FY 2020- 2025 |
|---|---|---|---|---|---|---|---|
| Current L-T Debt Service | $ 788,175 | $ 646,643 | $ 557,826 | $ 544,008 | $ 530,190 | $ 515,746 | $ 3,582,588 |
| Future L-T Debt Service | $ - | $ 360,000 | $ 709,875 | $ 696,375 | $ 1,225,775 | $ 1,212,275 | $ 4,204,300 |
| **Current & Future Debt Service** | **$ 788,175** | **$ 1,006,643** | **$ 1,267,701** | **$ 1,240,383** | **$ 1,755,965** | **$ 1,728,021** | **$ 7,786,888** |
| Future Vechile/Equipment DS | $ 117,066 | $ 343,644 | $ 444,867 | $ 517,864 | $ 672,326 | $ 587,724 | $ 2,683,491 |
| **ALL DEBT** | **$ 905,241** | **$ 1,350,287** | **$ 1,712,568** | **$ 1,758,247** | **$ 2,428,291** | **$ 2,315,745** | **$ 10,470,379** |




Future debt service includes financing the 203 Project in FY 2021 for $9.0 million dollars. The Town anticipates borrowing $9.0 million and the County contributing $6.6 million for the 203 Project to house the South Branch Library and administrative offices for the Town. As noted earlier, this is a joint endeavor between the Town and Orange County. The project is currently estimated to cost $15.6 million and the County is expected to contribute $6.6 million. The Town is considering using some cash to reduce the amount of the financing. The exact mix of cash and financing will depend upon the final design and cost for the facility.

The other driver for future debt service is the $6.2 million financing expected in FY 2024 for renovation of Town facilities (i.e., Town Hall, Century Center, and Fire Station #1, etc.).

As we plan to undertake debt financing, we need to be cognizant of the fact that the Local Government Commission (LGC) and credit rating agencies monitor debt capacity or debt burden of local municipalities. The LGC measures debt capacity against outstanding principal to assessed valuation, debt per capita, and debt as percentage of operating expenses. These outcome measures are based on population size.

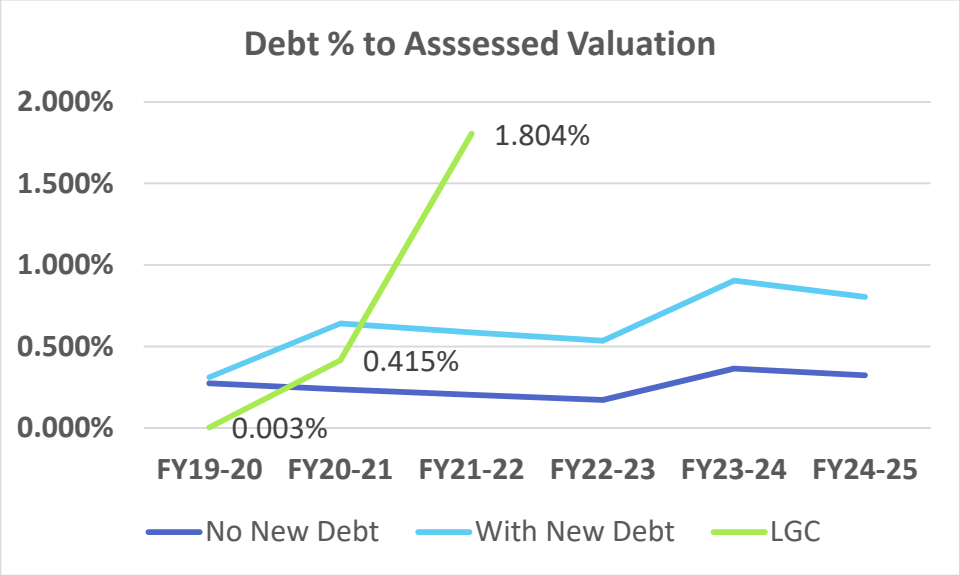
The LGC calculates the debt to assessed valuation and per capita ratio for each jurisdiction and classifies the ratio as being low, average, or high. The next page shows the LGC's outstanding principal debt to assessed valuation and per capita ratios for municipalities at June 30, 2018 with population 10,000 – 24,999. As the last column shows, Carrboro falls below the average in both categories.

| | Low | Average | High | Carrboro |
|---|---|---|---|---|
| Appraised Property Valuation (%) | 0.003% | 0.415% | 1.804% | 0.197% |
| Per Capita ($) | $ 2 | $ 438 | $ 1,306 | $ 227 |

**Debt to Assessed Valuation**

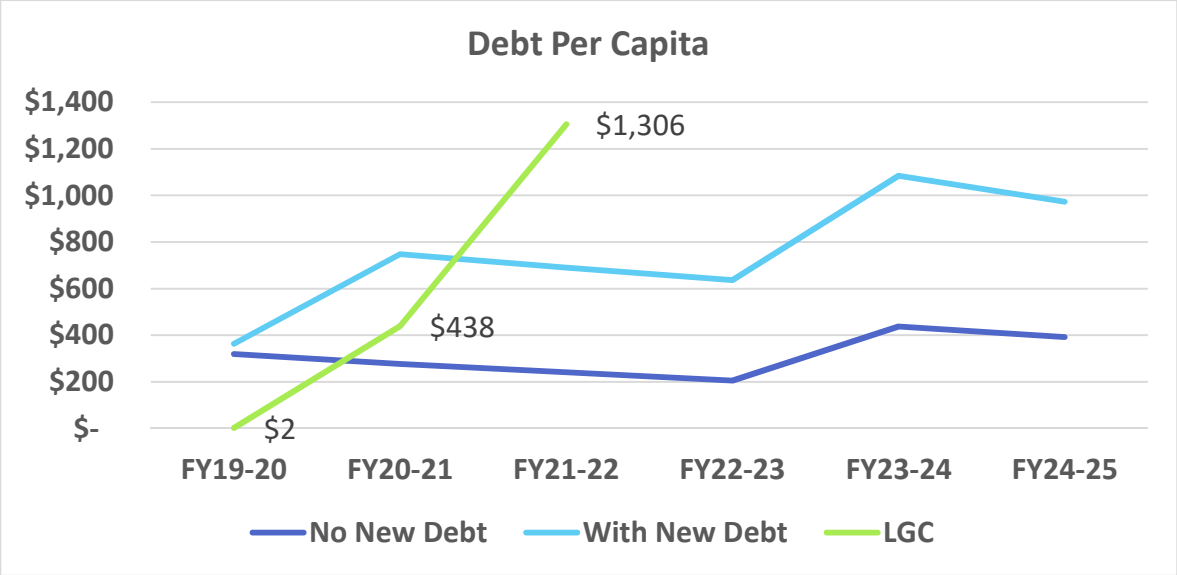
The Town's debt to assessed valuation ratio as of June 30, 2018, as calculated by the LGC, was .197% which is below the average for municipalities of similar size. Without additional debt, this ratio is projected to gradually decrease to .323% by FY 2024.

If the Town were to undertake all of the debt proposed in the CIP, outstanding principal as a percentage of assessed valuation over the next five years would increase to .905% in FY 2024 and would decline in FY 2025 to .804%, which is above the LGC average, but less than the high level, for municipalities of similar size.



## Debt Service Per Capita

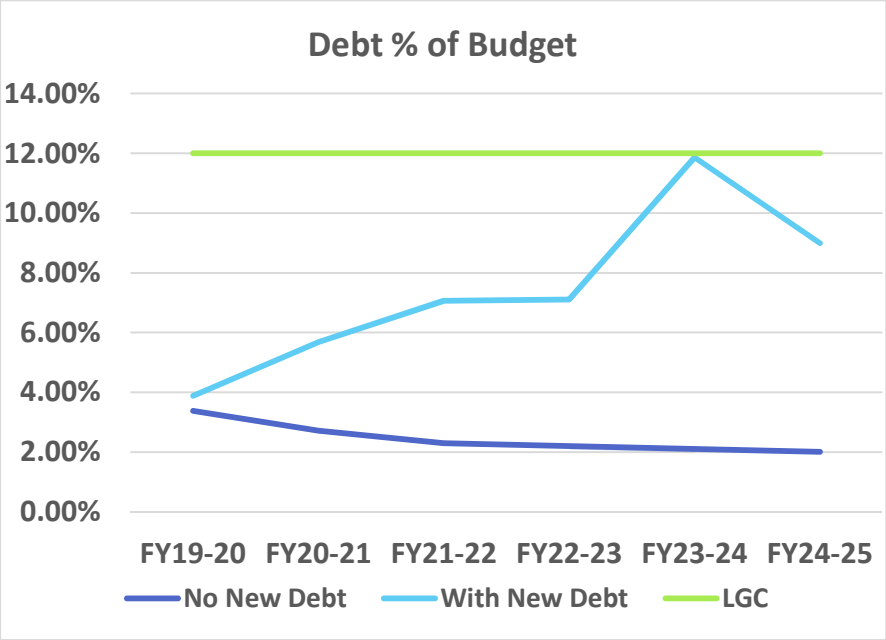
The Town's debt per capita as calculated by the LGC at June 30, 2018 was $227. This is less than the average of $438 for similar size municipalities. If all of the proposed projects needing financing were undertaken by the Town, debt service per capital would increase to $1,085 by FY 2024 and begin to decrease in FY 2025.




## Debt Service and Operating Budget

Debt service can be a major part of a local government's operating budget fixed costs for the term of the financing. The LGC has not established a measure for debt service as a percentage of operating expenses, but advises local governments to have a reasonable debt burden. The credit rating agencies, on the other hand, generally consider debt exceeding 20% of operating revenues as a potential problem and considers 10% to be an acceptable debt burden. A heavy debt burden may be evidenced by a ratio of debt service to operating expenditures exceeding 15%, or a debt per capita or debt to appraised property value exceeding that of similar units. The Town has established a goal of 12% debt to operating expenses as a moderate level of debt.

The Town's current debt service as a percentage of the operating budget is estimated to be less than 4.0%. Without additional debt, this ratio will decrease to roughly 2% by FY 2024. Again, if all of the proposed projects needing financing were undertaken by the Town, debt service as a percent of the operating budget would increase to 11.87% in FY 2024, which would almost equal the Town's established goal of 12%. In FY 2025 this ratio would begin to decrease.




To maintain the Town's established goal of 12% will require that the projects be reevaluated each year in relation to the Town's financial capacity. If needed, projects will be pushed out further in the future or implemented in stages depending upon the nature of the project. Decisions as to whether a project is to be financed will be dependent the Town's cash balances and other available funding sources.

# Appendix A

## Vehicle Replacement Policy Evaluation

**TOWN OF CARRBORO**
**VEHICLE REPLACEMENT POLICY**

**I. PURPOSE**

To establish guidelines for the replacement of Town owned vehicles in order to ensure the vehicles are replaced in the most efficient and cost effective manner.

**II. POLICY**

Replacement criteria are essential to meet departmental requirements for replacement of obsolete or inoperable vehicles necessary to maintain a safe, efficient and reliable fleet. Replacement criteria will serve as method for evaluating each vehicle against several economic and operational considerations such as original cost, estimated replacement cost, cost of repair, downtime and maintenance, and suitability for intended use.

**III. PROCEDURE**

A. All Departments utilizing Town owned vehicles are required to monitor the condition and mileage of the vehicle(s) under their control. With assistance from the Fleet Maintenance Division in Public Works, each department is required to maintain the upkeep and service on all assigned vehicles.
B. In lieu of new or used vehicle purchases, the requesting Department must contact the Purchasing Officer to review utilization of vehicles from other Departments to determine if vehicle re-assignment would meet Departmental needs.
C. During the budget process, all Departments requesting the purchase of vehicles will provide Finance with a mileage schedule of all assigned vehicles.
D. The Board of Aldermen must appropriate budget funds for vehicles to be replaced. No vehicle replacement can be made prior to an approved budget request.
E. When the replacement vehicle is placed into service, the replaced vehicle must be turned into Purchasing for surplus along with a completed property disposition form. Purchasing will coordinate with Public Works Department for storage of replaced vehicles until disposition. Purchasing will be responsible for securing declaration of surplus and the final disposal of all surplus vehicles.

**IV. REPLACEMENT CRITERIA**

Vehicles shall meet or exceed at least one of the following criteria to be eligible for replacement:

A. Vehicle to be replaced was destroyed and/or cost to repair is 75% or greater than the current NADA wholesale value; or
B. The accumulated repair costs has reached or exceeds 80% or the original purchase price; or
C. Replacement parts or components are no longer available; or
D. The vehicle age and/or mileage have rendered the vehicle in such condition that it cannot reliably, safely and/or economically serve its intended purpose or be used in a reasonable alternative capacity.

Suggested disposal criteria for miles and age of vehicles are listed below. Vehicles not specifically listed shall be evaluated against miles/age criteria for a similar type vehicle.

| Vehicle Description | Age | Maximum Mileage |
|---|---|---|
| Police Patrol/Pursuit Sedans | 8 | 125,000 |
| Police Admin/Investigations | 10 | 150,000 |
| Sedans | 10 | 150,000 |
| Vans (passenger/cargo) | 12 | 125,000 |
| Light Trucks/Utility Vehicles | 12 | 150,000 |
| Heavy Vehicles/Trucks | 12 | 200,000 |
| Fire Apparatus/Aerial | 20 | 250,000 |

## V. EVALUATION CRITERIA

Vehicles are evaluated by four criteria: age, mileage, general overall condition, and maintenance cost. Each vehicle is scored as follows to determine which units are ***eligible for replacement consideration.***

1. Year of Vehicle: One (1) point is assigned for each year of chronological age past life expectancy, based on "in-service date" of the vehicle.

2. Mileage: One (1) point is assigned for each 5,000 miles of operation over 125,000 miles.

3. General Overall Condition: This category takes into consideration the condition of the body, rust, interior condition, vehicular accident status, anticipated repairs, etc. A scale from one (1) to five (5) is used, with five (5) being extremely poor condition.

4. Maintenance Cost: Points are assigned on a scale of one (1) to five (5) based on the total cost factor. The maintenance cost figure includes all repair and maintenance costs minus any costs associated with accident repairs. A five (5) would be equal to 100% or more of the original purchase price, while a one (1) would be equal to 20% of the original purchase price.

**POINT RANGES FOR REPLACEMENT CONSIDERATION**

| Score | Condition |
|---|---|
| Less than 8 points | I. Excellent |
| 8 - 12 points | II. Good |
| 13 - 17 points | III. Qualifies for replacement |
| Above 18 points | IV. Needs immediate replacement |

**VEHICLE EVALUATION FOR REPLACEMENT**

Department: _____ Division: _____

Vehicle Make: _____ Year: _____ In Service Date: _____

Purchase Price: $_____ Mileage: _____ Maintenance Cost: $_____

General Overall Condition: _____

Reason for Replacement:

_____ Vehicle to be replaced was destroyed and/or cost to repair is 75% or greater than the current NADA wholesale value; or

_____ Accumulated repair costs has reached or exceeds 80% or the original purchase price; or

_____ Replacement parts or components are no longer available; or

_____ Vehicle age and/or mileage have rendered the vehicle in such condition that it cannot reliably, safely and/or economically serve its intended purpose or be used in a reasonable alternative capacity.

Points for Replacement Consideration:

| **Factor** | **Point(s)** |
|---|---|
| Year of Vehicle | |
| Mileage | |
| General Overall Condition | |
| Maintenance Cost | |
| **Total Points** | |

Comments: _____
_____
_____
_____
_____

Submitted by: _____ Date: _____
Department Head

Reviewed by: _____ Date: _____
Finance

Approved by: _____ Date: _____
Town Manager

Appendix B - Vehicle Replacement Schedule

***Vehicle Replacement schedule for FY20-FY24***

| 2020 Vehicle CIP Vehicle Requests | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Division** | **Vehicle** | **Pts** | **%** | **Age** | **Make** | **Model** | **Replacement Price** |
| Police | 238 | 9 | 94% | | Chevrolet | Impala | 55,469 |
| Police | 239 | 11 | 89% | | Chevrolet | Impala | 55,469 |
| Police | 240 | 10 | 91% | | Chevrolet | Impala | 55,469 |
| Police | 241 | 10 | 91% | | Chevrolet | Impala | 55,469 |
| PW | 802 | | | | Freightliner | Garbage Truck | 430,000 |
| | | | | | | **Total** | **$651,876** |

| 2021 Vehicle CIP Vehicle Requests | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Division** | **Vehicle** | **Pts** | **%** | **Age** | **Make** | **Model** | **Replacement Price** |
| Police | 242 | 7 | 30% | **X** | Chevrolet | Impala | 55,469 |
| Police | 252 | 9 | 91% | | Chevrolet | Impala | 55,469 |
| Police | 223 | 12 | 100% | | Chevrolet | Impala | 55,469 |
| IT | 012 | 9 | 62% | | Dodge | Caravan | 28,000 |
| Planning | 135 | 13 | 37% | | Chevrolet | Blazer | 37,250 |
| Planning | 134 | 9 | 97% | | Ford | F-150 | 27,185 |
| PW | 503 | 10 | 120% | | Ford | F-450 | 70,350 |
| PW | 041 | 12 | 111% | | Ford | F-350 4x4 | 44,100 |
| PW | 030 | 11 | 62% | **X** | Ford | F-250 4x2 HD | 41,273 |
| PW | 031 | 9 | 47% | **X** | Chevrolet | Dump Truck | 110,000 |
| PW | 033 | 7 | 50% | **X** | International | Dump Truck | 110,000 |
| PW | 712 | 10 | 91% | | Ford | Escape | 40,595 |
| PW | 600 | 7 | 80% | **X** | Ford | Ranger | 28,544 |
| RP | 016 | 13 | 37% | | Ford | F-150 | 28,544 |
| RP | 701 | 8 | 40% | **X** | Ford | Van | 38,755 |
| | | | | | | **Total** | **$771,003** |

| 2022 Vehicle CIP Vehicle Requests | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Division** | **Vehicle** | **Pts** | **%** | **Age** | **Make** | **Model** | **Replacement Price** |
| Police | 265 | 11 | 29% | | Chevrolet | Caprice | 56,000 |
| Police | 266 | 11 | 29% | | Chevrolet | Caprice | 56,000 |
| Police | 245 | 11 | 87% | | Chevrolet | Impala | 56,000 |
| Police | 253 | 8 | 56% | **X** | Chevrolet | Impala | 56,000 |
| Police | 254 | 3 | 20% | **X** | Chevrolet | Malibu | 56,000 |
| Police | 255 | 5 | 20% | **X** | Chevrolet | Impala | 56,000 |
| Planning | 709 | 7 | 62% | **X** | Ford | Ranger | 28,800 |
| PW | 502 | 9 | 79% | **X** | Freightliner | Dump Truck | 111,760 |
| | | | | | | **Total** | **$476,560** |

***Vehicle Replacement schedule for FY20-FY24***

| 2023 Vehicle CIP Vehicle Requests | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Division** | **Vehicle** | **Pts** | **%** | **Age** | **Make** | **Model** | **Replacement Price** |
| Police | 251 | 11 | 82% | | Chevrolet | Impala | 56,000 |
| Police | 267 | 13 | 3% | | Chevrolet | Caprice | 56,000 |
| Fire | 986 | | | | Ford | Expedition | 58,000 |
| PW | 508 | | | | Ford | F-550 Bucket Trk | 90,000 |
| Police | 258 | 12 | 71% | **X** | Chevrolet | Impala | 56,000 |
| Police | 259 | 4 | 24% | **X** | Ford | Explorer | 57,000 |
| Police | 256 | 10 | 64% | **X** | Chevrolet | Impala | 56,000 |
| Police | 257 | 10 | 64% | **X** | Chevrolet | Impala | 56,000 |
| PW | 607 | 9 | 89% | | Ford | F-250 4x2 HD | 59,121 |
| PW | 705 | 8 | 93% | | Ford | Ranger | 31,752 |
| PW | 504 | 7 | 53% | **X** | Ford | Ranger | 31,752 |
| PW | 710 | 8 | 67% | **X** | Ford | F-150 | 31,752 |
| | | | | | | **Total** | **$639,377** |

| 2024 Vehicle CIP Vehicle Requests | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Division** | **Vehicle** | **Pts** | **%** | **Age** | **Make** | **Model** | **Replacement Price** |
| Police | 268 | 13 | 3% | | Chevrolet | Caprice | 56,000 |
| Police | 269 | 13 | 3% | | Chevrolet | Caprice | 56,000 |
| Police | 246 | 11 | 76% | **X** | Chevrolet | Impala | 56,000 |
| PW | 804 | 12 | 84% | **X** | Autocar | Front Loader | 160,904 |
| | | | | | | **Total** | **$328,904** |

| | |
|---|---|
| ***Grand Total*** | **$2,867,720** |

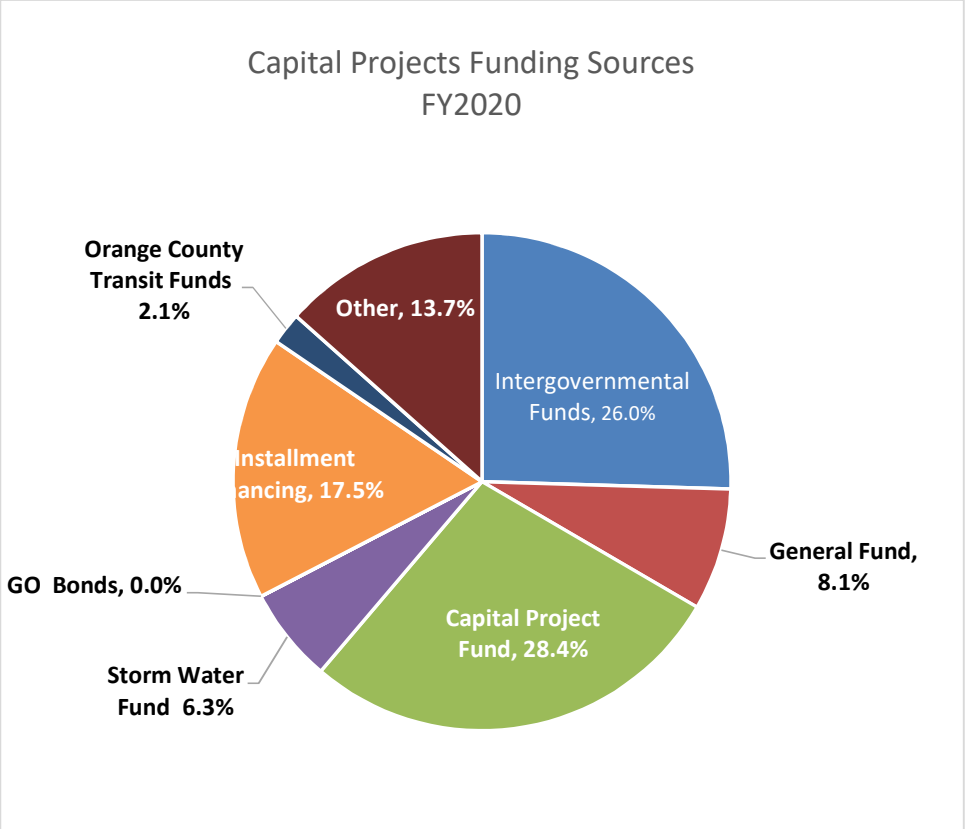
# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

***Summary of All Projects***

| | Previous Appropriations | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | 2,400,124 | 460,406 | 55,000 | 1,154,897 | 447,000 | 6,110,000 | 8,227,303 | 10,627,427 |
| Construction | 19,684,645 | 1,993,516 | 1,495,000 | 1,592,500 | 3,445,000 | 4,368,907 | 12,894,923 | 32,579,568 |
| Land/ROW | 696,480 | 125,000 | 46,000 | - | 43,196 | - | 214,196 | 910,676 |
| Equipment/Furnishings | - | 1,144,800 | 771,003 | 476,560 | 639,377 | 428,904 | 3,460,644 | 3,460,644 |
| **Total Expenditures** | $ 22,781,249 | $3,723,722 | $2,367,003 | $3,223,957 | $4,574,573 | $10,907,811 | $24,797,066 | $47,578,315 |
| | | | | | | | | |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | 8,231,100 | 969,472 | 477,000 | 1,312,718 | 164,557 | 6,635,125 | 9,558,872 | 17,789,972 |
| General Fund | 4,218,591 | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 1,500,000 | 5,718,591 |
| Capital Project Fund | 248,823 | 1,058,974 | 225,000 | 251,179 | 8,639 | 133,782 | 1,677,574 | 1,926,397 |
| Storm Water Fund | - | 235,400 | 375,000 | 381,000 | 462,000 | 510,000 | 1,963,400 | 1,963,400 |
| GO Bonds | 882,898 | - | - | - | - | - | - | 882,898 |
| Installment Financing | 9,000,000 | 651,876 | 771,003 | 576,560 | 3,539,377 | 3,328,904 | 8,867,720 | 17,867,720 |
| Other | 199,837 | 508,000 | 219,000 | 402,500 | 100,000 | - | 1,229,500 | 1,429,337 |
| **Total Funding** | $ 22,781,249 | $3,723,722 | $2,367,003 | $3,223,957 | $4,574,573 | $10,907,811 | $24,797,066 | $47,578,315 |
| | | | | | | | | |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | 1,000 | 1,000 | 2,200 | 2,200 | 2,200 | 2,200 | 9,800 | 10,800 |
| Operating | (5,000) | (39,406) | 136,438 | 194,122 | 213,649 | 219,725 | 724,528 | 719,528 |
| Capital Outlay | - | - | - | - | - | - | - | - |
| Debt Service | - | - | - | - | - | - | - | - |
| **Total Oper Bdgt Impact** | $ (4,000) | $ (38,406) | $ 138,638 | $ 196,322 | $ 215,849 | $ 221,925 | $ 734,328 | $ 730,328 |
| | | | | | | | | |
| * Includes Orange Cnty Transit Fnds of: | 199,837 | 80,000 | 119,000 | 302,500 | | | 501,500 | 701,337 |

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

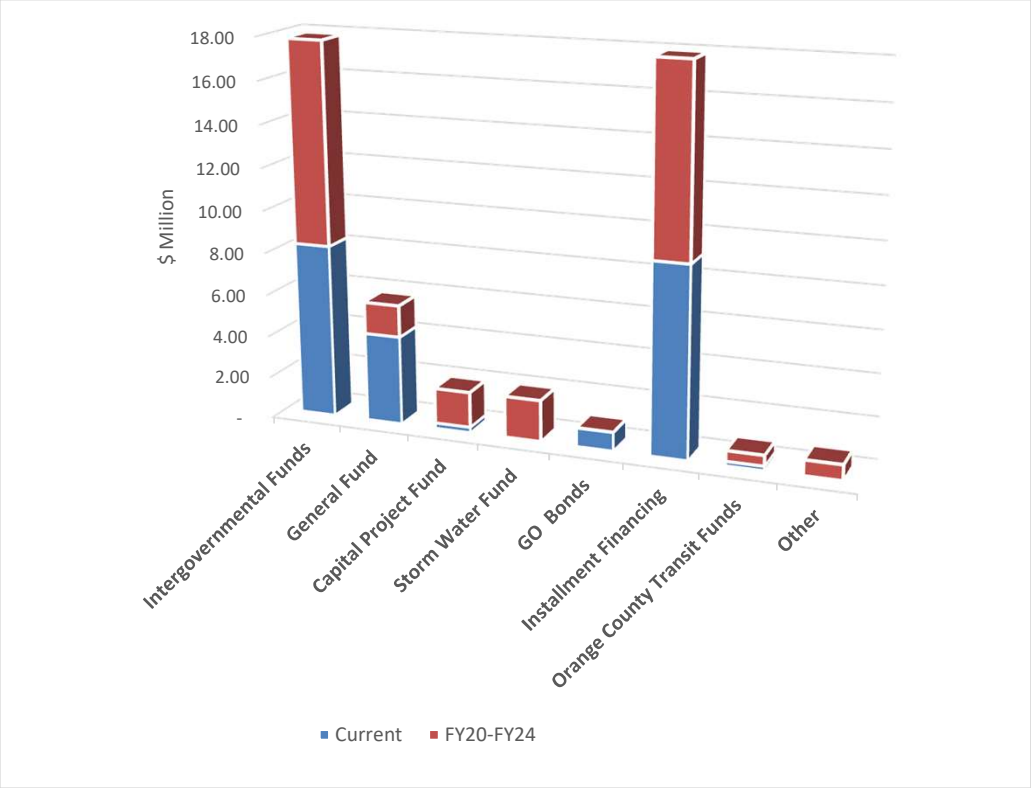
| *Funding Source* | FY 2020 | *Funding Source* | FY 2020 |
|---|---|---|---|
| *Intergovernmental Funds* | $ 969,472 | *GO Bonds* | $ - |
| *General Fund* | 300,000 | *Installment Financing* | 651,876 |
| *Capital Project Fund* | 1,058,974 | *Orange County Transit Funds* | 80,000 |
| *Storm Water Fund* | 235,400 | *Other* | 428,000 |
| | | *Grand Total of both columns* | $ 3,723,722 |



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

(Dollar amounts shown in millions)

| *Funding Source* | Current | FY2020-FY24 | Totals | *Funding Source* | Current | FY20-FY24 | Totals |
|---|---|---|---|---|---|---|---|
| *Intergovernmental Funds* | $ 8.23 | $ 9.56 | $ 17.79 | *GO Bonds* | $ 0.88 | $ - | $ 0.88 |
| *General Fund* | $ 4.22 | $ 1.50 | $ 5.72 | *Installment Financing* | $ 9.00 | $ 8.87 | $ 17.87 |
| *Capital Project Fund* | $ 0.25 | $ 1.68 | $ 1.93 | *Orange County Transit Funds* | $ 0.20 | $ 0.50 | $ 0.70 |
| *Storm Water Fund* | $ - | $ 1.96 | $ 1.96 | *Other* | $ - | $ 0.73 | $ 0.73 |
| | | | | *Grand Totals* | $ 22.78 | $ 24.80 | $ 47.58 |



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

| Proj # | Fund/Project Description | Previous Appropriations | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|---|
| ***Bond Fund*** | | | | | | | | | |
| 55002 | Morgan Creek Greenway | 1,567,500 | - | - | - | - | - | - | 1,567,500 |
| 55033 | Jones Creek Greenway | 420,000 | 430,250 | - | - | - | - | 430,250 | 850,250 |
| PW1 | South Greensboro Street Sidewalk | 105,000 | 125,000 | 550,000 | 662,500 | - | - | 1,337,500 | 1,442,500 |
| 55032 | Rogers Road Sidewalk | 1,371,658 | - | - | - | - | - | - | 1,371,658 |
| | ***Bond Fund Total*** | ***3,464,158*** | ***555,250*** | ***550,000*** | ***662,500*** | ***-*** | ***-*** | ***1,767,750*** | ***5,231,908*** |
| ***Capital Fund*** | | | | | | | | | |
| 20133 | 203 South Greensboro Street | 15,699,895 | - | - | - | - | - | - | 15,699,895 |
| Veh | Vehicle Replacements | - | 651,876 | 771,003 | 476,560 | 639,377 | 328,904 | 2,867,720 | 2,867,720 |
| Fire1 | Self-Contained Breathing Apparatus Replacements | - | 314,924 | - | - | - | - | 314,924 | 314,924 |
| 44701 | Rogers Road Conduit | 155,000 | - | - | - | - | - | - | 155,000 |
| IT1 | South Greensboro St. Conduit | - | 80,000 | - | - | - | - | 80,000 | 80,000 |
| IT2 | Building Access Control and Camera System | - | 178,000 | - | - | - | - | 178,000 | 178,000 |
| PL1 | Estes Drive Bike-Ped Improvements | - | 170,000 | 46,000 | 848,000 | - | - | 1,064,000 | 1,064,000 |
| PL2 | Jones Ferry Road Sidewalk | - | - | - | 85,000 | 30,000 | 436,000 | 551,000 | 551,000 |
| PL3 | Barnes Street Sidewalk | - | - | - | 45,897 | 13,196 | 232,907 | 292,000 | 292,000 |
| 33003 | Street Resurfacing | 801,000 | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 1,500,000 | 2,301,000 |
| 66041 | LED Streetlights | 100,000 | - | - | - | - | - | - | 100,000 |
| PW2 | Wayfinder - Town Signage | - | - | 225,000 | 225,000 | - | - | 450,000 | 450,000 |
| PW3 | Town Hall Renovations | - | 100,000 | - | - | 1,000,000 | 1,000,000 | 2,100,000 | 2,100,000 |
| PW4 | Century Center Renovation | - | - | - | 100,000 | 900,000 | 1,000,000 | 2,000,000 | 2,000,000 |
| PW5 | Fire Station 1 Renovation | - | 100,000 | - | - | 1,000,000 | 1,000,000 | 2,100,000 | 2,100,000 |
| PW6 | Public Works Relocation | - | - | - | - | 130,000 | 6,100,000 | 6,230,000 | 6,230,000 |
| PW7 | Bus Shelter Replacement | - | 288,000 | - | - | - | - | 288,000 | 288,000 |
| PW8 | Town Hall Basement Waterproofing | - | 100,000 | - | - | - | - | 100,000 | 100,000 |
| PW9 | Sidewalk Repairs | - | 115,000 | 100,000 | 100,000 | 100,000 | - | 415,000 | 415,000 |
| PW10 | Unpaved Road Upgrades | - | 230,000 | - | - | - | - | 230,000 | 230,000 |
| 66044 | MLK Jr. Park Construction Design | 2,561,196 | - | - | - | - | - | - | 2,561,196 |
| | ***Capital Fund Total*** | ***19,317,091*** | ***2,627,800*** | ***1,442,003*** | ***2,180,457*** | ***4,112,573*** | ***10,397,811*** | ***20,760,644*** | ***40,077,735*** |
| ***Storm Water Fund*** | | | | | | | | | |
| SW-1 | Public Works Stream Restoration/Culvert Replacement | - | 407,030 | - | - | - | - | 407,030 | 407,030 |
| SW-2 | Broad St. Culvert Replacement | - | 73,642 | - | - | - | - | 73,642 | 73,642 |

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

| Proj # | Fund/Project Description | Previous Appropriations | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|---|
| SW-3 | Anderson Park Storm Water Retrofits | - | 60,000 | 320,000 | - | - | - | 380,000 | 380,000 |
| SW-4 | Storm Water Retrofits on Town Land Adjacent to Public Works | - | - | 55,000 | 305,000 | - | - | 360,000 | 360,000 |
| SW-5 | Storm Water Retrofits at OWASA | - | - | - | 76,000 | 360,000 | - | 436,000 | 436,000 |
| SW-6 | McDougle School Storm Water Retrofits | - | - | - | - | 102,000 | 400,000 | 502,000 | 502,000 |
| SW-7 | Carrboro Elementary/Shetley Bikeway Storm Water Retrofits | - | - | - | - | - | 110,000 | 110,000 | 110,000 |
| | ***Storm Water Fund Total*** | ***-*** | ***540,672*** | ***375,000*** | ***381,000*** | ***462,000*** | ***510,000*** | ***2,268,672*** | ***2,268,672*** |
| | ***Total Projects*** | ***22,781,249*** | ***3,723,722*** | ***2,367,003*** | ***3,223,957*** | ***4,574,573*** | ***10,907,811*** | ***24,797,066*** | ***47,578,315*** |

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

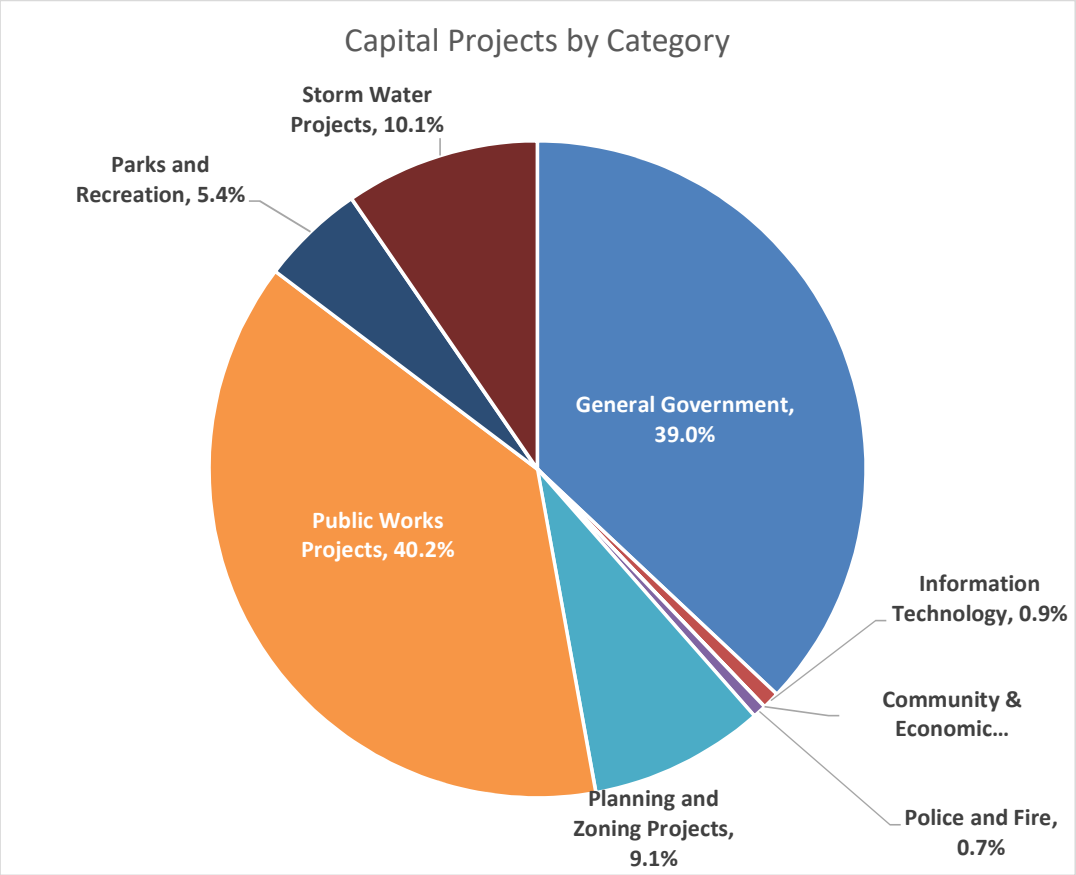
| Proj # | Category/Project Description | Previous Appropriations | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|---|
| ***Proposed Projects*** | | | | | | | | | |
| Veh | Vehicle Replacements | - | 651,876 | 771,003 | 476,560 | 639,377 | 328,904 | 2,867,720 | 2,867,720 |
| IT1 | South Greensboro St. Conduit | - | 80,000 | - | - | - | - | 80,000 | 80,000 |
| IT2 | Building Access Control and Camera System | - | 178,000 | - | - | - | - | 178,000 | 178,000 |
| Fire1 | Self-Contained Breathing Apparatus Replacements | - | 314,924 | - | - | - | - | 314,924 | 314,924 |
| PL1 | Estes Drive Bike-Ped Improvements | - | 170,000 | 46,000 | 848,000 | - | - | 1,064,000 | 1,064,000 |
| PL2 | Jones Ferry Road Sidewalk | - | - | - | 85,000 | 30,000 | 436,000 | 551,000 | 551,000 |
| PL3 | Barnes Street Sidewalk | - | - | - | 45,897 | 13,196 | 232,907 | 292,000 | 292,000 |
| PW2 | Wayfinder - Town Signage | - | - | 225,000 | 225,000 | - | - | 450,000 | 450,000 |
| PW3 | Town Hall Renovations | - | 100,000 | - | - | 1,000,000 | 1,000,000 | 2,100,000 | 2,100,000 |
| PW4 | Century Center Renovation | - | - | - | 100,000 | 900,000 | 1,000,000 | 2,000,000 | 2,000,000 |
| PW5 | Fire Station 1 Renovation | - | 100,000 | - | - | 1,000,000 | 1,000,000 | 2,100,000 | 2,100,000 |
| PW6 | Public Works Relocation | - | - | - | - | 130,000 | 6,100,000 | 6,230,000 | 6,230,000 |
| PW7 | Bus Shelter Replacement | - | 288,000 | - | - | - | - | 288,000 | 288,000 |
| PW8 | Town Hall Basement Waterproofing | - | 100,000 | - | - | - | - | 100,000 | 100,000 |
| PW9 | Sidewalk Repairs | - | 115,000 | 100,000 | 100,000 | 100,000 | - | 415,000 | 415,000 |
| PW10 | Unpaved Road Upgrades | - | 230,000 | - | - | - | - | 230,000 | 230,000 |
| SW-1 | Public Works Stream Restoration/Culvert Replacement | - | 407,030 | - | - | - | - | 407,030 | 407,030 |
| SW-2 | Broad St. Culvert Replacement | - | 73,642 | - | - | - | - | 73,642 | 73,642 |
| SW-3 | Anderson Park Storm Water Retrofits | - | 60,000 | 320,000 | - | - | - | 380,000 | 380,000 |
| SW-4 | Storm Water Retrofits on Town Land Adjacent to Public Works | - | - | 55,000 | 305,000 | - | - | 360,000 | 360,000 |
| SW-5 | Storm Water Retrofits at OWASA | - | - | - | 76,000 | 360,000 | - | 436,000 | 436,000 |
| SW-6 | McDougle School Storm Water Retrofits | - | - | - | - | 102,000 | 400,000 | 502,000 | 502,000 |
| SW-7 | Carrboro Elementary/Shetley Bikeway Storm Water Retrofits | - | - | - | - | - | 110,000 | 110,000 | 110,000 |
| | ***Sub-total*** | ***-*** | ***2,868,472*** | ***1,517,003*** | ***2,261,457*** | ***4,274,573*** | ***10,607,811*** | ***21,529,316*** | ***21,529,316*** |
| ***Existing Project - Additional Funding Programmed*** | | | | | | | | | |
| 55033 | Jones Creek Greenway | 420,000 | 430,250 | - | - | - | - | 430,250 | 850,250 |
| 33003 | Street Resurfacing | 801,000 | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 1,500,000 | 2,301,000 |
| PW1 | South Greensboro Street Sidewalk | 105,000 | 125,000 | 550,000 | 662,500 | - | - | 1,337,500 | 1,442,500 |
| | ***Sub-total*** | ***1,326,000*** | ***855,250*** | ***850,000*** | ***962,500*** | ***300,000*** | ***300,000*** | ***3,267,750*** | ***4,593,750*** |
| ***Existing Project - No Additional Funding Programmed*** | | | | | | | | | |
| 20133 | 203 South Greensboro Street | 15,699,895 | - | - | - | - | - | - | 15,699,895 |

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

| Proj # | Category/Project Description | Previous Appropriations | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|---|
| 44701 | Rogers Road Conduit | 155,000 | - | - | - | - | - | - | 155,000 |
| 55002 | Morgan Creek Greenway | 1,567,500 | - | - | - | - | - | - | 1,567,500 |
| 55032 | Rogers Road Sidewalk | 1,371,658 | - | - | - | - | - | - | 1,371,658 |
| 66041 | LED Streetlights | 100,000 | - | - | - | - | - | - | 100,000 |
| 66044 | MLK Jr. Park Construction Design | 2,561,196 | - | - | - | - | - | - | 2,561,196 |
| | ***Sub-total*** | ***21,455,249*** | ***-*** | ***-*** | ***-*** | ***-*** | ***-*** | ***-*** | ***21,455,249*** |
| | ***Total Projects*** | ***22,781,249*** | ***3,723,722*** | ***2,367,003*** | ***3,223,957*** | ***4,574,573*** | ***10,907,811*** | ***24,797,066*** | ***47,578,315*** |

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

| *Category* | FY 2020 | *Category* | FY 2020 |
|---|---|---|---|
| *General Government* | 18,567,615 | *Planning and Zoning Projects* | 4,324,750 |
| *Information Technology* | 413,000 | *Public Works Projects* | 19,128,158 |
| *Community & Economic Development* | - | *Parks and Recreation* | 2,561,196 |
| *Police and Fire* | 314,924 | *Storm Water Projects* | 2,268,672 |
| | | *Grand Total of both columns* | 47,578,315 |



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

| Proj # | Category/Project Description | Previous Appropriations | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|---|
| ***General Government*** | | | | | | | | | |
| 20133 | 203 South Greensboro Street | 15,699,895 | - | - | - | - | - | - | 15,699,895 |
| Veh | Vehicle Replacements | - | 651,876 | 771,003 | 476,560 | 639,377 | 328,904 | 2,867,720 | 2,867,720 |
| | ***Total General Government Projects*** | ***15,699,895*** | ***651,876*** | ***771,003*** | ***476,560*** | ***639,377*** | ***328,904*** | ***2,867,720*** | ***18,567,615*** |
| ***Information Technology*** | | | | | | | | | |
| 44701 | Rogers Road Conduit | 155,000 | - | - | - | - | - | - | 155,000 |
| IT1 | South Greensboro St. Conduit | - | 80,000 | - | - | - | - | 80,000 | 80,000 |
| IT2 | Building Access Control and Camera System | - | 178,000 | - | - | - | - | 178,000 | 178,000 |
| | ***Total Information Technology Projects*** | ***155,000*** | ***258,000*** | ***-*** | ***-*** | ***-*** | ***-*** | ***258,000*** | ***413,000*** |
| ***Community & Economic Development*** | | | | | | | | | |
| | | | | | | | | - | - |
| | ***Total Comm & Econ Dev Projects*** | ***-*** | ***-*** | ***-*** | ***-*** | ***-*** | ***-*** | ***-*** | ***-*** |
| ***Police and Fire*** | | | | | | | | | |
| Fire1 | Self-Contained Breathing Apparatus Replacements | - | 314,924 | - | - | - | - | 314,924 | 314,924 |
| | ***Total Police and Fire Projects*** | ***-*** | ***314,924*** | ***-*** | ***-*** | ***-*** | ***-*** | ***314,924*** | ***314,924*** |
| ***Planning and Zoning Projects*** | | | | | | | | | |
| 55002 | Morgan Creek Greenway | 1,567,500 | - | - | - | - | - | - | 1,567,500 |
| 55033 | Jones Creek Greenway | 420,000 | 430,250 | - | - | - | - | 430,250 | 850,250 |
| PL1 | Estes Drive Bike-Ped Improvements | - | 170,000 | 46,000 | 848,000 | - | - | 1,064,000 | 1,064,000 |
| PL2 | Jones Ferry Road Sidewalk | - | - | - | 85,000 | 30,000 | 436,000 | 551,000 | 551,000 |
| PL3 | Barnes Street Sidewalk | - | - | - | 45,897 | 13,196 | 232,907 | 292,000 | 292,000 |
| | ***Total Planning and Zoning Projects*** | ***1,987,500*** | ***600,250*** | ***46,000*** | ***978,897*** | ***43,196*** | ***668,907*** | ***2,337,250*** | ***4,324,750*** |
| ***Public Works Projects*** | | | | | | | | | |
| 33003 | Street Resurfacing | 801,000 | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 1,500,000 | 2,301,000 |
| 55032 | Rogers Road Sidewalk | 1,371,658 | - | - | - | - | - | - | 1,371,658 |
| 66041 | LED Streetlights | 100,000 | - | - | - | - | - | - | 100,000 |

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

| Proj # | Category/Project Description | Previous Appropriations | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|---|
| PW1 | South Greensboro Street Sidewalk | 105,000 | 125,000 | 550,000 | 662,500 | - | - | 1,337,500 | 1,442,500 |
| PW2 | Wayfinder - Town Signage | - | - | 225,000 | 225,000 | - | - | 450,000 | 450,000 |
| PW3 | Town Hall Renovations | - | 100,000 | - | - | 1,000,000 | 1,000,000 | 2,100,000 | 2,100,000 |
| PW4 | Century Center Renovation | - | - | - | 100,000 | 900,000 | 1,000,000 | 2,000,000 | 2,000,000 |
| PW5 | Fire Station 1 Renovation | - | 100,000 | - | - | 1,000,000 | 1,000,000 | 2,100,000 | 2,100,000 |
| PW6 | Public Works Relocation | - | - | - | - | 130,000 | 6,100,000 | 6,230,000 | 6,230,000 |
| PW7 | Bus Shelter Replacement | - | 288,000 | - | - | - | - | 288,000 | 288,000 |
| PW8 | Town Hall Basement Waterproofing | - | 100,000 | - | - | - | - | 100,000 | 100,000 |
| PW9 | Sidewalk Repairs | - | 115,000 | 100,000 | 100,000 | 100,000 | - | 415,000 | 415,000 |
| PW10 | Unpaved Road Upgrades | - | 230,000 | - | - | - | - | 230,000 | 230,000 |
| | ***Total Public Works Projects*** | ***2,377,658*** | ***1,358,000*** | ***1,175,000*** | ***1,387,500*** | ***3,430,000*** | ***9,400,000*** | ***16,750,500*** | ***19,128,158*** |
| ***Recreation and Parks*** | | | | | | | | | |
| 66044 | MLK Jr. Park Construction Design | 2,561,196 | - | - | - | - | - | - | 2,561,196 |
| | ***Total Parks and Recreation Projects*** | ***2,561,196*** | ***-*** | ***-*** | ***-*** | ***-*** | ***-*** | ***-*** | ***2,561,196*** |
| ***Storm Water Projects*** | | | | | | | | | |
| SW-1 | Public Works Stream Restoration/Culvert Replacem | - | 407,030 | - | - | - | - | 407,030 | 407,030 |
| SW-2 | Broad St. Culvert Replacement | - | 73,642 | - | - | - | - | 73,642 | 73,642 |
| SW-3 | Anderson Park Storm Water Retrofits | - | 60,000 | 320,000 | - | - | - | 380,000 | 380,000 |
| SW-4 | Storm Water Retrofits on Town Land Adjacent to Pu | - | - | 55,000 | 305,000 | - | - | 360,000 | 360,000 |
| SW-5 | Storm Water Retrofits at OWASA | - | - | - | 76,000 | 360,000 | - | 436,000 | 436,000 |
| SW-6 | McDougle School Storm Water Retrofits | - | - | - | - | 102,000 | 400,000 | 502,000 | 502,000 |
| SW-7 | Carrboro Elementary/Shetley Bikeway Storm Water | - | - | - | - | - | 110,000 | 110,000 | 110,000 |
| | ***Total Storm Water Projects*** | ***-*** | ***540,672*** | ***375,000*** | ***381,000*** | ***462,000*** | ***510,000*** | ***2,268,672*** | ***2,268,672*** |
| | ***Total Projects*** | ***22,781,249*** | ***3,723,722*** | ***2,367,003*** | ***3,223,957*** | ***4,574,573*** | ***10,907,811*** | ***24,797,066*** | ***47,578,315*** |

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **203 South Greensboro Street**
Location: **203 South Greensboro Street**
Project Status: **Existing Project - No Additional Funding Programmed**

| Proj Start Date: | 6/1/2018 | Finish Date: | 9/30/2020 |
|---|---|---|---|

Project # **20133**
Category: **General Government**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | 1,500,000 | | | | | | - | 1,500,000 |
| Construction | 13,598,500 | | | | | | - | 13,598,500 |
| Land/ROW | 601,395 | | | | | | - | 601,395 |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ 15,699,895 | $ - | $ - | $ - | $ - | $ - | $ - | $ 15,699,895 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | 6,098,500 | | | | | | - | 6,098,500 |
| General Fund | 601,395 | | | | | | - | 601,395 |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | 9,000,000 | | | | | | - | 9,000,000 |
| Other | | | | | | | - | - |
| **Total Funding** | $ 15,699,895 | $ - | $ - | $ - | $ - | $ - | $ - | $ 15,699,895 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | 150,000 | 200,000 | 200,000 | 200,000 | 750,000 | 750,000 |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ 150,000 | $ 200,000 | $ 200,000 | $ 200,000 | $ 750,000 | $ 750,000 |

**Description and Benefits**
This project will be the future home of the of the Orange County Southern Branch Library, the Town's Recreation and Parks Department, the newly relocated ArtsCenter, WCOM and much more. The Project will host traditional services as well as new collaborative programming that interconnect learning with arts and leisure. For more information see this website: http://townofcarrboro.org/1127/203-S-Greensboro-Project

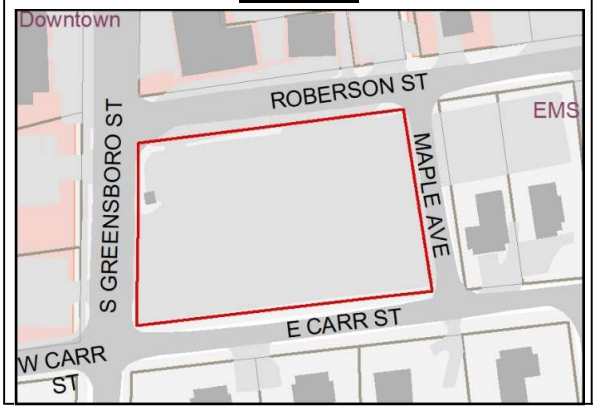
**Energy Sustainable Measures**
LEED Gold equivalency related to building design, systems, and operation is being explored.

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
Not yet estimated.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- **X** Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- **X** Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Vehicle Replacements**
Location: **Town of Carrboro**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2019 | Finish Date: | 6/30/2020 |
|---|---|---|---|

Project # **Veh**
Category: **General Government**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | | | | | | | - | - |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | 651,876 | 771,003 | 476,560 | 639,377 | 328,904 | 2,867,720 | 2,867,720 |
| **Total Expenditures** | $ - | $ 651,876 | $ 771,003 | $ 476,560 | $ 639,377 | $ 328,904 | $ 2,867,720 | $ 2,867,720 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | 651,876 | 771,003 | 476,560 | 639,377 | 328,904 | 2,867,720 | 2,867,720 |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ 651,876 | $ 771,003 | $ 476,560 | $ 639,377 | $ 328,904 | $ 2,867,720 | $ 2,867,720 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | (15,906) | (18,812) | (11,628) | (15,601) | (8,025) | (69,972) | (69,972) |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ (15,906) | $ (18,812) | $ (11,628) | $ (15,601) | $ (8,025) | $ (69,972) | $ (69,972) |

**Description and Benefits**
Vehicle replacements for FY20 include four police cars ($221,876) and one garbage truck for the Solid Waste division ($430,000).

**Energy Sustainable Measures**
Newer vehicles have greater fuel efficiency and reduced emissions than older vehicles.

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
Operating budget will be reduced as a result of less parts and maintenance costs on the older vehicles.

**Project Map**

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

X Maintaining the existing infrastructure in order to protect the Town's investments
Expanding the Town's tax base in a way that will benefit both current and future citizens
Complying with State and Federal mandates
X Incorporating energy and climate protection strategies
X Providing Town services in the most efficient, safe and quality manner
Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

Project Title: **Rogers Road Conduit**
Location: **West side of Rogers Road following sidewalk**
Project Status: **Existing Project - No Additional Funding Programmed**

| Proj Start Date: | 10/1/2014 | Finish Date: | 10/1/2019 |
|---|---|---|---|

Project # **44701**
Category: **Information Technology**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | 155,000 | | | | | | - | 155,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ 155,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ 155,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | 155,000 | | | | | | - | 155,000 |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ 155,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ 155,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**
Installation of conduit for fiber optic infrastructure by horizontal directional boring. Will be done in conjunction with Rogers Road NCDOT sidewalk improvements. Installation will occur immediately after NCDOT sidewalk project has been completed. Estimated conduit construction start date of summer 2019.

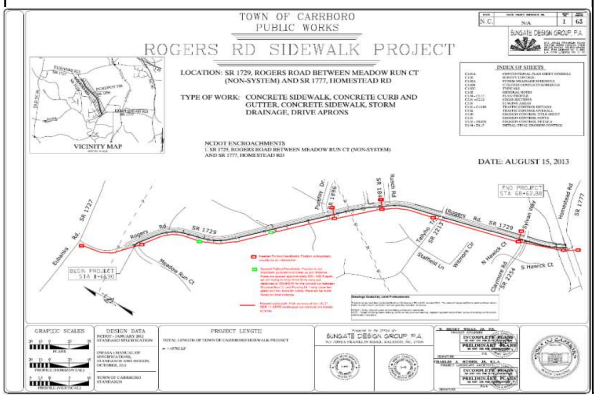
**Energy Sustainable Measures**
N/A

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
None. Infrastructure must be located/marked when notified by 811. No personnel or operating impact – can be handled by current personnel within current workload.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

X Maintaining the existing infrastructure in order to protect the Town's investments
Expanding the Town's tax base in a way that will benefit both current and future citizens
Complying with State and Federal mandates
Incorporating energy and climate protection strategies
X Providing Town services in the most efficient, safe and quality manner
Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **South Greensboro St. Conduit**
Location: **Along South Greensboro St. following planned sidewalk**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2019 | Finish Date: | 10/1/2019 |
|---|---|---|---|

Project # **IT1**
Category: **Information Technology**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | | 80,000 | | | | | 80,000 | 80,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ 80,000 | $ - | $ - | $ - | $ - | $ 80,000 | $ 80,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | 80,000 | | | | | 80,000 | 80,000 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ 80,000 | $ - | $ - | $ - | $ - | $ 80,000 | $ 80,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**
Installation of conduit for fiber optic infrastructure by horizontal directional boring. Will be done in conjunction with South Greensboro St. NCDOT sidewalk improvements project. The proposed conduit installation will link Town owned conduit located on Smith Level Rd to the Century Center and connect the planned Carrboro-Orange County Library to the Town of Carrboro conduit infrastructure system. South Greensboro St. NCDOT sidewalk improvements project is going into design phase during 2019 with the estimated construction start planned for 2020.

**Energy Sustainable Measures**
N/A

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
None. Infrastructure must be located/marked when notified by 811. No personnel or operating impact – can be handled by current personnel within current workload.

**Project Map**

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- **X** Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Building Access Control and Camera System**
Location: **Town of Carrboro Facilities**
Project Status: **Existing Project - Additional Funding Programmed**

| Proj Start Date: | 2/1/2019 | Finish Date: | 6/30/2020 |
|---|---|---|---|

Project # **IT2**
Category: **Information Technology**
Fund: **66 - Capital Projects Fund**

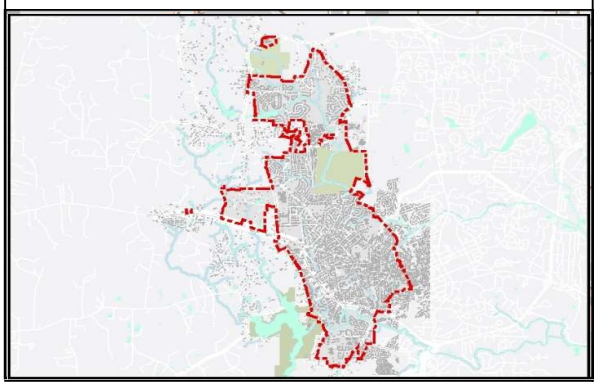
| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | | | | | | | - | - |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | 178,000 | | | | | 178,000 | 178,000 |
| **Total Expenditures** | $ - | $ 178,000 | $ - | $ - | $ - | $ - | $ 178,000 | $ 178,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | 178,000 | | | | | 178,000 | 178,000 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ 178,000 | $ - | $ - | $ - | $ - | $ 178,000 | $ 178,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | 1,000 | 6,500 | 6,500 | 6,500 | 6,500 | 27,000 | 27,000 |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ 1,000 | $ 6,500 | $ 6,500 | $ 6,500 | $ 6,500 | $ 27,000 | $ 27,000 |

**Description and Benefits**
Purchase and implement building access control and camera system for all Town facilities. This would include five buildings – Town Hall, Century Center, Fire Station 1, Fire Station 2 and Public Works. Town Hall, Fire Stations 1 and 2 are considered to have an immediate need. A portion of the Century Center containing the Police Department currently has a building access control and camera system. The existing access control system would be made compatible with the proposed system (making use of much of the existing door locking hardware). The current camera system at the Century Center is a new installation (and is capable of considerable capacity growth) and will be expanded to handle the additional buildings. A single access control and camera system would serve all Town buildings through existing Town owned high speed fiber optic connections.

**Energy Sustainable Measures**
N/A

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
Annual operating costs increase by $6,500 for vendor hardware and software support. Current IT personnel and job responsibilities will cover internal support of BWC's.

**Project Map**



**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- **X** Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Self-Contained Breathing Apparatus Replacements**
Location: **Fire-Rescue Department**
Project Status: **Proposed**
Proj Start Date: **7/1/2019** Finish Date: **6/30/2020**

Project # **Fire1**
Category: **Fire**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | | | | | | | - | - |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | 314,924 | | | | | 314,924 | 314,924 |
| **Total Expenditures** | $ - | $ 314,924 | $ - | $ - | $ - | $ - | $ 314,924 | $ 314,924 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | 314,924 | | | | | 314,924 | 314,924 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ 314,924 | $ - | $ - | $ - | $ - | $ 314,924 | $ 314,924 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**
The current Self-Contained Breathing Apparatus (SCBA) inventory is aging and most have reached the 10 year life expectancy. Newer SCBA equipment has features to enhance safety for firefighters. Purchasing replacement SCBA equipment will continue to allow the Fire-Rescue Department to provide the expected service to citizens. The new SCBA will meet the NFPA 2018 industry standard. Project cannot be replaced in partial quantities due to changes in technology. Buddy breathing between old SCBA system and new would not work. Additionally, mixed technology requires greater overhead costs as duplicate parts will be required to maintain SCBA.

**Energy Sustainable Measures**
None.

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
Operating budget will remain the same or be reduced for maintenance costs due to warranty. There will be an impact as current SCBA bottles age out or fail they will need to be replaced. Having mixed technologies results in greater overhead costs as duplicate parts will be required.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- X Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- Incorporating energy and climate protection strategies
- X Providing Town services in the most efficient, safe and quality manner
- X Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Morgan Creek Greenway** | Project # **55002**
Location: **Abby Lane to Smith Level Rd along N & S sides of Morgan Creek** | Category: **Planning & Zoning**
Project Status: **Existing Project - No Additional Funding Programmed** | Fund: **62 - Bond Fund**

Proj Start Date: **4/1/2018** Finish Date: **3/31/2021**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | 379,231 | | | | | | - | 379,231 |
| Construction | 1,188,269 | | | | | | - | 1,188,269 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ 1,567,500 | $ - | $ - | $ - | $ - | $ - | $ - | $ 1,567,500 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | 1,254,000 | | | | | | - | 1,254,000 |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | 113,663 | | | | | | - | 113,663 |
| Installment Financing | | | | | | | - | - |
| Other | 199,837 | | | | | | - | 199,837 |
| **Total Funding** | $ 1,567,500 | $ - | $ - | $ - | $ - | $ - | $ - | $ 1,567,500 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | 1,500 | 1,500 | 1,500 | | 4,500 | 6,000 |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ 1,500 | $ 1,500 | $ 1,500 | $ - | $ 4,500 | $ 6,000 |

**Description and Benefits**

The Morgan Creek Greenway system consists of approximately 9,000 feet (1.7-miles) of greenway to extend along Morgan Creek from Smith Level Road to University Lake, linking residential areas, recreational destinations, and schools. The project was originally programmed (funded) to include phases 1 and 2. In late 2018, the project scope was modified to include only Phase 1 (phase 1 and phase 1 alternate). The municipal agreement and CIP ordinance have been revised accordingly. ($1,771,346 total project total no longer applicable; updated CIP ordinance adopted 12/4/2018.) Project anticipated to be advertised for bid in spring of 2019 with construction complete in 12-18 months. The completed greenway will consist of a 10-foot wide multi-use path. (TIP# EL-4828A)

**Energy Sustainable Measures**

The Morgan Creek (MC) greenway system will provide an off-road bike-ped network connecting multiple residential neighborhoods to University Lake, Carrboro High School, Frank Porter Graham Elem School and the future sidewalk leading to downtown Carrboro. Ph I of the greenway will also link to the MC greenway system in Chapel Hill leading to additional destinations, which may encourage alternative modes of travel and reduce vehicular trips and associated emissions.

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

Grant funding provided through the DCHC MPO includes federal STP-DA and TAP-DA funds and require a 20% local match. Funds identified for the match include Orange County Transit funds (other) and Bond proceeds. Some costs relating to ongoing maintenance anticipated.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- **X** Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- **X** Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Jones Creek Greenway** | Project # **55033**
Location: **Connecting link fr Lake Hogan Farms to Morris Grove Elem School** | Category: **Planning & Zoning**
Project Status: **Existing Project - Additional Funding Programmed** | Fund: **62 - Bond Fund**

Proj Start Date: **4/1/2018** Finish Date: **2/29/2020**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | 50,000 | 134,000 | | | | | 134,000 | 184,000 |
| Construction | 370,000 | 296,250 | | | | | 296,250 | 666,250 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ 420,000 | $ 430,250 | $ - | $ - | $ - | $ - | $ 430,250 | $ 850,250 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | 336,000 | 344,200 | | | | | 344,200 | 680,200 |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | 86,050 | | | | | 86,050 | 86,050 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | 84,000 | | | | | | - | 84,000 |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ 420,000 | $ 430,250 | $ - | $ - | $ - | $ - | $ 430,250 | $ 850,250 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | 1,200 | 1,200 | 1,200 | 1,200 | 4,800 | 4,800 |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ 1,200 | $ 1,200 | $ 1,200 | $ 1,200 | $ 4,800 | $ 4,800 |

**Description and Benefits**

The project will include the construction of a 100-foot bridge and a paved 10-ft. or wider shared use path for bicyclists and pedestrians that adds another segment to the Town's greenway network north of Homestead Rd. along Jones Creek, connecting with the Twin Creeks Greenway. The project will provide walking and cycling options for the Lake Hogan Farms, Legends, Ballentine, and Fox Meadow neighborhoods to destinations such as Morris Grove Elementary and the future Twin Creeks Park. (TIP# C-5181) Note: The original budget earmarked $100,000 for design services, the actual cost, approved by NCDOT is for $184,000. This budget change was approved with an updated CIP ordinance (Granicus 17-675). The DCHC MPO has prepared a TIP amendment to allocate $344,200 additional CMAQ funds from the upcoming CMAQ cycle to make the project whole based on the engineer's initial cost estimate. This would bring the total project cost to $850,250: $680,200 federal funding and $170,050 local match.

**Energy Sustainable Measures**

Once completed the project will offer an off-route alternative to vehicular travel, particularly to the elementary school, which generates daily trips at peak times. The project will also provide access to the future Twin Creek Park, an active athletic facility. The use of CMAQ funding requires an analysis of emissions reduction.

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

Through the DCHC MPO prioritization project funding process, the Town has secured federal-aid transportation financing for design and construction of one of two segments of the Jones Creek Greenway with CMAQ funding. Some costs relating to ongoing maintenance anticipated.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- **X** Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- **X** Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**

Project Title: **Estes Drive Bike-Ped Improvements**
Location: **Estes Drive from North Greensboro St to Chapel Hill line**
Project Status: **Proposed**

| Proj Start Date: | FY 2020 | Finish Date: | FY 2022 |
|---|---|---|---|

Project # **PL1**
Category: **Planning & Zoning**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | 170,000 | | 848,000 | | | 1,018,000 | 1,018,000 |
| Construction | | | | | | | - | - |
| Land/ROW | | | 46,000 | | | | 46,000 | 46,000 |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ 170,000 | $ 46,000 | $ 848,000 | $ - | $ - | $ 1,064,000 | $ 1,064,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | 136,000 | 37,000 | 678,000 | | | 851,000 | 851,000 |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | 34,000 | 9,000 | 170,000 | | | 213,000 | 213,000 |
| **Total Funding** | $ - | $ 170,000 | $ 46,000 | $ 848,000 | $ - | $ - | $ 1,064,000 | $ 1,064,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | 1,500 | 1,500 | 3,000 | 3,000 |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ 1,500 | $ 1,500 | $ 3,000 | $ 3,000 |

**Description and Benefits**

This is a collaborative project with the Town of Chapel Hill to design and install bike-ped, and transit, improvements along the Estes Drive corridor from North Greensboro Street to Martin Luther King Boulevard. Approximately 0.86 miles of the corridor are in the Town of Carrboro. Costs provided are for the Carrboro portion, only. This project has been programmed for funding in the 2018-2027 STIP as EB-5886A. Bike-ped improvements to Estes Drive is included in the Carrboro Safe Routes to School Plan. More than 1,279 residents live within 1/2 mile (the walking service area) of the corridor, including lower income residents in apartments. Carrboro Elementary School is within the 1/2 mile walk area. This is a much needed facility that would establish a bike-ped network along the entire corridor which crosses the boundary between Carrboro and Chapel Hill and connects to downtown Carrboro, Carrboro Elementary, Wilson Park, etc.

**Energy Sustainable Measures**

Some apartments along this corridor serve students and low-to medium income families. It is heavily used by all modes, although current safety concerns limit the potential for additional bike-ped users. Its completion provides an alternative mode of transportation for many residents and may reduce the need for vehicular travel for some trips, and therefore contribute to the reduction of greenhouse gas emissions.

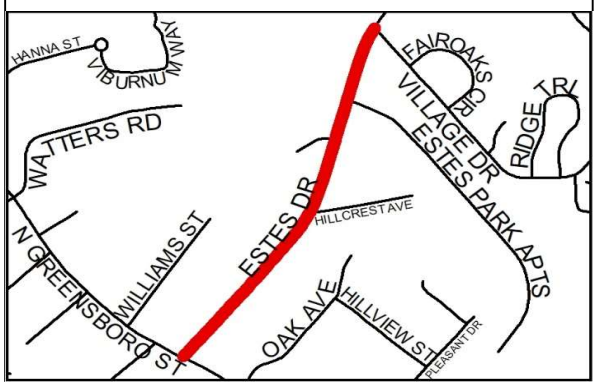
**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

This project has been programmed for funding through the DCHC MPO, in the FY2018-2027 TIP as #EB-5886. Identified funding is federal TAP funds. A 20% local match is required and is available from Orange County Transit funds (noted as Other appropriations). Maintenance costs estimated for bike lanes and sidewalk.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- **X** Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- **X** Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Jones Ferry Road Sidewalk**
Location: **Jones Ferry Road from Davie Road to West Main St**
Project Status: **Proposed**

| Proj Start Date: | FY 2022 | Finish Date: | FY 2024 |
|---|---|---|---|

Project # **PL2**
Category: **Planning & Zoning**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | 85,000 | | | 85,000 | 85,000 |
| Construction | | | | | | 436,000 | 436,000 | 436,000 |
| Land/ROW | | | | | 30,000 | | 30,000 | 30,000 |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ - | $ - | $ 85,000 | $ 30,000 | $ 436,000 | $ 551,000 | $ 551,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | 68,000 | 24,000 | 348,800 | 440,800 | 440,800 |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | 17,000 | 6,000 | 87,200 | 110,200 | 110,200 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ - | $ - | $ 85,000 | $ 30,000 | $ 436,000 | $ 551,000 | $ 551,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**

Design and construction of a section of sidewalk (approximately 0.5 mile in length) along the north side of Jones Ferry Road from Davie Road to West Main Street. This project would complete a missing segment of sidewalk left over from the NCDOT Spot Safety project along Jones Ferry Road. The completed project would complete the pedestrian network from Jones Ferry Road, south of the NC 54 bypass to downtown Carrboro, with major transit stops, grocery shopping, etc. Several of the apartments along this corridor serve students and low-to medium income families.

**Energy Sustainable Measures**

This sidewalk project fills the gap in the sidewalk system along Jones Ferry Road an important pedestrian route into the downtown. Its completion provides an alternative mode of transportation for many residents and may reduce the need for vehicular travel for some trips, and therefore contribute to the reduction of greenhouse gas emissions.

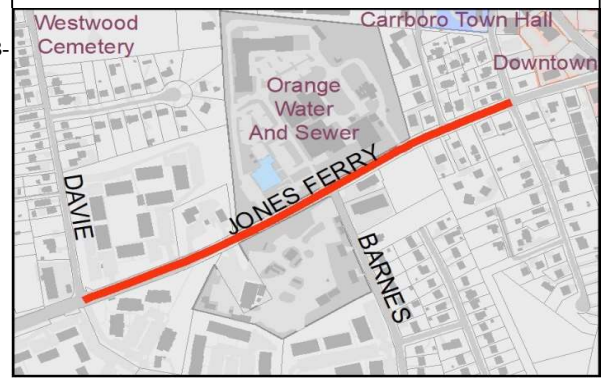
**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

Grant funding provided through the DCHC MPO includes federal STP-DA Funds, which requires a 20% local match. The project has been programed in the FY2018-2027 STIP as #EB-5880. The Town has not yet initiated a Municipal Agreement with NCDOT or adopted a CIP ordinance for this project.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- X Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- X Incorporating energy and climate protection strategies
- X Providing Town services in the most efficient, safe and quality manner
- X Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Barnes Street Sidewalk**
Location: **Barnes Street from King Street to Jones Ferry Road**
Project Status: **Proposed**

| Proj Start Date: | FY 2022 | Finish Date: | FY 2024 |
|---|---|---|---|

Project # **PL3**
Category: **Planning & Zoning**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | 45,897 | | | 45,897 | 45,897 |
| Construction | | | | | | 232,907 | 232,907 | 232,907 |
| Land/ROW | | | | | 13,196 | | 13,196 | 13,196 |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ - | $ - | $ 45,897 | $ 13,196 | $ 232,907 | $ 292,000 | $ 292,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | 36,718 | 10,557 | 186,325 | 233,600 | 233,600 |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | 9,179 | 2,639 | 46,582 | 58,400 | 58,400 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ - | $ - | $ 45,897 | $ 13,196 | $ 232,907 | $ 292,000 | $ 292,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**

Design and construct a sidewalk along one side of Barns Street, approximately 0.26 mile, from King Street to Jones Ferry Road (SR 1005). Barnes Street links a number of apartment complexes, including Carolina Apartments, University Lake Apartments and Royal Park along NC 54, to Jones Ferry Road near Town Hall. The installation of a sidewalk would facilitate bike-pedestrian travel modes as well as provide a safety alternative to walking along NC 54 to reach downtown Carrboro, transit stops, grocery shopping, etc. The apartments tend to serve students and low-to medium income families.

**Energy Sustainable Measures**

This sidewalk project would provide needed infrastructure along an important pedestrian route into the downtown, particularly for those without access to an automobile. Its completion provides a direct cut-through to downtown as well as an alternative mode of transportation and may reduce the need for vehicular travel, particularly along NC 54, and therefore contribute to the reduction of greenhouse gas emissions.

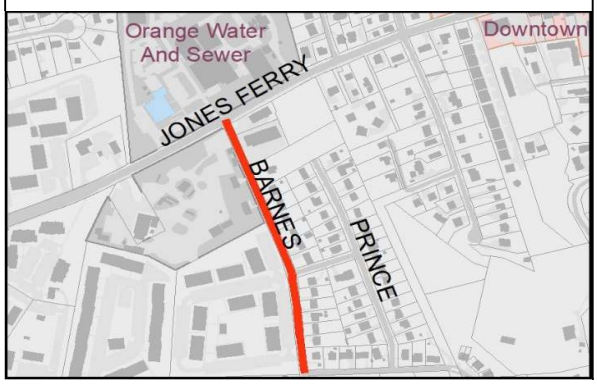
**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

Grant funding provided through the DCHC MPO includes federal STP-DA Funds, which require a 20% local match. The project has been programed in the FY2018-2027 STIP as #EB-5890. The Town has not yet initiated a Municipal Agreement with NCDOT or adopted a CIP ordinance for this project.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- **X** Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- **X** Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Street Resurfacing**
Location: **Town of Carrboro**
Project Status: **Existing Project - Additional Funding Programmed**

Proj Start Date: **4/1/2019** Finish Date: **6/30/2024**

Project # **33003**
Category: **Public Works**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | 801,000 | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 1,500,000 | 2,301,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ 801,000 | $ 300,000 | $ 300,000 | $ 300,000 | $ 300,000 | $ 300,000 | $ 1,500,000 | $ 2,301,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | 801,000 | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 1,500,000 | 2,301,000 |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ 801,000 | $ 300,000 | $ 300,000 | $ 300,000 | $ 300,000 | $ 300,000 | $ 1,500,000 | $ 2,301,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

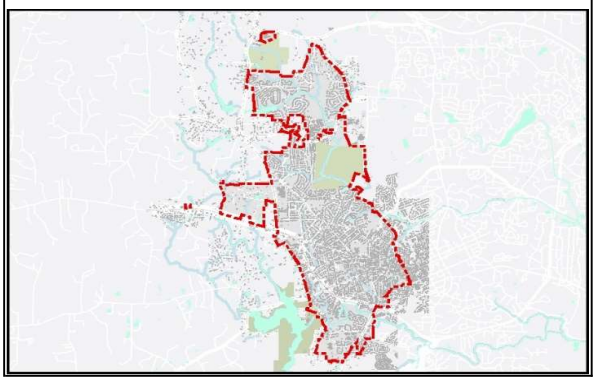
**Description and Benefits**

Ongoing road resurfacing projects. This annual budget is necessary to keep Carrboro roads from falling into disrepair. Performing resurfacing projects on a yearly basis will allow Public Works to maintain good road conditions and not become overwhelmed with road projects.
PW Streets Division is currently working on a phasing plan for resurfacing – evaluating and prioritizing streets. Resurfacing is expected to begin in April 2019.

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
Powell Bill Funding

**Project Map**



**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

X Maintaining the existing infrastructure in order to protect the Town's investments
Expanding the Town's tax base in a way that will benefit both current and future citizens
Complying with State and Federal mandates
Incorporating energy and climate protection strategies
X Providing Town services in the most efficient, safe and quality manner
Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Rogers Road Sidewalk**
Location: **Rogers Road**
Project Status: **Existing Project - No Additional Funding Programmed**

| Proj Start Date: | 11/26/2018 | Finish Date: | 7/30/2019 |
|---|---|---|---|

Project # **55032**
Category: **Public Works**
Fund: **62 - Bond Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | 182,693 | | | | | | - | 182,693 |
| Construction | 1,093,880 | | | | | | - | 1,093,880 |
| Land/ROW | 95,085 | | | | | | - | 95,085 |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ 1,371,658 | $ - | $ - | $ - | $ - | $ - | $ - | $ 1,371,658 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | 542,600 | | | | | | - | 542,600 |
| General Fund | | | | | | | - | - |
| Capital Project Fund | 143,823 | | | | | | - | 143,823 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | 685,235 | | | | | | - | 685,235 |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ 1,371,658 | $ - | $ - | $ - | $ - | $ - | $ - | $ 1,371,658 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 5,000 | 6,000 |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ 1,000 | $ 1,000 | $ 1,000 | $ 1,000 | $ 1,000 | $ 1,000 | $ 5,000 | $ 6,000 |

**Description and Benefits**
The project consists of the installation of a five-foot wide concrete sidewalk one-mile in length, as well as a new bus pad and shelter, on the west side of Rogers Road.

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
The project has been part of the Town's CIP and is funded with a combination of bond funds and STP-DA funds.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **LED Streetlights** | Project # **66041**
Location: **Town of Carrboro** | Category: **Public Works**
Project Status: **Existing Project - No Additional Funding Programmed** | Fund: **66 - Capital Projects Fund**

| Proj Start Date: | 1/1/2019 | Finish Date: | 7/1/2019 |
|---|---|---|---|

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | 100,000 | | | | | | - | 100,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ 100,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ 100,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | 100,000 | | | | | | - | 100,000 |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ 100,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ 100,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | (5,000) | (36,000) | (36,000) | (36,000) | (36,000) | (36,000) | (180,000) | (185,000) |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ (5,000) | $ (36,000) | $ (36,000) | $ (36,000) | $ (36,000) | $ (36,000) | $ (180,000) | $ (185,000) |

**Description and Benefits**

This project involves replacing roughly 700 fixtures on Town maintained streets starting when a fiscally viable rate structure comes into place. LED lights typically last over 100,000 hours, or 20+ years, and feature a "plug and play" electrical system which lowers maintenance costs. It is anticipated that the LED streetlights would have a roughly 10% municipal footprint reduction for the year(s) in which fixture replacement occurs.
In addition to converting LED streetlights, the Town may also utilize this budget for interior lighting LED conversions.

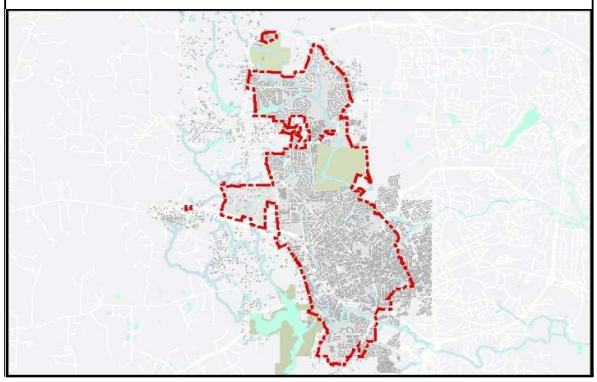
**Energy Sustainable Measures**

This project offers significant energy efficiency improvements. LED lighting is on average 50% more efficient than current standard lighting fixtures (High Pressure Sodium or Mercury Vapor), yielding a relatively short payback period for capital investment (3 years or less). This offers the potential to capitalize future energy savings with the cost savings for LED lighting. Street lighting is a large contribution to all municipal emissions (22%).

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

It is anticipated that the overall impact would result in savings in the annual operating budget equivalent to the capital cost incurred within roughly three years.

**Project Map**



**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- X Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- X Incorporating energy and climate protection strategies
- Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **South Greensboro Street Sidewalk**
Location: **South Greensboro Street**
Project Status: **Existing Project - Additional Funding Programmed**

| Proj Start Date: | 7/1/2016 | Finish Date: | 6/30/2022 |
|---|---|---|---|

Project # **PW1**
Category: **Public Works**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | 105,000 | | | | | | - | 105,000 |
| Construction | | | 550,000 | 662,500 | | | 1,212,500 | 1,212,500 |
| Land/ROW | | 125,000 | | | | | 125,000 | 125,000 |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ 105,000 | $ 125,000 | $ 550,000 | $ 662,500 | $ - | $ - | $ 1,337,500 | $ 1,442,500 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | 184,000 | 440,000 | 530,000 | | | 1,154,000 | 1,154,000 |
| General Fund | | | | | | | - | - |
| Capital Project Fund | 105,000 | (105,000) | | | | | (105,000) | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | 46,000 | 110,000 | 132,500 | | | 288,500 | 288,500 |
| **Total Funding** | $ 105,000 | $ 125,000 | $ 550,000 | $ 662,500 | $ - | $ - | $ 1,337,500 | $ 1,442,500 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | 1,500 | 1,500 | 3,000 | 3,000 |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ 1,500 | $ 1,500 | $ 3,000 | $ 3,000 |

**Description and Benefits**

Construct a sidewalk on one side of S. Greensboro St. from the northern end of Old Pittsboro Rd. to the NC-54 eastbound off-ramp, and on to the Public Works driveway. The sidewalk would fill a major gap for pedestrians from the higher-density area along Smith Level Rd., south of NC-54 bypass, to downtown. It will provide access to downtown transit service for residents along S. Greensboro St. and Smith Level Rd., as well as access to the J bus stop on S. Greensboro St. across from Rand Rd. It will contribute to a safer and more comfortable walking environment for pedestrians traveling north and south on S. Greensboro St. and underneath NC-54 bypass. It will also connect to the Roberson Place Bike Path and on to Libba Cotten Bike Path to Chapel Hill. NOTE: $552,340 of Orange County Transit funds were earmarked toward this project, based on an anticipated higher project cost $1,706,966 -- MPOs & NCDOT's estimate. The higher estimate included more than 20% local match. NCDOT advised staff to initiate the municipal agreement with a 20% match and to request a supplemental agreement to reflect updated costs, if necessary, once design work was underway and a more accurate scope of work and engineer's estimate available.

**Energy Sustainable Measures**

This project will provide a safe bike-ped route from residential neighborhoods to the downtown, and may reduce the reliance on motor vehicles for access and thus reduce motor vehicle emissions.

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

Funding provided through the DCHC MPO as TIP #C-5650 and identified as federal STBG-DA & CMAQ. A 20% local match is required. Orange County Transit funds have been earmarked for this project (noted as other). The Town has executed a Municipal Agreement with NCDOT, and adopted a CIP ordinance on 6/20/17. Mtce costs estimated for bike lanes and sidewalk.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- **X** Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Wayfinder - Town Signage**
Location: **Town of Carrboro**
Project Status: **Proposed**

Proj Start Date: **8/1/2020** Finish Date: **6/30/2022**

Project # **PW2**
Category: **Public Works**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | | | 225,000 | 225,000 | | | 450,000 | 450,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ - | $ 225,000 | $ 225,000 | $ - | $ - | $ 450,000 | $ 450,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | 225,000 | 225,000 | | | 450,000 | 450,000 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ - | $ 225,000 | $ 225,000 | $ - | $ - | $ 450,000 | $ 450,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | 20,000 | 20,000 | 40,000 | 40,000 |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ 20,000 | $ 20,000 | $ 40,000 | $ 40,000 |

**Description and Benefits**

Wayfinding refers to information systems that guide people through a physical environment and enhance their understanding and experience of the space. This is very useful in urban environments like downtown Carrboro. The project would create uniform signage throughout the town. The signs will be informative and aesthetically pleasing, leading to an improved Carrboro experience for visitors and residents. A $52,600 contract with Axia Creative was approved and funded in the FY18 operational budget for graphic design conceptual concept for the wayfinding.

**Energy Sustainable Measures**

The town would be more walkable and likely lead to less driving around searching for parking, etc.

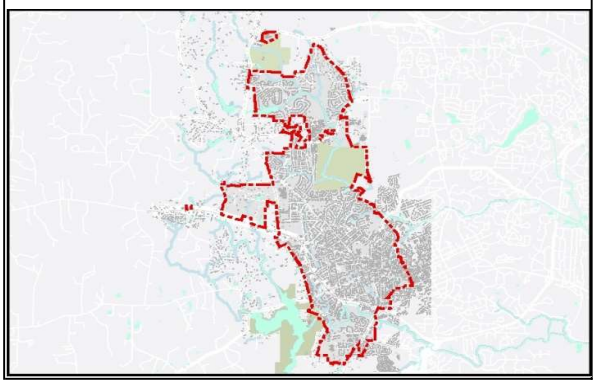
**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

Increased maintenance of signage - Repair and Replacement costs.
Potential for additional funding from economic development, tourism and transportation budgets.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

X Maintaining the existing infrastructure in order to protect the Town's investments
X Expanding the Town's tax base in a way that will benefit both current and future citizens
Complying with State and Federal mandates
Incorporating energy and climate protection strategies
X Providing Town services in the most efficient, safe and quality manner
Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Town Hall Renovations**
Location: **Town Hall**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2019 | Finish Date: | 6/30/2024 |
|---|---|---|---|

Project # **PW3**
Category: **Public Works**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | 150,000 | | 150,000 | 150,000 |
| Construction | | 100,000 | | | 850,000 | 1,000,000 | 1,950,000 | 1,950,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ 100,000 | $ - | $ - | $ 1,000,000 | $ 1,000,000 | $ 2,100,000 | $ 2,100,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | 100,000 | | | | | 100,000 | 100,000 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | 1,000,000 | 1,000,000 | 2,000,000 | 2,000,000 |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ 100,000 | $ - | $ - | $ 1,000,000 | $ 1,000,000 | $ 2,100,000 | $ 2,100,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**

This project consists of renovating Town Hall's entire 18,000 Square Feet. Cost estimate of $225/sf based on the Space Needs Assessment performed by Creech and Associates in 2016. This project will allow for the continued use of the historically significant and centrally located Town Hall building, while upgrading the space to more effectively meet the town's needs, providing better equipped amenities and infrastructure. The current building is in disrepair and overdue for necessary renovations. The FY2020 amount is designated for roof repairs/improvements.

**Energy Sustainable Measures**

The overall building performance will be greatly improved with new windows, insulation, HVAC equipment and infrastructure leading to less energy demand and green house gas emissions. The environmental air quality and workspace comfort will improve as well.

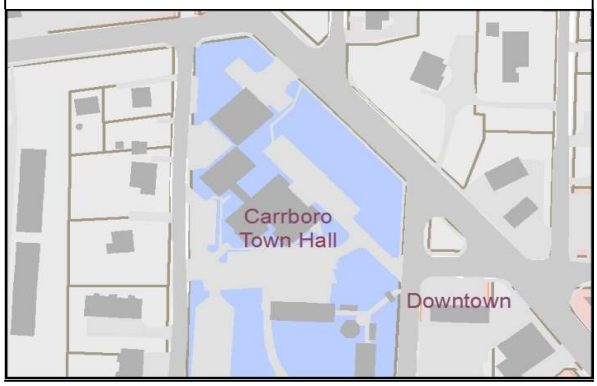
**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

No operating budget impact anticipated.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- X Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- X Incorporating energy and climate protection strategies
- X Providing Town services in the most efficient, safe and quality manner
- X Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Century Center Renovation**
Location: **Century Center**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2021 | Finish Date: | 6/30/2024 |
|---|---|---|---|

Project # **PW4**
Category: **Public Works**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | 100,000 | | | 100,000 | 100,000 |
| Construction | | | | | 900,000 | 1,000,000 | 1,900,000 | 1,900,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ - | $ - | $ 100,000 | $ 900,000 | $ 1,000,000 | $ 2,000,000 | $ 2,000,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | 100,000 | 900,000 | 1,000,000 | 2,000,000 | 2,000,000 |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ - | $ - | $ 100,000 | $ 900,000 | $ 1,000,000 | $ 2,000,000 | $ 2,000,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**

This project consists of renovating Century Center's entire 23,000 Square Feet. Cost estimate of $125/sf based on the Space Needs Assessment performed by Creech and Associates in 2016. This project will allow for the continued use of the historically significant and centrally located Century Center building, while upgrading the space to more effectively meet the town's needs.
The space the police station currently has is inadequate. The infrastructure of the Century Center is outdated and falling into disrepair.

**Energy Sustainable Measures**

The building performance would greatly improve, leading to less energy consumption.

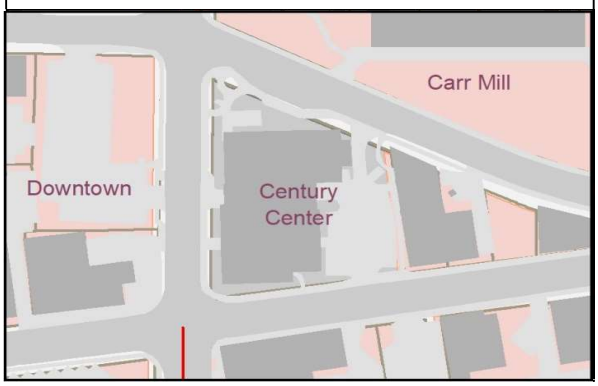
**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

No operating budget impact anticipated.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

X Maintaining the existing infrastructure in order to protect the Town's investments
Expanding the Town's tax base in a way that will benefit both current and future citizens
Complying with State and Federal mandates
X Incorporating energy and climate protection strategies
Providing Town services in the most efficient, safe and quality manner
X Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Fire Station 1 Renovation**
Location: **Fire Station 1**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2019 | Finish Date: | 6/30/2024 |
|---|---|---|---|

Project # **PW5**
Category: **Public Works**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | 65,000 | | 65,000 | 65,000 |
| Construction | | 100,000 | | | 935,000 | 1,000,000 | 2,035,000 | 2,035,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ 100,000 | $ - | $ - | $ 1,000,000 | $ 1,000,000 | $ 2,100,000 | $ 2,100,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | 100,000 | | | | | 100,000 | 100,000 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | 1,000,000 | 1,000,000 | 2,000,000 | 2,000,000 |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ 100,000 | $ - | $ - | $ 1,000,000 | $ 1,000,000 | $ 2,100,000 | $ 2,100,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**

This project consists of renovating Fire Station 1's entire 9,710 Square Feet. Cost estimate of $225/sf based on the Space Needs Assessment performed by Creech and Associates in 2016. The Fire Station has not had interior improvements in a long time. Amenities for emergency and on duty personnel are deficient - including sleeping quarters and shower rooms. The FY2020 amount is designated for building improvements that cannot wait for the future renovations.

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

No operating budget impact anticipated.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

X Maintaining the existing infrastructure in order to protect the Town's investments
Expanding the Town's tax base in a way that will benefit both current and future citizens
Complying with State and Federal mandates
Incorporating energy and climate protection strategies
X Providing Town services in the most efficient, safe and quality manner
X Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Public Works Relocation**
Location: **TBD**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2022 | Finish Date: | 6/30/2024 |
|---|---|---|---|

Project # **PW6**
Category: **Public Works**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | 130,000 | 6,000,000 | 6,130,000 | 6,130,000 |
| Construction | | | | | | | - | - |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | 100,000 | 100,000 | 100,000 |
| **Total Expenditures** | $ - | $ - | $ - | $ - | $ 130,000 | $ 6,100,000 | $ 6,230,000 | $ 6,230,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | 130,000 | 6,100,000 | 6,230,000 | 6,230,000 |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ - | $ - | $ - | $ 130,000 | $ 6,100,000 | $ 6,230,000 | $ 6,230,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**

This project entails relocating the Public Works facility to a different location that is away from the flood plane. Currently the Public Works facility is in a location prone to flooding; which impacts the ability to perform emergency services for the community. The location of the new facility will be on land that is currently owned by the town. With a new facility, Public Works will be able to better serve the Town during a storm event. The current facility space is inadequate for future growth and the infrastructure is in need of renovations.

**Energy Sustainable Measures**

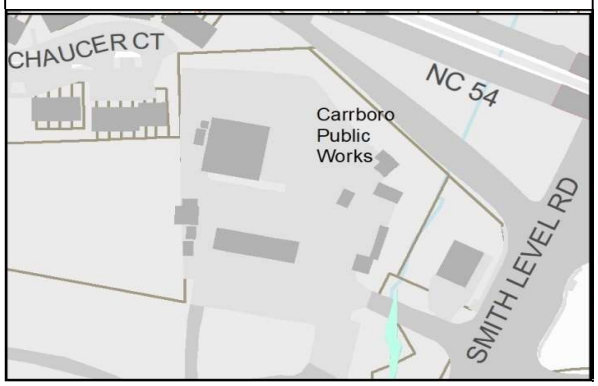
**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

Potential for FEMA to fund entire or partial project. Amounts included above reflect 100% FEMA funding. No operating budget impact anticipated.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- **X** Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Bus Shelter Replacement**
Location: **Town of Carrboro**
Project Status: **Proposed**

| Proj Start Date: | 11/1/2019 | Finish Date: | 4/1/2020 |
|---|---|---|---|

Project # **PW7**
Category: **Public Works**
Fund: **66 - Capital Projects Fund**

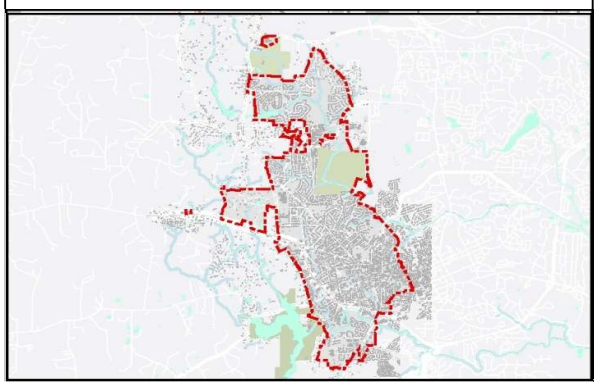
| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | | 288,000 | | | | | 288,000 | 288,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ 288,000 | $ - | $ - | $ - | $ - | $ 288,000 | $ 288,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | 288,000 | | | | | 288,000 | 288,000 |
| **Total Funding** | $ - | $ 288,000 | $ - | $ - | $ - | $ - | $ 288,000 | $ 288,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**
This project consists of replacing all twenty-four (24) bus shelters within the town of Carrboro. The existing bus shelters will be demolished and a new prefabricated shelter will be installed. No modifications to the existing concrete pad are expected.

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
It is intended that Chapel Hill Transit pay for the replacement shelters.

**Project Map**



**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

X Maintaining the existing infrastructure in order to protect the Town's investments
Expanding the Town's tax base in a way that will benefit both current and future citizens
Complying with State and Federal mandates
Incorporating energy and climate protection strategies
X Providing Town services in the most efficient, safe and quality manner
Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Town Hall Basement Waterproofing**
Location: **Town Hall**
Project Status: **Proposed**

| Proj Start Date: | 8/1/2019 | Finish Date: | 10/1/2019 |
|---|---|---|---|

Project # **PW8**
Category: **Public Works**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | | 100,000 | | | | | 100,000 | 100,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ 100,000 | $ - | $ - | $ - | $ - | $ 100,000 | $ 100,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | 100,000 | | | | | 100,000 | 100,000 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ 100,000 | $ - | $ - | $ - | $ - | $ 100,000 | $ 100,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**
The Town Hall basement currently floods at the southeast corner of the building. This budget would involve significant waterproofing, water mitigation measures and engineering. Currently the server room is located in this area of the basement which is major infrastructure that needs to be protected.

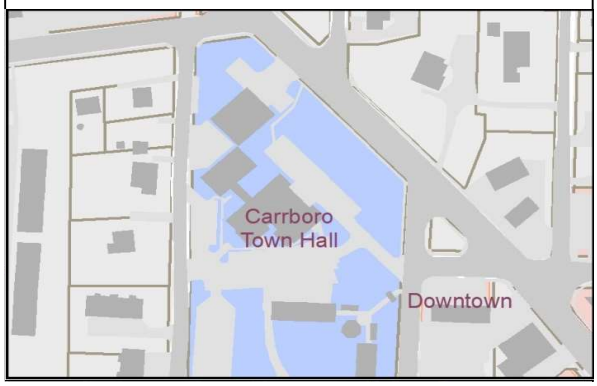
**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
No impact anticipated.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

X Maintaining the existing infrastructure in order to protect the Town's investments
Expanding the Town's tax base in a way that will benefit both current and future citizens
Complying with State and Federal mandates
Incorporating energy and climate protection strategies
X Providing Town services in the most efficient, safe and quality manner
Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Sidewalk Repairs**
Location: **Town of Carrboro**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2020 | Finish Date: | 6/1/2022 |
|---|---|---|---|

Project # **PW9**
Category: **Public Works**
Fund: **66 - Capital Projects Fund**

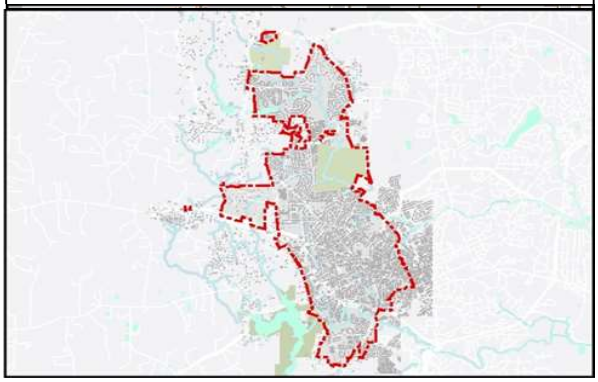
| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | 15,000 | | | | | 15,000 | 15,000 |
| Construction | | 100,000 | 100,000 | 100,000 | 100,000 | | 400,000 | 400,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ 115,000 | $ 100,000 | $ 100,000 | $ 100,000 | $ - | $ 415,000 | $ 415,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | 15,000 | | | | | 15,000 | 15,000 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | 100,000 | 100,000 | 100,000 | 100,000 | | 400,000 | 400,000 |
| **Total Funding** | $ - | $ 115,000 | $ 100,000 | $ 100,000 | $ 100,000 | $ - | $ 415,000 | $ 415,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**
A sidewalk condition study will be completed in FY 2020 which will identify damaged sidewalks and prioritize them. $100,000 is then allocated for the following to make the necessary repairs. ADA improvements to the sidewalks will also be identified and completed as part of this project.

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
Grant and/or bond funding will be sought.

**Project Map**



**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

X Maintaining the existing infrastructure in order to protect the Town's investments
Expanding the Town's tax base in a way that will benefit both current and future citizens
Complying with State and Federal mandates
Incorporating energy and climate protection strategies
X Providing Town services in the most efficient, safe and quality manner
Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Unpaved Road Upgrades**
Location: **Roberts Road**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2019 | Finish Date: | 10/1/2019 |
|---|---|---|---|

Project # **PW10**
Category: **Public Works**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | | 230,000 | | | | | 230,000 | 230,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ 230,000 | $ - | $ - | $ - | $ - | $ 230,000 | $ 230,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | 190,000 | | | | | 190,000 | 190,000 |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | 40,000 | | | | | 40,000 | 40,000 |
| **Total Funding** | $ - | $ 230,000 | $ - | $ - | $ - | $ - | $ 230,000 | $ 230,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | (10,500) | (10,500) | (10,500) | (10,500) | (10,500) | (52,500) | (52,500) |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ (10,500) | $ (10,500) | $ (10,500) | $ (10,500) | $ (10,500) | $ (52,500) | $ (52,500) |

**Description and Benefits**
This project will pave Roberts Road which is currently a dirt road. Public Works has ongoing maintenance and access issues with this road due to the grade and surface. Roberts Road has been identified as the only Town maintained dirt road that causes significant maintenance issues and is in the best interest of the Town to pave. Roberts Road has a steep slope and a sharp turn that causes water to wash away gravel and clog the storm sewer inlet. Solid Waste trucks have issues maneuvering on the road. The result of paving will be improved storm water quality, decreased maintenance costs and better access for Solid Waste pickup, snow plowing and emergency vehicles.

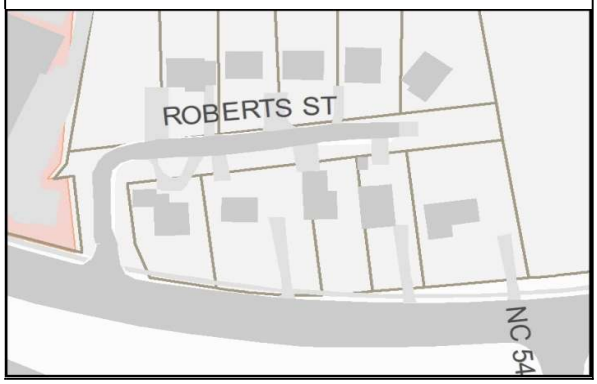
**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
It is expected that residence will partially fund the improvement in accordance with Town precedent.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- X Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- Complying with State and Federal mandates
- Incorporating energy and climate protection strategies
- X Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**



# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **MLK Jr. Park Construction Design**
Location: **1120 Hillsborough Road**
Project Status: **Existing Project - No Additional Funding Programmed**

| Proj Start Date: | 1/17/2018 | Finish Date: | 1/7/2020 |
|---|---|---|---|

Project # **66044**
Category: **Recreation and Parks**
Fund: **66 - Capital Projects Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | 183,200 | | | | | | - | 183,200 |
| Construction | 2,377,996 | | | | | | - | 2,377,996 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ 2,561,196 | $ - | $ - | $ - | $ - | $ - | $ - | $ 2,561,196 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | 2,561,196 | | | | | | - | 2,561,196 |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | | - | - |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ 2,561,196 | $ - | $ - | $ - | $ - | $ - | $ - | $ 2,561,196 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | 22,000 | 44,000 | 44,000 | 44,000 | 44,000 | 198,000 | 198,000 |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ 22,000 | $ 44,000 | $ 44,000 | $ 44,000 | $ 44,000 | $ 198,000 | $ 198,000 |

**Description and Benefits**

The Town purchased 9.5 acres of land in the Hillsborough Road/Pathway Drive and designated it as a neighborhood park. On June 15, 2004, the Board of Aldermen approved a park design and officially named the park Martin Luther King, Jr. Park. While the original master plan has not been implemented, a community garden has been established at the park and the Park is used for walking and informal field play. The original master plan is currently being updated. In addition to enlarging the community garden, possible amenities being considered for the park are trails, restroom, picnic shelters, pavilions, a playground, amphitheater, sculpture garden, meditation garden, enhancing wetlands for environmental education, and a pollinator garden. Wilson Park is the closest neighborhood park in this area; however, the service radius neither serves the neighborhoods that the MLK Park is intended to serve. The development of Martin Luther King, Jr. Park will serve neighborhoods in the northern area and accommodate the ultimate growth north of Hillsborough Road from the Old Fayetteville to Calvander intersection. Currently, there is not a neighborhood park available for the northern area of Town.

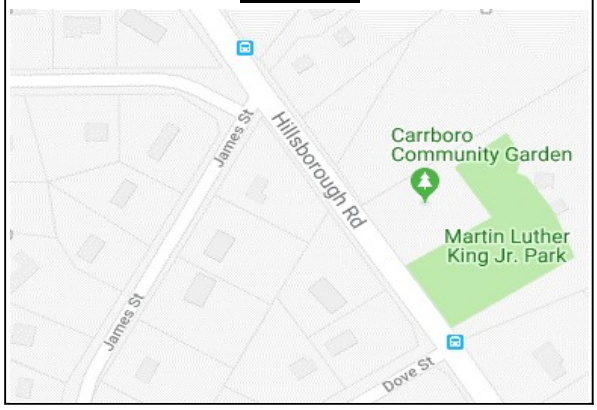
**Energy Sustainable Measures**

Rain barrels will be placed at all structures so rain can be used in the community garden and by Public Works as needed.

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

Additional personnel, equipment, and supplies will be needed to maintain the park grounds.

**Project Map**




**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

X Maintaining the existing infrastructure in order to protect the Town's investments
Expanding the Town's tax base in a way that will benefit both current and future citizens
Complying with State and Federal mandates
Incorporating energy and climate protection strategies
Providing Town services in the most efficient, safe and quality manner
X Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Public Works Stream Restoration/Culvert Replacement**
Location: **100 Public Works Drive**
Project Status: **Proposed**

| Proj Start Date: | 1/1/2019 | Finish Date: | 6/1/2020 |
|---|---|---|---|

Project # **SW-1**
Category: **Storm Water**
Fund: **80 - Storm Water Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | 81,406 | | | | | 81,406 | 81,406 |
| Construction | | 325,624 | | | | | 325,624 | 325,624 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ 407,030 | $ - | $ - | $ - | $ - | $ 407,030 | $ 407,030 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | 305,272 | | | | | 305,272 | 305,272 |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | 101,758 | | | | | 101,758 | 101,758 |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ 407,030 | $ - | $ - | $ - | $ - | $ 407,030 | $ 407,030 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**

The stream that runs between Smith Level Road and Public Works has experienced excessive stream bank erosion in general in recent years, with a significant impact from Hurricane Florence. This erosion is not only undesirable from an environmental perspective, it also presents an urgent situation given the proximity to the facility's fuel tanks. Damage to these tanks in a storm event would result in very substantial environmental and operational impacts. There could be a significant cost savings for also replacing the culverts under the Public Works driveway at the same time. The cost estimates provided are based on 2014 Sungate estimates, adjusted for 2018. It is recommended that Sungate Engineering complete preliminary engineering work in the second half of FY 2019 using Storm Water operating budget funds.

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

It is recommended that the Town pursue FEMA Public Assistance funds, if available. In the event that these funds are not available, it is recommended that the scope of funding from the Storm Water Fund (and possibly the scope of the project required to protect the tanks) be limited, given the revenue available to the Storm Water Fund.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- X Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- X Complying with State and Federal mandates
- X Incorporating energy and climate protection strategies
- X Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Broad St. Culvert Replacement**
Location: **408 Broad Street**
Project Status: **Proposed**
Proj Start Date: **February, 2019** Finish Date: **March, 2020**

Project # **SW-2**
Category: **Storm Water**
Fund: **80 - Storm Water Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | | - | - |
| Construction | | 73,642 | | | | | 73,642 | 73,642 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ 73,642 | $ - | $ - | $ - | $ - | $ 73,642 | $ 73,642 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | 73,642 | | | | | 73,642 | 73,642 |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ 73,642 | $ - | $ - | $ - | $ - | $ 73,642 | $ 73,642 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | (250) | (250) | (250) | (250) | (1,000) | (1,000) |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ (250) | $ (250) | $ (250) | $ (250) | $ (1,000) | $ (1,000) |

**Description and Benefits**

There is a 24" vitrified clay culvert under Broad Street that is conveying a small stream. The inlet end is crushed/blocked by a large tree. According to Sungate, a 54" pipe is needed. The failing and undersized culvert is causing ongoing maintenance issues including major issues for the road and adjacent properties during major storms. The proposed replacement is based on a study by Sungate in 2013, with updated costs for 2018. A hydrology study from Sungate is planned for FY 18/19 prior to final design. Note: if the project is delayed, it is possible that the pipe could completely fail and an emergency repair/replacement would be required. Note that this project has not been submitted to the CIP for previous funding, and may not need to be based on the amount of the anticipated expense. It is included to initiate management review as quickly as possible. It is recommended that Sungate Engineering complete preliminary engineering work in the second half of FY 2019/20 using Storm water operating budget funds.

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

It is recommended that the Town pursue FEMA Public Assistance funds, if available. After completion, the project should save on operating expenses, which will likely be less predictable and more storm event response oriented than shown above.

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- X Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- X Complying with State and Federal mandates
- X Incorporating energy and climate protection strategies
- X Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

**Project Map**

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Anderson Park Storm Water Retrofits**
Location: **Anderson Park**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2019 | Finish Date: | 6/1/2021 |
|---|---|---|---|

Project # **SW-3**
Category: **Storm Water**
Fund: **80 - Storm Water Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | 60,000 | | | | | 60,000 | 60,000 |
| Construction | | | 320,000 | | | | 320,000 | 320,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ 60,000 | $ 320,000 | $ - | $ - | $ - | $ 380,000 | $ 380,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | 60,000 | 320,000 | | | | 380,000 | 380,000 |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ 60,000 | $ 320,000 | $ - | $ - | $ - | $ 380,000 | $ 380,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | 500 | 500 | 500 | 1,500 | 1,500 |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ 500 | $ 500 | $ 500 | $ 1,500 | $ 1,500 |

**Description and Benefits**

Sungate has completed concept plans for storm water retrofits that have been identified in the CIP since 2015. These retrofits address requirements of the Town's NPDES permit and also under the Jordan Lake rules. The projects also: are in the water supply watershed, and help protect drinking water; present an excellent opportunity for outreach and education; are the most cost effective of all retrofits that have been identified over the past 15 years; and "lead by example" with the types of projects to encourage others in the community to pursue. The project includes bio retention cells and a water quality swale.

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

These retrofits will require some increased maintenance costs.

**Project Map**

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- X Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- X Complying with State and Federal mandates
- X Incorporating energy and climate protection strategies
- X Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Storm Water Retrofits on Town Land Adjacent to Public Works** Project # **SW-4**
Location: **Adjacent to Public Works and Future Morgan Creek Greenway** Category: **Storm Water**
Project Status: **Proposed** Fund: **80 - Storm Water Fund**

| Proj Start Date: | 7/1/2020 | Finish Date: | 6/1/2022 |
|---|---|---|---|

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | 55,000 | | | | 55,000 | 55,000 |
| Construction | | | | 305,000 | | | 305,000 | 305,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ - | $ 55,000 | $ 305,000 | $ - | $ - | $ 360,000 | $ 360,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | 55,000 | 305,000 | | | 360,000 | 360,000 |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ - | $ 55,000 | $ 305,000 | $ - | $ - | $ 360,000 | $ 360,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | 500 | 500 | 1,000 | 1,000 |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ 500 | $ 500 | $ 1,000 | $ 1,000 |

**Description and Benefits**
Retrofits have been identified for this site in the CIP since 2013. These retrofits address requirements of the Town's NPDES permit and also under the Jordan Lake rules. The projects also present an excellent opportunity for outreach and education, and for the Town to "lead by example" with the types of projects to encourage others in the community to pursue.

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**
This project will require some increased maintenance costs.

**Project Map**

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- X Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- X Complying with State and Federal mandates
- X Incorporating energy and climate protection strategies
- X Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Storm Water Retrofits at OWASA**
Location: **OWASA Water Treatment Plant/Administrative Site**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2022 | Finish Date: | 6/1/2023 |
|---|---|---|---|

Project # **SW-5**
Category: **Storm Water**
Fund: **80 - Storm Water Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | 76,000 | | | 76,000 | 76,000 |
| Construction | | | | | 360,000 | | 360,000 | 360,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ - | $ - | $ 76,000 | $ 360,000 | $ - | $ 436,000 | $ 436,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | 76,000 | 360,000 | | 436,000 | 436,000 |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ - | $ - | $ 76,000 | $ 360,000 | $ - | $ 436,000 | $ 436,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

**Description and Benefits**

Retrofits have been identified for this site in the CIP since 2016. These retrofits address requirements of the Town's NPDES permit and also under the Jordan Lake rules. The projects also present an excellent opportunity for outreach and education, and for the Town to "lead by example" with the types of projects to encourage others in the community to pursue.

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

**Project Map**

**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- **X** Complying with State and Federal mandates
- **X** Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **McDougle School Storm Water Retrofits**
Location: **McDougle Elementary and Middle Schools**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2023 | Finish Date: | 6/1/2026 |
|---|---|---|---|

Project # **SW-6**
Category: **Storm Water**
Fund: **80 - Storm Water Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | 102,000 | | 102,000 | 102,000 |
| Construction | | | | | | 400,000 | 400,000 | 400,000 |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ - | $ - | $ - | $ 102,000 | $ 400,000 | $ 502,000 | $ 502,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | 102,000 | 400,000 | 502,000 | 502,000 |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ - | $ - | $ - | $ 102,000 | $ 400,000 | $ 502,000 | $ 502,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

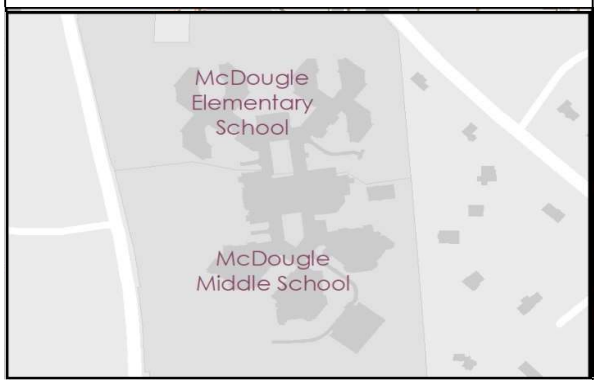
**Description and Benefits**

Retrofits have been identified for this site in the CIP since 2014. These retrofits address requirements of the Town's NPDES permit and also under the Jordan Lake rules, and will provide some flood mitigation in the Toms Creek watershed. The project also presents an excellent opportunity for outreach and education

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

**Project Map**




**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- **X** Complying with State and Federal mandates
- **X** Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans

# Town of Carrboro, NC
## Capital Improvement Plan for FY20 thru FY24

Project Title: **Carrboro Elementary/Shetley Bikeway Storm Water Retrofits**
Location: **Carrboro Elementary School**
Project Status: **Proposed**

| Proj Start Date: | 7/1/2024 | Finish Date: | 6/30/2026 |
|---|---|---|---|

Project # **SW-7**
Category: **Storm Water**
Fund: **80 - Storm Water Fund**

| | Previous Funding | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY20-FY24 Total | Project Total |
|---|---|---|---|---|---|---|---|---|
| **Expenses** | | | | | | | | |
| Planning/Design | | | | | | 110,000 | 110,000 | 110,000 |
| Construction | | | | | | | - | - |
| Land/ROW | | | | | | | - | - |
| Equipment/Furnishings | | | | | | | - | - |
| **Total Expenditures** | $ - | $ - | $ - | $ - | $ - | $ 110,000 | $ 110,000 | $ 110,000 |
| **Appropriations** | | | | | | | | |
| Intergovernmental Funds | | | | | | | - | - |
| General Fund | | | | | | | - | - |
| Capital Project Fund | | | | | | | - | - |
| Storm Water Fund | | | | | | 110,000 | 110,000 | 110,000 |
| GO Bonds | | | | | | | - | - |
| Installment Financing | | | | | | | - | - |
| Other | | | | | | | - | - |
| **Total Funding** | $ - | $ - | $ - | $ - | $ - | $ 110,000 | $ 110,000 | $ 110,000 |
| **Operating Budget Impact** | | | | | | | | |
| Personnel | | | | | | | - | - |
| Operating | | | | | | | - | - |
| Capital Outlay | | | | | | | - | - |
| Debt Service | | | | | | | - | - |
| **Total Oper Bdgt Impact** | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |

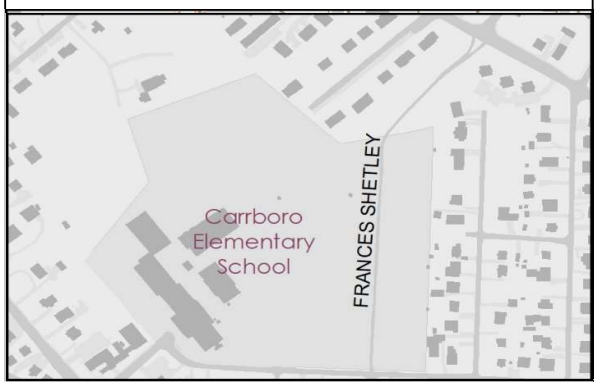
**Description and Benefits**

Retrofits and a stream restoration have been identified for this site in the CIP since 2013. These projects address requirements of the Town's NPDES permit and also under the Jordan Lake rules. They also address Watershed Restoration Plan implementation and regulatory requirements associated with the impaired stream listing of Bolin Creek. The project also presents an excellent opportunity for outreach and education .

**Energy Sustainable Measures**

**Oper Bdgt Impacts & Funding (list grants, matching requirements, etc)**

**Project Map**




**Board of Aldermen Strategic Goals: ("X" all that apply for this project)**

- Maintaining the existing infrastructure in order to protect the Town's investments
- Expanding the Town's tax base in a way that will benefit both current and future citizens
- **X** Complying with State and Federal mandates
- **X** Incorporating energy and climate protection strategies
- **X** Providing Town services in the most efficient, safe and quality manner
- Managing and encouraging orderly implementation of Town adopted needs assessments, strategic and program master plans