



TOWN OF WAKE FOREST

# Capital Improvements Plan **Update**



2019 - 2024



TOWN of  
WAKE FOREST





TOWN *of*  
WAKE FOREST

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# Memo

To: Mayor and Board of Commissioners

From: Kip Padgett, Town Manager

CC: Department Directors; Ben Blevins; Antwan Morrison; Candace Davis

Date: February 5, 2019

Re: 2019 – 2024 Capital Improvement Plan (CIP)

Attached for your review is the above referenced CIP. The plan identifies needs in the amount of \$324.2 million over the next five years with an estimated operating impact of \$36.6 million. Many of the projects identified will require funding through grants, bond referendums, installment purchase agreements and general fund revenues.

For the upcoming fiscal year (2019 – 2020) the funding request is \$22.6 million. As you look specifically at the year one requests, you will notice that most of the Level A projects continue to focus on maintenance of our current assets along with the Downtown Streetscape improvements.

At your retreat on February 1, we discussed some of the projects within the CIP in the context of a future bond referendum. If the Board approves moving forward with this initiative, some of the projects may shift based on direction and prioritization.

As you begin to review this document, please remember needs over the next five years and beyond are identified. After year one, it becomes more difficult to project cost estimates, which is why we update the plan annually. Although the rankings are based on a prioritization system, some have been adjusted based on management recommendations. However, it is important to note the Board has final authority in the rankings of the projects.

Typically, we have funded approximately \$3 million annually for our CIP program. The final numbers for year one will be presented within the Town Manager's proposed budget for 2019 – 2020.

Staff will be present at your CIP work session on March 5 to provide a general overview of the proposed year one projects, as well as answer any questions. I would like to express my appreciation to Aileen Staples, Ben Blevins, Antwan Morrison and Department Directors for their efforts in compiling this year's CIP update. Please let me know if you have any questions. Thanks.



# TOWN OF WAKE FOREST

## CAPITAL IMPROVEMENT PLAN

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# INTRODUCTION

**DEFINITION:** The Capital Improvements Plan (CIP) is a five year plan identifying the Town’s capital improvement needs. As a long range plan, the CIP reflects the Town’s policy regarding long range physical and economic development. By providing a planned schedule of public improvements, the CIP outlines present and future public needs and priorities. A capital improvement is defined as any expenditure for equipment, buildings, infrastructure, land acquisition, plan or project in which the cost exceeds \$25,000 and the estimated useful life is greater than 1 year.

**CAPITAL IMPROVEMENT PLAN PROCESS:** Capital project planning is an ongoing process. Each year the CIP document is updated. The need or idea for capital improvements can originate from the Mayor, Board, Citizens, or Town staff. These items are compiled into this document and presented to the Board of Commissioners on an annual basis. Through the annual planning retreat and work session(s), the Board focuses on prioritizing the first year’s expenditures. Once the CIP is approved, it outlines the Town’s official commitment to funding these expenditures in the upcoming budget. During the annual budget process in the spring, the first year projects are refined and a financing plan is put into place within the budget to fund those expenditures.



**FUNCTIONS OF THE CIP:** A CIP must be updated each year. Adopting a CIP does not end with the first year. Changing needs and priorities, emergencies, cost changes, mandates and changes in technology all require the CIP to be updated annually. The Town’s public facilities, streets, parks, infrastructure, equipment, etc., are constantly in need of repair, replacement or expansion. A growing population will require additional or new facilities. These reasons require that the CIP be updated to maintain the financial solidity of the Town. The Town of Wake Forest’s staff has updated the CIP each year since adopting the first document in 1985. The CIP achieves the following objectives as a component of the Town’s budget and financial planning process:

- Reduces the need for “crash programs” to finance the construction of Town facilities
- Focuses attention on community goals, needs and capabilities
- Achieves optimum use of taxpayer dollars
- Guides future community growth and development
- Advance planning ensures that projects are well thought out in advance of construction
- Provides for the orderly replacement of capital items
- Encourages a more efficient governmental administration as well as maintains a sound and stable financial program

**CAPITAL IMPROVEMENT PLAN – FISCAL POLICY EXCERPT:**

- The Town will prioritize all capital improvements in accordance with an adopted Capital Improvement Plan (CIP).
- The Town will develop a five-year plan for capital improvements and review capital improvements and review and update annually.
- The Town will coordinate development of the capital improvements program with development of the operating budget.
- The Town will use intergovernmental assistance to finance only those capital improvements that are consistent with the capital improvement plan and Town priorities.
- The Town will maintain all its assets at a level adequate to protect the Town’s capital investment and to minimize future maintenance and replacement costs.
- The Town will identify the estimated costs and potential funding sources for each capital project proposal before it is submitted for approval.
- The Town will attempt to determine the least costly and most flexible method for all new projects.
- Additional information on the CIP will be highlighted within the Capital Improvements section of the annual budget document.

**PUBLIC ART ORDINANCE – OVERVIEW:** The Town of Wake Forest recognizes the importance of facilitating the creation and installation of art for public spaces that evokes social and aesthetic interaction. It is intended that works of Public Art will enliven public space, promote community identity and sense of place, and contribute to a vibrant and engaging Town. The goal for the Public Art Program is a transparent and directed public process for commissioning and acquiring art for public spaces that will contribute to the Town’s cultural and economic vitality. The allocation will be calculated at one percent (1%) of the total eligible project cost. Eligible projects under this ordinance include architectural and engineering fees, site work, direct construction costs and contingency allowances for a Capital Project, but shall exclude land or building acquisitions, taxes, legal fees, insurance costs, costs of compliance with regulatory requirements, and other costs unrelated to actual construction; and shall also exclude the cost of subsequent changes to the project unless any single subsequent changes exceeds fifteen (15%) percent of the initial budgeted cost of the Capital Project.

**MAINTENANCE OF TOWN ASSETS:** Capital assets include major government facilities, infrastructure, equipment and networks that enable the delivery of public sector services. The performance and continued use of these capital assets is essential to the health, safety, economic development and quality of life of those receiving services.

Budgetary pressures often impede capital program expenditures or investments for maintenance and replacement, making it increasingly difficult to sustain the asset in a condition necessary to provide expected service levels. Ultimately, deferring essential maintenance or asset replacement could reduce the organizations ability to provide services and could threaten public health, safety and overall quality of life. In addition, as the physical condition of the asset declines, deferring maintenance and/or replacement could increase long-term costs and liabilities.

It is with this in mind that the town staff has implemented an “Asset Maintenance” section. This section is used to present planned maintenance projects that bear significant financial implications, which will allow management to better plan for the town’s future needs. The overall CIP document is used to account for upcoming projects, expansion of those currently and major financial purchases. However, as the town continues to sufficiently manage the operating costs the need to maintain our aging assets remains.

**VEHICLE REPLACEMENT:** In addition to the other capital improvement projects included in the CIP Update, there are other major types of vehicles and equipment which are a substantial financial investment and need to be handled in the most economic manner. Therefore, the Town chooses to incorporate these items into the CIP update. Vehicles and/or equipment are evaluated primarily based on age, mileage operation & maintenance cost. There are, however, several additional factors which must be considered in determining these replacements: fuel costs, condition, safety, life of equipment, etc.

**THE CIP UPDATE:** The document that follows is the update to the CIP and covers the (5) fiscal years 2019-20 through 2023-24. This document contains capital expenditure requests from each department/division for items that cost over \$25,000 and generally have a useful life of five (5) years or more.

This section of the CIP includes a description of the prioritization system, a summary by funding level for the fiscal year 2019-20 and a summary by department/division and fund for each of the five fiscal years. The remainder of the document contains summary information for each department/division with the supporting information on capital project request forms.

## PRIORITIZATION SYSTEM

**PRIORITIZATION MATRIX:** The priority system includes a matrix shown below. This system was developed to assist in the setting of priorities for capital expenditures because not all requests can be funded in any given year due to budgetary constraints.

|          |   | Priority       |                |     |
|----------|---|----------------|----------------|-----|
|          |   | High           | Medium         | Low |
| Criteria | 1 | <b>Level A</b> |                |     |
|          | 2 |                | <b>Level B</b> |     |
|          | 3 |                |                |     |
|          | 4 |                | <b>Level C</b> |     |

The matrix contains a measure of priority on the horizontal axis and a determination of criteria category on the vertical axis. **Priorities** of the capital projects are measured as high, medium or low as follows:

**HIGH:** Project mandated by local, state, or federal regulations, or  
 Project is a high priority of the Town Board, or  
 Project substantially reduces losses or increases revenues.

**MEDIUM:** Project maintains existing service levels, or  
 Project results in better efficiency or service delivery, or  
 Project reduces operational costs, or  
 Project improves work force morale.

**LOW:** Project is not mandated, or  
 Project improves service levels, or  
 Project improves quality of life.

**CRITERIA CATEGORIES:**

- I. **Health/Safety/Welfare** - projects that protect the health, safety and welfare of the community and the employees serving it.
- II. **Maintenance/Replacement** - projects that provide for the maintenance of existing systems and equipment.
- III. **Expansion of Existing Programs** - projects which enhance the existing systems and programs allowing for expansion of existing services.
- IV. **Expansion of New Programs** - projects that allow for expansion into new programs and services.

**LEVEL OF FUNDING:** The grid is further divided into levels:  
 Level A - highest consideration for funding,  
 Level B - moderate consideration,  
 Level C - least consideration for funding resources.



Capital Improvement Plan  
FUNDING SUMMARY

| DIVISION DESCRIPTION                                   | PRIOR                | 2019-2020            | 2020-2021            | 2021-2022            | 2022-2023            | 2023-2024            | TOTALS                | Beyond 2024<br>Memo Only |
|--|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|--------------------------|
| <b>USES:</b>   |                      |                      |                      |                      |                      |                      |                       |                          |
| <i>GENERAL FUND</i>                                    |                      |                      |                      |                      |                      |                      |                       |                          |
| General Government                                     | \$ 2,875,100         | \$ 5,289,200         | \$ 1,173,500         | \$ 4,108,800         | \$ 4,060,400         | \$ 4,259,400         | \$ 21,766,400         | \$ 24,002,000            |
| Information Technology                                 | 650,000              | 2,595,000            | 230,000              | 230,000              | 2,080,000            | 185,000              | 5,970,000             | -                        |
| Public Facilities                                      | 200,000              | 280,200              | 4,948,300            | 676,200              | 160,000              | 50,000               | 6,314,700             | 38,806,900               |
| Public Safety  | -                    | -                    | 390,000              | 600,000              | 875,000              | -                    | 1,865,000             | -                        |
| Transportation   | 13,350,900           | 8,221,700            | 708,900              | 10,001,200           | 7,480,400            | 18,008,900           | 57,772,000            | 78,491,700               |
| Parks and Recreation                                   | 175,000              | 552,500              | 542,500              | 869,000              | 565,000              | 475,000              | 3,179,000             | 33,285,500               |
| Streets Division                                       | 80,000               | 150,000              | 365,000              | 400,000              | 100,000              | 100,000              | 1,195,000             | 260,000                  |
| Fleet Division   | -                    | -                    | -                    | 155,000              | 90,000               | -                    | 245,000               | -                        |
| Environmental Services                                 | 65,600               | 125,000              | 825,000              | 625,000              | 205,000              | -                    | 1,845,600             | 2,000,000                |
| Asset Maintenance                                      | 3,457,930            | 945,000              | 1,382,000            | 2,768,800            | 3,569,500            | 2,730,200            | 14,853,430            | 8,126,400                |
| Vehicle/Equipment Replacements                         | -                    | 2,109,500            | 1,422,500            | 1,380,500            | 1,354,500            | 1,070,000            | 7,337,000             | 4,504,800                |
|  | <u>20,854,530</u>    | <u>20,268,100</u>    | <u>11,987,700</u>    | <u>21,814,500</u>    | <u>20,539,800</u>    | <u>26,878,500</u>    | <u>122,343,130</u>    | <u>189,477,300</u>       |
| <i>ELECTRIC FUND</i>                                   |                      |                      |                      |                      |                      |                      |                       |                          |
| Electric/Tree Trimming                                 | \$ 1,200,000         | \$ 1,600,000         | \$ 2,102,500         | \$ 1,465,000         | \$ 1,787,500         | \$ 1,400,000         | \$ 9,555,000          | \$ -                     |
| Vehicle/Equipment Replacements                         | -                    | 761,500              | 361,500              | 40,500               | 471,500              | 70,000               | 1,705,000             | 1,168,000                |
| <b>TOTAL USES</b>                                      | <u>\$ 22,054,530</u> | <u>\$ 22,629,600</u> | <u>\$ 14,451,700</u> | <u>\$ 23,320,000</u> | <u>\$ 22,798,800</u> | <u>\$ 28,348,500</u> | <u>\$ 133,603,130</u> | <u>\$ 190,645,300</u>    |
| <b>SOURCES:</b>  |                      |                      |                      |                      |                      |                      |                       |                          |
| <i>GENERAL FUND</i>                                    |                      |                      |                      |                      |                      |                      |                       |                          |
| Current G.O. Referendum - Issued                       | 1,136,000            | -                    | -                    | -                    | -                    | -                    | 1,136,000             | -                        |
| Current G.O. Referendum - Not Yet Issued               | 3,584,000            | 172,000              | -                    | -                    | -                    | -                    | 3,756,000             | -                        |
| Future G.O. Referendum - Estimated - FY 2020           | 1,796,600            | 1,622,700            | 1,428,100            | 7,563,900            | 2,758,650            | 1,120,700            | 16,290,650            | 21,798,860               |
| Future G.O. Referendum - Estimated - FY 2024           | -                    | -                    | -                    | 1,217,000            | 2,198,900            | 10,434,350           | 13,850,250            | 36,456,550               |
| Future Installment Purchase - Other                    | 6,461,100            | 5,480,200            | 5,612,600            | 4,058,800            | 310,400              | 1,059,400            | 22,982,500            | 38,520,100               |
| Future Installment Purchase - Vehicles/Equipment       | -                    | 2,352,000            | 2,615,000            | 1,630,500            | 2,369,500            | 1,070,000            | 10,037,000            | 5,069,800                |
| Grant Funds - Awarded                                  | 5,913,600            | 5,291,400            | 93,700               | 1,081,300            | -                    | -                    | 12,380,000            | -                        |
| Grant Funds - Future Application/Application Submitted | -                    | 684,700              | 150,600              | 2,771,200            | 4,657,050            | 7,534,150            | 15,797,700            | 59,604,790               |
| Capital Reserve Funds                                  | 247,000              | 1,233,000            | 85,900               | -                    | 420,000              | 200,000              | 2,185,900             | 4,213,000                |
| Downtown Municipal Service Districts                   | -                    | 125,000              | -                    | -                    | -                    | -                    | 125,000               | -                        |
| Pay As You Go - User Fees/Other Revenues/Reserves      | -                    | -                    | 20,900               | -                    | -                    | -                    | 20,900                | -                        |
| Special Obligation Bonds                               | -                    | -                    | -                    | -                    | 3,000,000            | 3,000,000            | 6,000,000             | 19,000,000               |
| Other Available Sources (Timing & Amounts TBD)         | 1,716,230            | 3,257,100            | 1,930,900            | 3,441,800            | 4,825,300            | 2,459,900            | 17,631,230            | 4,814,200                |
| <i>ELECTRIC FUND</i>                                   |                      |                      |                      |                      |                      |                      |                       |                          |
| Vehicles/Equipment Installment Purchase                | 400,000              | 761,500              | 361,500              | 205,500              | 546,500              | 70,000               | 2,345,000             | 1,168,000                |
| Pay As You Go - User Fees/Other Revenues/Reserves      | 800,000              | 1,650,000            | 2,152,500            | 1,350,000            | 1,712,500            | 1,400,000            | 9,065,000             | -                        |
| <b>TOTAL SOURCES</b>                                   | <u>\$ 22,054,530</u> | <u>\$ 22,629,600</u> | <u>\$ 14,451,700</u> | <u>\$ 23,320,000</u> | <u>\$ 22,798,800</u> | <u>\$ 28,348,500</u> | <u>\$ 133,603,130</u> | <u>\$ 190,645,300</u>    |

**Reconcile 2014 G.O. Bond Referendum**

|   | <b>Issued</b>        | <b>Unissued</b>     | <b>Total</b>         |
|---|----------------------|---------------------|----------------------|
| CIP Update 2018 - Upcoming Projects       | \$ 1,136,000         | \$ 3,756,000        | \$ 4,892,000         |
| Active Projects:                          |                      |                     |                      |
| Smith and Sanford Creek Greenway          | 1,581,000            | -                   | 1,581,000            |
| Priority Pedestrian Corridors             | 325,000              | 480,000             | 805,000              |
| Dunn Creek Downtown Connector             | 115,500              | -                   | 115,500              |
| Dunn Creek Boardwalk Rehab                | -                    | 200,000             | 200,000              |
| Passive/Active                            | 430,625              | 34,000              | 464,625              |
| Burlington Mills Road Landscape           | 86,500               | -                   | 86,500               |
| W Oak Avenue & Forestville Road Underpass | 168,000              | -                   | 168,000              |
| Forestville Road Underpass                | 67,000               | -                   | 67,000               |
| Traffic Signals                           | 90,000               | -                   | 90,000               |
| Hedrick Property                          | 301,775              | -                   | 301,775              |
| Richland Creek Greenway                   | 28,600               | -                   | 28,600               |
| Ligon Mill Underpass                      | -                    | 250,000             | 250,000              |
| Smith Creek Stream Bank Repair            | -                    | 200,000             | 200,000              |
| Joyner Park                               | 11,100,000           | -                   | 11,100,000           |
| Northern Wake Senior Center               | 3,100,000            | -                   | 3,100,000            |
| Rogers Road                               | 1,650,000            | -                   | 1,650,000            |
|   | <u>\$ 20,180,000</u> | <u>\$ 4,920,000</u> | <u>\$ 25,100,000</u> |

| Function               | General Fund         | Electric Revenues   | Installment Purchase Vehicles | Installment Purchase Other | GO Bond Current-Issued | GO Bond Current - Not Issued | GO Bond Future       | Grants - Awarded     | Grants Application   | Special Obligation Bonds | Capital Reserve     | Futures Fund | Downtown Municipal Service District |                     | Department Total      |
|------------------------|----------------------|---------------------|-------------------------------|----------------------------|------------------------|------------------------------|----------------------|----------------------|----------------------|--------------------------|---------------------|--------------|-------------------------------------|---------------------|-----------------------|
|                        |                      |                     |                               |                            |                        |                              |                      |                      |                      |                          |                     |              | District                            | Other               |                       |
| General Government     | \$ 336,300           | \$ -                | \$ 40,000                     | \$ 12,952,600              | \$ -                   | \$ -                         | \$ 800,000           | \$ 364,100           | \$ -                 | \$ 25,000,000            | \$ 4,913,000        | \$ -         | \$ 125,000                          | \$ 1,237,400        | \$ 45,768,400         |
| Information Technology | 2,900,000            | -                   | -                             | 2,750,000                  | -                      | -                            | -                    | -                    | -                    | -                        | 320,000             | -            | -                                   | -                   | 5,970,000             |
| Public Facilities      | 2,122,200            | -                   | 70,000                        | 42,450,000                 | -                      | -                            | 479,400              | -                    | -                    | -                        | -                   | -            | -                                   | -                   | 45,121,600            |
| Public Safety          | 750,000              | -                   | 1,115,000                     | -                          | -                      | -                            | -                    | -                    | -                    | -                        | -                   | -            | -                                   | -                   | 1,865,000             |
| GTP                    | 2,641,600            | -                   | -                             | 950,000                    | 844,000                | 3,581,000                    | 45,185,610           | 11,999,000           | 70,192,490           | -                        | 365,900             | -            | -                                   | 504,100             | 136,263,700           |
| PRCR                   | 762,100              | -                   | 910,000                       | -                          | -                      | 175,000                      | 32,817,400           | -                    | 1,000,000            | -                        | 800,000             | -            | -                                   | -                   | 36,464,500            |
| Electric               | -                    | 8,915,000           | 640,000                       | -                          | -                      | -                            | -                    | -                    | -                    | -                        | -                   | -            | -                                   | -                   | 9,555,000             |
| Environmental Services | 440,600              | -                   | 405,000                       | -                          | -                      | -                            | 3,000,000            | -                    | -                    | -                        | -                   | -            | -                                   | -                   | 3,845,600             |
| Fleet Maintenance      | 245,000              | -                   | -                             | -                          | -                      | -                            | -                    | -                    | -                    | -                        | -                   | -            | -                                   | -                   | 245,000               |
| Streets                | 580,000              | 150,000             | 725,000                       | -                          | -                      | -                            | -                    | -                    | -                    | -                        | -                   | -            | -                                   | -                   | 1,455,000             |
| Asset Maintenance      | 7,702,030            | -                   | -                             | 2,400,000                  | 292,000                | -                            | 6,113,900            | 16,900               | 4,210,000            | -                        | -                   | -            | -                                   | 2,245,000           | 22,979,830            |
| Vehicle Replacements   | -                    | -                   | 14,714,800                    | -                          | -                      | -                            | -                    | -                    | -                    | -                        | -                   | -            | -                                   | -                   | 14,714,800            |
| <b>Total</b>           | <b>\$ 18,479,830</b> | <b>\$ 9,065,000</b> | <b>\$ 18,619,800</b>          | <b>\$ 61,502,600</b>       | <b>\$ 1,136,000</b>    | <b>\$ 3,756,000</b>          | <b>\$ 88,396,310</b> | <b>\$ 12,380,000</b> | <b>\$ 75,402,490</b> | <b>\$ 25,000,000</b>     | <b>\$ 6,398,900</b> | <b>\$ -</b>  | <b>\$ 125,000</b>                   | <b>\$ 3,986,500</b> | <b>\$ 324,248,430</b> |

**Bond Projects Fully Funded (removed from update):**

**Street and Sidewalk Improvements**

|   |           |         |
|---|-----------|---------|
| Ligon Mill Road Operational Improvements    | -         | -       |
| W. Oak Avenue & Forestville Underpass       | 168,000   | -       |
| Forestville Road Pedestrian Underpass       | 67,000    | -       |
| Traffic Signals                             | 90,000    | -       |
| Rogers Road Widening & Pedestrian Underpass | 1,650,000 | -       |
| Priority Pedestrian Corridors               | 325,000   | 480,000 |
| Ligon Mill Underpass                        | -         | 250,000 |
| Burlington Mills Road Landscape             | 86,500    | -       |

**Parks & Recreation**

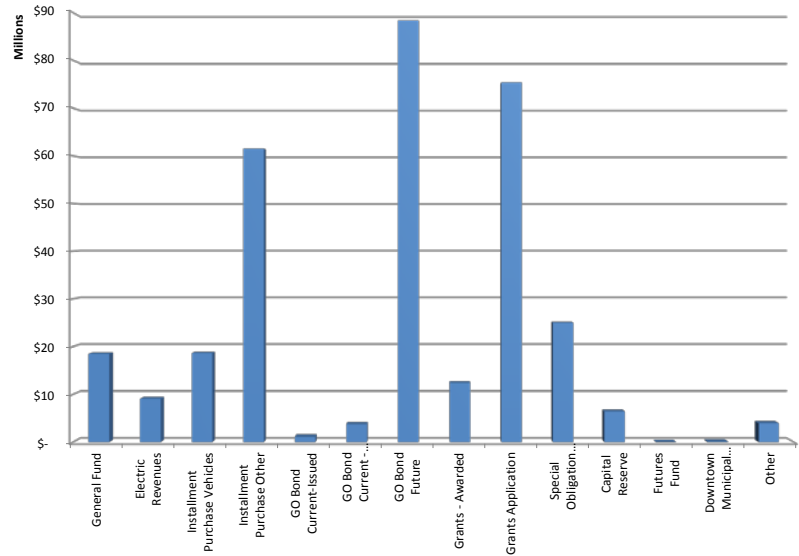
|                             |            |   |
|-----------------------------|------------|---|
| Joyner Park                 | 11,100,000 | - |
| Northern Wake Senior Center | 3,100,000  | - |

**Greenways**

|  |           |         |
|--|-----------|---------|
| Smith and Sanford Creek Greenway         | 1,581,000 | -       |
| Dunn Creek Greenway - Boardwalk Rehab    | -         | 200,000 |
| Dunn Creek Greenway - Greenway Connector | 115,500   | -       |
| Passive/Active Greenways                 | 430,625   | 34,000  |
| Smith Creek Greenway Stream Repair       | -         | 200,000 |
| Richland Creek Greenway                  | 28,600    | -       |
| Hedrick Property                         | 301,775   | -       |

Subtotal 19,044,000 1,164,000

\$ 20,180,000 \$ 4,920,000



Capital Improvement Plan  
**FUNDING LEVEL SUMMARY**  
 FISCAL YEAR 2019-2020

| PAGE                 | DEPARTMENT/Division    | PROJECT DESCRIPTION                                 | PRIORITY TYPE | 1ST YEAR CAPITAL COST | EXTERNAL FUNDING | FISCALLY CONSTRAINED |
|----------------------|------------------------|---|---------------|-----------------------|------------------|----------------------|
| <u>LEVEL A</u>       |                        |   |               |                       |                  |                      |
| GG-2                 | General Government     | Downtown Streetscape Improvements                   | H-2           | \$ 3,830,200          | \$ 3,830,200     | \$ -                 |
| GG-3                 | General Government     | Construction of Fire Station #6 and Apparatus       | H-1           | 1,200,000             | 1,200,000        | -                    |
| PF-2                 | Public Facilities      | ADA Improvements for Compliance                     | H-1           | 25,000                | -                | 25,000               |
| ES-1                 | Environmental Services | North White Street Landfill                         | H-1           | 125,000               | -                | 125,000              |
| AM-4                 | Asset Maintenance      | Town Hall   | H-2           | 100,000               | -                | 100,000              |
| <b>TOTAL LEVEL A</b> |                        |   |               | <b>5,280,200</b>      | <b>5,030,200</b> | <b>250,000</b>       |
| <u>LEVEL B:</u>      |                        |   |               |                       |                  |                      |
| GG-1                 | General Government     | Ailey Young Rehabilitation                          | L-2           | 134,000               | -                | 134,000              |
| GG-4                 | General Government     | Wait Avenue Closing                                 | M-3           | 75,000                | -                | -                    |
| GG-5                 | General Government     | Downtown Furnishings, Lighting and Landscape        | M-3           | 50,000                | -                | -                    |
| IT-1                 | Information Technology | Fiber Infrastructure Project                        | H-4           | 2,210,000             | -                | 110,000              |
| IT-2                 | Information Technology | Hardware/Software Upgrades and Enhancements         | M-3           | 110,000               | -                | 110,000              |
| IT-3                 | Information Technology | Server Virtualization Platform: HCI                 | M-4           | 275,000               | -                | 275,000              |
| PF-1                 | Public Facilities      | Public Works Operations Center                      | M-2           | 175,000               | -                | 175,000              |
| PF-3                 | Public Facilities      | Vehicle Additions                                   | M-3           | 30,000                | -                | -                    |
| PF-4                 | Public Facilities      | Evidence Room at Main Police Station                | M-3           | 15,200                | -                | 15,200               |
| PF-5                 | Public Facilities      | Emergency Generator - 317 Brooks St.                | M-3           | 35,000                | -                | 35,000               |
| T-1                  | GTP                    | Stadium Drive Complete Streets                      | H-3           | 2,719,400             | 2,719,400        | -                    |
| T-2                  | GTP                    | Roadway - Ligon Mill Operational Improvements       | H-3           | 2,966,500             | 2,321,800        | -                    |
| T-3                  | GTP                    | Roadway Connections                                 | H-3           | 300,000               | 33,000           | 267,000              |
| T-4                  | GTP                    | Durham Road Operational Improvements                | H-3           | 1,477,200             | 988,800          | -                    |
| T-5                  | GTP                    | Smith Creek Greenway (Phase 3)                      | H-3           | 168,200               | 122,300          | 45,900               |
| T-6                  | GTP                    | Smith Creek Greenway (Phase 2)                      | H-3           | 345,400               | 221,500          | -                    |
| T-7                  | GTP                    | West Holding Avenue                                 | M-3           | 50,000                | -                | 50,000               |
| T-8                  | GTP                    | Dunn Creek Greenway (Phase 3)                       | H-3           | 20,000                | -                | 20,000               |
| T-9                  | GTP                    | Harris Road Extension/Northside Loop                | H-3           | 100,000               | 100,000          | -                    |
| T-10                 | GTP                    | Traffic/Pedestrian Signals                          | M-3           | 75,000                | 40,000           | 35,000               |
| PRCR-1               | PRCR                   | Installation of Irrigation and Sod at Flaherty Park | M-2           | 115,000               | -                | 115,000              |
| PRCR-2               | PRCR                   | Vehicle Additions                                   | M-3           | 90,000                | -                | -                    |
| PRCR-3               | PRCR                   | Skid Steer Loader                                   | M-3           | 60,000                | -                | -                    |
| PRCR-4               | PRCR                   | 5-Unit Reel Mower (Trim Cut)                        | M-3           | 62,500                | -                | -                    |
| PRCR-5               | PRCR                   | Dog Park Upgrade                                    | M-3           | 225,000               | -                | 225,000              |
| S-1                  | Streets                | Town Roadway Lighting                               | M-3           | 50,000                | -                | 50,000               |
| S-2                  | Streets                | Transportation New Sidewalk Projects                | M-3           | 100,000               | -                | 100,000              |
| VR                   | General Government     | Vehicle Replacements                                | M-3           | 2,109,500             | -                | -                    |
| E-1                  | Electric               | New Electric Building Location                      | M-3           | 500,000               | -                | 500,000              |
| E-2                  | Electric               | Line Construction/System Improvements               | M-2           | 1,100,000             | -                | 1,100,000            |
| VR                   | Electric               | Vehicle Replacements                                | M-2           | 761,500               | -                | -                    |
| AM-1                 | Asset Maintenance      | Transportation Sidewalk Repairs                     | M-2           | 100,000               | -                | 100,000              |
| AM-2                 | Asset Maintenance      | Street Maintenance and Resurfacing                  | M-2           | 100,000               | -                | 100,000              |
| AM-3                 | Asset Maintenance      | Stormwater Infrastructure Maintenance and Funding   | M-2           | 300,000               | -                | 300,000              |
| AM-5                 | Asset Maintenance      | Sports/Athletic Field Playing Soccer Surface Repair | M-2           | 60,000                | -                | 60,000               |
| AM-6                 | Asset Maintenance      | Athletic Court Construction                         | M-2           | 85,000                | -                | 85,000               |
| AM-7                 | Asset Maintenance      | Athletic Fields Fence Replacement                   | M-2           | 150,000               | -                | 150,000              |
| AM-8                 | Asset Maintenance      | Metal Roof Replacement - Police Department          | M-2           | 50,000                | -                | 50,000               |
| <b>TOTAL LEVEL B</b> |                        |   |               | <b>17,349,400</b>     | <b>6,546,800</b> | <b>4,207,100</b>     |

Capital Improvement Plan  
**FUNDING LEVEL SUMMARY**  
 FISCAL YEAR 2019-2020

| PAGE | DEPARTMENT/Division | PROJECT DESCRIPTION  | PRIORITY<br>TYPE | 1ST YEAR<br>CAPITAL<br>COST | EXTERNAL<br>FUNDING  | FISCALLY<br>CONSTRAINED |
|------|---------------------|----------------------|------------------|-----------------------------|----------------------|-------------------------|
|      |                     | <u>LEVEL C:</u>      |                  | -                           | -                    | -                       |
|      |                     | <b>TOTAL LEVEL C</b> |                  | -                           | -                    | -                       |
|      |                     | <b>GRAND TOTALS</b>  |                  | <u>\$ 22,629,600</u>        | <u>\$ 11,577,000</u> | <u>\$ 4,457,100</u>     |

\*External funding represents **ONLY** amounts that have been secured or officially awarded to the Town (i.e. Grants Awarded and Authorized Bond Funding). Projects with bond authorization funding will be presented until the debt is actually issued.

|   |                     |
|---|---------------------|
| General Fund - 5 Year Average - Fiscally Constrained  | \$ 2,366,870        |
| Electric Fund - 5 Year Average - Fiscally Constrained | 1,430,500           |
|   | <u>\$ 3,797,370</u> |

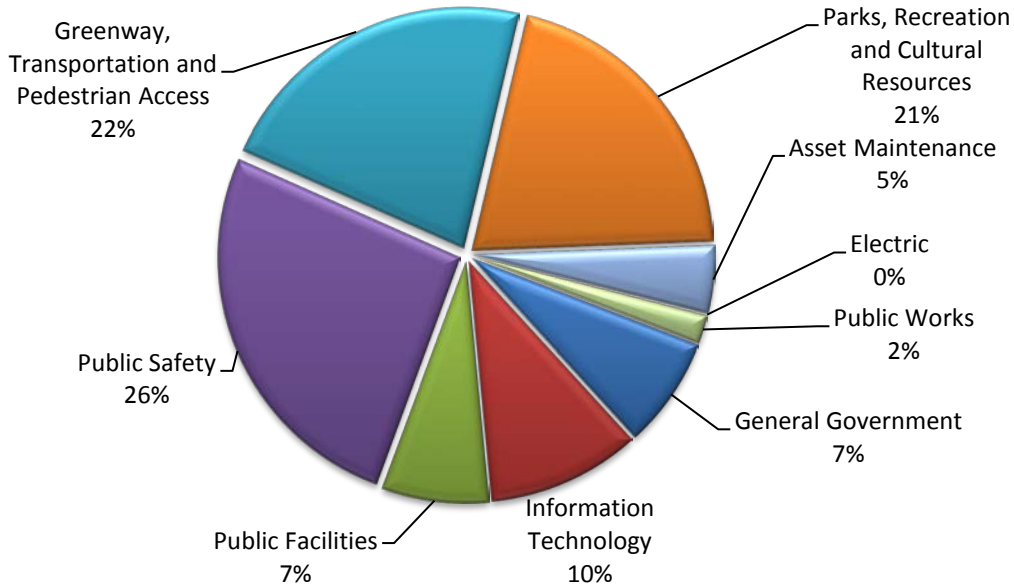
## FY 2019 – 2024 Capital Improvements Plan Update

### Projected Impact on Operations

An important factor to consider when developing a capital improvements plan is the financial impact that the proposed projects will have on the Town’s operating budget. While some projects will have little to no staffing or operating impact, others may bear significant additional annual costs. These costs include, but are not limited to: debt service (principal and interest), additional staffing, fuel, maintenance and repair, utility services, contract/service agreements and supplies. It is, however, important to keep in mind that while some projects add to the cost of operations, there are projects which will provide a cost savings benefit to the town (i.e. energy efficiency). In developing these projections town staff have taken both of these into consideration.

| FUNCTION                                       | 2019-2020    | 2020-2021    | 2021-2022    | 2022-2023     | 2023-2024     | Total         |
|--|--------------|--------------|--------------|---------------|---------------|---------------|
| General Government                             | 988,500      | 1,365,750    | 1,663,500    | 2,001,500     | 2,250,250     | 8,269,500     |
| Information Technology                         | 697,750      | 698,000      | 698,250      | 698,000       | 698,000       | 3,490,000     |
| Public Facilities                              | 9,300        | 25,300       | 729,300      | 1,437,300     | 1,423,300     | 3,624,500     |
| Public Safety                                  | 1,250        | 581,250      | 697,500      | 1,361,250     | 1,452,500     | 4,093,750     |
| Greenway, Transportation and Pedestrian Access | 153,000      | 568,000      | 1,458,000    | 2,388,000     | 2,638,000     | 7,205,000     |
| Parks, Recreation and Cultural Resources       | -            | 208,750      | 387,500      | 440,000       | 358,750       | 1,395,000     |
| Public Works                                   | 75,000       | 185,500      | 185,500      | 296,000       | 296,000       | 1,038,000     |
| Electric                                       | 125,000      | 616,000      | 732,500      | 833,500       | 1,183,500     | 3,490,500     |
| Streets  | -            | -            | 85,000       | 185,000       | 95,000        | 365,000       |
| Asset Maintenance                              | 500,000      | 577,500      | 837,500      | 925,000       | 835,000       | 3,675,000     |
|  | -            | -            | -            | -             | -             | -             |
|  | \$ 2,549,800 | \$ 4,826,050 | \$ 7,474,550 | \$ 10,565,550 | \$ 11,230,300 | \$ 36,646,250 |

### 5 Year Impact on Operations by Function



The data above displays the projected additional cost of operations over the next five years related to the current capital improvement submissions. The majority of the impact on operations is for the additional debt service which is related to the current bond authorization, as well potential future bond referendums and other debt issuance (i.e. installment purchase agreements).

**Town of Wake Forest  
Debt Overview  
As of: December 31, 2018**

**General Fund**

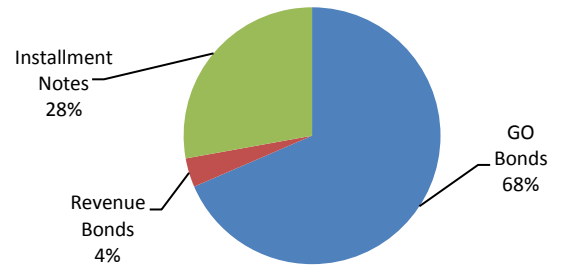
|                          |                   |
|--------------------------|-------------------|
| Installment Purchase     | \$ 11,277,819     |
| General Obligation Bonds | <u>29,117,000</u> |
| Total Tax-Supported Debt | <u>40,394,819</u> |

**Electric Fund**

|                      |           |
|----------------------|-----------|
| Revenue Bonds        | 1,551,740 |
| Installment Purchase | 549,807   |

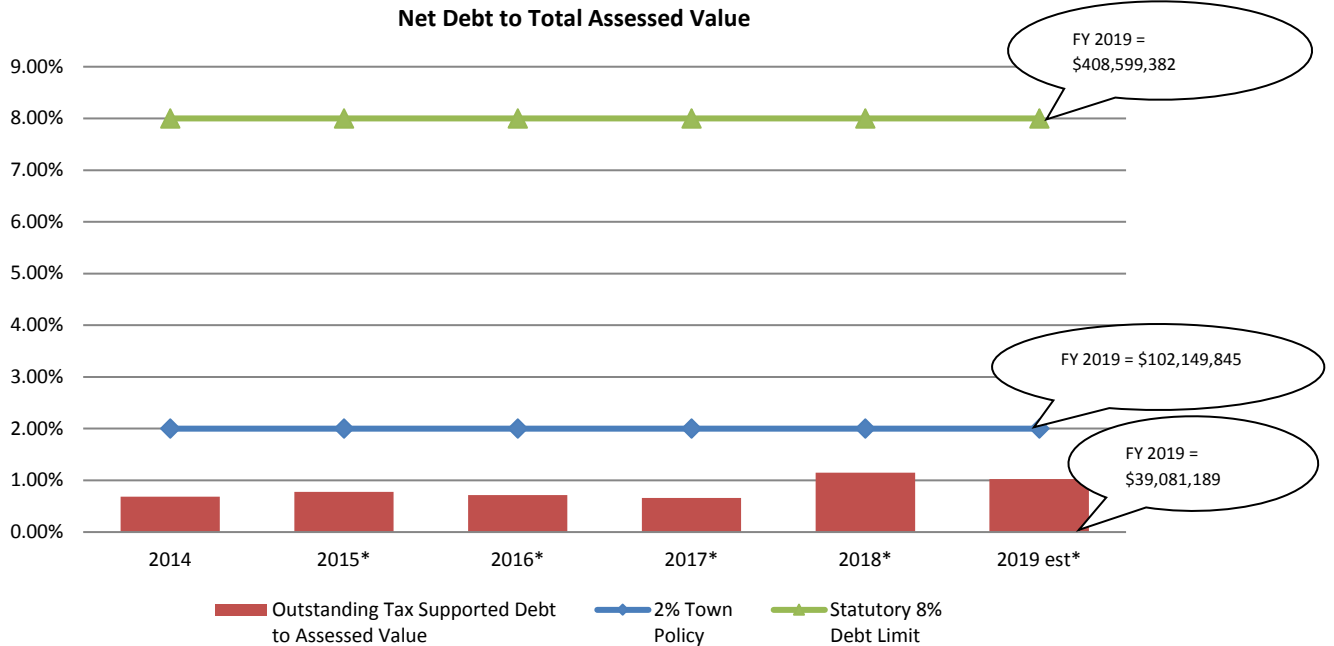
**Total Debt Outstanding** \$42,496,365

**Outstanding Debt by Type of Issue**



\*Authorized but Unissued General Obligation Bonds \$4,920,000

\*\*Legal Debt Margin at June 30, 2018 is \$351,068,320



Capital Improvement Plan  
GENERAL GOVERNMENT SUMMARY - BY PROJECT

| PROJECT TITLE                                  | PRIORITY TYPE | PRIOR TO JULY 2019  | 2019-2020           | 2020-2021           | 2021-2022           | 2022-23             | 2023-24             | FUTURE YEARS         | TOTALS               |
|--|---------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|
|  |               |                     |                     |                     |                     |                     |                     |                      |                      |
| 1 Ailey Young House Rehabilitation             | L - 2         | \$ 169,500          | \$ 134,000          | \$ -                | \$ -                | \$ -                | \$ -                | \$ -                 | 303,500              |
| 2 Downtown Streetscape Improvements            | H - 2         | 2,705,600           | 3,830,200           | 1,133,500           | 4,058,800           | 310,400             | 1,059,400           | 1,289,000            | 14,386,900           |
| 3 Construction of Fire Station and Apparatus   | H - 1         | -                   | 1,200,000           | -                   | -                   | -                   | -                   | 3,713,000            | 4,913,000            |
| 4 Wait Avenue Closing                          | M - 3         | -                   | 75,000              | -                   | -                   | -                   | -                   | -                    | 75,000               |
| 5 Downtown Furnishings, Lighting & Landscaping | M - 3         | -                   | 50,000              | -                   | -                   | -                   | -                   | -                    | 50,000               |
| 6 Vehicle Addition - Community Development     | M - 3         | -                   | -                   | 40,000              | -                   | -                   | -                   | -                    | 40,000               |
| 7 Downtown Interactive Water Feature           | M - 3         | -                   | -                   | -                   | 50,000              | 750,000             | -                   | -                    | 800,000              |
| 8 Site Aquisition and Development              | H - 4         | -                   | -                   | -                   | -                   | 3,000,000           | 3,000,000           | 19,000,000           | 25,000,000           |
| 9 Branding of Downtown Water Tower             | M - 3         | -                   | -                   | -                   | -                   | -                   | 200,000             | -                    | 200,000              |
| <b>TOTALS</b>                                  |               | <b>\$ 2,875,100</b> | <b>\$ 5,289,200</b> | <b>\$ 1,173,500</b> | <b>\$ 4,108,800</b> | <b>\$ 4,060,400</b> | <b>\$ 4,259,400</b> | <b>\$ 24,002,000</b> | <b>\$ 45,768,400</b> |

Priority definitions: H High  
M Medium  
L Low

Program type: 1 Health/Safety/Welfare  
2 Maintenance/Replacement  
3 Existing programs expansion  
4 New programs expansion

Note: Wake Forest Fire Department funding is determined by the Board of Commissioners, which explains reporting in General Government.

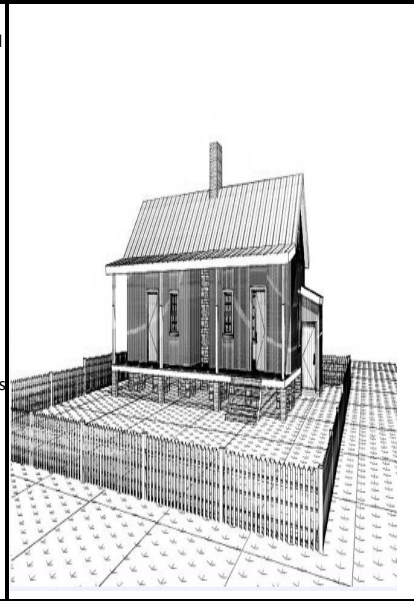


**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                                     |  |                                     |
|-------------------------------------|--|-------------------------------------|
| <b>DEPARTMENT</b><br>Administration | <b>PROJECT MANAGER</b><br>Michelle Michael | <b>DEPARTMENTAL PRIORITY</b><br>Low |
|-------------------------------------|--|-------------------------------------|

|   |                                     |                                 |
|---|-------------------------------------|---------------------------------|
| <b>PROJECT TITLE</b><br><br><i>Ailey Young House Rehabilitation</i> | <b>TYPE OF PROJECT</b>              |                                 |
|   | <input type="checkbox"/>            | 1 - Health/Safety/Welfare       |
|   | <input checked="" type="checkbox"/> | 2 - Maintenance/Replacement     |
|   | <input type="checkbox"/>            | 3 - Existing Programs Expansion |
|   | <input type="checkbox"/>            | 4 - New Program                 |

**PROJECT DESCRIPTION**  
The Ailey Young House is a designated historic landmark owned by the Town of Wake Forest. The building is in need of stabilization and rehabilitation. The Senior Planner with the Wake Forest Historic Preservation Commission has developed a Preservation Plan for the building which includes a phased approach to the stabilization and rehabilitation. The total project is expected to take five to ten years. The product will be a rare African American historic resource that provides the community with important historical information about Wake Forest's African American Community from 1875 as well as the history of the locally significant Young family. Although the department priority is low, staff asks to consider elevating the priority because over 30 % of the estimated construction cost has been invested in stabilizing the structure in preparation for a roof. Failure to provide a roof will ultimately cause damage to the work that has been done and loss of the investment made in the last 24 months.



**JUSTIFICATION**  
The Ailey Young House is a historic landmark owned by the Town of Wake Forest. The house is significant architecturally as a rare extant example of African American Housing during the Reconstruction period. It is also significant as the home of Ailey Young, who raised her children in the house including her eldest, Allen. Allen Young would grow up to be the founder of the first school in Wake Forest for African American children. The Young school is no longer extant. Allen's daughter, Ailey Mae went on to become the first African American woman Commissioner for the Town of Wake Forest. This building is a testament to the legacy of the Young family. It has the potential to educate present and future generations about African American life during reconstruction and the important work of the Young family through the generations. Rehabilitating the house to the standards of the Joyner Park buildings provides tangible evidence as to the era in Wake Forest history.

**PROJECT ALTERNATIVES**

|     |
|-----|
| N/A |
|-----|

**OPERATING IMPACT/OTHER COMMENTS**  
Costs include building rehabilitation, archaeology, reconstructing the porch, site and landscape design, site work to include access, parking, and fencing. Other includes public education and outreach. Costs are contingent on receipt of grants and approval from the Historic Pres. Commission.

|                               |                        |
|-------------------------------|------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2017 |
| <i>Funds Approved to Date</i> | \$ 68,632              |
| <i>Funds Expended to Date</i> | \$ 46,409              |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------------|-------------|-------------|-------------|-------------|--------------|
| Construction               | \$ 131,800         | \$ 110,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
| Equipment                  | 3,200              | 12,000            | -           | -           | -           | -           | -            |
| Planning & Engineering     | 23,000             | 12,000            | -           | -           | -           | -           | -            |
| Other                      | 11,500             | -                 | -           | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ 169,500</b>  | <b>\$ 134,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)                | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------------|--------------------|-------------------|-------------|-------------|-------------|-------------|--------------|
| General Fund                     | \$ 2,300           | \$ 134,000        |             | \$ -        | \$ -        | \$ -        | \$ -         |
| Historic Preservation Commission | 24,600             | -                 | -           | -           | -           | -           | -            |
| Grants - CLG Awarded             | 19,600             | -                 | -           | -           | -           | -           | -            |
| Grants - NCDCCR Awarded          | 100,000            | -                 | -           | -           | -           | -           | -            |
| In Kind Donation*                | 2,700              | -                 | -           | -           | -           | -           | -            |
| Donations**                      | 20,300             |                   |             |             |             |             |              |
| <b>Total Funding Sources</b>     | <b>\$ 169,500</b>  | <b>\$ 134,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST: \$ 303,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|                                     |   |                                      |
|-------------------------------------|---|--------------------------------------|
| <b>DEPARTMENT</b><br>Administration | <b>PROJECT MANAGER</b><br>Candace Davis | <b>DEPARTMENTAL PRIORITY</b><br>High |
|-------------------------------------|---|--------------------------------------|

|   |  |  |                          |   |                             |  |                                 |  |                 |
|---|--|--|--------------------------|---|-----------------------------|--|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Downtown Streetscape Improvements | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td></td><td>1 -Health/Safety/Welfare</td></tr> <tr><td align="center">X</td><td>2 - Maintenance/Replacement</td></tr> <tr><td></td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> |  | 1 -Health/Safety/Welfare | X | 2 - Maintenance/Replacement |  | 3 - Existing Programs Expansion |  | 4 - New Program |
|   | 1 -Health/Safety/Welfare   |  |                          |   |                             |  |                                 |  |                 |
| X   | 2 - Maintenance/Replacement  |  |                          |   |                             |  |                                 |  |                 |
|   | 3 - Existing Programs Expansion  |  |                          |   |                             |  |                                 |  |                 |
|   | 4 - New Program  |  |                          |   |                             |  |                                 |  |                 |

**PROJECT DESCRIPTION**  
Project will include widened sidewalks, ADA accessibility with ramps, tree pits and soil amendments, street trees and furniture, and architectural pedestrian scaled lighting.

1) S. White Street, 2) E. Owen Avenue, 3) E. Jones Avenue, 4) Wait Avenue, 5) Brooks Street 6) N. White Street, 7) Front Street Intersection

**JUSTIFICATION**  
This project is one of the recommended projects in the Renaissance Plan for Downtown Wake Forest (2016) and the Strategic Plan Update (2017-2022). This supports the shopping environment in downtown Wake Forest and preserve small town character with wide and accessible sidewalks to accommodate sidewalk cafes, strollers, disabled, and elderly patrons. Improvements on these streets will continue the cohesive look of the Renaissance Area, as well as serve to increase the economic vitality of these areas.



**PROJECT ALTERNATIVES**

The downtown streetscape work program is divided into five sections:  
 1A – South White Street: East Holding Avenue to Elm Avenue  
 1B – East Owen Avenue: South White Street to Brooks Street  
 2A - Brooks Street: East Roosevelt Ave (NC98 BUS) to Dollar General  
 2B– East Jones Avenue: South White Street to Taylor Street  
 3A - Front Street Intersection: NC98 (Roosevelt Ave), South Ave, Front Street Intersection  
 3B – Wait Avenue: South White Street to Brooks Street  
 4 - North White Street: Northside of CVS to East Spring Street  
 5 - Front Street Intersection: NC 98 (Roosevelt Ave), South Ave, Front Street Intersection

**OPERATING IMPACT/OTHER COMMENTS**

\*Operating costs after completion for maintenance and landscaping.

\*\$692,400 estimate for Powerhouse Row, LLC work along development frontage.

\*Cost estimates include under-grounding of existing overhead power.

|                        |                        |
|------------------------|------------------------|
| <b>PROJECT STATUS</b>  | Continuation - FY 2017 |
| Funds Approved to Date | \$ 4,744,500           |
| Funds Expended to Date | \$ 466,823             |

| CAPITAL COST BREAKDOWN     | Prior to July 2019  | 2019-20             | 2020-21             | 2021-22             | 2022-23           | 2023-24             | Future Years        |
|----------------------------|---------------------|---------------------|---------------------|---------------------|-------------------|---------------------|---------------------|
| Planning & Engineering     | \$ 685,000          | \$ -                | \$ 758,800          | \$ -                | \$ 218,400        | \$ -                | \$ 187,200          |
| Purchase                   | 135,000             | -                   | 140,000             | -                   | 20,000            | -                   | 25,000              |
| Construction               | 1,594,500           | 3,526,600           | -                   | 3,793,800           | -                 | 979,800             | 935,700             |
| Contingency -- CEI         | 265,700             | 265,700             | 224,800             | 224,800             | 69,100            | 69,100              | 128,600             |
| Other - PAC 1%             | 25,400              | 37,900              | 9,900               | 40,200              | 2,900             | 10,500              | 12,500              |
| <b>Total Project Costs</b> | <b>\$ 2,705,600</b> | <b>\$ 3,830,200</b> | <b>\$ 1,133,500</b> | <b>\$ 4,058,800</b> | <b>\$ 310,400</b> | <b>\$ 1,059,400</b> | <b>\$ 1,289,000</b> |

| FUNDING SOURCE(S)             | Prior to July 2019  | 2019-20             | 2020-21             | 2021-22             | 2022-23           | 2023-24             | Future Years        |
|-------------------------------|---------------------|---------------------|---------------------|---------------------|-------------------|---------------------|---------------------|
| Grants - Awarded              | 244,500             | -                   | -                   | -                   | -                 | -                   | -                   |
| Installment Purchase - 2019   | 2,461,100           | 2,038,900           | -                   | -                   | -                 | -                   | -                   |
| Future Installment Purchase   | -                   | 1,341,300           | 1,112,600           | 4,058,800           | 310,400           | 1,059,400           | 570,100             |
| Other - PILOT; developer fees | -                   | 450,000             | 20,900              | -                   | -                 | -                   | 718,900             |
| <b>Total Funding Sources</b>  | <b>\$ 2,705,600</b> | <b>\$ 3,830,200</b> | <b>\$ 1,133,500</b> | <b>\$ 4,058,800</b> | <b>\$ 310,400</b> | <b>\$ 1,059,400</b> | <b>\$ 1,289,000</b> |

**TOTAL PROJECT COST: \$ 14,386,900**


**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|  |                                     |                                      |
|--|-------------------------------------|--------------------------------------|
| <b>DEPARTMENT</b><br>Wake Forest Fire Department | <b>PROJECT MANAGER</b><br>Ron Early | <b>DEPARTMENTAL PRIORITY</b><br>High |
|--|-------------------------------------|--------------------------------------|

|  |   |   |                          |  |                             |  |                                 |  |                 |
|--|---|---|--------------------------|--|-----------------------------|--|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Construction of Fire Station #6 and Apparatus</i> | <b>TYPE OF PROJECT</b>  |   |                          |  |                             |  |                                 |  |                 |
|  | <table border="1"> <tr><td>X</td><td>1 -Health/Safety/Welfare</td></tr> <tr><td></td><td>2 - Maintenance/Replacement</td></tr> <tr><td></td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> | X | 1 -Health/Safety/Welfare |  | 2 - Maintenance/Replacement |  | 3 - Existing Programs Expansion |  | 4 - New Program |
| X  | 1 -Health/Safety/Welfare  |   |                          |  |                             |  |                                 |  |                 |
|  | 2 - Maintenance/Replacement   |   |                          |  |                             |  |                                 |  |                 |
|  | 3 - Existing Programs Expansion   |   |                          |  |                             |  |                                 |  |                 |
|  | 4 - New Program   |   |                          |  |                             |  |                                 |  |                 |

**PROJECT DESCRIPTION**  
Plans are to put a second staffed ladder company within the Town limits in FY 2020. Based on growth trends in population and buildings, we will need to construct an additional station (#6) and add a staffed Engine Company approximately FY 2024 -2026.

**JUSTIFICATION**  
Based on a recent ISO classification, we have a need for additional ladder companies because of the amount of tall buildings within the Town limits. The station that the ladder will be located is already in place. We are evaluating growth trends and response times throughout the Town and based on those trends it will be necessary to add an additional Station on the North/East or East side of the Town. As part of our evaluation process we will be able to determine the best location and timing of when the station will need to be constructed.



|                                    |  |
|------------------------------------|--|
| <b>PROJECT ALTERNATIVES</b><br>N/A | <b>OPERATING IMPACT/OTHER COMMENTS</b><br>The project will be completed using mostly fire impact fees, loans and tax revenues. The Ladder Company should be in place in FY 2020. The next station and Engine should be in place FY 2024-2026. We hope that impact will cover the cost of apparatus and the building. Personnel cost will be evaluated. |
|------------------------------------|--|

|                               |                        |
|-------------------------------|------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2017 |
| <i>Funds Approved to Date</i> | \$ -                   |
| <i>Funds Expended to Date</i> | \$ -                   |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20             | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|----------------------------|--------------------|---------------------|-------------|-------------|-------------|-------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -                | \$ -        | \$ -        | \$ -        | \$ -        | \$ 200,000          |
| Construction               | -                  | -                   | -           | -           | -           | -           | 2,900,000           |
| Equipment                  | -                  | 1,200,000           | -           | -           | -           | -           | 613,000             |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 1,200,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 3,713,000</b> |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20             | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|------------------------------|--------------------|---------------------|-------------|-------------|-------------|-------------|---------------------|
| Fire Impact Fees             | \$ -               | \$ 1,200,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 3,713,000        |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 1,200,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 3,713,000</b> |

**TOTAL PROJECT COST: \$ 4,913,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |                                      |  |
|---|--------------------------------------|--|
| <b>DEPARTMENT</b><br>Downtown Development | <b>PROJECT MANAGER</b><br>Lisa Hayes | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--------------------------------------|--|

|   |  |                           |                             |  |                 |
|---|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Wait Avenue Closing | <b>TYPE OF PROJECT</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>x</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>x</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare                       |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement                     |  |                           |                             |  |                 |
| <b>x</b> 3 - Existing Programs Expansion        |  |                           |                             |  |                 |
| 4 - New Program                                 |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
Close Wait Avenue between Brooks and Roosevelt to create a larger block for either parking or redevelopment.

**JUSTIFICATION**  
This project is identified in the Renaissance Plan Update (2016) as a " Top 10 in 5 Years" project. The current street has very little traffic and is not advantageous to the downtown street network. Closing of this portion of Wait Avenue would allow for a positive use of this area.



**PROJECT ALTERNATIVES**  
Continuation of present use of Wait Avenue.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Cost estimate based on selected vendor's estimated cost range for project. Will get firmer estimates as project gets closer.

**PROJECT STATUS**

|                                  |
|----------------------------------|
| Continuation - FY 2019           |
| Funds Approved to Date      \$ - |

Funds Expended to Date      \$ -

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20   | 2020-21 | 2021-22 | 2022-23 | 2023-2024 | Future Years |
|----------------------------|--------------------|-----------|---------|---------|---------|-----------|--------------|
| Construction               | \$ -               | \$ 75,000 | \$ -    | \$ -    | \$ -    | \$ -      | \$ -         |
| <b>Total Project Costs</b> | \$ -               | \$ 75,000 | \$ -    | \$ -    | \$ -    | \$ -      | \$ -         |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20   | 2020-21 | 2021-22 | 2022-23 | 2023-2024 | Future Years |
|------------------------------|--------------------|-----------|---------|---------|---------|-----------|--------------|
| DMSD                         | \$ -               | \$ 75,000 | \$ -    | \$ -    | \$ -    | \$ -      | \$ -         |
| <b>Total Funding Sources</b> | \$ -               | \$ 75,000 | \$ -    | \$ -    | \$ -    | \$ -      | \$ -         |

**TOTAL PROJECT COST:**      **\$ 75,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |                                      |  |
|---|--------------------------------------|--|
| <b>DEPARTMENT</b><br>Downtown Development | <b>PROJECT MANAGER</b><br>Lisa Hayes | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--------------------------------------|--|

|   |  |
|---|--|
| <b>PROJECT TITLE</b><br><br><i>Downtown Furnishings, Lighting and Landscaping</i> | <b>TYPE OF PROJECT</b>                   |
|   | 1 - Health/Safety/Welfare                |
|   | 2 - Maintenance/Replacement              |
|   | <b>X</b> 3 - Existing Programs Expansion |
|   | 4 - New Program                          |

**PROJECT DESCRIPTION**  
Layer the downtown environment incrementally with additional furnishings, lighting and landscaping.

**JUSTIFICATION**  
This project is identified in the Renaissance Plan Update (2016) as a general downtown practice. Benches, lighting, planters, and other furnishings make the area pedestrian friendly and assist in attracting visitors which will increase the economic vitality of the Renaissance Area.



**PROJECT ALTERNATIVES**  
Continuation of adding benches and lighting as we progress with the Downtown Streetscape project.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Cost estimate based on vendor's estimated cost range for project. Will get firmer estimates as project gets closer.  
\*Maintenance costs will be low, but replacement costs will vary based on life of equipment purchased.

**PROJECT STATUS**

|                               |                        |
|-------------------------------|------------------------|
| <i>Funds Approved to Date</i> | Continuation - FY 2019 |
| \$                            | -                      |

*Funds Expended to Date*      \$ -

| CAPITAL COST BREAKDOWN | Prior to July 2019 | 2019-20   | 2020-21 | 2021-22 | 2022-2023 | 2023-2024 | Future Years |
|------------------------|--------------------|-----------|---------|---------|-----------|-----------|--------------|
| Purchase               | \$ -               | \$ 50,000 | \$ -    | \$ -    | \$ -      | \$ -      | \$ -         |
| Total Project Costs    | \$ -               | \$ 50,000 | \$ -    | \$ -    | \$ -      | \$ -      | \$ -         |

| FUNDING SOURCE(S)     | Prior to July 2019 | 2019-20   | 2020-21 | 2021-22 | 2022-2023 | 2023-2024 | Future Years |
|-----------------------|--------------------|-----------|---------|---------|-----------|-----------|--------------|
| DMSD                  | \$ -               | \$ 50,000 | \$ -    | \$ -    | \$ -      | \$ -      | \$ -         |
| Total Funding Sources | \$ -               | \$ 50,000 | \$ -    | \$ -    | \$ -      | \$ -      | \$ -         |

**TOTAL PROJECT COST:**      **\$ 50,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|  |  |  |
|--|--|--|
| <b>DEPARTMENT</b><br>Community Development | <b>PROJECT MANAGER</b><br>Brendie Vega | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--|--|--|

|  |  |                           |                             |  |                 |
|--|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Vehicle Addition - Community Development | <b>TYPE OF PROJECT</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare  |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement  |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion                             |  |                           |                             |  |                 |
| 4 - New Program  |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
The Community Development Department has one vehicle currently. When the Town hired a full-time Zoning Compliance Officer, the vehicle was assigned to that position.

**JUSTIFICATION**  
With an increased need for Community Development staff to monitor projects in the field (private and public) an additional vehicle is needed to be used primarily by Transportation Planning and Development Services staff. The vehicle is expected to be regularly used by Transportation Planning as they monitor LAPP Projects, attend meetings at NCDOT offices, attend CAMPO meetings, and visit sites under construction.



**PROJECT ALTERNATIVES**  
Obtain a vehicle surplussed by another department.

**OPERATING IMPACT/OTHER COMMENTS**  
Annual operating impact is approximately \$1,500 for vehicle maintenance.

|                               |                       |                               |      |
|-------------------------------|-----------------------|-------------------------------|------|
| <b>PROJECT STATUS</b>         | New Project - FY 2020 |                               |      |
| <i>Funds Approved to Date</i> | \$ -                  | <i>Funds Expended to Date</i> | \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21   | 2021-22 | 2022-23 | 2023-24 | Future Years |
|----------------------------|--------------------|---------|-----------|---------|---------|---------|--------------|
| Purchase                   | \$ -               | \$ -    | \$ 40,000 | \$ -    | \$ -    | \$ -    | \$ -         |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ 40,000 | \$ -    | \$ -    | \$ -    | \$ -         |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20 | 2020-21   | 2021-22 | 2022-23 | 2023-24 | Future Years |
|------------------------------|--------------------|---------|-----------|---------|---------|---------|--------------|
| Installment Purchase         | \$ -               | \$ -    | \$ 40,000 | \$ -    | \$ -    | \$ -    | \$ -         |
| <b>Total Funding Sources</b> | \$ -               | \$ -    | \$ 40,000 | \$ -    | \$ -    | \$ -    | \$ -         |

**TOTAL PROJECT COST:** \$ 40,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |                                      |  |
|---|--------------------------------------|--|
| <b>DEPARTMENT</b><br>Downtown Development | <b>PROJECT MANAGER</b><br>Lisa Hayes | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--------------------------------------|--|

|   |                        |                                 |
|---|------------------------|---------------------------------|
| <b>PROJECT TITLE</b><br><br><i>Downtown Interactive Water Feature</i> | <b>TYPE OF PROJECT</b> |                                 |
|   |                        | 1 - Health/Safety/Welfare       |
|   |                        | 2 - Maintenance/Replacement     |
|   | <b>X</b>               | 3 - Existing Programs Expansion |
|   |                        | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Identify and implement an interactive civic space in Downtown Wake Forest that attracts families through play and water.

**JUSTIFICATION**  
This project is identified in the Renaissance Plan Update (2016) as one of the "Top 10 projects in 5 Years". Attracting families to downtown with spaces designed for children will be key in Wake Forest's continued evolution into a vibrant place and will increase the economic vitality of the Renaissance Area.



**PROJECT ALTERNATIVES**  
This project encompasses a large area (possibly Centennial Plaza). A smaller project to consider would be a water feature in the planting area at Jones Plaza.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Cost estimate based on selected vendor's estimated cost range for project. Will get firmer estimates as project gets closer. Will also quantify maintenance costs in firmer project estimate.

|                               |                        |                                    |
|-------------------------------|------------------------|------------------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2019 |                                    |
| <i>Funds Approved to Date</i> | \$ -                   | <i>Funds Expended to Date</i> \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22   | 2022-23    | 2023-2024 | Future Years |
|----------------------------|--------------------|---------|---------|-----------|------------|-----------|--------------|
| Planning & Engineering     | \$ -               | \$ -    | \$ -    | \$ 50,000 | \$ -       | \$ -      | \$ -         |
| Construction               | \$ -               | \$ -    | \$ -    | \$ -      | \$ 750,000 | \$ -      | \$ -         |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ -    | \$ 50,000 | \$ 750,000 | \$ -      | \$ -         |

| FUNDING SOURCE(S)                   | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22   | 2022-23    | 2023-2024 | Future Years |
|-------------------------------------|--------------------|---------|---------|-----------|------------|-----------|--------------|
| GO Bond - Future Referendum FY 2024 | \$ -               | \$ -    | \$ -    | \$ 50,000 | \$ 750,000 | \$ -      | \$ -         |
| <b>Total Funding Sources</b>        | \$ -               | \$ -    | \$ -    | \$ 50,000 | \$ 750,000 | \$ -      | \$ -         |

**TOTAL PROJECT COST:** \$ 800,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |  |                                      |
|---|--|--------------------------------------|
| <b>DEPARTMENT</b><br>Economic Development | <b>PROJECT MANAGER</b><br>Jason Cannon | <b>DEPARTMENTAL PRIORITY</b><br>High |
|---|--|--------------------------------------|

|   |  |                           |                             |                                 |                          |
|---|--|---------------------------|-----------------------------|---------------------------------|--------------------------|
| <b>PROJECT TITLE</b><br><br><i>Site Acquisition and Development</i> | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td>3 - Existing Programs Expansion</td></tr> <tr><td><b>X</b> 4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | 3 - Existing Programs Expansion | <b>X</b> 4 - New Program |
| 1 - Health/Safety/Welfare   |  |                           |                             |                                 |                          |
| 2 - Maintenance/Replacement   |  |                           |                             |                                 |                          |
| 3 - Existing Programs Expansion                                     |  |                           |                             |                                 |                          |
| <b>X</b> 4 - New Program  |  |                           |                             |                                 |                          |

**PROJECT DESCRIPTION**  
Identify funds for potential economic development opportunities as they arise.

**JUSTIFICATION**  
One of the key goals in the town's strategic plan is to stimulate economic development. This function transitioned to the Town from the Wake Forest Chamber of Commerce during fiscal year 2015-2016. A 501 c (3) has been formed to facilitate potential deals with property owners to foster economic growth in Wake Forest. Over the next few years estimated amounts have been projected to include land acquisition costs along with infrastructure improvements.



**PROJECT ALTERNATIVES**  
Don't commit town funds and work with other parties to facilitate.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Debt service on special obligation bonds.  
\*As property is developed and sold accordingly, the town benefits from increased tax base in addition to revenues from possible sale.

**PROJECT STATUS**

|                               |
|-------------------------------|
| Continuation - FY 2018        |
| <i>Funds Approved to Date</i> |
| \$ -                          |

*Funds Expended to Date*

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23      | 2023-24      | Future Years  |
|------------------------|--------------------|---------|---------|---------|--------------|--------------|---------------|
| Other*                 | \$ -               | \$ -    | \$ -    | \$ -    | \$ 3,000,000 | \$ 3,000,000 | \$ 19,000,000 |
| Total Project Costs    | \$ -               | \$ -    | \$ -    | \$ -    | \$ 3,000,000 | \$ 3,000,000 | \$ 19,000,000 |

| FUNDING SOURCE(S)        | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23      | 2023-24      | Future Years  |
|--------------------------|--------------------|---------|---------|---------|--------------|--------------|---------------|
| Special Obligation Bonds | \$ -               | \$ -    | \$ -    | \$ -    | \$ 3,000,000 | \$ 3,000,000 | \$ 19,000,000 |
| Total Funding Sources    | \$ -               | \$ -    | \$ -    | \$ -    | \$ 3,000,000 | \$ 3,000,000 | \$ 19,000,000 |

**TOTAL PROJECT COST: \$ 25,000,000**



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |                                      |  |
|---|--------------------------------------|--|
| <b>DEPARTMENT</b><br>Downtown Development | <b>PROJECT MANAGER</b><br>Lisa Hayes | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--------------------------------------|--|

|   |  |                           |                             |  |                 |
|---|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Branding of Downtown Water Tower</i> | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>x</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>x</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare   |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement   |  |                           |                             |  |                 |
| <b>x</b> 3 - Existing Programs Expansion                            |  |                           |                             |  |                 |
| 4 - New Program   |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
Continue downtown branding by adding the "Wake Forest Downtown" logo to the water tower located at the corner of S. White Street and Holding Avenue. This would be completed in conjunction with painting of the water tower by the City of Raleigh.

**JUSTIFICATION**  
The water tower is a very visible downtown landmark and branding of such would not only tie into our existing brand message but also serve to connect the north and south ends of the downtown district. We have received multiple citizen requests to consider this project.



**PROJECT ALTERNATIVES**  
Continue to use branding through multiple other sources: banners, advertising, wayfinding signs, etc.

**OPERATING IMPACT/OTHER COMMENTS**  
Cost estimate based on vendor and City of Raleigh estimated cost range for project. Will get firmer estimates as project gets closer. Will also quantify maintenance costs in firmer project estimate.

**PROJECT STATUS**

|                               |                               |
|-------------------------------|-------------------------------|
| <i>Funds Approved to Date</i> | New Project - FY 2020<br>\$ - |
|-------------------------------|-------------------------------|

*Funds Expended to Date*

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24           | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------------|--------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ 10,000         | \$ -         |
| Construction               | -                  | -           | -           | -           | -           | 190,000           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 200,000</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24           | Future Years |
|------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ 200,000        | \$ -         |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 200,000</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:**

|                   |
|-------------------|
| <b>\$ 200,000</b> |
|-------------------|

Capital Improvement Plan  
**INFORMATION TECHNOLOGY SUMMARY - BY PROJECT**

| PROJECT TITLE                                 | PRIORITY TYPE | PRIOR TO JULY 2019 | 2019-2020           | 2020-2021         | 2021-2022         | 2022-2023           | 2023-24           | FUTURE YEARS | TOTALS              |
|---|---------------|--------------------|---------------------|-------------------|-------------------|---------------------|-------------------|--------------|---------------------|
| 1 Fiber Infrastructure Project                | H - 4         | \$ 650,000         | \$ 2,210,000        | \$ 115,000        | \$ 115,000        | \$ 115,000          | \$ 115,000        | \$ -         | \$ 3,320,000        |
| 2 Hardware/Software Upgrades and Enhancements | M - 3         | -                  | 110,000             | 115,000           | 115,000           | 1,965,000           | 70,000            | -            | 2,375,000           |
| 3 Server Virtualization Platform              | H - 4         | -                  | 275,000             | -                 | -                 | -                   | -                 | -            | 275,000             |
| <b>TOTALS</b>                                 |               | <b>\$ 650,000</b>  | <b>\$ 2,595,000</b> | <b>\$ 230,000</b> | <b>\$ 230,000</b> | <b>\$ 2,080,000</b> | <b>\$ 185,000</b> | <b>\$ -</b>  | <b>\$ 5,970,000</b> |

Priority definitions:    H                    High  
                                   M                    Medium  
                                   L                    Low

Program type:            1                    Health/Safety/Welfare  
                                   2                    Maintenance/Replacement  
                                   3                    Existing programs expansion  
                                   4                    New programs expansion

**TOWN OF WAKE FOREST  
 CAPITAL IMPROVEMENTS PROGRAM  
 CIP UPDATE FY 2019-2024**

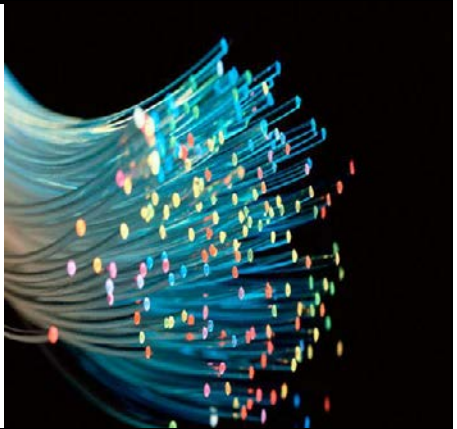
|   |                                       |                                      |
|---|---------------------------------------|--------------------------------------|
| <b>DEPARTMENT</b><br>Information Technology | <b>PROJECT MANAGER</b><br>Tom LaBarge | <b>DEPARTMENTAL PRIORITY</b><br>High |
|---|---------------------------------------|--------------------------------------|

|   |  |
|---|--|
| <b>PROJECT TITLE</b><br><br><i>Fiber Infrastructure Project</i> | <b>TYPE OF PROJECT</b><br>1 - Health/Safety/Welfare<br>2 - Maintenance/Replacement<br>3 - Existing Programs Expansion<br>X 4 - New Program |
|---|--|

**PROJECT DESCRIPTION**  
 Interconnect Town sites with a fiber network infrastructure.

**JUSTIFICATION**

1. Increased demand for higher speed connectivity.
2. Increases efficiencies and reliability for Town run systems and processes.
3. Business Continuity: Fiber infrastructure can provide redundant connectivity for physical locations.
4. Provide enhanced services to the community.
5. Enhanced security for Town sites.
6. Better position the Town for the digital age.
7. Increased opportunity for economic development.
8. Long term cost benefits compared to leasing or third party service provided solutions.



**PROJECT ALTERNATIVES**

Rely on third party providers for service.

**OPERATING IMPACT/OTHER COMMENTS**

\*Maintenance support will need to be taken into consideration during the RFI process.  
 \*Phase 1

|                               |                        |
|-------------------------------|------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2018 |
| <i>Funds Approved to Date</i> | \$ 2,750,000           |
| <i>Funds Expended to Date</i> | \$ 137,400             |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20             | 2020-21           | 2021-22           | 2022-23           | 2023-24           | Future Years |
|----------------------------|--------------------|---------------------|-------------------|-------------------|-------------------|-------------------|--------------|
| Planning & Engineering     | \$ 650,000         | \$ 110,000          | \$ 115,000        | \$ 115,000        | \$ 115,000        | \$ 115,000        | \$ -         |
| Construction               | -                  | 2,100,000           | -                 | -                 | -                 | -                 | -            |
| Contingency                | -                  | -                   | -                 | -                 | -                 | -                 | -            |
| Other                      | -                  | -                   | -                 | -                 | -                 | -                 | -            |
| <b>Total Project Costs</b> | <b>\$ 650,000</b>  | <b>\$ 2,210,000</b> | <b>\$ 115,000</b> | <b>\$ 115,000</b> | <b>\$ 115,000</b> | <b>\$ 115,000</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)              | Prior to July 2019 | 2019-20             | 2020-21           | 2021-22           | 2022-23           | 2023-24           | Future Years |
|--------------------------------|--------------------|---------------------|-------------------|-------------------|-------------------|-------------------|--------------|
| General Fund                   | \$ -               | \$ 110,000          | \$ 115,000        | \$ 115,000        | \$ 115,000        | \$ 115,000        | \$ -         |
| Installment Purchase Agreement | 650,000            | 2,100,000           | -                 | -                 | -                 | -                 | -            |
| <b>Total Funding Sources</b>   | <b>\$ 650,000</b>  | <b>\$ 2,210,000</b> | <b>\$ 115,000</b> | <b>\$ 115,000</b> | <b>\$ 115,000</b> | <b>\$ 115,000</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST: \$ 3,320,000**

**TOWN OF WAKE FOREST  
 CAPITAL IMPROVEMENTS PROGRAM  
 CIP UPDATE FY 2019-2024**

|   |                                       |  |
|---|---------------------------------------|--|
| <b>DEPARTMENT</b><br>Information Technology | <b>PROJECT MANAGER</b><br>Tom LaBarge | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|---------------------------------------|--|


|   |                        |                                 |
|---|------------------------|---------------------------------|
| <b>PROJECT TITLE</b><br><br>Hardware/Software Upgrades and Enhancements | <b>TYPE OF PROJECT</b> |                                 |
|   |                        | 1 - Health/Safety/Welfare       |
|   |                        | 2 - Maintenance/Replacement     |
|   | X                      | 3 - Existing Programs Expansion |
|   |                        | 4 - New Program                 |

**PROJECT DESCRIPTION**

1) Upgrades - purchase enhanced software modules as released to coincide with fully integrated software system. FY 19-20 - \$75,000; FY 20-21 - \$75,000; FY 21-22 - \$75,000; FY 23-24 - \$25,000.  
 2) Integrated Enterprise Software - procurement of new fully integrated enterprise software. FY 22-23 - \$1,570,000.  
 3) Allow for software upgrades and license fees for new officers. FY 19-20 - \$35,000; FY 20-21 - \$40,000; FY 21-22 - \$40,000; FY 22-23 - \$45,000; FY 23-24 - \$45,000.  
 4) Refresh existing Communications 911 System, OSSI System Hardware and Finger Print System. FY 22-23 - \$400,000.

**JUSTIFICATION**

1) Periodically New World Systems releases enhancements and new modules. Staff would like to be able to purchase these as they become available to further advance our efficiency.  
 2) Per Town standards, software maintains a useful life of ten (10) years. The Town went live with our current software application in FY 2008. This integration facilitates sufficient fiscal oversight, monitoring and built-in audit controls.  
 3) As software improves and new features are added, the new features could enhance and improve our current system. New Licenses will need to be purchased as employees are added.  
 4) Communication Center 911 Systems Refresh: A) 5 year life cycle replacement of OSSI system, audio recording system and finger print system; B) Business Continuity: As equipment ages, reliability, stability and performance will become and issue; C) As hardware failure would have an immediate impact on the employee productivity and public safety; D) Upgrade of hardware and operating system will add new features and increase performance over current system.



|   |   |
|---|---|
| <b>PROJECT ALTERNATIVES</b>   | <b>OPERATING IMPACT/OTHER COMMENTS</b>  |
| 1) Upgrades: annually projected<br>2) *2022-2023: ERP upgrades<br>3) Not add any new features to our current system or new officers to the system<br>4) Continue to use existing system | 1) *Annual software maintenance and support<br>2) *Travel and training to attend conferences<br>3) In order for new officers to access the system and remain legal, we will have to continually add new licenses.<br>4) Most maintenance and support costs will be initially included through a purchase/lease option. Reoccurring annual support is estimated at \$15,000. Obsolete systems could have an impact on public safety responsiveness. This could also cause a delay in providing assistance to citizens, other agencies, and media outlets with public record information. |

|                        |                        |
|------------------------|------------------------|
| <b>PROJECT STATUS</b>  | Continuation – FY 2018 |
| Funds Approved to Date | \$ -                   |
| Funds Expended to Date | \$ -                   |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21           | 2021-22           | 2022-23             | 2023-24          | Future Years |
|----------------------------|--------------------|-------------------|-------------------|-------------------|---------------------|------------------|--------------|
| Purchase                   | \$ -               | \$ 110,000        | \$ 115,000        | \$ 115,000        | \$ 1,545,000        | \$ 70,000        | \$ -         |
| Equipment                  | -                  | -                 | -                 | -                 | 420,000             | -                | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 110,000</b> | <b>\$ 115,000</b> | <b>\$ 115,000</b> | <b>\$ 1,965,000</b> | <b>\$ 70,000</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20           | 2020-21           | 2021-22           | 2022-23             | 2023-24          | Future Years |
|------------------------------|--------------------|-------------------|-------------------|-------------------|---------------------|------------------|--------------|
| General Fund                 | \$ -               | \$ 110,000        | \$ 115,000        | \$ 115,000        | \$ 1,645,000        | \$ 70,000        | \$ -         |
| Capital Reserve              | -                  | -                 | -                 | -                 | 320,000             | -                | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 110,000</b> | <b>\$ 115,000</b> | <b>\$ 115,000</b> | <b>\$ 1,965,000</b> | <b>\$ 70,000</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST: \$ 2,375,000**

**TOWN OF WAKE FOREST  
 CAPITAL IMPROVEMENTS PROGRAM  
 CIP UPDATE FY 2019-2024**

|   |                                       |  |
|---|---------------------------------------|--|
| <b>DEPARTMENT</b><br>Information Technology | <b>PROJECT MANAGER</b><br>Tom LaBarge | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|---------------------------------------|--|

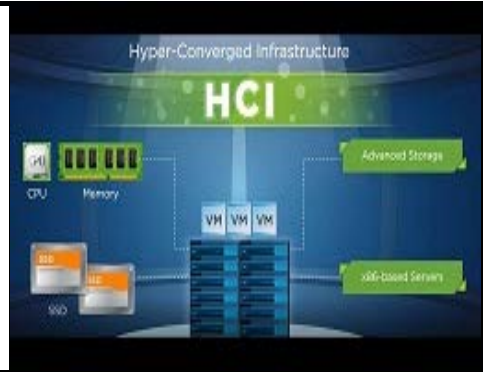
|   |
|---|
| <b>PROJECT TITLE</b><br><br><i>Server Virtualization Platform: Hyper-Converged Infrastructure (HCI)</i> |
|---|

|                        |                                 |
|------------------------|---------------------------------|
| <b>TYPE OF PROJECT</b> |                                 |
|                        | 1 - Health/Safety/Welfare       |
|                        | 2 - Maintenance/Replacement     |
|                        | 3 - Existing Programs Expansion |
| X                      | 4 - New Program                 |

**PROJECT DESCRIPTION**  
 Implementation of a virtualized Hyper-Converged Infrastructure (HCI).

**JUSTIFICATION**

1. Continued consolidation of stand-alone virtualized servers.
2. Maximizes server hardware resources.
3. Centralized management of host and guest operating systems.
4. Allows for hardware and software maintenance without interruption to services.
5. Lower cost of ownership.



**PROJECT ALTERNATIVES**  
 Maintain current system and application.

**OPERATING IMPACT/OTHER COMMENTS**  
 Extended service maintenance will be purchased on the front end included in the requested budget.

|                               |                        |
|-------------------------------|------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2016 |
| <i>Funds Approved to Date</i> | \$ -                   |

|                               |      |
|-------------------------------|------|
| <i>Funds Expended to Date</i> | \$ - |
|-------------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------------|-------------|-------------|-------------|-------------|--------------|
| Purchase                   | \$ -               | \$ 275,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
| Other                      | -                  | -                 | -           | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 275,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|-------------------|-------------|-------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ 275,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
|                              | -                  | -                 | -           | -           | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 275,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** \$ 275,000

Capital Improvement Plan  
PUBLIC FACILITIES SUMMARY - BY PROJECT

| PROJECT TITLE                                  | PRIORITY TYPE | PRIOR TO          |                   |                     |                   |                   |                  | FUTURE YEARS         | TOTALS               |
|--|---------------|-------------------|-------------------|---------------------|-------------------|-------------------|------------------|----------------------|----------------------|
|  |               | JULY 2019         | 2019-2020         | 2020-2021           | 2021-2022         | 2022-23           | 2023-24          |                      |                      |
| 1 Public Works Operation Center                | M - 2         | \$ 200,000        | \$ 175,000        | \$ 35,000           | \$ 400,000        | \$ 100,000        | \$ -             | \$ 15,200,000        | \$ 16,110,000        |
| 2 ADA Improvements for Compliance              | H - 1         | -                 | 25,000            | 50,000              | 50,000            | 60,000            | 50,000           | 150,000              | 385,000              |
| 3 Vehicle Additions                            | M - 3         | -                 | 30,000            | 40,000              | -                 | -                 | -                | -                    | 70,000               |
| 4 Evidence Room at Main Police Station         | M - 3         | -                 | 15,200            | 298,000             | -                 | -                 | -                | -                    | 313,200              |
| 5 Generator - 317 Brooks Street                | M - 3         | -                 | 35,000            | -                   | -                 | -                 | -                | -                    | 35,000               |
| 6 Flaherty Community Center Office             | M - 3         | -                 | -                 | 25,300              | 226,200           | -                 | -                | -                    | 251,500              |
| 7 New Police Station                           | M - 3         | -                 | -                 | 4,500,000           | -                 | -                 | -                | 22,977,500           | 27,477,500           |
| 8 Parks and Recreation Maintenance Building #2 | M - 3         | -                 | -                 | -                   | -                 | -                 | -                | 479,400              | 479,400              |
| <b>TOTALS</b>                                  |               | <b>\$ 200,000</b> | <b>\$ 280,200</b> | <b>\$ 4,948,300</b> | <b>\$ 676,200</b> | <b>\$ 160,000</b> | <b>\$ 50,000</b> | <b>\$ 38,806,900</b> | <b>\$ 45,121,600</b> |

Priority definitions:    H                    High  
                                   M                    Medium  
                                   L                    Low

Program type:        1                    Health/Safety/Welfare  
                                   2                    Maintenance/Replacement  
                                   3                    Existing programs expansion  
                                   4                    New programs expansion

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|  |   |  |
|--|---|--|
| <b>DEPARTMENT</b><br>Public Facilities | <b>PROJECT MANAGER</b><br>Mickey Rochelle | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--|---|--|

|  |  |  |                           |          |                             |  |                                 |  |                 |
|--|--|--|---------------------------|----------|-----------------------------|--|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Public Works Operations Center (Renovation/Upgrade)</i> | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td></td><td>1 - Health/Safety/Welfare</td></tr> <tr><td align="center"><b>X</b></td><td>2 - Maintenance/Replacement</td></tr> <tr><td></td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> |  | 1 - Health/Safety/Welfare | <b>X</b> | 2 - Maintenance/Replacement |  | 3 - Existing Programs Expansion |  | 4 - New Program |
|  | 1 - Health/Safety/Welfare  |  |                           |          |                             |  |                                 |  |                 |
| <b>X</b>   | 2 - Maintenance/Replacement  |  |                           |          |                             |  |                                 |  |                 |
|  | 3 - Existing Programs Expansion  |  |                           |          |                             |  |                                 |  |                 |
|  | 4 - New Program  |  |                           |          |                             |  |                                 |  |                 |

**PROJECT DESCRIPTION**  
Renovation/Upgrade - PW Operations Center

**JUSTIFICATION**  
The town completed a feasibility study for the Operations Center expansion/relocation a few years ago. In 2018, the town purchased 5031 Unicon Drive to relocate the Electric Division, which includes 26 staff, vehicles and equipment along with essential inventory items. This transition will be complete by Spring 2019. Request includes funding for renovating existing facility to accommodate growth in Public Works staff (Streets, Engineering, Environmental Services and PWA).



**PROJECT ALTERNATIVES**  
N/A.

**OPERATING IMPACT/OTHER COMMENTS**  
Approximately \$90,000 for additional utilities and maintenance along with security and cleaning. Cost will vary depending on usage of buildings.

|                               |                        |                                    |
|-------------------------------|------------------------|------------------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2014 |                                    |
| <i>Funds Approved to Date</i> | \$ 200,000             | <i>Funds Expended to Date</i> \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21          | 2021-22           | 2022-23           | 2023-24     | Future Years         |
|----------------------------|--------------------|-------------------|------------------|-------------------|-------------------|-------------|----------------------|
| Planning & Engineering     | \$ 200,000         | \$ 25,000         | \$ 35,000        | \$ -              | \$ -              | \$ -        | \$ 200,000           |
| Purchase                   | -                  | -                 | -                | -                 | -                 | -           | -                    |
| Construction               | -                  | 150,000           | -                | 400,000           | 100,000           | -           | 15,000,000           |
| <b>Total Project Costs</b> | <b>\$ 200,000</b>  | <b>\$ 175,000</b> | <b>\$ 35,000</b> | <b>\$ 400,000</b> | <b>\$ 100,000</b> | <b>\$ -</b> | <b>\$ 15,200,000</b> |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20           | 2020-21          | 2021-22           | 2022-23           | 2023-24     | Future Years         |
|------------------------------|--------------------|-------------------|------------------|-------------------|-------------------|-------------|----------------------|
| General Fund                 | \$ 200,000         | \$ 175,000        | \$ 35,000        | \$ 400,000        | \$ 100,000        | \$ -        | \$ -                 |
| Installment Purchase         | -                  | -                 | -                | -                 | -                 | -           | 15,200,000           |
| <b>Total Funding Sources</b> | <b>\$ 200,000</b>  | <b>\$ 175,000</b> | <b>\$ 35,000</b> | <b>\$ 400,000</b> | <b>\$ 100,000</b> | <b>\$ -</b> | <b>\$ 15,200,000</b> |

**TOTAL PROJECT COST: \$ 16,110,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**  
Public Facilities

**PROJECT MANAGER**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
High

**PROJECT TITLE**  
  
ADA Improvements for Compliance

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
| <b>X</b>        | 1 - Health/Safety/Welfare       |
|                 | 2 - Maintenance/Replacement     |
|                 | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
ADA Compliance

**JUSTIFICATION**  
Title II of the 2010 Standards require local governments to have accessibility in all programs, media, and facility access. The Transition Plan has been completed for Parks and Recreation. Public Rights of Ways and remainder of buildings will be added to the CIP in FY 2020-2021. The dollar amounts, excluding \$150,000 of Future Years funds are for the items currently included in the Transition Plan.



**PROJECT ALTERNATIVES**  
N/A

**OPERATING IMPACT/OTHER COMMENTS**  
\*Provide better access for individuals with disabilities  
\*Reduced ADA complaints  
\*Legal obligation.

**PROJECT STATUS**  
Funds Approved to Date

|                        |
|------------------------|
| Continuation - FY 2019 |
| \$ -                   |

Funds Expended to Date

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20   | 2020-21   | 2021-22   | 2022-23   | 2023-24   | Future Years |
|----------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|--------------|
| Construction               | \$ -               | \$ 25,000 | \$ 50,000 | \$ 50,000 | \$ 60,000 | \$ 50,000 | \$ 150,000   |
| Contingency                | -                  | -         | -         | -         | -         | -         | -            |
| Other                      | -                  | -         | -         | -         | -         | -         | -            |
| <b>Total Project Costs</b> | \$ -               | \$ 25,000 | \$ 50,000 | \$ 50,000 | \$ 60,000 | \$ 50,000 | \$ 150,000   |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20   | 2020-21   | 2021-22   | 2022-23   | 2023-24   | Future Years |
|------------------------------|--------------------|-----------|-----------|-----------|-----------|-----------|--------------|
| General Fund                 | \$ -               | \$ 25,000 | \$ 50,000 | \$ 50,000 | \$ 60,000 | \$ 50,000 | \$ 150,000   |
| <b>Total Funding Sources</b> | \$ -               | \$ 25,000 | \$ 50,000 | \$ 50,000 | \$ 60,000 | \$ 50,000 | \$ 150,000   |


**TOTAL PROJECT COST:** **\$ 385,000**



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|  |   |  |
|--|---|--|
| <b>DEPARTMENT</b><br>Public Facilities | <b>PROJECT MANAGER</b><br>Mickey Rochelle | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--|---|--|

|   |  |
|---|--|
| <b>PROJECT TITLE</b><br><br>Vehicle Additions | <b>TYPE OF PROJECT</b>                   |
|   | 1 - Health/Safety/Welfare                |
|   | 2 - Maintenance/Replacement              |
|   | <b>X</b> 3 - Existing Programs Expansion |
|   | 4 - New Program                          |

|   |  |
|---|--|
| <p><b>PROJECT DESCRIPTION</b><br/>Purchase SUV (FY 2020) and a Service Truck (FY 2021)</p> <p><b>JUSTIFICATION</b><br/>This request is to add a vehicle for the Public Facilities Director. He is currently using a truck that was replaced by the Police Department. An SUV would allow the department to travel as a group as needed. In addition, this would allow plans to be transported to construction sites, remain dry and without damage. A basic set of tools would also remain in the vehicle for use by the manager. These tools would be used to make repairs when remaining staff are working on other assignments.</p> <p>In order for the department to keep up with the growth and demand of the town, the director anticipates making a request for an additional staff member in FY 2020. If approved, a service truck will be needed. An additional position is being requested to focus on the Downtown Municipal Service District. The existing pickup will suffice for expected duties.</p> |  |
|---|--|

**PROJECT ALTERNATIVES**  
Continue use of town shared vehicle or using the old truck from the Police Department.

**OPERATING IMPACT/OTHER COMMENTS**  
This will allow all staff members access to a vehicle to complete their various work assignments. Annual maintenance and fuel cost approximately \$1,500 per vehicle.

|                               |                        |                               |      |
|-------------------------------|------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2019 |                               |      |
| <i>Funds Approved to Date</i> | \$ -                   | <i>Funds Expended to Date</i> | \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20          | 2020-21          | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|------------------|------------------|-------------|-------------|-------------|--------------|
| Purchase                   | \$ -               | \$ 30,000        | \$ 40,000        | \$ -        | \$ -        | \$ -        | \$ -         |
| Other                      | -                  | -                | -                | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 30,000</b> | <b>\$ 40,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20          | 2020-21          | 2021-22     | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|------------------|------------------|-------------|-------------|-------------|--------------|
| Installment Purchase         | \$ -               | \$ 30,000        | \$ 40,000        | \$ -        | \$ -        | \$ -        | \$ -         |
|                              | -                  | -                | -                | -           | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 30,000</b> | <b>\$ 40,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 70,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**  
Public Facilities

**PROJECT MANAGER**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
*Evidence Room at Main Police Station*

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 - Health/Safety/Welfare       |
|                 | 2 - Maintenance/Replacement     |
| X               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Construct approximately 900 square feet to the north end of the police department to be used as an evidence room.

**JUSTIFICATION**  
Due to regulation changes and the need to keep evidence longer the department is out growing the current evidence room.



**PROJECT ALTERNATIVES**  
N/A

**OPERATING IMPACT/OTHER COMMENTS**  
Additional Utilities and maintenance of approximately \$1,500 annually.

**PROJECT STATUS**  
*Funds Approved to Date*

|                        |
|------------------------|
| Continuation - FY 2016 |
| \$ -                   |

*Funds Expended to Date*

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20          | 2020-21           | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|------------------|-------------------|-------------|-------------|-------------|--------------|
| Planning & Engineering     | \$ -               | \$ 15,000        | \$ -              | \$ -        | \$ -        | \$ -        | \$ -         |
| Construction               | -                  | -                | 250,000           | -           | -           | -           | -            |
| Equipment                  | -                  | -                | 25,000            | -           | -           | -           | -            |
| Contingency                | -                  | -                | 20,000            | -           | -           | -           | -            |
| Other                      | -                  | 200              | 3,000             | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 15,200</b> | <b>\$ 298,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20          | 2020-21           | 2021-22     | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|------------------|-------------------|-------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ 15,200        | \$ 298,000        | \$ -        | \$ -        | \$ -        | \$ -         |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 15,200</b> | <b>\$ 298,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:**

|            |
|------------|
| \$ 313,200 |
|------------|

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**  
Public Facilities

**PROJECT MANAGER**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
*Emergency Stationary Standby Generator-317 Brooks St.*

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 - Health/Safety/Welfare       |
|                 | 2 - Maintenance/Replacement     |
| X               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PURPOSE**  
Install a generator at the Public Facilities Building for events that require staff to stay overnight and there is a chance of losing power.

**JUSTIFICATION**  
When the Facilities building was renovated a full kitchen, shower, locker room, conference room, and air mattress was put in place for emergencies that require employees to stay overnight. The building has room for facilities staff as well as others to stay if needed and has been used by the Electric Department as well as Parks and Recreation Maintenance Staff but if power is lost the building is useless in emergencies. During the last hurricane event a temporary generator was brought in on the day prior to the storm arriving.



**PROJECT ALTERNATIVES**

Continue using the building under normal circumstances and use portable generator for emergencies if available. Rent hotel rooms for staff.

**OPERATING IMPACT/OTHER COMMENTS**

Generator can be used for load management. Employees will have a building to stay in during events requiring them to stay on site. Other departments can also use the building as needed and reduce hotel rooms being rented.

**PROJECT STATUS**  
Funds Approved to Date

|                       |
|-----------------------|
| New Project - FY 2020 |
| \$ -                  |

Funds Expended to Date

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20          | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|------------------|-------------|-------------|-------------|-------------|--------------|
| Equipment                  | \$ -               | \$ 35,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
| Contingency                | -                  | -                | -           | -           | -           | -           | -            |
| Other                      | -                  | -                | -           | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 35,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20          | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|------------------|-------------|-------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ 35,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 35,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 35,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|  |   |  |
|--|---|--|
| <b>DEPARTMENT</b><br>Public Facilities | <b>PROJECT MANAGER</b><br>Mickey Rochelle | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--|---|--|

|   |  |                           |                             |  |                 |
|---|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Flaherty Community Center Office</i> | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare   |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement   |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion                            |  |                           |                             |  |                 |
| 4 - New Program   |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
Design and construct approximately 1,000 square feet of office space for future staffing needs at Flaherty Community Center.

**JUSTIFICATION**  
Parks and Recreation plans to convert two part time positions to one full time. This would be used as an office for that employee. The center currently has one reception and office combination.



**PROJECT ALTERNATIVES**  
Delay hiring a full time employee or allow them to work together in the existing office area.

**OPERATING IMPACT/OTHER COMMENTS**  
Additional utility cost and maintenance of approximately \$1,800 per year. Staff will also be required.

|                               |                        |                                    |
|-------------------------------|------------------------|------------------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2014 |                                    |
| <i>Funds Approved to Date</i> | \$ -                   | <i>Funds Expended to Date</i> \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21          | 2021-22           | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|------------------|-------------------|-------------|-------------|--------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ 25,000        | \$ -              | \$ -        | \$ -        | \$ -         |
| Construction               | -                  | -           | -                | 200,000           | -           | -           | -            |
| Equipment                  | -                  | -           | -                | 4,000             | -           | -           | -            |
| Contingency                | -                  | -           | -                | 20,000            | -           | -           | -            |
| Other                      | -                  | -           | 300              | 2,200             | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 25,300</b> | <b>\$ 226,200</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21          | 2021-22           | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|-------------|------------------|-------------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ 25,300        | \$ 226,200        | \$ -        | \$ -        | \$ -         |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 25,300</b> | <b>\$ 226,200</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST: \$ 251,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|  |   |  |
|--|---|--|
| <b>DEPARTMENT</b><br>Public Facilities | <b>PROJECT MANAGER</b><br>Mickey Rochelle | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--|---|--|

|  |  |                           |                             |  |                 |
|--|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>New Police Station | <b>TYPE OF PROJECT</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare                      |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement                    |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion       |  |                           |                             |  |                 |
| 4 - New Program                                |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
New police station including design, engineering, and construction.

**JUSTIFICATION**  
The town contracted with an architectural firm to do a space analysis of a new police station. This was done in conjunction with a master plan to accommodate the needs of perspective departments that would be housed on town hall campus. The project will include preliminary plans, construction documents, technology, furniture, and contingency funds. Tarlton Park could be purchased and extend the need to build the new station to later.



**PROJECT ALTERNATIVES**

- \*Establish precincts by leasing office space at appropriate locations.
- \*Purchase Tarlton Park and delay the new station

**OPERATING IMPACT/OTHER COMMENTS**

Additional utilities and maintenance including cleaning of approximately \$95,000 annually. Tarlton Park would have annual maintenance and cleaning. Cost would vary depending on usage of buildings.

|                               |                        |                               |      |
|-------------------------------|------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2014 |                               |      |
| <i>Funds Approved to Date</i> | \$ -                   | <i>Funds Expended to Date</i> | \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21             | 2021-22     | 2022-23     | 2023-24     | Future Years         |
|----------------------------|--------------------|-------------|---------------------|-------------|-------------|-------------|----------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -                | \$ -        | \$ -        | \$ -        | \$ 1,750,000         |
| Purchase                   | -                  | -           | 4,500,000           | -           | -           | -           | 1,200,000            |
| Construction               | -                  | -           | -                   | -           | -           | -           | 18,000,000           |
| Contingency                | -                  | -           | -                   | -           | -           | -           | 1,800,000            |
| Other                      | -                  | -           | -                   | -           | -           | -           | 227,500              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 4,500,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 22,977,500</b> |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21             | 2021-22     | 2022-23     | 2023-24     | Future Years         |
|------------------------------|--------------------|-------------|---------------------|-------------|-------------|-------------|----------------------|
| General Fund                 | \$ -               | \$ -        | \$ -                | \$ -        | \$ -        | \$ -        | \$ 227,500           |
| Installment Purchase         | -                  | -           | 4,500,000           | -           | -           | -           | 22,750,000           |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 4,500,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 22,977,500</b> |

**TOTAL PROJECT COST: \$ 27,477,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|  |   |  |
|--|---|--|
| <b>DEPARTMENT</b><br>Public Facilities | <b>PROJECT MANAGER</b><br>Mickey Rochelle | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--|---|--|

|   |  |                           |                             |          |                                 |                 |
|---|--|---------------------------|-----------------------------|----------|---------------------------------|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Parks and Recreation Maintenance Building #2</i> | <b>TYPE OF PROJECT</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td style="text-align: center;"><b>X</b></td></tr> <tr><td>3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> | 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare   |  |                           |                             |          |                                 |                 |
| 2 - Maintenance/Replacement   |  |                           |                             |          |                                 |                 |
| <b>X</b>  |  |                           |                             |          |                                 |                 |
| 3 - Existing Programs Expansion   |  |                           |                             |          |                                 |                 |
| 4 - New Program   |  |                           |                             |          |                                 |                 |

**PROJECT DESCRIPTION**  
Satellite location for maintenance.

**JUSTIFICATION**  
With additional greenways, staff, and equipment being added space is needed to accommodate. This location would be on the south side of town to reduce daily travel. This building would be located by a greenway and will include a public restroom with an exterior entrance. A fenced yard would be included for future equipment. The building would be approximately 3000 square feet and a gravel lot. The intent for this building is to be located at the Smith Creek Trailhead near the Raleigh Waste Water Treatment Plant.



|   |  |
|---|--|
| <b>PROJECT ALTERNATIVES</b><br>Continue working from existing location. | <b>OPERATING IMPACT/OTHER COMMENTS</b><br>Additional utilities and maintenance of \$15,000 approximately per year which will depend on final design. |
|---|--|

|  |                                |                               |      |
|--|--------------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | Continuation - FY 2016<br>\$ - | <i>Funds Expended to Date</i> | \$ - |
|--|--------------------------------|-------------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years      |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 35,000         |
| Construction               | -                  | -           | -           | -           | -           | -           | 400,000           |
| Equipment                  | -                  | -           | -           | -           | -           | -           | -                 |
| Contingency                | -                  | -           | -           | -           | -           | -           | 40,000            |
| Other-PAC                  | -                  | -           | -           | -           | -           | -           | 4,400             |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 479,400</b> |

| FUNDING SOURCE(S)             | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years      |
|-------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| GO Bonds - FY 2024 Referendum | -                  | -           | -           | -           | -           | -           | 479,400           |
| <b>Total Funding Sources</b>  | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 479,400</b> |

**TOTAL PROJECT COST:      \$ 479,400**

Capital Improvement Plan  
**PUBLIC SAFETY SUMMARY - BY PROJECT**

| PROJECT TITLE  | PRIORITY TYPE | PRIOR TO    |             |                   |                   |                   | FUTURE YEARS |             |             | TOTALS              |
|--|---------------|-------------|-------------|-------------------|-------------------|-------------------|--------------|-------------|-------------|---------------------|
|  |               | JULY 2019   | 2019-2020   | 2020-2021         | 2021-2022         | 2022-23           | 2023-24      |             |             |                     |
| 1 Patrol Vehicles Additional                           | H - 3         | \$ -        | \$ -        | \$ 390,000        | \$ -              | \$ 400,000        | \$ -         | \$ -        | \$ -        | \$ 790,000          |
| 2 Mobile Command Vehicle                               | M - 4         | -           | -           | -                 | -                 | 325,000           | -            | -           | -           | 325,000             |
| 3 Back-up Communications Center                        | H - 3         | -           | -           | -                 | 600,000           | -                 | -            | -           | -           | 600,000             |
| 4 Communications Center Radio Channel Digital Recorder | M - 3         | -           | -           | -                 | -                 | 150,000           | -            | -           | -           | 150,000             |
| <b>TOTALS</b>  |               | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 390,000</b> | <b>\$ 600,000</b> | <b>\$ 875,000</b> | <b>\$ -</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,865,000</b> |

Priority definitions: H High  
M Medium  
L Low

Program type: 1 Health/Safety/Welfare  
2 Maintenance/Replacement  
3 Existing programs expansion  
4 New programs expansion

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|                                    |  |                                      |
|------------------------------------|--|--------------------------------------|
| <b>DEPARTMENT</b><br>Public Safety | <b>PROJECT MANAGER</b><br>Jeffrey M. Leonard | <b>DEPARTMENTAL PRIORITY</b><br>High |
|------------------------------------|--|--------------------------------------|

|   |  |                           |                             |  |                 |
|---|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Patrol Vehicles Additional</i> | <b>TYPE OF PROJECT</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare                                     |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement                                   |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion                      |  |                           |                             |  |                 |
| 4 - New Program   |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
Purchase new vehicles per state contract specifications for requested additional positions.

**JUSTIFICATION**  
Population and call volume are continuing to increase, as the town is still developing both commercially and residentially at a fast pace. The increased territory and the time to patrol has increased. To keep pace with this growth new personnel will be needed to maintain the current level of service. These vehicles reduce the geographical areas of responsibility and adds to ancillary functions that assist in targeting high crime areas and answering calls for service.



|  |  |
|--|--|
| <b>PROJECT ALTERNATIVES</b><br>Personnel additions would not be effective without the addition of new vehicles. No alternatives are available. | <b>OPERATING IMPACT/OTHER COMMENTS</b><br>*The department utilizes a vehicle per officer, which has reduced maintenance costs. |
|--|--|

|                               |                |                               |      |
|-------------------------------|----------------|-------------------------------|------|
| <b>PROJECT STATUS</b>         | Annual Project |                               |      |
| <i>Funds Approved to Date</i> | \$ -           | <i>Funds Expended to Date</i> | \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21           | 2021-22     | 2022-23           | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------------|-------------|-------------------|-------------|--------------|
| Purchase                   | \$ -               | \$ -        | \$ 390,000        | \$ -        | \$ 400,000        | \$ -        | \$ -         |
| Equipment                  | -                  | -           | -                 | -           | -                 | -           | -            |
| Other                      | -                  | -           | -                 | -           | -                 | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 390,000</b> | <b>\$ -</b> | <b>\$ 400,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21           | 2021-22     | 2022-23           | 2023-24     | Future Years |
|------------------------------|--------------------|-------------|-------------------|-------------|-------------------|-------------|--------------|
| Installment Purchase         | \$ -               | \$ -        | \$ 390,000        | \$ -        | \$ 400,000        | \$ -        | \$ -         |
|                              | -                  | -           | -                 | -           | -                 | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 390,000</b> | <b>\$ -</b> | <b>\$ 400,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST: \$ 790,000**



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|                                    |  |  |
|------------------------------------|--|--|
| <b>DEPARTMENT</b><br>Public Safety | <b>PROJECT MANAGER</b><br>Jeffrey M. Leonard | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|------------------------------------|--|--|

|                               |
|-------------------------------|
| <b>PROJECT TITLE</b>          |
| <i>Mobile Command Vehicle</i> |

|                        |                                 |
|------------------------|---------------------------------|
| <b>TYPE OF PROJECT</b> |                                 |
|                        | 1 -Health/Safety/Welfare        |
|                        | 2 - Maintenance/Replacement     |
|                        | 3 - Existing Programs Expansion |
| X                      | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Obtain a mobile command vehicle to provide a back-up communication and operational function for the Police Department and town.

**JUSTIFICATION**  
A mobile command vehicle would provide the Police Department and town with a versatile asset to continue service in a mobile platform. This vehicle could be used as a command post at major crime scenes, natural disasters, and town events by providing conference rooms, communications capabilities, video capabilities, and exterior lighting. Mobile command vehicles allow for a quick response and transferability of services at a moment’s notice.



**PROJECT ALTERNATIVES**  
Continue operation without a command vehicle and use other agencies vehicles, if available.

**OPERATING IMPACT/OTHER COMMENTS**  
N/A

|                               |                        |
|-------------------------------|------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2017 |
| <i>Funds Approved to Date</i> | \$ -                   |

|                               |      |
|-------------------------------|------|
| <i>Funds Expended to Date</i> | \$ - |
|-------------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23    | 2023-24 | Future Years |
|----------------------------|--------------------|---------|---------|---------|------------|---------|--------------|
| Purchase                   | \$ -               | \$ -    | \$ -    | \$ -    | \$ 325,000 | \$ -    | \$ -         |
| Other                      | \$ -               | \$ -    | \$ -    | \$ -    | \$ -       | \$ -    | \$ -         |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ -    | \$ -    | \$ 325,000 | \$ -    | \$ -         |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23    | 2023-24 | Future Years |
|------------------------------|--------------------|---------|---------|---------|------------|---------|--------------|
| Installment Purchase         | \$ -               | \$ -    | \$ -    | \$ -    | \$ 325,000 | \$ -    | \$ -         |
|                              | \$ -               | \$ -    | \$ -    | \$ -    | \$ -       | \$ -    | \$ -         |
| <b>Total Funding Sources</b> | \$ -               | \$ -    | \$ -    | \$ -    | \$ 325,000 | \$ -    | \$ -         |

**TOTAL PROJECT COST:** \$ 325,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|                                    |  |                                      |
|------------------------------------|--|--------------------------------------|
| <b>DEPARTMENT</b><br>Public Safety | <b>PROJECT MANAGER</b><br>Jeffrey M. Leonard | <b>DEPARTMENTAL PRIORITY</b><br>High |
|------------------------------------|--|--------------------------------------|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br><i>Back-up Communications Center</i> | <b>TYPE OF PROJECT</b><br>1 -Health/Safety/Welfare<br>2 - Maintenance/Replacement<br><b>X</b> 3 - Existing Programs Expansion<br>4 - New Program |
|--|--|

**PROJECT DESCRIPTION**  
Provide a Back-up Communications Center in case the current one becomes inoperable or unsafe.

**JUSTIFICATION**  
To ensure the continuity of services, a back-up plan is needed in the event the current communications center were to be shut down, temporarily or permanently. There have been cases when the operations of communications should have been evacuated for safety reasons, but we had to continue running it because we had no where to move the operations. Reasons for a back-up plan can be: man made problems, power outages, natural disasters or in major incidents it provides the Town with more capacity. With the increasing size of the Police Department we can not afford to take the risk of losing communications. This request includes radio system, furniture, software and installation. The center will also include an emergency operations room.



**PROJECT ALTERNATIVES**

- 1) Rely on the City of Raleigh to provide back up services.
- 2) Fund a command vehicle, including the equipment, to make this a temporary solution. It would not be ideal for long term but could easily be made to work as a short term solution.
- 3) Build or purchase new place for PD and put this inside the new PD or build a new center and keep the current one as the back up.

**OPERATING IMPACT/OTHER COMMENTS**

- \* Can be housed in a new building at the Operations Center since this already has a fiber connection and IT is looking to expand there. This would require two rooms with one being a small storage area for equipment.
- \* This does not include any building costs. This would be covered with any expansion to the operations center.

|                               |                        |
|-------------------------------|------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2014 |
| <i>Funds Approved to Date</i> | \$ -                   |
| <i>Funds Expended to Date</i> | \$ -                   |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------------|-------------|-------------|--------------|
| Purchase                   | \$ -               | \$ -        | \$ -        | \$ 600,000        | \$ -        | \$ -        | \$ -         |
| Other                      | -                  | -           | -           | -                 | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 600,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|-------------|-------------|-------------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -        | \$ 600,000        | \$ -        | \$ -        | \$ -         |
| Asset Foreiture Funds*       | -                  | -           | -           | -                 | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 600,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST: \$ 600,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**

Public Safety

**PROJECT MANAGER**

Jeffrey M. Leonard

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

Communications Center Radio Channel Digital Recorder

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 - Health/Safety/Welfare       |
|                 | 2 - Maintenance/Replacement     |
| X               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**

Communication Center upgrade to allow recording and tracking of phone calls and radio traffic.

**JUSTIFICATION**

This is to maintain an up to date recording system. The current system was replaced in the 2017-2018 budget and we are planning for a replacement based on age and technology advancements. As time gets closer we may be able to get a year or two longer out of the system but will be evaluated then.



**PROJECT ALTERNATIVES**

The current system was replaced in the 2017-2018 budget year and we need to plan for a replacement in approximately 5 years to stay up to date. We may be able to extend this time a year or two but will be evaluated then.

**OPERATING IMPACT/OTHER COMMENTS**

This could cause negative effects on the department, Town, and our citizens by not recording important information. This could also cause a delay in providing assistance to citizens, other agencies, and media outlets with public record information.

**PROJECT STATUS**

New Project - FY 2020

Funds Approved to Date     \$ -

Funds Expended to Date     \$ -

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23           | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------|-------------------|-------------|--------------|
| Purchase                   | \$ -               | \$ -        | \$ -        | \$ -        | \$ 150,000        | \$ -        | \$ -         |
| Other                      | -                  | -           | -           | -           | -                 | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 150,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23           | 2023-24     | Future Years |
|------------------------------|--------------------|-------------|-------------|-------------|-------------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -        | \$ -        | \$ 150,000        | \$ -        | \$ -         |
| Grants                       | -                  | -           | -           | -           | -                 | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 150,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:     \$ 150,000**

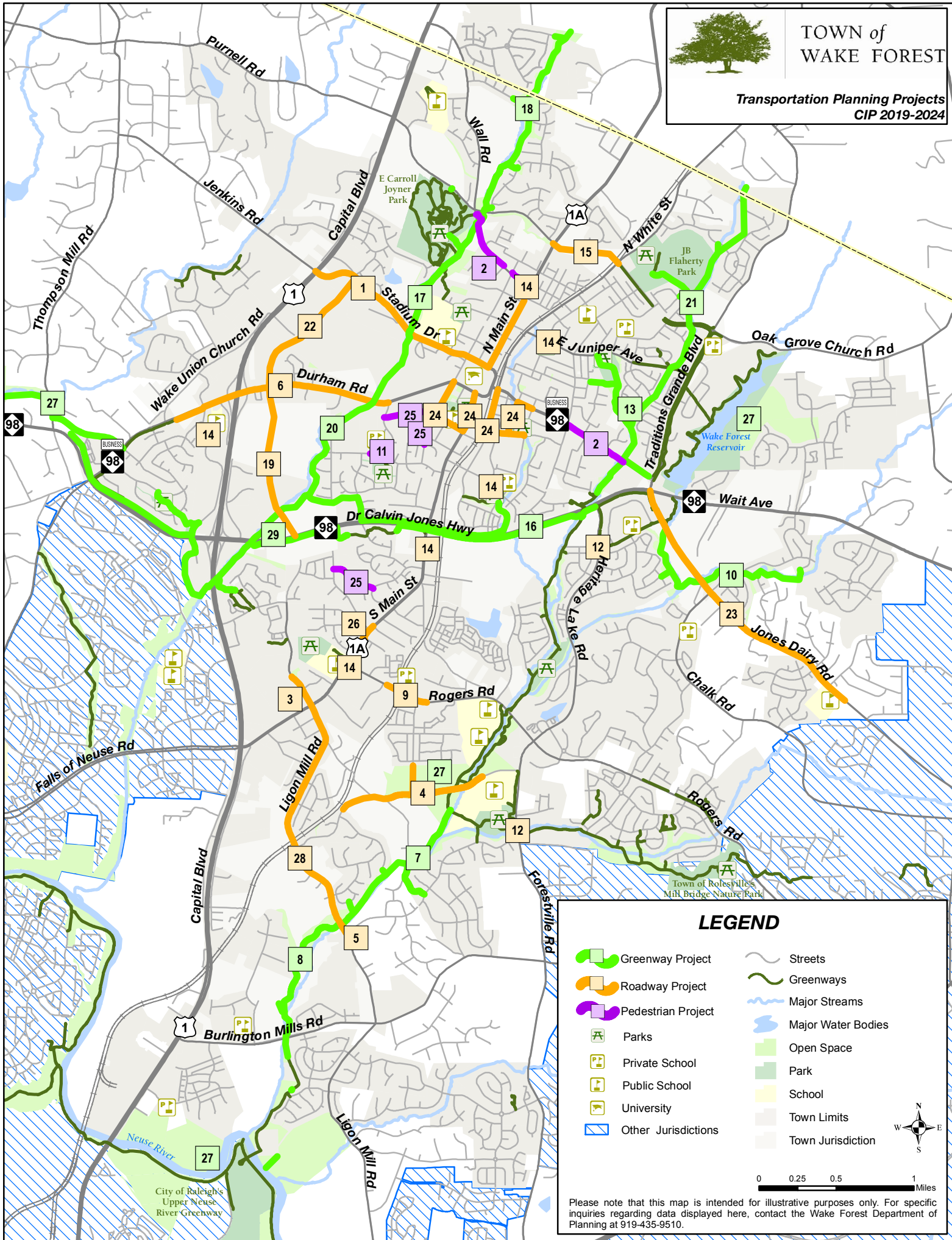
Capital Improvement Plan  
**GREENWAYS, TRANSPORTATION AND PEDESTRIAN ACCESS (GTP) - BY PROJECT**

| PROJECT TITLE  | PRIORITY TYPE | PRIOR TO JULY 2019   | 2019-2020           | 2020-2021         | 2021-2022            | 2022-23             | 2023-24              | FUTURE YEARS         | TOTALS                |
|--|---------------|----------------------|---------------------|-------------------|----------------------|---------------------|----------------------|----------------------|-----------------------|
|  |               |                      |                     |                   |                      |                     |                      |                      |                       |
| 1 Stadium Drive Complete Streets                     | H-3           | \$ 7,924,400         | \$ 2,719,400        | \$ -              | \$ -                 | \$ -                | \$ -                 | \$ -                 | \$ 10,643,800         |
| 2 Ligon Mill Road Operational Improvements           | H-3           | 1,955,000            | 2,966,500           | 211,900           | -                    | -                   | -                    | -                    | 5,133,400             |
| 3 Road Connections                                   | H-3           | 1,017,000            | 300,000             | -                 | 50,000               | -                   | 7,891,000            | -                    | 9,258,000             |
| 4 Durham Road Operational Improvements               | H-3           | 541,800              | 1,477,200           | -                 | 5,948,800            | 3,203,100           | -                    | -                    | 11,170,900            |
| 5 Smith Creek Greenway - Phase 3                     | H-3           | 243,800              | 168,200             | -                 | -                    | 491,700             | 1,940,700            | 848,800              | 3,693,200             |
| 6 Smith Creek Greenway - Phase 2                     | H-3           | 1,010,200            | 345,400             | -                 | 1,082,300            | 2,178,400           | 1,082,300            | -                    | 5,698,600             |
| 7 West Holding Avenue Sidewalk                       | M-3           | -                    | 50,000              | 35,000            | 35,000               | 35,000              | -                    | -                    | 155,000               |
| 8 Dunn Creek Greenway - Phase 3                      | H-3           | 608,700              | 20,000              | -                 | -                    | -                   | -                    | 7,474,800            | 8,103,500             |
| 9 Harris Road Extension/Northside Loop               | H-3           | 50,000               | 100,000             | -                 | -                    | -                   | -                    | 13,905,000           | 14,055,000            |
| 10 Traffic/Pedestrian Signals                        | M-3           | -                    | 75,000              | 195,000           | 490,000              | -                   | -                    | 330,000              | 1,090,000             |
| 11 Bus Shelter Installations                         | M-3           | -                    | -                   | 55,600            | 55,600               | -                   | -                    | -                    | 111,200               |
| 12 Rogers Road Grade Separation                      | H-3           | -                    | -                   | 211,400           | -                    | -                   | -                    | -                    | 211,400               |
| 13 Wake Forest Bypass Greenway - Phase 1             | H-3           | -                    | -                   | -                 | 303,000              | 250,000             | 3,067,900            | 3,067,900            | 6,688,800             |
| 14 Richland Creek Greenway - Phase 1                 | M-3           | -                    | -                   | -                 | 378,800              | 126,300             | -                    | 2,529,300            | 3,034,400             |
| 15 Richland Creek Greenway - Phase 2                 | M-3           | -                    | -                   | -                 | 176,800              | 176,800             | -                    | 5,712,400            | 6,066,000             |
| 16 Ligon Mill Road Extension - Phase 1               | H-3           | -                    | -                   | -                 | 936,000              | -                   | -                    | 13,514,600           | 14,450,600            |
| 17 Richland Creek Greenway - Phase 3                 | M-3           | -                    | -                   | -                 | 505,000              | 263,100             | 3,190,000            | 3,190,000            | 7,148,100             |
| 18 Bike Lanes & Sharrows Installation                | M-3           | -                    | -                   | -                 | 39,900               | -                   | -                    | -                    | 39,900                |
| 19 Ligon Mill Road Extension - Phase 2               | M-3           | -                    | -                   | -                 | -                    | 756,000             | -                    | 7,394,400            | 8,150,400             |
| 20 Pedestrian Sidewalk Connections                   | H-3           | -                    | -                   | -                 | -                    | -                   | 78,000               | 853,400              | 931,400               |
| 21 US 1-A South Main Street Bike Lanes               | M-3           | -                    | -                   | -                 | -                    | -                   | 759,000              | -                    | 759,000               |
| 22 Dunn Creek Greenway - Phase 4                     | H-3           | -                    | -                   | -                 | -                    | -                   | -                    | 2,417,000            | 2,417,000             |
| 23 Passive/Active Park Greenway Connections          | M-3           | -                    | -                   | -                 | -                    | -                   | -                    | 1,547,500            | 1,547,500             |
| 24 Ligon Mill Road Complete Streets                  | M-3           | -                    | -                   | -                 | -                    | -                   | -                    | 4,000,000            | 4,000,000             |
| 25 Wake Forest Bypass Greenway - Phase 2             | M-3           | -                    | -                   | -                 | -                    | -                   | -                    | 7,790,000            | 7,790,000             |
| 26 Smith-Austin Creek Greenway & Heritage Hills Spur | M-3           | -                    | -                   | -                 | -                    | -                   | -                    | 3,916,600            | 3,916,600             |
| <b>TOTALS</b>  |               | <b>\$ 13,350,900</b> | <b>\$ 8,221,700</b> | <b>\$ 708,900</b> | <b>\$ 10,001,200</b> | <b>\$ 7,480,400</b> | <b>\$ 18,008,900</b> | <b>\$ 78,491,700</b> | <b>\$ 136,263,700</b> |


















\* **Bold** denotes project which includes 2014 bond referendum allocation

|                       |   |                             |
|-----------------------|---|-----------------------------|
| Priority definitions: | H | High                        |
|                       | M | Medium                      |
|                       | L | Low                         |
| Program type:         | 1 | Health/Safety/Welfare       |
|                       | 2 | Maintenance/Replacement     |
|                       | 3 | Existing programs expansion |
|                       | 4 | New programs expansion      |

**Note 1:** This section is used to account for the design, construction and improvements to greenways, trails, bike paths and pedestrian access throughout the town.



**LEGEND**

|   |                     |   |                    |
|---|---------------------|---|--------------------|
|   | Greenway Project    |  | Streets            |
|   | Roadway Project     |  | Greenways          |
|   | Pedestrian Project  |  | Major Streams      |
|  | Parks               |  | Major Water Bodies |
|  | Private School      |  | Open Space         |
|  | Public School       |  | Park               |
|  | University          |  | School             |
|  | Other Jurisdictions |  | Town Limits        |
|   |                     |  | Town Jurisdiction  |

0 0.25 0.5 1 Miles

Please note that this map is intended for illustrative purposes only. For specific inquiries regarding data displayed here, contact the Wake Forest Department of Planning at 919-435-9510.

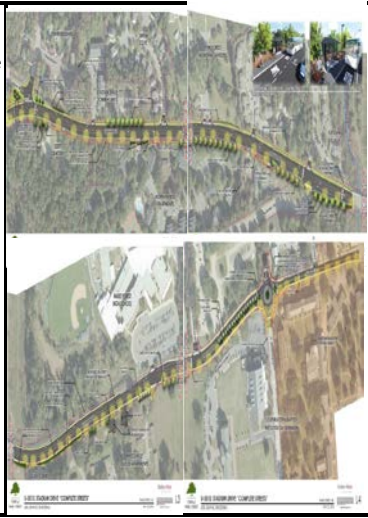
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |                                      |
|--------------------------|---|--------------------------------------|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Jonathan Jacobs | <b>Departmental Priority</b><br>High |
|--------------------------|---|--------------------------------------|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br>Roadway - Stadium Drive Complete Streets | <b>TYPE OF PROJECT</b><br>1 - Health/Safety/Welfare<br>2 - Maintenance/Replacement<br>X 3 - Existing Programs Expansion<br>4 - New Program |
|--|--|

**PROJECT DESCRIPTION**  
Construction to implement a Complete Streets vision along Stadium Drive (SR1930) from Capital Blvd (US-1) to N. Wingate St. (SR 1954). This project would extend the center turn lane, add curb and gutter, and pave wider shoulders on both sides of the road. A roundabout is planned at the intersection of Stadium Drive and N. Wingate Street. Additional turn lanes would be marked at intersections and driveways where needed. Pedestrian and bicycle improvements from Glencoe Drive to the bridge over Richland Creek include a 10-foot wide multi-use path on the south side and a 5-foot wide sidewalk on the north side. From the bridge to N. Wingate Street there will be sidewalks on both sides of the road. Shared-lane bicycle markings (called "sharrows") will be added to the travel lanes along the entire corridor. The project also will include two pedestrian refuge islands, high visibility crosswalks, and accessible transit stops.

**JUSTIFICATION**  
Implementation of the adopted Transportation, Bicycle & Pedestrian Plans for the Town of Wake Forest. The Town received Locally Administered Projects Program (LAPP) funding to complete preliminary engineering (design & environmental documentation) during FY2013-14. Federal authorization for preliminary engineering was approved in the amount of \$293,000 (\$234,400 federal; \$58,600 local). Staff pursued 6,466,750 federal; \$3,885,750 local). Project is under construction with plans to be completed in June 2020. Debt will be issued soon for this project.



|   |   |
|---|---|
| <b>PROJECT ALTERNATIVES</b><br>No alternative proposed. | <b>OPERATING IMPACT/OTHER COMMENTS</b><br>None. |
|---|---|

|   |  |                        |              |
|---|--|------------------------|--------------|
| <b>PROJECT STATUS</b><br>Funds Approved to Date | Continuation - FY 2014<br>\$ 8,993,765 | Funds Expended to Date | \$ 2,585,245 |
|---|--|------------------------|--------------|

| CAPITAL COST BREAKDOWN            | Prior to July 2019  | 2019-20             | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|-----------------------------------|---------------------|---------------------|-------------|-------------|-------------|-------------|--------------|
| Planning & Engineering            | \$ 425,600          | \$ -                | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
| Purchase                          | 233,900             | -                   | -           | -           | -           | -           | -            |
| Construction                      | 6,378,900           | 566,000             | -           | -           | -           | -           | -            |
| Equipment                         | 183,500             | -                   | -           | -           | -           | -           | -            |
| Contingency *CA/CEI/NC DOT Review | 702,500             | 2,153,400           | -           | -           | -           | -           | -            |
| <b>Total Project Costs</b>        | <b>\$ 7,924,400</b> | <b>\$ 2,719,400</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)                          | Prior to July 2019  | 2019-20             | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|--|---------------------|---------------------|-------------|-------------|-------------|-------------|--------------|
| General Fund                               | \$ 76,900           | \$ -                | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
| Capital Reserve                            | 52,000              | -                   | -           | -           | -           | -           | -            |
| GO Bonds - Current Referendum - Not Issued | 1,881,000           | -                   | -           | -           | -           | -           | -            |
| GO Bonds - Future Referendum FY 2020       | 1,257,800           | -                   | -           | -           | -           | -           | -            |
| Grants - LAPP FFY13 - Awarded              | 234,400             | -                   | -           | -           | -           | -           | -            |
| Grants - LAPP FFY16 - Awarded              | 3,328,000           | -                   | -           | -           | -           | -           | -            |
| COR Inter-Municipal Agreement              | 675,000             | -                   | -           | -           | -           | -           | -            |
| Grants - High Impact/Low Cost              | -                   | 100,000             | -           | -           | -           | -           | -            |
| Grant - FFY19                              | 419,300             | 2,619,400           | -           | -           | -           | -           | -            |
|  | -                   | -                   | -           | -           | -           | -           | -            |
| <b>Total Funding Sources</b>               | <b>\$ 7,924,400</b> | <b>\$ 2,719,400</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST: \$ 10,643,800**

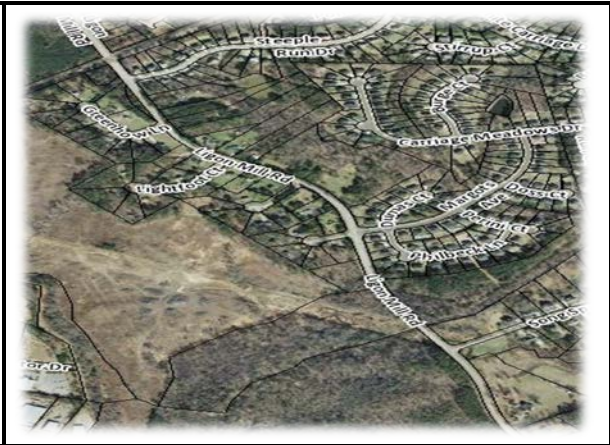
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |                                      |
|--------------------------|---|--------------------------------------|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>High |
|--------------------------|---|--------------------------------------|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br>Roadway - Ligon Mill Road Operational Improvements | <b>TYPE OF PROJECT</b><br>1 - Health/Safety/Welfare<br>2 - Maintenance/Replacement<br>3 - Existing Programs Expansion<br>4 - New Program |
|--|--|

**PROJECT DESCRIPTION**  
TIP No. U-5118BA. Design and ROW complete. Construction to implement a Complete Streets and Operational Improvements along Ligon Mill Road (SR 2044) from US 1 Alt (South Main Street) to the Walmart driveway, approximately 500 feet north of Brimfield Springs Lane. The project length is 0.371 miles. The typical section includes a four lane divided roadway with curb and gutter, 4' wide bike lanes and 5-ft+ wide sidewalks on both sides of the roadway. and high visibility crosswalks & ramps. Access to the Smith Creek Greenway will be included. Funding through LAPP. The project is currently under construction and debt will be issued soon for the project. Construction is expected to be completed by June 2019 and the project completion is expected to be June 2020.

**JUSTIFICATION**  
Implementation of the adopted **Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest.



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
None.

|   |  |                                      |
|---|--|--------------------------------------|
| <b>PROJECT STATUS</b><br>Funds Approved to Date | Continuation - FY 2017<br>\$ 3,013,000 | Funds Expended to Date<br>\$ 912,228 |
|---|--|--------------------------------------|

| CAPITAL COST BREAKDOWN            | Prior to July 2019  | 2019-20             | 2020-21           | 2021-22     | 2022-23     | 2023-24     | Future Years |
|-----------------------------------|---------------------|---------------------|-------------------|-------------|-------------|-------------|--------------|
| Planning & Engineering            | \$ 298,200          | \$ -                | \$ -              | \$ -        | \$ -        | \$ -        | \$ -         |
| Purchase                          | 522,100             | -                   | -                 | -           | -           | -           | -            |
| Utilities                         | 75,300              | -                   | -                 | -           | -           | -           | -            |
| Construction                      | 876,900             | 2,455,300           | 175,400           | -           | -           | -           | -            |
| Contingency *CA/CEI/NC DOT Review | 182,500             | 511,200             | 36,500            | -           | -           | -           | -            |
| <b>Total Project Costs</b>        | <b>\$ 1,955,000</b> | <b>\$ 2,966,500</b> | <b>\$ 211,900</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)                                 | Prior to July 2019  | 2019-20             | 2020-21           | 2021-22     | 2022-23     | 2023-24     | Future Years |
|---|---------------------|---------------------|-------------------|-------------|-------------|-------------|--------------|
| General Fund                                      | \$ -                | \$ -                | \$ -              | \$ -        | \$ -        | \$ -        | \$ -         |
| GO Bonds - 2014 Referendum - (Issued)             | 844,000             | -                   | -                 | -           | -           | -           | -            |
| GO Bonds - Future Referendum FY 2020              | 360,000             | 1,010,400           | 67,600            | -           | -           | -           | -            |
| Grants - LAPP Funds - Awarded                     | 623,000             | 1,311,400           | 93,700            | -           | -           | -           | -            |
| Grants - Future LAPP 50/50 Supplemental Agreement | -                   | 644,700             | 50,600            | -           | -           | -           | -            |
| Other - Developer Fees*                           | 128,000             | -                   | -                 | -           | -           | -           | -            |
| <b>Total Funding Sources</b>                      | <b>\$ 1,955,000</b> | <b>\$ 2,966,500</b> | <b>\$ 211,900</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST: \$ 5,133,400**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

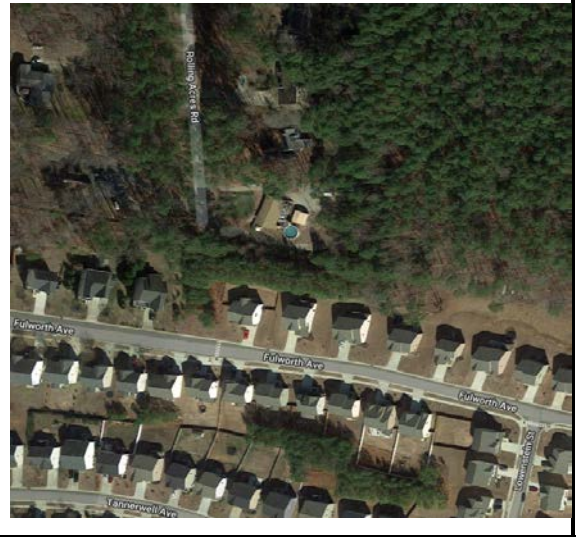
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|--------------------------|---|--------------------------------------|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>High |
|--------------------------|---|--------------------------------------|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br>Roadway - Road Connections | <b>TYPE OF PROJECT</b><br>1 - Health/Safety/Welfare<br>2 - Maintenance/Replacement<br>X 3 - Existing Programs Expansion<br>4 - New Program |
|--|--|

**PROJECT DESCRIPTION**  
Roadway connections.

**JUSTIFICATION**  
Connect roadway as part of the Transportation Plan, which will allow for faster response time for Fire and EMS in case of an emergency. As well as an alternate route for traffic. Projects added per BOC recommendation. Foundation Drive design to be in conjunction with the Parks & Recreation Department Master Plan for 94 acres.

| Projected Start Year | Project                               | Total Cost |
|----------------------|---------------------------------------|------------|
| FY 2017/18:          | Foundation Drive (Preliminary Design) | \$41,800   |
| FY 2018/19           | Foundation Drive (Design)             | 200,000    |
| FY 2019/20           | Brewer Circle                         | 300,000    |
| FY 2020/21           | South Allen                           | 305,000    |
|                      | Rolling Acres                         | 100,000    |
| FY 2023-24           | Foundation Dr. (Construction)         | 7,200,000  |



**PROJECT ALTERNATIVES**  
N/A

**OPERATING IMPACT/OTHER COMMENTS**  
Roadway Connections prior to July 2019 were combined with street rehabilitation for one debt issuance (\$2.4 million - Installment Purchase Agreement)

|                        |                        |                        |
|------------------------|------------------------|------------------------|
| <b>PROJECT STATUS</b>  | Continuation - FY 2017 |                        |
| Funds Approved to Date | \$ 1,200,000           | Funds Expended to Date |
|                        |                        | \$ 915,135             |

| CAPITAL COST BREAKDOWN     | Prior to July 2019  | 2019-20           | 2020-21     | 2021-22          | 2022-23     | 2023-24             | Future Years |
|----------------------------|---------------------|-------------------|-------------|------------------|-------------|---------------------|--------------|
| Planning & Engineering     | \$ 171,500          | \$ 25,000         | \$ -        | \$ -             | \$ -        | \$ -                | \$ -         |
| Purchase                   | -                   | -                 | -           | 50,000           | -           | -                   | -            |
| Construction               | 845,500             | 275,000           | -           | -                | -           | 7,891,000           | -            |
| Contingency                | -                   | -                 | -           | -                | -           | -                   | -            |
| <b>Total Project Costs</b> | <b>\$ 1,017,000</b> | <b>\$ 300,000</b> | <b>\$ -</b> | <b>\$ 50,000</b> | <b>\$ -</b> | <b>\$ 7,891,000</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)                    | Prior to July 2018  | 2019-20           | 2020-21     | 2021-22          | 2022-23     | 2023-24             | Future Years |
|--------------------------------------|---------------------|-------------------|-------------|------------------|-------------|---------------------|--------------|
| General Fund                         | \$ -                | \$ 267,000        | \$ -        | \$ 50,000        | \$ -        | \$ -                | \$ -         |
| Installment Purchase                 | 950,000             | -                 | -           | -                | -           | -                   | -            |
| GO Bonds - Future Referendum FY 2024 | -                   | -                 | -           | -                | -           | 7,891,000           | -            |
| Capital Reserve                      | 67,000              | 33,000            | -           | -                | -           | -                   | -            |
| <b>Total Funding Sources</b>         | <b>\$ 1,017,000</b> | <b>\$ 300,000</b> | <b>\$ -</b> | <b>\$ 50,000</b> | <b>\$ -</b> | <b>\$ 7,891,000</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST: \$ 9,258,000**



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019- 2024**

|  |  |                                      |
|--|--|--------------------------------------|
| <b>DEPARTMENT</b><br>GTP   | <b>PROJECT MANAGER</b><br>Suzette Moraes | <b>DEPARTMENTAL PRIORITY</b><br>High |
| <b>PROJECT TITLE</b><br><br>Roadway - Durham Road Operational Improvements | <b>TYPE OF PROJECT</b>                   |                                      |
|  | 1 - Health/Safety/Welfare                |                                      |
|  | 2 - Maintenance/Replacement              |                                      |
|  | <b>X</b>                                 |                                      |
|  | 3 - Existing Programs Expansion          |                                      |
|  | 4 - New Program                          |                                      |

**PROJECT DESCRIPTION**  
Preliminary engineering, NEPA documentation, ROW, and construction to implement a Complete Streets vision along Durham Road (NC 98 Bus) from Retail Drive to Tyler Run Drive in Wake Forest. The lanes within the existing project area vary from 6-lanes from Retail Drive to NB US1 Ramp to 2-lanes from NB US1 Ramp to Tyler Run Drive. Improvements from Retail Drive to Cloverleaf Drive include adding sidewalk to both sides of Durham Road behind existing curb & gutter. From Cloverleaf Drive to the US NB Ramp, improvements involve adding a dedicated sidewalk section through the interchange along the south side of Durham Road, inclusive of the addition of curb & gutter and the adjustment of existing concrete barrier rail and guardrail through the overpass. East of US 1 NB Ramps, the improvements include a three-lane curb & gutter section from St. John's Episcopal Church driveway to just east of Richland Drive, sidewalk on the north side and multi-use path on the south side. The multi-use path would continue on the south side of Durham Road (NC 98 BUS) and Tyler Run Drive. This project would extend the center turn lane for the full length of the corridor. The proposed pedestrian connections would eliminate a 1.6 mile gap from Durham Road (NC98 Bus): Richland Creek Plaza multi-use path terminus to Tyler Run Drive. A sidewalk extension from Durham Road along Cloverleaf Drive, will be included. The proposed project includes design for 969 lf multi-use path, and 6,983 lf sidewalk. ROW plans for easement and/or land acquisition will be required.

**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. In addition to improving traffic flow, this project would fill a 1.6 mile gap on Durham Road by installing a combination of multi-use path and sidewalk to link with existing pedestrian facilities on Durham Rd. Many of these sidewalk sections are critical missing pieces needed for efficient and safe pedestrian access to schools and work places. In many cases, there are foot worn paths indicating many pedestrians are striving to walk in a hostile environment which presents several safety concerns. Shared-lane bicycle markings (called "sharrows") will be added to the travel lanes in designated areas along the corridor. Sharrows increase a driver's awareness of the presence of bicyclists and reduce the likelihood of bicycling in the wrong direction. Many commuters are traveling to/from downtown Wake Forest to Durham Rd in order to shop and dine at the local commercial businesses, reach other destinations such as work sites, schools and residential areas. Staff pursued a FFY2017 Locally Administered Projects Program (LAPP) funding to support right-of-way acquisition and construction.



**PROJECT ALTERNATIVES**  
N/A

**OPERATING IMPACT/OTHER COMMENTS**  
N/A.

|                               |                        |
|-------------------------------|------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2017 |
| <i>Funds Approved to Date</i> | \$ 2,433,100           |
| <i>Funds Expended to Date</i> | \$ 239,652             |

| CAPITAL COST BREAKDOWN           | Prior to July 2019 | 2019-20      | 2020-21 | 2021-22      | 2022-23      | 2023-24 | Future Years |
|----------------------------------|--------------------|--------------|---------|--------------|--------------|---------|--------------|
| Planning & Engineering           | \$ 491,800         | \$ 347,200   | \$ -    | \$ -         | \$ -         | \$ -    | \$ -         |
| Purchase                         | 50,000             | 1,130,000    | -       | -            | -            | -       | -            |
| Construction & Utilities         | -                  | -            | -       | 4,759,000    | 2,562,500    | -       | -            |
| Contingency *CA/CE/NC DOT Review | -                  | -            | -       | 1,189,800    | 640,600      | -       | -            |
| <b>Total Project Costs</b>       | \$ 541,800         | \$ 1,477,200 | \$ -    | \$ 5,948,800 | \$ 3,203,100 | \$ -    | \$ -         |

| FUNDING SOURCE(S)                           | Prior to July 2019 | 2019-20      | 2020-21 | 2021-22      | 2022-23      | 2023-24 | Future Years |
|---|--------------------|--------------|---------|--------------|--------------|---------|--------------|
| General Fund                                | \$ -               | \$ -         | \$ -    | \$ -         | \$ -         | \$ -    | \$ -         |
| GO Bonds - Current Referendum - Not Issued  | 323,000            | 72,000       | -       | -            | -            | -       | -            |
| GO Bonds - Future Referendum FY 2020        | 178,800            | 488,400      | -       | 2,674,300    | 1,601,550    | -       | -            |
| Grants - LAPP FFY17 - Awarded               | 40,000             | 916,800      | -       | 1,081,300    | -            | -       | -            |
| Grants Future Application - LAPP SA (50/50) | -                  | -            | -       | 2,193,200    | 1,601,550    | -       | -            |
| <b>Total Funding Sources</b>                | \$ 541,800         | \$ 1,477,200 | \$ -    | \$ 5,948,800 | \$ 3,203,100 | \$ -    | \$ -         |

**TOTAL PROJECT COST:** \$ 11,170,900

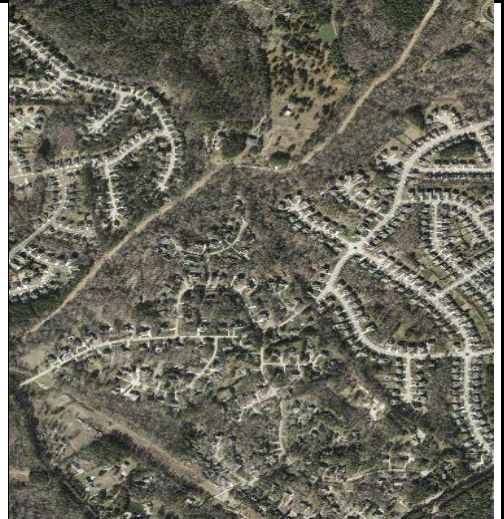
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                   |                        |                              |
|-------------------|------------------------|------------------------------|
| <b>DEPARTMENT</b> | <b>PROJECT MANAGER</b> | <b>DEPARTMENTAL PRIORITY</b> |
| GTP               | Suzette Morales        | High                         |

|   |  |
|---|--|
| <b>PROJECT TITLE</b>                      | <b>TYPE OF PROJECT</b>   |
| Greenway - Smith Creek Greenway - Phase 3 | 1 - Health/Safety/Welfare<br>2 - Maintenance/Replacement<br>3 - Existing Programs Expansion<br>4 - New Program |
|   | X  |

**PROJECT DESCRIPTION**  
Engineering Design, ROW acquisition, and construction of approximately 0.8 miles of greenway trail. This segment will extend the recently constructed Smith & Sanford Creek Greenways from south of Heritage High School to Ligon Mill Road.

**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. To connect residents with each other and to important destinations, providing for conservation of natural resources, recreation, and bicycle/pedestrian transportation opportunities while preserving greenspaces in Wake Forest. Safer bike/pedestrian facilities and crossings are needed along Burlington Mills and Ligon Mills Rds. Wake Forest will create major bike/pedestrian commuter connections along the Smith Creek corridor, thus linking the residential areas along Burlington Mills and Ligon Mill Rds, Heritage Elementary, Middle, and High schools, and Heritage Park via greenway. Wake Forest received a 2016 Clean Water Management Trust Fund (CWMTF) grant for additional funding of \$513,581 to support ROW for phase 2 and phase 3.



**PROJECT ALTERNATIVES**

N/A

**OPERATING IMPACT/OTHER COMMENTS**

LAPP FFY22 CON (70/30), Clean Water Management Trust Fund (60/40) ROW. Greenways Advisory Board Priority #1

|                        |                        |                               |
|------------------------|------------------------|-------------------------------|
| <b>PROJECT STATUS</b>  | Continuation - FY 2017 | <b>Funds Expended to Date</b> |
| Funds Approved to Date | \$ 613,053             | \$ 178,168                    |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23           | 2023-24             | Future Years      |
|----------------------------|--------------------|-------------------|-------------|-------------|-------------------|---------------------|-------------------|
| Planning & Engineering     | \$ 241,400         | \$ -              | \$ -        | \$ -        | \$ -              | \$ -                | \$ -              |
| Purchase                   | -                  | 168,200           | -           | -           | -                 | -                   | -                 |
| Construction               | -                  | -                 | -           | -           | 401,800           | 1,472,000           | 622,500           |
| Equipment                  | -                  | -                 | -           | -           | -                 | 13,900              | -                 |
| Contingency                | -                  | -                 | -           | -           | 85,000            | 435,700             | 217,900           |
| Other - PAC 1%             | 2,400              | -                 | -           | -           | 4,900             | 19,100              | 8,400             |
| <b>Total Project Costs</b> | <b>\$ 243,800</b>  | <b>\$ 168,200</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 491,700</b> | <b>\$ 1,940,700</b> | <b>\$ 848,800</b> |

| FUNDING SOURCE(S)                                  | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23           | 2023-24             | Future Years      |
|--|--------------------|-------------------|-------------|-------------|-------------------|---------------------|-------------------|
| General Fund                                       | \$ -               | \$ 45,900         | \$ -        | \$ -        | \$ -              | \$ -                | \$ -              |
| GO Bonds - Current Referendum (2014) - Unissued    | 243,800            | -                 | -           | -           | -                 | -                   | -                 |
| GO Bonds - Future Referendum FY 2024               | -                  | -                 | -           | -           | -                 | 605,300             | 260,500           |
| Future Grant Application - LAPP Grant FY 2022(70%) | -                  | -                 | -           | -           | 491,700           | 1,335,400           | 588,300           |
| Grants Awarded - CWMTF - 2016 Grant (60%)          | -                  | 122,300           | -           | -           | -                 | -                   | -                 |
| <b>Total Funding Sources</b>                       | <b>\$ 243,800</b>  | <b>\$ 168,200</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 491,700</b> | <b>\$ 1,940,700</b> | <b>\$ 848,800</b> |

**TOTAL PROJECT COST: \$ 3,693,200**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |                                      |
|--------------------------|---|--------------------------------------|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>High |
|--------------------------|---|--------------------------------------|

|   |  |                           |                             |  |                 |
|---|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Greenway - Smith Creek Greenway - Phase 2 | <b>TYPE OF PROJECT</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare   |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement   |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion                              |  |                           |                             |  |                 |
| 4 - New Program   |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
Engineering Design, ROW acquisition, and construction of approximately 1.1 miles of greenway trail and trailhead. This segment will provide a connection from Ligon Mill Road to Burlington Mills Road and ultimately to Raleigh's Neuse River Greenway via the Wake Forest Connector bridge. The design of the 40 parking spaces trailhead on Ligon Mill Road is designed under this project but constructed by NCDOT with B-5318 - Ligon Mill Road Underpass.



**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. To connect residents with each other and to important destinations, providing for conservation of natural resources, recreation, and bicycle/pedestrian transportation opportunities while preserving greenspaces in Wake Forest. Safer bike/pedestrian facilities and crossings are needed along Burlington Mills and Ligon Mills Rds. Wake Forest will create major bike/pedestrian commuter connections along the Smith Creek corridor, thus linking the residential areas along Burlington Mills and Ligon Mill Rds, Heritage Elementary, Middle, and High schools, and Heritage Park via greenway. Staff pursued a Wake County Open Space Program grant during March/April 2014. Wake Forest has received \$941,000 for design and construction from the Wake Co. grant in support of the greenway project and a 2016 Clean Water Management Trust Fund (CWMTF) grant for additional funding of \$513,581 to support ROW for phase 2 and phase 3.

**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
LAPP FFY20 CON (70/30), Wake County Open Space Grant (50/50) PE & CON, Clean Water Management Trust Fund (60/40) ROW. Greenways Advisory Board Priority #1

|   |                                      |                                      |
|---|--------------------------------------|--------------------------------------|
| <b>PROJECT STATUS</b><br>Funds Approved to Date | Continuation - FY 2017<br>\$ 842,947 | Funds Expended to Date<br>\$ 275,659 |
|---|--------------------------------------|--------------------------------------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019  | 2019-20           | 2020-21     | 2021-22             | 2022-23             | 2023-24             | Future Years |
|----------------------------|---------------------|-------------------|-------------|---------------------|---------------------|---------------------|--------------|
| Planning & Engineering     | \$ 425,800          | \$ -              | \$ -        | \$ -                | \$ -                | \$ -                | \$ -         |
| Purchase                   | 479,100             | 345,400           | -           | -                   | -                   | -                   | -            |
| Construction               | -                   | -                 | -           | 855,900             | 1,711,800           | 855,900             | -            |
| Equipment                  | -                   | -                 | -           | -                   | 13,900              | -                   | -            |
| Contingency                | 96,200              | -                 | -           | 217,800             | 435,600             | 217,800             | -            |
| Other - PAC 1%             | 9,100               | -                 | -           | 8,600               | 17,100              | 8,600               | -            |
| <b>Total Project Costs</b> | <b>\$ 1,010,200</b> | <b>\$ 345,400</b> | <b>\$ -</b> | <b>\$ 1,082,300</b> | <b>\$ 2,178,400</b> | <b>\$ 1,082,300</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)                               | Prior to July 2019  | 2019-20           | 2020-21     | 2021-22             | 2022-23             | 2023-24             | Future Years |
|---|---------------------|-------------------|-------------|---------------------|---------------------|---------------------|--------------|
| General Fund                                    | \$ -                | \$ -              | \$ -        | \$ 106,300          | \$ 311,200          | \$ -                | \$ -         |
| GO Bonds - Current Referendum (2014)            | 318,200             | -                 | -           | -                   | -                   | -                   | -            |
| Grants - Awarded - Wake County Open Space (50%) | 212,900             | -                 | -           | 364,000             | 364,000             | -                   | -            |
| Application - LAPP Grant FY 2021 (70%)          | -                   | -                 | -           | 248,000             | 1,139,200           | 751,600             | -            |
| Grants - CWMTF - 2016 Grant Award (60%)         | -                   | 221,500           | -           | -                   | -                   | -                   | -            |
| Kitchen Farms Donation                          | 479,100             | -                 | -           | -                   | -                   | -                   | -            |
| GO Bonds - Future Referendum FY 2020            | -                   | 123,900           | -           | 364,000             | 364,000             | 330,700             | -            |
| <b>Total Funding Sources</b>                    | <b>\$ 1,010,200</b> | <b>\$ 345,400</b> | <b>\$ -</b> | <b>\$ 1,082,300</b> | <b>\$ 2,178,400</b> | <b>\$ 1,082,300</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** \$ 5,698,600

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |  |
|--------------------------|---|--|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--------------------------|---|--|

|  |  |                           |                             |  |                 |
|--|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Sidewalk - W. Holding Avenue | <b>TYPE OF PROJECT</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare                                |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement                              |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion                 |  |                           |                             |  |                 |
| 4 - New Program  |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
Multiyear project. Add sidewalk to the north side of W. Holding Avenue from S. Main Street to west end. Project consists of narrowing the roadway width by resetting the curb and gutter and storm drain facilities. Traffic calming measures will be included. Construction work will be done by Town Street Division. Phase 1 will extend from Elmwoon Ct to St. Catherines Church, approximately 650 lf.

**JUSTIFICATION**  
W. Holding Avenue is a residential collector street. Current policy requires sidewalks on both sides. Concerns with speeding from neighborhood residents allows traffic calming measures to be included.



**PROJECT ALTERNATIVES**  
None.

**OPERATING IMPACT/OTHER COMMENTS**  
Costs shown are material costs.

|  |                        |                               |      |
|--|------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | Continuation - FY 2014 | <i>Funds Expended to Date</i> |      |
|  | \$ -                   |                               | \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20          | 2020-21          | 2021-22          | 2022-23          | 2023-24     | Future Years |
|----------------------------|--------------------|------------------|------------------|------------------|------------------|-------------|--------------|
| Planning & Engineering     | \$ -               | \$ 15,000        | \$ -             | \$ -             | \$ -             | \$ -        | \$ -         |
| Construction               | -                  | 35,000           | 35,000           | 35,000           | 35,000           | -           | -            |
| Contingency                | -                  | -                | -                | -                | -                | -           | -            |
| Other                      | -                  | -                | -                | -                | -                | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 50,000</b> | <b>\$ 35,000</b> | <b>\$ 35,000</b> | <b>\$ 35,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20          | 2020-21          | 2021-22          | 2022-23          | 2023-24     | Future Years |
|------------------------------|--------------------|------------------|------------------|------------------|------------------|-------------|--------------|
| General Fund                 | \$ -               | \$ 50,000        | \$ 35,000        | \$ 35,000        | \$ 35,000        | \$ -        | \$ -         |
|                              | -                  | -                | -                | -                | -                | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 50,000</b> | <b>\$ 35,000</b> | <b>\$ 35,000</b> | <b>\$ 35,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** \$ 155,000

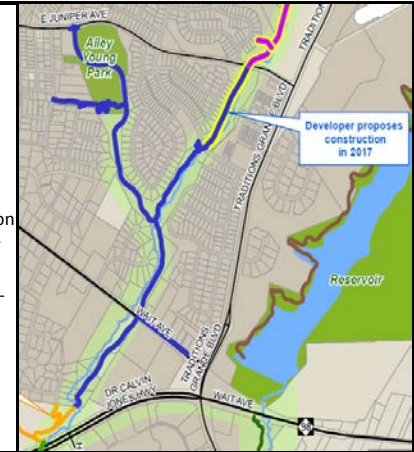
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |                                      |
|--------------------------|---|--------------------------------------|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>High |
|--------------------------|---|--------------------------------------|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br>Greenway - Dunn Creek Greenway Phase 3 | <b>TYPE OF PROJECT</b><br>1 -Health/Safety/Welfare<br>2 - Maintenance/Replacement<br><b>X</b> 3 - Existing Programs Expansion<br>4 - New Program |
|--|--|

**PROJECT DESCRIPTION**  
Preliminary engineering, ROW acquisition, and construction of Dunn Creek Greenway: Town Property to NC 98 Business(Wait Avenue) to E Juniper Ave . This project includes a 1.9 mile trail connection to Ailey Young Park within the Northeast Neighborhood. There are approximately nine pedestrian bridge crossings proposed for this project.

**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. Dunn Creek is key north/south corridor that connects the Neuse River. Once completed, the segment will provide access to downtown Wake Forest, residential subdivisions, commercial developments, schools, Ailey Young Park on E. Juniper Avenue (Northeast End), Wake Forest Reservoir, and Smith Creek Soccer Center. The benefits that a greenway can bring to this area include: stormwater capacity, that can balance increased impervious surfaces, recreation opportunities, buffers, and a route for pedestrian and bicycle transportation. The Town is paying for Design and Right-of-Way. Staff will also pursue a LAPP grant during the FFY2021 call for projects to support the cost of construction for the Dunn Creek Greenway, Phase 3 project. The Federal Fiscal Year (FFY) for 2021 is October 1, 2020 through September 30, 2021.



**PROJECT ALTERNATIVES**  
N/A.

**OPERATING IMPACT/OTHER COMMENTS**  
\*LAPP FFY21 (70/30) Construction  
\*Greenways Advisory Board Priority #2

|                               |                        |  |
|-------------------------------|------------------------|--|
| <b>PROJECT STATUS</b>         | Continuation - FY 2014 |  |
| <i>Funds Approved to Date</i> | \$ 593,000             | <i>Funds Expended to Date</i> \$ 550,981 |

| CAPITAL COST BREAKDOWN            | Prior to July 2019 | 2019-20          | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|-----------------------------------|--------------------|------------------|-------------|-------------|-------------|-------------|---------------------|
| Planning & Engineering            | \$ 572,900         | \$ -             | \$ -        | \$ -        | \$ -        | \$ -        | \$ -                |
| Purchase                          | 30,000             | 20,000           | -           | -           | -           | -           | -                   |
| Construction                      | -                  | -                | -           | -           | -           | -           | 5,692,800           |
| Equipment                         | -                  | -                | -           | -           | -           | -           | -                   |
| Contingency *CA/CEI/NC DOT Review | -                  | -                | -           | -           | -           | -           | 1,707,800           |
| Other- PAC                        | 5,800              | -                | -           | -           | -           | -           | 74,200              |
| <b>Total Project Costs</b>        | <b>\$ 608,700</b>  | <b>\$ 20,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 7,474,800</b> |

| FUNDING SOURCE(S)                                 | Prior to July 2019 | 2019-20          | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|---|--------------------|------------------|-------------|-------------|-------------|-------------|---------------------|
| General Fund                                      | \$ 15,700          | \$ 20,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 58,000           |
| GO Bonds - Current Referendum (2014) - Not Issued | 593,000            | -                | -           | -           | -           | -           | -                   |
| GO Bonds - Future Referendum - FY 2024            | -                  | -                | -           | -           | -           | -           | 2,236,400           |
| Grants - Future Application - FFY2021 LAPP (70%)  | -                  | -                | -           | -           | -           | -           | 5,180,400           |
| <b>Total Funding Sources</b>                      | <b>\$ 608,700</b>  | <b>\$ 20,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 7,474,800</b> |

**TOTAL PROJECT COST: \$ 8,103,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |  |                                      |
|--------------------------|--|--------------------------------------|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Chip Russell | <b>DEPARTMENTAL PRIORITY</b><br>High |
|--------------------------|--|--------------------------------------|

|   |   |                           |                             |                                   |                 |
|---|---|---------------------------|-----------------------------|-----------------------------------|-----------------|
| <b>PROJECT TITLE</b><br><br>Roadway - Harris Road Extension (Formerly Northside Loop) | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td>X 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | X 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare   |   |                           |                             |                                   |                 |
| 2 - Maintenance/Replacement   |   |                           |                             |                                   |                 |
| X 3 - Existing Programs Expansion   |   |                           |                             |                                   |                 |
| 4 - New Program   |   |                           |                             |                                   |                 |

**PROJECT DESCRIPTION**  
Design, ROW acquisition, and construction to complete the Northside Loop: North White Street to North Main Street. The typical section includes two lane divided road with curb & gutter and multi-use path on both sides of the road.

**JUSTIFICATION**  
Implementation of the adopted **Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. Staff will pursue a LAPP grant and other funding options to support this effort.



|                                     |  |
|-------------------------------------|--|
| <b>PROJECT ALTERNATIVES</b><br>N/A. | <b>OPERATING IMPACT/OTHER COMMENTS</b><br>North Main Street to Capital Blvd is a state road and is eligible for LAPP funding. With LAPP grant funds the town's share would be 20% of the total project cost. Estimated project cost -- \$14,000,000 (\$11,200,000 federal; \$2,800,000 local). |
|-------------------------------------|--|

|   |                                |                        |      |
|---|--------------------------------|------------------------|------|
| <b>PROJECT STATUS</b><br>Funds Approved to Date | Continuation - FY 2017<br>\$ - | Funds Expended to Date | \$ - |
|---|--------------------------------|------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years         |
|----------------------------|--------------------|-------------------|-------------|-------------|-------------|-------------|----------------------|
| Planning & Engineering     | \$ 50,000          | \$ 100,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 300,000           |
| Purchase                   | -                  | -                 | -           | -           | -           | -           | 3,000,000            |
| Construction               | -                  | -                 | -           | -           | -           | -           | 10,000,000           |
| *CA/CEI/NC DOT Review      | -                  | -                 | -           | -           | -           | -           | 500,000              |
| Other                      | -                  | -                 | -           | -           | -           | -           | 105,000              |
| <b>Total Project Costs</b> | <b>\$ 50,000</b>   | <b>\$ 100,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 13,905,000</b> |

| FUNDING SOURCE(S)                               | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years         |
|---|--------------------|-------------------|-------------|-------------|-------------|-------------|----------------------|
| General Fund                                    | \$ -               | \$ -              | \$ -        | \$ -        | \$ -        | \$ -        | \$ -                 |
| GO Bonds - Current Referendum (2014) - Unissued | 50,000             | 100,000           | -           | -           | -           | -           | -                    |
| GO Bonds - Future Referendum FY 2020            | -                  | -                 | -           | -           | -           | -           | 2,700,000            |
| Grants - Future Application                     | -                  | -                 | -           | -           | -           | -           | 6,205,000            |
| Grants - CSX Contribution - Future Application  | -                  | -                 | -           | -           | -           | -           | 5,000,000            |
| <b>Total Funding Sources</b>                    | <b>\$ 50,000</b>   | <b>\$ 100,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 13,905,000</b> |

**TOTAL PROJECT COST: \$ 14,055,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**  
GTP

**PROJECT MANAGER**  
Suzette Morales

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
*Traffic/Pedestrian Signals*

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 - Health/Safety/Welfare       |
|                 | 2 - Maintenance/Replacement     |
| X               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Addition of traffics when warranted.

**JUSTIFICATION**  
Signal light is needed at intersection due to increased volume of residential development, safety concerns for motorists and pedestrians utilizing trail, soccer center and shopping nearby. Signal warrants have been met at Heritage Lake/Friendship Chapel and Forestville Road/Song Sparrow. Adjacent neighborhoods to contribute upgrades (Steel Poles and Pedestrian Heads) along with NCDOT and Town funding.

Intersections:  
  
Heritage Club/Friendship Chapel Road - FY 2019/20  
Forestville Road/Song Sparrow - FY 2020/21  
  
Wait Avenue/Middlegame - Future



**PROJECT ALTERNATIVES**  
NCDOT Contribution or other funding.

**OPERATING IMPACT/OTHER COMMENTS**  
1) Included in Transportation and Greenway Master Plan

**PROJECT STATUS**  
*Funds Approved to Date* Continuation - FY 2014  
\$ - *Funds Expended to Date* \$ -

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20          | 2020-21           | 2021-2022         | 2022-2023   | 2023-2024   | Future Years      |
|----------------------------|--------------------|------------------|-------------------|-------------------|-------------|-------------|-------------------|
| Planning & Engineering     | \$ -               | \$ -             | \$ 20,000         | \$ 40,000         | \$ -        | \$ -        | \$ 30,000         |
| Construction               | -                  | 75,000           | 125,000           | 400,000           | -           | -           | 300,000           |
| Other                      | -                  | -                | 50,000            | 50,000            | -           | -           | -                 |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 75,000</b> | <b>\$ 195,000</b> | <b>\$ 490,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 330,000</b> |

| FUNDING SOURCE(S)                       | Prior to July 2019 | 2019-20          | 2020-21           | 2021-2022         | 2022-2023   | 2023-2024   | Future Years      |
|---|--------------------|------------------|-------------------|-------------------|-------------|-------------|-------------------|
| General Fund                            | \$ -               | \$ 35,000        | \$ 70,000         | \$ 160,000        | \$ -        | \$ -        | \$ 132,000        |
| Grants - NCDOT - Future Application     | -                  | 40,000           | 100,000           | 330,000           | -           | -           | 198,000           |
| Other - Heritage Homeowners Association | -                  | -                | 25,000            | -                 | -           | -           | -                 |
| <b>Total Funding Sources</b>            | <b>\$ -</b>        | <b>\$ 75,000</b> | <b>\$ 195,000</b> | <b>\$ 490,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 330,000</b> |

**TOTAL PROJECT COST:** \$ 1,090,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |  |
|--------------------------|---|--|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--------------------------|---|--|

|   |
|---|
| <b>PROJECT TITLE</b><br><br>Bus Shelter Installations |
|---|

|                        |                                 |
|------------------------|---------------------------------|
| <b>TYPE OF PROJECT</b> |                                 |
|                        | 1 - Health/Safety/Welfare       |
|                        | 2 - Maintenance/Replacement     |
| X                      | 3 - Existing Programs Expansion |
|                        | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Installation of Bus shelters, benches, trash cans, lighting and amenities at bus stops along the Wake Forest Loop. The following are the first phase of bus stops in which bus shelters will be installed:

1827 S Main St at NC 98 (The Lodge Retirement Community Center)  
1825 Holding Ave at Northern Regional Center  
1819 Juniper Ave at Taylor Street  
1910 N Main St at W Oak Ave  
1838 Retail Drive at Target  
1830 S Main St at Rogers Rd (Wake Forest Middle School)

**JUSTIFICATION**  
Building supporting infrastructure for our transportation service is vital for the success of our system. Better bike and pedestrian facilities in combination with high quality passenger waiting shelters will result in more ridership and better return on investment on the service hours we operate. The Town will continue to work to add bus shelters and bus stop amenities like benches, lighting and litter receptacles to our system every year.



|  |
|--|
| <b>PROJECT ALTERNATIVES</b><br><br>N/A |
|--|

**OPERATING IMPACT/OTHER COMMENTS**  
Installation of 3 shelters per year at \$15,000 per shelter including benches, litter receptacles and solar lighting. Annual maintenance of bus shelters and emptying of trash receptacles is estimated at \$1,000 annually per shelter.

|  |                               |                               |      |
|--|-------------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | New Project - FY 2020<br>\$ - | <i>Funds Expended to Date</i> | \$ - |
|--|-------------------------------|-------------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21   | 2021-22   | 2022-23 | 2023-24 | Future Years |
|----------------------------|--------------------|---------|-----------|-----------|---------|---------|--------------|
| Planning & Engineering     | \$ -               | \$ -    | \$ 10,000 | \$ 10,000 | \$ -    | \$ -    | \$ -         |
| Construction               | \$ -               | \$ -    | 45,000    | 45,000    | \$ -    | \$ -    | \$ -         |
| Other - PAC 1%             | \$ -               | \$ -    | 600       | 600       | \$ -    | \$ -    | \$ -         |
| <b>Total Project Costs</b> | \$ -               | \$ -    | 55,600    | \$ 55,600 | \$ -    | \$ -    | \$ -         |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20 | 2020-21   | 2021-22   | 2022-23 | 2023-24 | Future Years |
|------------------------------|--------------------|---------|-----------|-----------|---------|---------|--------------|
| General Fund                 | \$ -               | \$ -    | \$ 55,600 | \$ 55,600 | \$ -    | \$ -    | \$ -         |
| <b>Total Funding Sources</b> | \$ -               | \$ -    | \$ 55,600 | \$ 55,600 | \$ -    | \$ -    | \$ -         |

**TOTAL PROJECT COST:** \$ 111,200



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |                                      |
|--------------------------|---|--------------------------------------|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Jonathan Jacobs | <b>DEPARTMENTAL PRIORITY</b><br>High |
|--------------------------|---|--------------------------------------|

|   |  |                           |                             |  |                 |
|---|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Rogers Road Grade Separation</i> | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare                                       |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement                                     |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion                        |  |                           |                             |  |                 |
| 4 - New Program   |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
TIP No. P-5707 Rogers Road (SR 2052) The project will construct a bridge on Rogers Road (S.R. 2052) over the CSX S-line railroad in the same location as the existing at-grade crossing. Current plans include an on-site detour during construction. The project includes a 5-Land Curb & Gutter. The Town will reimburse NCDOT to complete the improvements of Heritage Branch from the end of their project to the intersection of Boulder Pointe Drive.

**JUSTIFICATION**  
Improvements to project P-5707 requested by the Town to include additional sidewalk, vinyl coated fence on top of the retaining walls and vinyl coated fence on bridge, and a turn lane for Grandmark Street.



|                                    |   |
|------------------------------------|---|
| <b>PROJECT ALTERNATIVES</b><br>N/A | <b>OPERATING IMPACT/OTHER COMMENTS</b><br>N/A |
|------------------------------------|---|

|  |                             |                               |      |
|--|-----------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | New Project FY 2020<br>\$ - | <i>Funds Expended to Date</i> | \$ - |
|--|-----------------------------|-------------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21    | 2021-22 | 2022-23 | 2023-24 | Future Years |
|----------------------------|--------------------|---------|------------|---------|---------|---------|--------------|
| Planning & Engineering     | -                  | \$ -    | \$ -       | \$ -    | \$ -    | \$ -    | \$ -         |
| Construction               | -                  | -       | 211,400    | -       | -       | -       | -            |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ 211,400 | \$ -    | \$ -    | \$ -    | \$ -         |

| FUNDING SOURCE(S)                            | Prior to July 2019 | 2019-20 | 2020-21    | 2021-22 | 2022-23 | 2023-24 | Future Years |
|--|--------------------|---------|------------|---------|---------|---------|--------------|
| General Fund                                 | \$ -               | \$ -    | \$ -       | \$ -    | \$ -    | \$ -    | \$ -         |
| GO Bonds - Future Referendum FY 2020         | -                  | -       | 125,500    | -       | -       | -       | -            |
| Fee-In-Lieu Payment from Capital Creek Apts. | -                  | -       | 85,900     | -       | -       | -       | -            |
| <b>Total Funding Sources</b>                 | \$ -               | \$ -    | \$ 211,400 | \$ -    | \$ -    | \$ -    | \$ -         |

**TOTAL PROJECT COST:** \$ 211,400

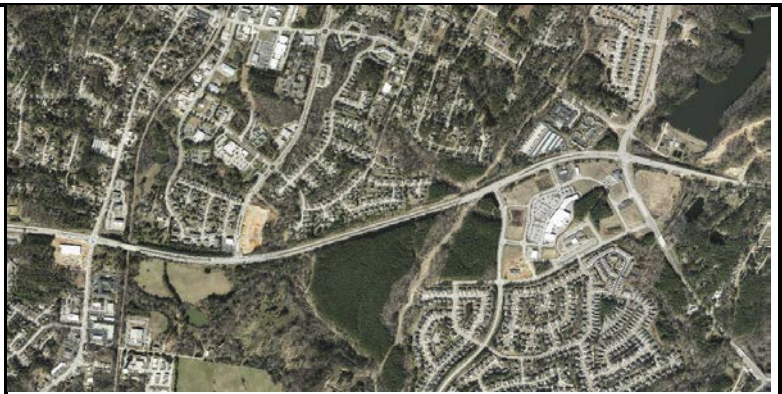
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |                                      |
|--------------------------|---|--------------------------------------|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>High |
|--------------------------|---|--------------------------------------|

|  |   |                          |                             |  |                 |
|--|---|--------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Greenway - Wake Forest Bypass Greenway Phase 1 | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>1 -Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 -Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 -Health/Safety/Welfare   |   |                          |                             |  |                 |
| 2 - Maintenance/Replacement  |   |                          |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion                                   |   |                          |                             |  |                 |
| 4 - New Program  |   |                          |                             |  |                 |

**PROJECT DESCRIPTION**  
Design, ROW, and construction of a 10' multi-use path approximately 2.2 miles of NC 98 (Dr. Calvin Jones Highway) from Heritage Lake Road (SR 5144) to US 1A (South Main Street).

**JUSTIFICATION**  
The project is consistent with the adopted Wake Forest Open Space and Greenway Plan and the Wake County Greenway System Plan. This greenway will provide an east-west connection between major corridors for the Town.



|  |  |
|--|--|
| <b>PROJECT ALTERNATIVES</b><br>Alt- sections built as development occurs/fee in lieu | <b>OPERATING IMPACT/OTHER COMMENTS</b><br>Potential future LAPP and/or SPOT and/or TIGER. Greenways Advisory Board Priority #8 |
|--|--|

|   |      |                        |      |
|---|------|------------------------|------|
| <b>PROJECT STATUS</b><br>Continuation - FY 2017<br>Funds Approved to Date | \$ - | Funds Expended to Date | \$ - |
|---|------|------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23           | 2023-24             | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------------|-------------------|---------------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ 300,000        | \$ -              | \$ -                | \$ -                |
| Purchase                   | -                  | -           | -           | -                 | 250,000           | -                   | -                   |
| Construction               | -                  | -           | -           | -                 | -                 | 2,250,000           | 2,250,000           |
| Contingency                | -                  | -           | -           | -                 | -                 | 787,500             | 787,500             |
| Other - PAC 1%             | -                  | -           | -           | 3,000             | -                 | 30,400              | 30,400              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 303,000</b> | <b>\$ 250,000</b> | <b>\$ 3,067,900</b> | <b>\$ 3,067,900</b> |

| FUNDING SOURCE(S)                               | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23           | 2023-24             | Future Years        |
|---|--------------------|-------------|-------------|-------------------|-------------------|---------------------|---------------------|
| General Fund                                    | \$ -               | \$ -        | \$ -        | \$ -              | \$ -              | \$ 30,400           | \$ 30,400           |
| GO Bonds - Future Referendum FY 2024            | -                  | -           | -           | 303,000           | 250,000           | 911,250             | 911,250             |
| Grants - Future Application - SPOT, LAPP FY2023 | -                  | -           | -           | -                 | -                 | 2,126,250           | 2,126,250           |
| <b>Total Funding Sources</b>                    | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 303,000</b> | <b>\$ 250,000</b> | <b>\$ 3,067,900</b> | <b>\$ 3,067,900</b> |

**TOTAL PROJECT COST: \$ 6,688,800**

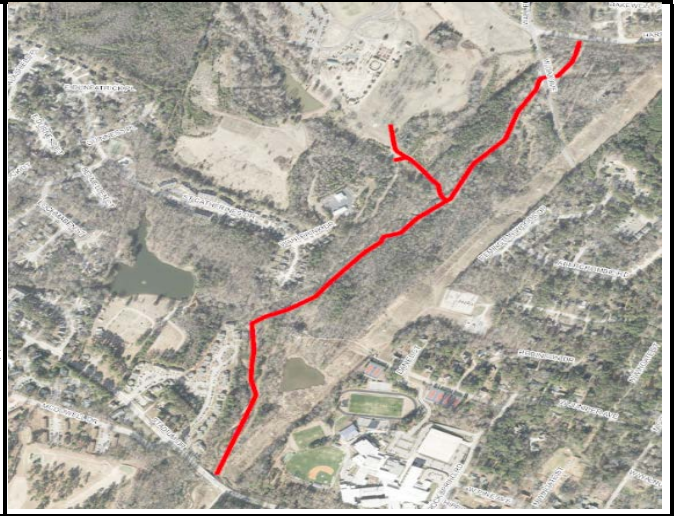
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |  |
|--------------------------|---|--|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--------------------------|---|--|

|  |  |                           |                             |  |                 |
|--|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Greenway - Richland Creek Greenway Phase 1 | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare  |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement  |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion                               |  |                           |                             |  |                 |
| 4 - New Program  |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
Design, ROW and construction for Richland Creek Greenway Phase 1 from Harris Road (SR 1931) to Stadium Drive. The path would start at Harris Road (SR 1931) and continue at the underpass (access built) then follow Richland Creek to the Cougar Trail soft trail and end at Stadium Drive. The portion of the Cougar Trail that continues west to Joyner park will convert to paved trail and a 10' wide bridge, 35' long is to be constructed. The bridge will be rated for an H-5 load. Approximately 1.1 miles of paved greenway.

**JUSTIFICATION**  
The project is consistent with the adopted Open Space and Greenway Plan and Parks & Recreation Master Plan Implementation of the Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans for the Town of Wake Forest. Staff will pursue a LAPP grant, SPOT and other funding options to support this project.



**PROJECT ALTERNATIVES**  
None.

**OPERATING IMPACT/OTHER COMMENTS**  
Clean Water Management Trust Fund conservation easement already acquired. LAPP FFY20 (70/30). Greenways Advisory Board Priority #4

|                        |                        |
|------------------------|------------------------|
| <b>PROJECT STATUS</b>  | Continuation - FY 2015 |
| Funds Approved to Date | \$ -                   |
| Funds Expended to Date | \$ -                   |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23           | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------------|-------------------|-------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ 375,000        | \$ 125,000        | \$ -        | \$ -                |
| Purchase                   | -                  | -           | -           | -                 | -                 | -           | 75,000              |
| Construction               | -                  | -           | -           | -                 | -                 | -           | 1,800,000           |
| Contingency                | -                  | -           | -           | -                 | -                 | -           | 630,000             |
| Other - PAC 1%             | -                  | -           | -           | 3,800             | 1,300             | -           | 24,300              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 378,800</b> | <b>\$ 126,300</b> | <b>\$ -</b> | <b>\$ 2,529,300</b> |

| FUNDING SOURCE(S)                    | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23           | 2023-24     | Future Years        |
|--------------------------------------|--------------------|-------------|-------------|-------------------|-------------------|-------------|---------------------|
| General Fund                         | \$ -               | \$ -        | \$ -        | \$ -              | \$ -              | \$ -        | \$ 99,300           |
| GO Bonds - Future Referendum FY 2020 | -                  | -           | -           | 378,800           | 126,300           | -           | 729,000             |
| Grants - Future Application          | -                  | -           | -           | -                 | -                 | -           | 1,701,000           |
| <b>Total Funding Sources</b>         | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 378,800</b> | <b>\$ 126,300</b> | <b>\$ -</b> | <b>\$ 2,529,300</b> |

**TOTAL PROJECT COST:** \$ 3,034,400

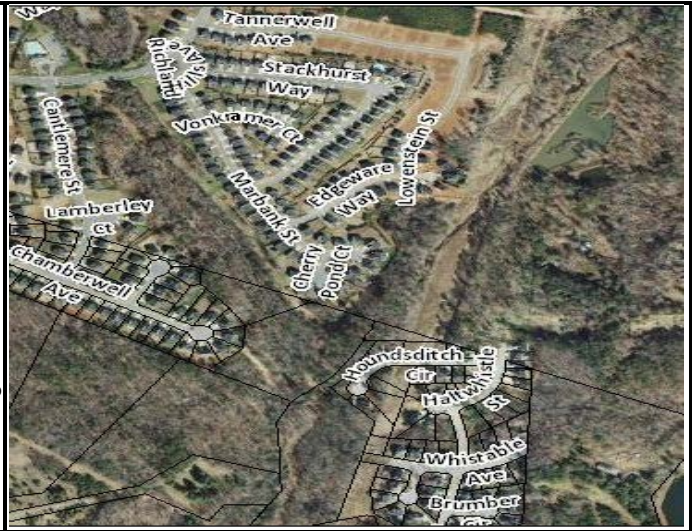
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                   |                        |                              |
|-------------------|------------------------|------------------------------|
| <b>DEPARTMENT</b> | <b>PROJECT MANAGER</b> | <b>DEPARTMENTAL PRIORITY</b> |
| GTP               | Suzette Morales        | Medium                       |

|  |  |                           |                             |  |                 |
|--|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b>                       | <b>TYPE OF PROJECT</b>   |                           |                             |  |                 |
| Greenway - Richland Creek Greenway Phase 2 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td style="text-align: center;"><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare                  |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement                |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion   |  |                           |                             |  |                 |
| 4 - New Program                            |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
Design, ROW and construction for Richland Creek Greenway: north of existing end to Town Limits. This greenway will provide neighborhood connections to the following streets: Fulworth Avenue & Chamberwell Ave (Richland Hills) and Houndsditch Circle (Twin Creeks at Olde Mill Stream). Approximately 1.3 miles of greenway. There are approximately seven greenway bridge crossings proposed for this project. Design for Phase 1 and Phase 2 combined, ROW and Construction separate.

**JUSTIFICATION**  
The project is consistent with the adopted Open Space and Greenway Plan and Parks & Recreation Master Plan. Prefabricated or concrete pedestrian bridges are recommended as they will provide a longer service life. Implementation of the Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans for the Town of Wake Forest. Staff will pursue a LAPP grant and other funding options to support this project.



**PROJECT ALTERNATIVES**

N/A.

**OPERATING IMPACT/OTHER COMMENTS**

Future LAPP 80/20. Greenways Advisory Board Priority #6

|                        |                        |                             |
|------------------------|------------------------|-----------------------------|
| <b>PROJECT STATUS</b>  | Continuation - FY 2015 |                             |
| Funds Approved to Date | \$ -                   | Funds Expended to Date \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23           | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------------|-------------------|-------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ 175,000        | \$ 175,000        | \$ -        | \$ -                |
| Purchase                   | -                  | -           | -           | -                 | -                 | -           | 275,000             |
| Construction               | -                  | -           | -           | -                 | -                 | -           | 3,985,800           |
| Contingency                | -                  | -           | -           | -                 | -                 | -           | 1,395,000           |
| Other - PAC 1%             | -                  | -           | -           | 1,800             | 1,800             | -           | 56,600              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 176,800</b> | <b>\$ 176,800</b> | <b>\$ -</b> | <b>\$ 5,712,400</b> |

| FUNDING SOURCE(S)                    | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23           | 2023-24     | Future Years        |
|--------------------------------------|--------------------|-------------|-------------|-------------------|-------------------|-------------|---------------------|
| General Fund                         | \$ -               | \$ -        | \$ -        | \$ -              | \$ -              | \$ -        | \$ -                |
| GO Bonds - Future Referendum FY 2020 | -                  | -           | -           | 176,800           | 176,800           | -           | 1,407,760           |
| Grants - Future Application - LAPP   | -                  | -           | -           | -                 | -                 | -           | 4,304,640           |
| <b>Total Funding Sources</b>         | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 176,800</b> | <b>\$ 176,800</b> | <b>\$ -</b> | <b>\$ 5,712,400</b> |

**TOTAL PROJECT COST: \$ 6,066,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

**DEPARTMENT**  
GTP

**PROJECT MANAGER**  
Suzette Morales

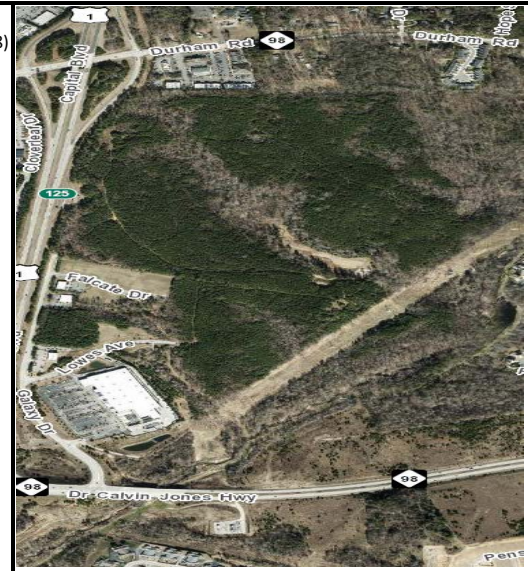
**DEPARTMENTAL PRIORITY**  
High

**PROJECT TITLE**  
  
Roadway - Ligon Mill Road Extension Phase 1

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 - Health/Safety/Welfare       |
|                 | 2 - Maintenance/Replacement     |
| X               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Design, ROW acquisition and construction to extend Ligon Mill Road from Dr. Calvin Jones Hwy (NC 98) to NC 98 BUS (Durham Road). The typical section includes a 4-lane divided boulevard with sidewalks and bike lanes, high visibility crosswalks & ramps where needed. This phase is approximately 1 mile.

**JUSTIFICATION**  
Implementation of the adopted **Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. Staff will apply for Locally Administered Projects Program (LAPP) funding to complete Right of Way acquisition and Construction in future years.



**PROJECT ALTERNATIVES**  
N/A

**OPERATING IMPACT/OTHER COMMENTS**  
With LAPP grant funds the town's share would be 20% of the total cost.

**PROJECT STATUS**  
Funds Approved to Date

New Project - FY 2020  
\$ -

Funds Expended to Date

\$ -

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23     | 2023-24     | Future Years         |
|----------------------------|--------------------|-------------|-------------|-------------------|-------------|-------------|----------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ 936,000        | \$ -        | \$ -        | \$ -                 |
| Purchase                   | -                  | -           | -           | -                 | -           | -           | 785,000              |
| Construction               | -                  | -           | -           | -                 | -           | -           | 9,360,000            |
| Equipment                  | -                  | -           | -           | -                 | -           | -           | -                    |
| Contingency                | -                  | -           | -           | -                 | -           | -           | 3,276,000            |
| PAC 1%                     | -                  | -           | -           | -                 | -           | -           | 93,600               |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 936,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 13,514,600</b> |

| FUNDING SOURCE(S)                          | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23     | 2023-24     | Future Years         |
|--|--------------------|-------------|-------------|-------------------|-------------|-------------|----------------------|
| General Fund                               | \$ -               | \$ -        | \$ -        | \$ -              | \$ -        | \$ -        | \$ 93,600            |
| GO Bonds - Future Referendum FY 2020       | -                  | -           | -           | 936,000           | \$ -        | -           | 3,312,200            |
| Grants - Future Application - LAPP (80/20) | -                  | -           | -           | -                 | -           | -           | 10,108,800           |
| <b>Total Funding Sources</b>               | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 936,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 13,514,600</b> |

**TOTAL PROJECT COST:** \$ 14,450,600

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |  |
|--------------------------|---|--|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--------------------------|---|--|

|  |   |                           |                             |  |                 |
|--|---|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Greenway - Richland Creek Greenway Phase 3 | <b>TYPE OF PROJECT</b><br><table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare  |   |                           |                             |  |                 |
| 2 - Maintenance/Replacement  |   |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion                               |   |                           |                             |  |                 |
| 4 - New Program  |   |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
Design, ROW and construction for Richland Creek Greenway: Stadium Drive to US 1. Approximatley 2.3 miles of greenway. A pedestrian underpass currently exists at NC 98 Bypass (Dr. Calvin Jones Hwy). A crosswalk is needed a NC 98 Bus (Durham Rd) as well as Wayfinding along the corridor.

**JUSTIFICATION**  
The project is consistent with the adopted Open Space and Greenway Plan and Parks & Recreation Master Plan. Prefabricated or concrete pedestrian bridges are recommended as they will provide a longer service life. Implementation of the Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans for the Town of Wake Forest. Staff will pursue a LAPP grant and other funding options to support this project.



**PROJECT ALTERNATIVES**

N/A.

**OPERATING IMPACT/OTHER COMMENTS**

Future LAPP 70/30 ROW & CON. Greenways Advisory Board Priority #7

|                               |                       |                               |
|-------------------------------|-----------------------|-------------------------------|
| <b>PROJECT STATUS</b>         | New Project - FY 2020 |                               |
| <i>Funds Approved to Date</i> | \$ -                  | <i>Funds Expended to Date</i> |
|                               | -                     | -                             |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23           | 2023-24             | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------------|-------------------|---------------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ 500,000        | \$ -              | \$ -                | \$ -                |
| Purchase                   | -                  | -           | -           | -                 | 263,100           | -                   | -                   |
| Construction               | -                  | -           | -           | -                 | -                 | 2,750,000           | 2,750,000           |
| Contingency                | -                  | -           | -           | -                 | -                 | 412,500             | 412,500             |
| Other - PAC 1%             | -                  | -           | -           | 5,000             | -                 | 27,500              | 27,500              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 505,000</b> | <b>\$ 263,100</b> | <b>\$ 3,190,000</b> | <b>\$ 3,190,000</b> |

| FUNDING SOURCE(S)                    | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23           | 2023-24             | Future Years        |
|--------------------------------------|--------------------|-------------|-------------|-------------------|-------------------|---------------------|---------------------|
| General Fund                         | \$ -               | \$ -        | \$ -        | \$ 5,000          | \$ -              | \$ 27,500           | \$ 27,500           |
| GO Bonds - Future Referendum FY 2024 | -                  | -           | -           | 500,000           | 78,900            | 948,800             | 948,700             |
| Grants - Future Application - LAPP   | -                  | -           | -           | -                 | 184,200           | 2,213,700           | 2,213,800           |
| <b>Total Funding Sources</b>         | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 505,000</b> | <b>\$ 263,100</b> | <b>\$ 3,190,000</b> | <b>\$ 3,190,000</b> |

**TOTAL PROJECT COST: \$ 7,148,100**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

**DEPARTMENT**  
GTP

**PROJECT MANAGER**  
Suzette Morales

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
Roadway - Bike Lanes & Sharrows

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 - Health/Safety/Welfare       |
|                 | 2 - Maintenance/Replacement     |
| X               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Construction of Sharrows/Shared Lanes pavement markings on the following downtown streets:  
 1. US 1A S. Main St: South Ave to W Sycamore Ave  
 2. Elm Ave: S. Main St to S. Franklin St  
 3. Roosevelt/Wait Ave: Front St to Franklin St  
 4. S. White St: Elm Ave to Roosevelt Ave  
 5. S. Taylor St: Elm Ave to Wait Ave  
 6. W. Sycamore Ave: S Main St to S. Wingate St  
 7. S Wingate St: South Ave to Kinvara Ct



Construction on existing pavement to include Thermoplastic Sharrow Symbol and Sharrow warning sign posts.

**JUSTIFICATION**  
Implementation of the adopted Transportation, Bicycle & Pedestrian Plans for the Town of Wake Forest. Sharrows are markings applied directly to the pavement to direct cyclists to ride in the proper direction and raise motorist awareness of the potential presence of cyclists

**PROJECT ALTERNATIVES**  
N/A.

**OPERATING IMPACT/OTHER COMMENTS**  
With SPOT 6.0 funds the town's share would be 20% of the total estimated project cost \$660,000 (\$440,000 federal; \$110,000 local).

**PROJECT STATUS**  
Funds Approved to Date

|                       |   |
|-----------------------|---|
| New Project - FY 2020 |   |
| \$                    | - |

Funds Expended to Date

|    |   |
|----|---|
| \$ | - |
|----|---|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22   | 2022-23 | 2023-24 | Future Years |
|----------------------------|--------------------|---------|---------|-----------|---------|---------|--------------|
| Planning & Engineering     | \$ -               | \$ -    | \$ -    | \$ -      | \$ -    | \$ -    | \$ -         |
| Construction               | -                  | -       | -       | 35,800    | -       | -       | -            |
| Equipment                  | -                  | -       | -       | 500       | -       | -       | -            |
| Contingency                | -                  | -       | -       | 3,600     | -       | -       | -            |
| PAC - 1%                   | -                  | -       | -       | -         | -       | -       | -            |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ -    | \$ 39,900 | \$ -    | \$ -    | \$ -         |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22   | 2022-23 | 2023-24 | Future Years |
|------------------------------|--------------------|---------|---------|-----------|---------|---------|--------------|
| General Fund                 | \$ -               | \$ -    | \$ -    | \$ 39,900 | \$ -    | \$ -    | \$ -         |
|                              | -                  | -       | -       | -         | -       | -       | -            |
| <b>Total Funding Sources</b> | \$ -               | \$ -    | \$ -    | \$ 39,900 | \$ -    | \$ -    | \$ -         |

**TOTAL PROJECT COST:** \$ 39,900

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |  |
|--------------------------|---|--|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--------------------------|---|--|

|   |                                   |
|---|-----------------------------------|
| <b>PROJECT TITLE</b><br><br>Roadway - Ligon Mill Road Extension Phase 2 | <b>TYPE OF PROJECT</b>            |
|   | 1 - Health/Safety/Welfare         |
|   | 2 - Maintenance/Replacement       |
|   | X 3 - Existing Programs Expansion |
|   | 4 - New Program                   |

**PROJECT DESCRIPTION**  
Design, ROW acquisition and construction to extend Ligon Mill Road from NC 98 BUS (Durham Road) to Stadium Drive. The typical section includes a 4-lane divided boulevard with a sidewalks and bike lanes, high visibility crosswalks & ramps where needed. This phase is approximately 0.75 mile.

**JUSTIFICATION**  
Implementation of the adopted **Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. Staff will apply for Locally Administered Projects Program (LAPP) funding to complete Right of Way aquisition and Construction in future years.



**PROJECT ALTERNATIVES**  
N/A.

**OPERATING IMPACT/OTHER COMMENTS**  
With LAPP grant funds the town's share would be 20% of the total cost.

|                        |                        |
|------------------------|------------------------|
| <b>PROJECT STATUS</b>  | New Project - FY 2020  |
| Funds Approved to Date | Funds Expended to Date |
| \$ -                   | \$ -                   |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23           | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------|-------------------|-------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ 756,000        | \$ -        | \$ -                |
| Purchase                   | -                  | -           | -           | -           | -                 | -           | 540,000             |
| Construction               | -                  | -           | -           | -           | -                 | -           | 5,040,000           |
| Equipment                  | -                  | -           | -           | -           | -                 | -           | -                   |
| Contingency                | -                  | -           | -           | -           | -                 | -           | 1,764,000           |
| PAC 1%                     | -                  | -           | -           | -           | -                 | -           | 50,400              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 756,000</b> | <b>\$ -</b> | <b>\$ 7,394,400</b> |

| FUNDING SOURCE(S)                          | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23           | 2023-24     | Future Years        |
|--|--------------------|-------------|-------------|-------------|-------------------|-------------|---------------------|
| General Fund                               | \$ -               | \$ -        | \$ -        | \$ -        | \$ -              | \$ -        | \$ 50,400           |
| GO Bonds - Future Referendum FY 2024       | -                  | -           | -           | -           | 756,000           | -           | 1,468,800           |
| Grants - Future Application - LAPP (80/20) | -                  | -           | -           | -           | -                 | -           | 5,875,200           |
| <b>Total Funding Sources</b>               | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 756,000</b> | <b>\$ -</b> | <b>\$ 7,394,400</b> |

**TOTAL PROJECT COST:** **\$ 8,150,400**



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |                                      |
|--------------------------|---|--------------------------------------|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>High |
|--------------------------|---|--------------------------------------|

|  |   |
|--|---|
| <b>PROJECT TITLE</b><br><br>Sidewalk - Pedestrian Sidewalk Connections | <b>TYPE OF PROJECT</b><br>1 - Health/Safety/Welfare<br>2 - Maintenance/Replacement<br><b>X</b> 3 - Existing Programs Expansion<br>4 - New Program |
|--|---|

**PROJECT DESCRIPTION**  
Design, ROW acquisition and construction to complete pedestrian sidewalk connections along:

Woodland Drive: Tyler Run Drive to S. Wingate Street (0.35 mi)  
S. Wingate: W Sycamore Ave to Kinvara Court (0.21)  
Amherst Creek Drive: Forbes Rd to Cimarron Pkwy (0.23)

These sidewalk connects will provide improved access to Wake Forest Elementary and Middle Schools.

**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. Many of these sidewalk sections are critical missing pieces needed for efficient and safe pedestrian access to schools and work places.



**PROJECT ALTERNATIVES**  
N/A.

**OPERATING IMPACT/OTHER COMMENTS**  
Improved pedestrian access to schools.

|                        |                       |
|------------------------|-----------------------|
| <b>PROJECT STATUS</b>  | New Project - FY 2020 |
| Funds Approved to Date | \$ -                  |
| Funds Expended to Date | \$ -                  |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24          | Future Years      |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|------------------|-------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ 78,000        | \$ -              |
| Purchase                   | -                  | -           | -           | -           | -           | -                | 200,000           |
| Construction               | -                  | -           | -           | -           | -           | -                | 517,500           |
| Contingency                | -                  | -           | -           | -           | -           | -                | 129,400           |
| PAC - 1%                   | -                  | -           | -           | -           | -           | -                | 6,500             |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 78,000</b> | <b>\$ 853,400</b> |

| FUNDING SOURCE(S)                      | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24          | Future Years      |
|--|--------------------|-------------|-------------|-------------|-------------|------------------|-------------------|
| General Fund                           | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -             | \$ 6,500          |
| GO Bonds - Future Referendum - FY 2024 | -                  | -           | -           | -           | -           | 78,000           | 846,900           |
| <b>Total Funding Sources</b>           | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 78,000</b> | <b>\$ 853,400</b> |

**TOTAL PROJECT COST: \$ 931,400**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

**DEPARTMENT**  
GTP

**PROJECT MANAGER**  
Suzette Morales

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
Roadway - US 1-A South Main Street Bike Lanes

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 - Health/Safety/Welfare       |
|                 | 2 - Maintenance/Replacement     |
| X               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Construction of 5' wide bicycle lanes (approximately .46 miles) on US-1A: Rogers Road to Forbes Road (fill east and west bicycle gaps).

**JUSTIFICATION**  
This project will complete the US-1A Bicycle Lanes Incidental Project R-3600. Design work is complete. The bicycle lanes will connect to Wake Forest Middle School.



**PROJECT ALTERNATIVES**  
N/A.

**OPERATING IMPACT/OTHER COMMENTS**  
With SPOT 6.0 funds the town's share would be 20% of the total estimated project cost \$660,000 (\$440,000 federal; \$110,000 local).

**PROJECT STATUS**  
Funds Approved to Date

|                        |
|------------------------|
| Continuation - FY 2015 |
| \$ -                   |

Funds Expended to Date

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24           | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------------|--------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -              | \$ -         |
| Construction               | -                  | -           | -           | -           | -           | 660,000           | -            |
| Contingency                | -                  | -           | -           | -           | -           | 99,000            | -            |
| Other                      | -                  | -           | -           | -           | -           | -                 | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 759,000</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)                  | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24           | Future Years |
|------------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------------|--------------|
| General Fund                       | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | 151,800           | \$ -         |
| Grants - Future Application - SPOT | -                  | -           | -           | -           | -           | 607,200           | -            |
|                                    | -                  | -           | -           | -           | -           | -                 | -            |
| <b>Total Funding Sources</b>       | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 759,000</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** \$ 759,000

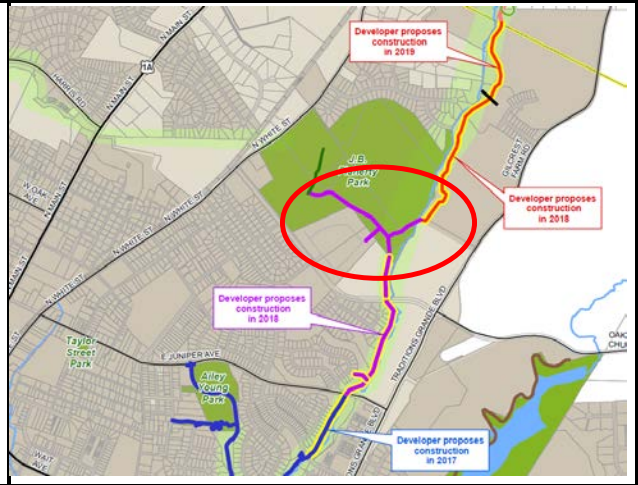
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |                                      |
|--------------------------|---|--------------------------------------|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>High |
|--------------------------|---|--------------------------------------|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br>Greenway - Dunn Creek Greenway Phase 4 | <b>TYPE OF PROJECT</b><br>1 - Health/Safety/Welfare<br>2 - Maintenance/Replacement<br>X 3 - Existing Programs Expansion<br>4 - New Program |
|--|--|

**PROJECT DESCRIPTION**  
 Preliminary engineering, ROW acquisition, and construction of Dunn Creek Greenway: North of Traditions Grande Blvd to Flaherty Park and Sedgefield Subdivision. Approximately .28 miles of greenway. Per the Parks, Recreation, and Cultural Resources Master Plan Update a 10' wide asphalt greenway trail will be added to provide a loop around the sports fields at Flaherty Park.

**JUSTIFICATION**  
 Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans and Parks, Recreation, and Cultural Resources Master Plan Update** for the Town of Wake Forest. Staff will pursue LAPP/SPOT funding opportunities to support the preliminary engineering, ROW and construction of the .28 mile greenway connection. The developer of Traditions is constructing approximately 1.3 miles of this greenway which includes Wildflower Ridge Rd to the greenway phase 4 gap and from the phase 4 gap to the county line.



**PROJECT ALTERNATIVES**  
 N/A.

**OPERATING IMPACT/OTHER COMMENTS**  
 \*LAPP FFY20 (70/30) ROW & CON  
 \*PARTF Grant (50/50) Greenways Advisory Board Priority #3

|   |                                |                        |      |
|---|--------------------------------|------------------------|------|
| <b>PROJECT STATUS</b><br>Funds Approved to Date | Continuation - FY 2017<br>\$ - | Funds Expended to Date | \$ - |
|---|--------------------------------|------------------------|------|

| CAPITAL COST BREAKDOWN             | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|------------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Planning & Engineering             | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 195,000          |
| Purchase                           | -                  | -           | -           | -           | -           | -           | 110,000             |
| Construction                       | -                  | -           | -           | -           | -           | -           | 1,547,500           |
| Contingency - CA/CEI/NC DOT Review | -                  | -           | -           | -           | -           | -           | 541,600             |
| Other- PAC 1%                      | -                  | -           | -           | -           | -           | -           | 22,900              |
| <b>Total Project Costs</b>         | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 2,417,000</b> |

| FUNDING SOURCE(S)   | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|---|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| General Fund  | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 345,500          |
| Grants - Future Application - LAPP (70/30); PARTF (50/50) | -                  | -           | -           | -           | -           | -           | 1,860,500           |
| GO Bonds - Future Referendum FY 2024                      | -                  | -           | -           | -           | -           | -           | 211,000             |
| <b>Total Funding Sources</b>                              | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 2,417,000</b> |

**TOTAL PROJECT COST:** \$ 2,417,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

**DEPARTMENT** GTP      **PROJECT MANAGER** Suzette Morales      **DEPARTMENTAL PRIORITY** Medium

**PROJECT TITLE** Greenway - Passive/Active Park Greenway Connections

**TYPE OF PROJECT**

|          |                                 |
|----------|---------------------------------|
| 1        | Health/Safety/Welfare           |
| 2        | Maintenance/Replacement         |
| <b>X</b> | 3 - Existing Programs Expansion |
| 4        | New Program                     |

**PROJECT DESCRIPTION**  
Preliminary engineering, environmental, ROW acquisition, and construction for passive/active park greenway connections.

**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. Identify open space land where citizens can enjoy minimally improved amenities for active use. Such as: environmental study, primitive camping, non-motorized boating, hiking, mountain biking, and equestrian trails. Other amenities include trailheads, educational/information kiosk, parking and restrooms. The following locations were identified by the Greenways Advisory Board and ranked in order of priority: Reservoir, 80-acre tract behind Heritage schools, Neuse River and Falls Lake.



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
Greenways Advisory Board 2012 Goals.

**PROJECT STATUS**      Continuation - FY 2015

*Funds Approved to Date*      \$ -      *Funds Expended to Date*      \$ -

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 400,000          |
| Purchase                   | -                  | -           | -           | -           | -           | -           | 200,000             |
| Construction               | -                  | -           | -           | -           | -           | -           | 934,000             |
| Other - PAC 1%             | -                  | -           | -           | -           | -           | -           | 13,500              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,547,500</b> |

| FUNDING SOURCE(S)                    | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|--------------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| General Fund                         | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 47,500           |
| GO Bonds - Future Referendum FY 2024 | -                  | -           | -           | -           | -           | -           | 1,500,000           |
| <b>Total Funding Sources</b>         | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,547,500</b> |

**TOTAL PROJECT COST:**      **\$ 1,547,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |  |
|--------------------------|---|--|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--------------------------|---|--|

|  |  |                           |                             |  |                 |
|--|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Roadway - Ligon Mill Road Complete Streets (Phase 2) | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare  |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement  |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion   |  |                           |                             |  |                 |
| 4 - New Program  |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
Design, ROW acquisition and construction to implement a Complete Streets vision along Ligon Mill Road (S R2044) from from US 1 Alt (South Main Street) to Song Sparrow Drive (SR 4428). The typical section includes three lanes with curb and gutter, left-turn lanes at intersections and driveways, 4' wide bike lanes on both sides of the roadway, 5-ft wide sidewalks on both sides of the roadway, and high visibility crosswalks & ramps. Access to the Smith Creek Greenway will be included.

**JUSTIFICATION**  
Implementation of the adopted **Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. Staff will also pursue a LAPP grant during a future call for projects to support the cost of design, right-of-way and construction for the Ligon Mill Road Complete Streets project.



**PROJECT ALTERNATIVES**  
N/A

**OPERATING IMPACT/OTHER COMMENTS**  
With LAPP grant funds the town's share would be 20% of the total project cost.

|   |                                |                        |      |
|---|--------------------------------|------------------------|------|
| <b>PROJECT STATUS</b><br>Funds Approved to Date | Continuation - FY 2015<br>\$ - | Funds Expended to Date | \$ - |
|---|--------------------------------|------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 350,000          |
| Purchase                   | -                  | -           | -           | -           | -           | -           | 250,000             |
| Construction               | -                  | -           | -           | -           | -           | -           | 2,500,000           |
| Contingency                | -                  | -           | -           | -           | -           | -           | 875,000             |
| Other- PAC 1%              | -                  | -           | -           | -           | -           | -           | 25,000              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 4,000,000</b> |

| FUNDING SOURCE(S)                    | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|--------------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| General Fund                         | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 25,000           |
| GO Bonds - Future Referendum FY 2024 | -                  | -           | -           | -           | -           | -           | 1,275,000           |
| Grants - Future LAPP Application     | -                  | -           | -           | -           | -           | -           | 2,700,000           |
| <b>Total Funding Sources</b>         | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 4,000,000</b> |

**TOTAL PROJECT COST:** **\$ 4,000,000**

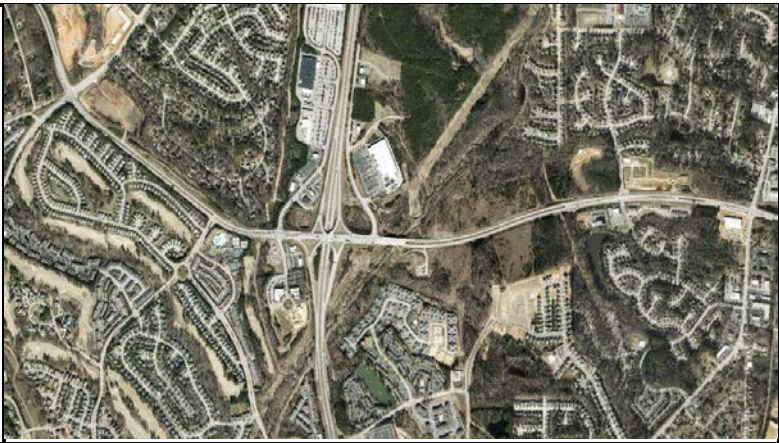
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                          |   |  |
|--------------------------|---|--|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--------------------------|---|--|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br>Greenway - Wake Forest Bypass Greenway Phase 2 | <b>TYPE OF PROJECT</b><br>1 - Health/Safety/Welfare<br>2 - Maintenance/Replacement<br>X 3 - Existing Programs Expansion<br>4 - New Program |
|--|--|

**PROJECT DESCRIPTION**  
Design, ROW, and construction of a 10' multi-use path approximately 4.6 miles and pedestrian overpass on NC 98 (Dr. Calvin Jones Highway) from US 1A (South Main Street) to NC 98 Business (Durham Road).

**JUSTIFICATION**  
The project is consistent with the adopted Wake Forest Open Space and Greenway Plan and the Wake County Greenway System Plan. This greenway will provide an east-west connection between major corridors for the Town.



|   |  |
|---|--|
| <b>PROJECT ALTERNATIVES</b><br>Alt- sections built as development occurs/fee in lieu. | <b>OPERATING IMPACT/OTHER COMMENTS</b><br>Potential future LAPP and/or SPOT for construction. Greenways Advisory Board Priority #8 |
|---|--|

|   |                                |                        |      |
|---|--------------------------------|------------------------|------|
| <b>PROJECT STATUS</b><br>Funds Approved to Date | Continuation - FY 2017<br>\$ - | Funds Expended to Date | \$ - |
|---|--------------------------------|------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 400,000          |
| Purchase                   | -                  | -           | -           | -           | -           | -           | 250,000             |
| Construction               | -                  | -           | -           | -           | -           | -           | 5,250,000           |
| Contingency                | -                  | -           | -           | -           | -           | -           | 1,837,500           |
| Other - PAC 1%             | -                  | -           | -           | -           | -           | -           | 52,500              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 7,790,000</b> |

| FUNDING SOURCE(S)                                | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|--|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| General Fund                                     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 52,500           |
| GO Bonds - Future Referendum 2024                | -                  | -           | -           | -           | -           | -           | 2,067,500           |
| Grants - Future Application - SPOT, LAPP (80/20) | -                  | -           | -           | -           | -           | -           | 5,670,000           |
| <b>Total Funding Sources</b>                     | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 7,790,000</b> |

**TOTAL PROJECT COST: \$ 7,790,000**

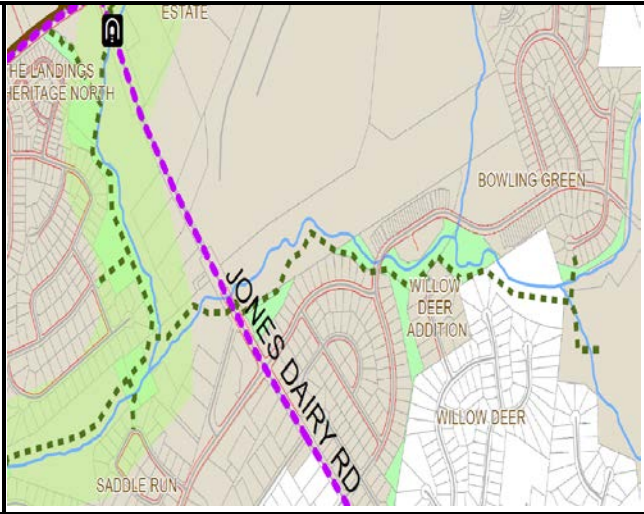
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019- 2024**

|                          |   |  |
|--------------------------|---|--|
| <b>DEPARTMENT</b><br>GTP | <b>PROJECT MANAGER</b><br>Suzette Morales | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--------------------------|---|--|

|  |   |
|--|---|
| <b>PROJECT TITLE</b><br><br><i>Smith-Austin Creek Greenway &amp; Heritage Hills Spur</i> | <b>TYPE OF PROJECT</b><br>1 - Health/Safety/Welfare<br>2 - Maintenance/Replacement<br><b>X</b> 3 - Existing Programs Expansion<br>4 - New Program |
|--|---|

**PROJECT DESCRIPTION**  
Preliminary engineering, ROW acquisition, construction for greenway trail: Basley Street to Cottonbrook Drive (Bowling Green) with an access point at Landen Drive (Willowdee) and Basley Street to Jones Dairy Road (Heritage Hills) bridge pedestrian underpass. A spur to from Jones Dairy Rd to Friendship Chapel Rd. Approximately 2.5 miles of trail.

**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. Staff will pursue LAPP Funds to support the preliminary engineering, ROW and construction of this project; \$3.5M.



**PROJECT ALTERNATIVES**  
N/A

**OPERATING IMPACT/OTHER COMMENTS**  
Greenways Advisory Board Priority #5

|                               |                        |
|-------------------------------|------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2017 |
| <i>Funds Approved to Date</i> | \$ -                   |
| <i>Funds Expended to Date</i> | \$ -                   |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 175,000          |
| Purchase                   | -                  | -           | -           | -           | -           | -           | 280,000             |
| Construction               | -                  | -           | -           | -           | -           | -           | 2,537,500           |
| Contingency                | -                  | -           | -           | -           | -           | -           | 888,100             |
| Other- PAC 1%              | -                  | -           | -           | -           | -           | -           | 36,000              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 3,916,600</b> |

| FUNDING SOURCE(S)                          | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|--|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| General Fund                               | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -                |
| GO Bonds - Future Referendum - FY 2024     | -                  | -           | -           | -           | -           | -           | 1,518,700           |
| Grants - Future Application - LAPP Funding | -                  | -           | -           | -           | -           | -           | 2,397,900           |
| <b>Total Funding Sources</b>               | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 3,916,600</b> |

**TOTAL PROJECT COST: \$ 3,916,600**

Capital Improvement Plan  
**PARKS, RECREATION AND CULTURAL RESOURCES SUMMARY - BY PROJECT**

| PROJECT TITLE RANKED  | PRIORITY | PRIOR TO  |            |            |            |            |            | FUTURE     | TOTALS        |               |
|---|----------|-----------|------------|------------|------------|------------|------------|------------|---------------|---------------|
|   | TYPE     | JULY 2019 | 2019-2020  | 2020-2021  | 2021-2022  | 2022-23    | 2023-24    | YEARS      |               |               |
| 1 Installation of Irrigation and Sod Flaherty Park Field #3 | M - 2    | -         | 115,000    | -          | -          | -          | -          | -          | 115,000       |               |
| 2 Vehicle Additions   | M - 3    | -         | 90,000     | 47,500     | -          | 35,000     | -          | -          | 172,500       |               |
| 3 Skid Steer Loader   | M - 3    | -         | 60,000     | -          | -          | -          | -          | -          | 60,000        |               |
| 4 5-Unit Reel mower(or Trim Cut)                            | M - 3    | -         | 62,500     | -          | -          | 50,000     | -          | -          | 112,500       |               |
| 5 Dog Park Upgrade  | M - 3    | -         | 225,000    | -          | -          | -          | -          | -          | 225,000       |               |
| 6 2 Activity Buses  | M - 3    | -         | -          | 150,000    | -          | -          | -          | -          | 150,000       |               |
| 7 Athletic Fields Lighting System Replace/Installation      | M - 2    | -         | -          | 235,000    | 250,000    | 300,000    | 275,000    | 750,000    | 1,810,000     |               |
| 8 Multi-Use Tractor   | M - 3    | -         | -          | 35,000     | -          | -          | -          | -          | 35,000        |               |
| 9 Utility Tractor   | M - 3    | -         | -          | 40,000     | -          | -          | -          | -          | 40,000        |               |
| 10 Aerification Equipment                                   | M - 3    | -         | -          | 35,000     | -          | -          | -          | -          | 35,000        |               |
| 11 Joyner Park Amphitheater Irrigation                      | M - 3    | -         | -          | -          | 45,000     | -          | -          | -          | 45,000        |               |
| 12 Spectator Accessibility, ADA Bleachers, Replace Dugouts  | H - 2    | -         | -          | -          | 170,000    | 80,000     | -          | -          | 250,000       |               |
| 13 Holding Park Destination Playground                      | M - 3    | -         | -          | -          | 404,000    | -          | -          | -          | 404,000       |               |
| 14 Park Sidewalk Connections                                | M - 3    | -         | -          | -          | -          | 100,000    | -          | -          | 100,000       |               |
| 15 Tyler Run Park Greenway Loop                             | M - 3    | -         | -          | -          | -          | -          | 200,000    | -          | 200,000       |               |
| 16 Community Center (South of NC 98)                        | M - 4    | -         | -          | -          | -          | -          | -          | 6,817,500  | 6,817,500     |               |
| 17 Ailey Young Park Improvements                            | M - 2    | 175,000   | -          | -          | -          | -          | -          | 3,620,400  | 3,795,400     |               |
| 18 94 Acres Park Development/Equipment                      | M - 4    | -         | -          | -          | -          | -          | -          | 10,190,000 | 10,190,000    |               |
| 19 Restroom Installation                                    | M - 3    | -         | -          | -          | -          | -          | -          | 1,212,000  | 1,212,000     |               |
| 20 Joyner Park - Phase III                                  | M - 3    | -         | -          | -          | -          | -          | -          | 10,695,600 | 10,695,600    |               |
| <b>TOTALS</b>   |          |           | \$ 175,000 | \$ 552,500 | \$ 542,500 | \$ 869,000 | \$ 565,000 | \$ 475,000 | \$ 33,285,500 | \$ 36,464,500 |

Priority definitions: H High  
M Medium  
L Low

Program type: 1 Health/Safety/Welfare  
2 Maintenance/Replacement  
3 Existing programs expansion  
4 New programs expansion



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|   |
|---|
| <b>PROJECT TITLE</b><br><br><i>Installation of Irrigation and Sod at Flaherty Park Field #3</i> |
|---|

|                        |                                 |
|------------------------|---------------------------------|
| <b>TYPE OF PROJECT</b> |                                 |
|                        | 1 - Health/Safety/Welfare       |
| <b>X</b>               | 2 - Maintenance/Replacement     |
|                        | 3 - Existing Programs Expansion |
|                        | 4 - New Program                 |

**PROJECT DESCRIPTION**  
This project consists of building sand-based grass infield (replacing dirt infield), grading and installation of hybrid sod on field 3, mirroring the work that has been completed on field 2.

**JUSTIFICATION**  
Building of grass infields would be to accommodate program needs and the sand-based structure with corrugated draining would allow for appropriate water drainage for the high-use infield area. Building of a permanent baseball mound would be much safer than continuing to use portables. Aesthetics of these fields will increase dramatically.



**PROJECT ALTERNATIVES**  
Use existing playing surface which needs grading, and existing turf that is in poor condition.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Field 1 & 2 sod and irrigation installation has been completed.  
\*The completion of Field 3 would finish the entire project.

**PROJECT STATUS**  
*Funds Approved to Date*

|                        |
|------------------------|
| Continuation - FY 2016 |
| \$ -                   |

*Funds Expended to Date*

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------------|-------------|-------------|-------------|-------------|--------------|
| Construction               | \$ -               | \$ 115,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
| Other                      | -                  | -                 | -           | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 115,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|-------------------|-------------|-------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ 115,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
|                              | -                  | -                 | -           | -           | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 115,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 115,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**

Parks, Recreation & Cultural Resources

**PROJECT MANAGER**

Ruben Wall/Edward Austin/Josh Glover

**DEPARTMENTAL PRIORITY**

Medium

| PROJECT TITLE     |
|-------------------|
| Vehicle Additions |

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 - Health/Safety/Welfare       |
|                 | 2 - Maintenance/Replacement     |
| x               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**

- 1) Heavy Duty Truck (FY 2020)
- 2) Crew Cab - Light Duty Truck (FY 2021)
- 3) Department Staff Vehicle (FY 2021)
- 4) 4x4 Extended Cab/Tow Package - 2 Medium Duty Trucks (FY 2020) & (FY 2023)

**JUSTIFICATION**

- 1) Mode of transportation is needed for new Maintenance Crew Supervisor. Currently, the employee is using a dump truck which is counter productive and not cost effective to use in every day situations as it needs to be available to all crews. The addition of this truck will provide the ability to haul a large trailer containing equipment, perform tasks that require a single person to accomplish, as well as allowing the supervisor to prioritize work and assist where essentially needed.
- 2) Athletics Division staff rely on privately-owned (staff) vehicles for transportation of material, equipment and purchases.
- 3) All staff currently drive their personal vehicles and submit monthly travel logs. Since the staff has grown over the past few years, the amount of travel has also increased. The cost will continue to increase as the staff continues to grow. Purchasing these vehicles would mitigate mileage reimbursement.
- 4) Mode of transportation is needed for additional staff.



**PROJECT ALTERNATIVES**

- 1) Use dump truck or ride with a crew in another truck, which requires the supervisor to remain with that crew until the task is complete and not address other issues as they may arise.
- 2) Continued use of personal vehicles (Town pays mileage)
- 3) Continue to pay staff or rent vehicles.
- 4) N/A

**OPERATING IMPACT/OTHER COMMENTS**

- 1) \*Work capacity will increase; this gives the supervisor freedom to visit various job sites and work where needed.
- 2) Continued program growth will require a greater need for transportation available to Athletics Division staff. Operating cost for fuel and maintenance will be required.
- 3) FY 19-20 - Truck with utility body for new crew that will mainly focus on our new park and greenways asset maintenance program, daily service of parks(sprayground, pool, sprayground), and providing support for special events.

**PROJECT STATUS**

*Funds Approved to Date*      Continuation - FY 2019  
\$ -

*Funds Expended to Date*      \$ -

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20          | 2020-21          | 2021-22     | 2022-23          | 2023-24     | Future Years |
|----------------------------|--------------------|------------------|------------------|-------------|------------------|-------------|--------------|
| Purchase                   | \$ -               | \$ 90,000        | \$ 47,500        | \$ -        | \$ 35,000        | \$ -        | \$ -         |
| Other                      | -                  | -                | -                | -           | -                | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 90,000</b> | <b>\$ 47,500</b> | <b>\$ -</b> | <b>\$ 35,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20          | 2020-21          | 2021-22     | 2022-23          | 2023-24     | Future Years |
|------------------------------|--------------------|------------------|------------------|-------------|------------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -             | \$ -             | \$ -        | \$ -             | \$ -        | \$ -         |
| Installment Purchase         | -                  | 90,000           | 47,500           | -           | 35,000           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 90,000</b> | <b>\$ 47,500</b> | <b>\$ -</b> | <b>\$ 35,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:      \$ 172,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br><i>Skid Steer Loader</i> | <b>TYPE OF PROJECT</b>                   |
|  | 1 - Health/Safety/Welfare                |
|  | 2 - Maintenance/Replacement              |
|  | <b>X</b> 3 - Existing Programs Expansion |
|  | 4 - New Program                          |

**PROJECT DESCRIPTION**  
Skid Steer Loader

**JUSTIFICATION**  
Machine has the capacity for various attachments that will help improve landscaping and increase efficiency of tasks, including: brush cutter, broom, excavator. In addition, it would suffice the park maintenance divisions need to:

- Load/Unload bulk and palletted materials
- Grading and culvert work
- Move heavy materials such as rip rap and boards, in repair of greenway bridges
- Repair greenway shoulders
- Snow removal in parking lots and driveways, while doing a better job than snow plows
- Remove dead trees and large fallen limbs
- Will allow for portions of larger projects to be removed from contracted services and performed in-house(sports field infield grading, dog park grading), saving money.



**PROJECT ALTERNATIVES**

Rent equipment when needed, and with the growing need, renting for months at a time would be considered reasonable, at \$3,000/month.

**OPERATING IMPACT/OTHER COMMENTS**

Parks staff is undertaking numerous landscaping projects, involving movement of bulk materials, that cannot be completed without this machine. This equipment will be useful in accomplishing grading projects that are needed as well.

|  |                        |
|--|------------------------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | Continuation - FY 2019 |
|  | \$ -                   |

|                               |      |
|-------------------------------|------|
| <i>Funds Expended to Date</i> | \$ - |
|-------------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20          | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|------------------|-------------|-------------|-------------|-------------|--------------|
| Equipment                  | \$ -               | \$ 60,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
| Other                      | -                  | -                | -           | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 60,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |


| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20          | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|------------------|-------------|-------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -             | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
| Installment Purchase         | -                  | 60,000           | -           | -           | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 60,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 60,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|  |   |  |                           |  |                             |   |                                 |  |                 |
|--|---|--|---------------------------|--|-----------------------------|---|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>5-Unit Reel mower(or Trim Cut) | <b>TYPE OF PROJECT</b>  |  |                           |  |                             |   |                                 |  |                 |
|  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10px;"></td><td>1 - Health/Safety/Welfare</td></tr> <tr><td></td><td>2 - Maintenance/Replacement</td></tr> <tr><td style="text-align: center;">X</td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> |  | 1 - Health/Safety/Welfare |  | 2 - Maintenance/Replacement | X | 3 - Existing Programs Expansion |  | 4 - New Program |
|  | 1 - Health/Safety/Welfare   |  |                           |  |                             |   |                                 |  |                 |
|  | 2 - Maintenance/Replacement   |  |                           |  |                             |   |                                 |  |                 |
| X  | 3 - Existing Programs Expansion   |  |                           |  |                             |   |                                 |  |                 |
|  | 4 - New Program   |  |                           |  |                             |   |                                 |  |                 |

|   |  |
|---|--|
| <p><b>PROJECT DESCRIPTION</b><br/>Precision Cut Mower</p> <p><b>JUSTIFICATION</b><br/>This equipment will allow us to do more with less, almost doubling productivity at more than 8 feet cutting width. This unit will be used at Smith Creek Soccer Center.</p> |  |
|---|--|

|   |  |
|---|--|
| <p style="text-align: center;"><b>PROJECT ALTERNATIVES</b></p> <p>Continue to use zero turn mowers, although they easily scalp turf and do not provide horsepower needed to cut higher density turf of athletic fields.</p> | <p style="text-align: center;"><b>OPERATING IMPACT/OTHER COMMENTS</b></p> <p>Increase in width of cut (8ft) versus zero turn mower, saving time. Better quality athletic turf.</p> <p>2022-23 Expecting to see 5% increase to \$65,000. This equipment can coincide with replacement of zero turn mower unit 6242 scheduled to be replaced this year, reducing cost by \$13,800.</p> |
|---|--|

|  |                        |                               |      |
|--|------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | Continuation - FY 2017 | <i>Funds Expended to Date</i> |      |
|  | \$ -                   |                               | \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20          | 2020-21     | 2021-22     | 2022-23          | 2023-24     | Future Years |
|----------------------------|--------------------|------------------|-------------|-------------|------------------|-------------|--------------|
| Equipment                  | \$ -               | \$ 62,500        | \$ -        | \$ -        | \$ 50,000        | \$ -        | \$ -         |
| Other                      | -                  | -                | -           | -           | -                | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 62,500</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 50,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20          | 2020-21     | 2021-22     | 2022-23          | 2023-24     | Future Years |
|------------------------------|--------------------|------------------|-------------|-------------|------------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -             | \$ -        | \$ -        | \$ -             | \$ -        | \$ -         |
| Installment Purchase         | -                  | 62,500           | -           | -           | 50,000           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 62,500</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 50,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:**      **\$ 112,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|   |  |
|---|--|
| <b>PROJECT TITLE</b><br><br><i>Dog Park Upgrade</i> | <b>TYPE OF PROJECT</b>                   |
|   | 1 -Health/Safety/Welfare                 |
|   | 2 - Maintenance/Replacement              |
|   | <b>X</b> 3 - Existing Programs Expansion |
|   | 4 - New Program                          |

**PROJECT DESCRIPTION**  
Expansion and re-configuration of the existing dog park at Flaherty Park while adding a picnic shelter, amenities, fencing, and agility obstacles. This will divide the current dog park in to three sections: Large dogs, small dogs, all-weather-all-dogs.

**JUSTIFICATION**  
The master plan calls for a landscape plan and amenities. Re-configuration would allow the landscape to be better maintained. The all-weather-all-dogs section, contained of wood chips, will allow dogs to be off-leash during wet weather conditions to avoid mud. Also, this area would be predominantly used in cooler months to allow the other areas to be closed at staff's discretion to preserve or re-establish turf.



**PROJECT ALTERNATIVES**

-Add picnic shelter and amenities only nearby, but not fully integrated as re-configuration would allow.

-Reduce by \$90,000 if K-9 grass is removed from the project. Add cypress mulch, walking area, and increase all-weather section to 25,000 sf. This would decrease the total cost of the project to \$135,000. For dog park users, this may be the preferred

**OPERATING IMPACT/OTHER COMMENTS**

Master plan park improvements. The main objective is to add amenities for park users and increase the aesthetics of the dog park. With its current configuration, it is difficult to give it the attention needed to maintain properly.

|  |                        |                               |      |
|--|------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | Continuation - FY 2018 | <i>Funds Expended to Date</i> |      |
|  | \$ -                   |                               | \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------------|-------------|-------------|-------------|-------------|--------------|
| Construction               | \$ -               | \$ 225,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
| Other                      | -                  | -                 | -           | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 225,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20           | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|-------------------|-------------|-------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ 225,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -         |
|                              | -                  | -                 | -           | -           | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 225,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 225,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |   |  |
|---|---|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Monica Lileton | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|---|--|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br>2 Activity Buses | <b>TYPE OF PROJECT</b>                   |
|  | 1 -Health/Safety/Welfare                 |
|  | 2 - Maintenance/Replacement              |
|  | <b>X</b> 3 - Existing Programs Expansion |
|  | 4 - New Program                          |

**PROJECT DESCRIPTION**  
The activity bus can accommodate up to 21 passengers and can be equipped with a wheelchair lift to meet ADA requirements.

**JUSTIFICATION**  
One of the major barriers we face is the lack of transportation we have to provide additional opportunities for program participants to visit our parks, aquatic center, sprayground or other facilities where programs are based. An addition of two accessible buses would provide for the maximum number of participants currently in our full day camp program. The buses will also be used to transport participants in various programs including special needs social club, active older adult trips and teen trips. This will reduce amount of charter shuttles needed for July 3rd Celebration.



**PROJECT ALTERNATIVES**

If not approved, camp participants will continue to walk to field trips in close proximity, social club participants will be required to have transportation to off-site activities and the Town will charter additional buses for the July 3rd Celebration.

**OPERATING IMPACT/OTHER COMMENTS**

Adding transportation will allow us to engage more youth in active outdoor play to encourage development of a healthy lifestyle. The department can also expand programs (youth, teens, seniors and citizens with special needs ) by overcoming one of the most significant barriers to participation with transportation.

|  |                       |                               |
|--|-----------------------|-------------------------------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | New Project - FY 2020 | <i>Funds Expended to Date</i> |
|  | \$ -                  | \$ -                          |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21           | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------------|-------------|-------------|-------------|--------------|
| Purchase                   | \$ -               | \$ -        | \$ 150,000        | \$ -        | \$ -        | \$ -        | \$ -         |
| Other                      | -                  | -           | -                 | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 150,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21           | 2021-22     | 2022-23     | 2023-24  | Future Years |
|------------------------------|--------------------|-------------|-------------------|-------------|-------------|----------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -              | \$ -        | \$ -        | -        | \$ -         |
| Installment Purchase         | -                  | -           | 150,000           | -           | -           | -        | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 150,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>-</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** \$ 150,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**

Parks, Recreation & Cultural Resources

**PROJECT MANAGER**

Ruben Wall/Edward Austin

**DEPARTMENTAL PRIORITY**

Medium

| PROJECT TITLE  |
|--|
| <i>Athletic Field Lighting System Replacement/Installation</i> |

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 -Health/Safety/Welfare        |
| <b>x</b>        | 2 - Maintenance/Replacement     |
|                 | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Replacement plan/program for lighting at athletic fields.

**JUSTIFICATION**  
Existing systems are reaching the end of the expected lifespan. Replacement/installation of systems with remote monitoring and operation will avoid large expenditures for repair of outdated systems and reduce ongoing maintenance costs. The fixtures and bulbs in use currently are being phased out and replacement of bulbs, ballasts, and fixtures will become increasingly difficult and more expensive in the future. The goal of the department is to upgrade and replace lighting systems before they create a safety hazard that will cause fields to be deemed unsafe/unplayable after sunset. Due to the continued growth, installation of systems at Ailey Young Park and Tyler Run Park will provide additional playing time and space without the cost of land purchase/development.

We are completing the lighting system replacement in phases:  
 A) Forrest Field system was replaced in FY 2014 15.  
 B) Funds to retrofit the systems at Heritage High Park to allow remote monitoring were approved in the FY 2016-17 budget.  
 On-Going Replacement Schedule:  
 C) FY 2020-21 - Flaherty Park / field 1 + ControLink for all fields- \$235,000  
 D) FY 2021-22 - Flaherty Park field 2 - \$250,000  
 E) FY 2022-23 - Flaherty Park field 3 + tennis courts -\$300,000  
 F) FY 2022-23 - Wake Forest Middle School Park softball field - \$275,000  
 G) Future Years - Wake Forest Middle School Park football field, \$300,000  
 H) Future Years - Ailey Young Park/Tyler Run Park new installation \$450,000



**PROJECT ALTERNATIVES**  
Continue to use the existing lighting with repairs as necessary.

**OPERATING IMPACT/OTHER COMMENTS**  
Decrease in on-going maintenance. Installing new or replacing aging and outdated lighting systems provides a safer facility which decreases the likelihood of injuries to participants. Twenty-five-year warranty for fixtures and bulbs and Control Link monitoring service included.

**PROJECT STATUS**

Funds Approved to Date

|                        |
|------------------------|
| Continuation - FY 2016 |
| \$ -                   |

Funds Expended to Date

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21    | 2021-22    | 2022-23    | 2023-24    | Future Years |
|----------------------------|--------------------|---------|------------|------------|------------|------------|--------------|
| Purchase                   | -                  | -       | \$ 235,000 | \$ 250,000 | \$ 300,000 | \$ 275,000 | 750,000      |
| Other                      | -                  | -       | -          | -          | -          | -          | -            |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ 235,000 | \$ 250,000 | \$ 300,000 | \$ 275,000 | \$ 750,000   |

| FUNDING SOURCE(S)                    | Prior to July 2019 | 2019-20 | 2020-21    | 2021-22    | 2022-23    | 2023-24    | Future Years |
|--------------------------------------|--------------------|---------|------------|------------|------------|------------|--------------|
| General Fund                         | \$ -               | \$ -    | \$ -       | \$ -       | \$ -       | \$ -       | \$ -         |
| GO Bonds - Future Referendum FY 2020 | -                  | -       | 235,000    | 250,000    | 300,000    | 275,000    | 750,000      |
| <b>Total Funding Sources</b>         | \$ -               | \$ -    | \$ 235,000 | \$ 250,000 | \$ 300,000 | \$ 275,000 | \$ 750,000   |

**TOTAL PROJECT COST: \$ 1,810,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**PROJECT MANAGER**

Ruben Wall/Josh Glover

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Multi-Use Tractor*

**TYPE OF PROJECT**

- 1 - Health/Safety/Welfare
- 2 - Maintenance/Replacement
- X** 3 - Existing Programs Expansion
- 4 - New Program

**PROJECT DESCRIPTION**

Muti-Use Tractor

**JUSTIFICATION**

Multi-Use tractor to be applied in maintenance of the WF Reservoir, having the ability to mow the dam. Has attachments with the ability to use this in Debris/Snow Removal, Soil/Site Prep/Turf Maintenance, Special



**PROJECT ALTERNATIVES**

N/A

**OPERATING IMPACT/OTHER COMMENTS**

For use in maintenance of the reservoir and reservoir park improvements. Purchase in year 2022-23 to mirror parking lot and boat ramp additions.

**PROJECT STATUS**

*Funds Approved to Date*

New Project - FY 2020

\$ -

*Funds Expended to Date*

\$ -

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21          | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|------------------|-------------|-------------|-------------|--------------|
| Equipment                  | \$ -               | \$ -        | \$ 35,000        | \$ -        | \$ -        | \$ -        | \$ -         |
| Other                      | -                  | -           | -                | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 35,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21          | 2021-22     | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|-------------|------------------|-------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -             | \$ -        | \$ -        | \$ -        | \$ -         |
| Installment Purchase         | -                  | -           | 35,000           | -           | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 35,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:**

**\$ 35,000**



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|   |  |
|---|--|
| <b>PROJECT TITLE</b><br><br>Utility Tractor | <b>TYPE OF PROJECT</b><br>1 - Health/Safety/Welfare<br>2 - Maintenance/Replacement<br>3 - Existing Programs Expansion<br>4 - New Program |
|---|--|

**PROJECT DESCRIPTION**  
Utility Tractor, Approx. 60 hp.

**JUSTIFICATION**  
In order to better maintain greenway corridors, the plan is to purchase a large three-point-hitch rotary mower, aerification machine, and boom mower which needs a larger tractor. Cab would be for safety while operating the boom mower. Utilize larger implements, such as aerification implement and bush hog.



**PROJECT ALTERNATIVES**  
Allow greenway corridors to further grow up adjacent to greenway surfaces.

**OPERATING IMPACT/OTHER COMMENTS**  
-With expanding greenways, the purpose is to expand maintenance practices and to provide a better product for greenway users. Used in parks in conjunction with larger implements.  
-Couple with the replacement cost of Unit 6212 and expect a cost savings of approximately \$20,000-\$22,500.

|  |                                |                               |      |
|--|--------------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | Continuation - FY 2018<br>\$ - | <i>Funds Expended to Date</i> | \$ - |
|--|--------------------------------|-------------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21   | 2021-22 | 2022-23 | 2023-24 | Future Years |
|----------------------------|--------------------|---------|-----------|---------|---------|---------|--------------|
| Purchase                   | \$ -               | \$ -    | \$ 40,000 | \$ -    | \$ -    | \$ -    | \$ -         |
| Other                      | -                  | -       | -         | -       | -       | -       | -            |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ 40,000 | \$ -    | \$ -    | \$ -    | \$ -         |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20 | 2020-21   | 2021-22 | 2022-23 | 2023-24 | Future Years |
|------------------------------|--------------------|---------|-----------|---------|---------|---------|--------------|
| General Fund                 | \$ -               | \$ -    | \$ -      | \$ -    | \$ -    | \$ -    | \$ -         |
| Installment Purchase         | -                  | -       | 40,000    | -       | -       | -       | -            |
| <b>Total Funding Sources</b> | \$ -               | \$ -    | \$ 40,000 | \$ -    | \$ -    | \$ -    | \$ -         |

**TOTAL PROJECT COST:** \$ 40,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|   |  |  |                           |  |                             |          |                                 |  |                 |
|---|--|--|---------------------------|--|-----------------------------|----------|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Aerification Implement</i> | <b>TYPE OF PROJECT</b>   |  |                           |  |                             |          |                                 |  |                 |
|   | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10px;"></td><td>1 - Health/Safety/Welfare</td></tr> <tr><td></td><td>2 - Maintenance/Replacement</td></tr> <tr><td style="text-align: center;"><b>X</b></td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> |  | 1 - Health/Safety/Welfare |  | 2 - Maintenance/Replacement | <b>X</b> | 3 - Existing Programs Expansion |  | 4 - New Program |
|   | 1 - Health/Safety/Welfare  |  |                           |  |                             |          |                                 |  |                 |
|   | 2 - Maintenance/Replacement  |  |                           |  |                             |          |                                 |  |                 |
| <b>X</b>  | 3 - Existing Programs Expansion  |  |                           |  |                             |          |                                 |  |                 |
|   | 4 - New Program  |  |                           |  |                             |          |                                 |  |                 |

**PROJECT DESCRIPTION**  
Aerification Machine

**JUSTIFICATION**  
Purchasing this equipment would eliminate \$12,000 annually that is paid to a contractor to have this done one time each year. Our athletic fields need this practice performed at least 3 times each year to promote water drainage and root systems. This would cause fewer athletic program rain-outs, safer playing surfaces, and better field performance during dry weather conditions.



**PROJECT ALTERNATIVES**

Expand funding to contractor.

**OPERATING IMPACT/OTHER COMMENTS**

- 1) The impact would be a savings of \$12,000 annually that is currently paid to a contractor to have this done once a year.
- 2) The quality of our athletic fields would also be greatly enhanced.
- 3) Moved to 20-21 to accommodate additional field compaction expected when lacrosse will be added to Smith Creek Soccer Center
- 4) A shift in staff responsibilities will need to occur to allow personnel to spend the required time using this equipment.

|  |                                |
|--|--------------------------------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | Continuation - FY 2018<br>\$ - |
|--|--------------------------------|

|                               |      |
|-------------------------------|------|
| <i>Funds Expended to Date</i> | \$ - |
|-------------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21          | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|------------------|-------------|-------------|-------------|--------------|
| Equipment                  | \$ -               | \$ -        | \$ 35,000        | \$ -        | \$ -        | \$ -        | \$ -         |
| Contingency                | -                  | -           | -                | -           | -           | -           | -            |
| Other                      | -                  | -           | -                | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 35,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21          | 2021-22     | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|-------------|------------------|-------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -             | \$ -        | \$ -        | \$ -        | \$ -         |
| Installment Purchase         | -                  | -           | 35,000           | -           | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 35,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 35,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br><i>Joyner Park Amphitheater Irrigation</i> | <b>TYPE OF PROJECT</b>                   |
|  | 1 - Health/Safety/Welfare                |
|  | 2 - Maintenance/Replacement              |
|  | <b>X</b> 3 - Existing Programs Expansion |
|  | 4 - New Program                          |

**PROJECT DESCRIPTION**  
Irrigation is currently installed in the Walker and Performance Gardens. This project would extend the irrigation in the turf portion of the amphitheater, surround the restrooms, and the community center.

**JUSTIFICATION**  
With the upcoming project at Joyner Park we anticipate a significant increase in activity and visitors. Installing irrigation in the amphitheater will allow for better aesthetics in summer months, but also allow for better maintenance, giving us a better product to present to the public. This installation will allow the turf to look great, regardless of the weather.  
\*Picture on top is result of dry weather in the summer.



**PROJECT ALTERNATIVES**  
Current system is not in use because of continued pump issues. This system will bypass the existing, and allow for surplus of the pump.

**OPERATING IMPACT/OTHER COMMENTS**  
Irrigation will allow for better aesthetics, weed control, and an overall better product for an area that has many events and is seen by lots of people.

|                               |                        |
|-------------------------------|------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2019 |
| <i>Funds Approved to Date</i> | \$ -                   |
| <i>Funds Expended to Date</i> | \$ -                   |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22          | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------|------------------|-------------|-------------|--------------|
| Construction               | \$ -               | \$ -        | \$ -        | \$ 45,000        | \$ -        | \$ -        | \$ -         |
| Other                      | -                  | -           | -           | -                | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 45,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22          | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|-------------|-------------|------------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -        | \$ 45,000        | \$ -        | \$ -        | \$ -         |
|                              | -                  | -           | -           | -                | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 45,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** \$ 45,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |                                      |
|---|--|--------------------------------------|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>High |
|---|--|--------------------------------------|

|  |   |  |                          |          |                             |  |                                 |  |                 |
|--|---|--|--------------------------|----------|-----------------------------|--|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Spectator Accessibility, ADA Bleachers, Replace dugouts<br/><br/>(Accessibility Bond Request)</i> | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td></td><td>1 -Health/Safety/Welfare</td></tr> <tr><td align="center"><b>X</b></td><td>2 - Maintenance/Replacement</td></tr> <tr><td></td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> |  | 1 -Health/Safety/Welfare | <b>X</b> | 2 - Maintenance/Replacement |  | 3 - Existing Programs Expansion |  | 4 - New Program |
|  | 1 -Health/Safety/Welfare  |  |                          |          |                             |  |                                 |  |                 |
| <b>X</b>   | 2 - Maintenance/Replacement   |  |                          |          |                             |  |                                 |  |                 |
|  | 3 - Existing Programs Expansion   |  |                          |          |                             |  |                                 |  |                 |
|  | 4 - New Program   |  |                          |          |                             |  |                                 |  |                 |

**PROJECT DESCRIPTION**  
Installation of concrete pads surrounding the backstop, connecting sidewalks to bleachers and dugouts, installation of ADA bleacher sets, and metal dugouts.

**JUSTIFICATION**  
This project is a step toward making our parks fully accessible and replace wooden dugouts that are rotting. The concrete pads will provide an aesthetically pleasing area for spectators, while keeping them out of dirt and mud that currently surrounds the bleachers and scorer's tables.



**PROJECT ALTERNATIVES**  
Spectator areas and sidewalk remain as they are.

**OPERATING IMPACT/OTHER COMMENTS**  
 \*3 fields at Flaherty Park (2021-22)  
 \*Tyler Run Park, Forest Field (2022-23) Bleachers purchased in 2018-19, allowing for reduction in FY 21-22 cost  
 \*This would provide easier maintenance and permanent structures. In addition, it would reduce on-going maintenance issues.

|  |                                |                               |      |
|--|--------------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | Continuation - FY 2018<br>\$ - | <i>Funds Expended to Date</i> | \$ - |
|--|--------------------------------|-------------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22    | 2022-23   | 2023-24 | Future Years |
|----------------------------|--------------------|---------|---------|------------|-----------|---------|--------------|
| Construction               | \$ -               | \$ -    | \$ -    | \$ 170,000 | \$ 80,000 | \$ -    | \$ -         |
| Other                      | -                  | -       | -       | -          | -         | -       | -            |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ -    | \$ 170,000 | \$ 80,000 | \$ -    | \$ -         |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22    | 2022-23   | 2023-24 | Future Years |
|------------------------------|--------------------|---------|---------|------------|-----------|---------|--------------|
| General Fund                 | \$ -               | \$ -    | \$ -    | \$ 170,000 | \$ 80,000 | \$ -    | \$ -         |
|                              | -                  | -       | -       | -          | -         | -       | -            |
| <b>Total Funding Sources</b> | \$ -               | \$ -    | \$ -    | \$ 170,000 | \$ 80,000 | \$ -    | \$ -         |

**TOTAL PROJECT COST:** \$ 250,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**PROJECT MANAGER**

Ruben Wall/Josh Glover

**DEPARTMENTAL PRIORITY**

Medium

| PROJECT TITLE                              |
|--|
| <i>Holding Park Destination Playground</i> |

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 -Health/Safety/Welfare        |
|                 | 2 - Maintenance/Replacement     |
| <b>X</b>        | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Improved, inclusive playground at Holding Park. This item will include a new, tiled playground surface and a select few additional pieces while amending the current play structure to become accessible. Also included is to address a drainage issue adjacent to the current playground area.

**JUSTIFICATION**  
The strategic plan calls for a destination playground at Holding Park and ADA improvements. The surface will be accessible by ADA standards and the new equipment will be inclusive. This destination playground will match the new pool as a big attraction for citizens and visitors.



**PROJECT ALTERNATIVES**

Leave playground as is and address drainage issue for the short term

**OPERATING IMPACT/OTHER COMMENTS**

The impact will be an upgrade to the existing playground to meet ADA standards and allow better access.

Remove and re-install existing playground at Smith Creek Soccer Center

**PROJECT STATUS**

*Funds Approved to Date*

|                        |
|------------------------|
| Continuation - FY 2019 |
| \$ -                   |

*Funds Expended to Date*

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------------|-------------|-------------|--------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -              | \$ -        | \$ -        | \$ -         |
| Construction               | -                  | -           | -           | 400,000           | -           | -           | -            |
| Equipment                  | -                  | -           | -           | -                 | -           | -           | -            |
| Other - PAC 1%             | -                  | -           | -           | 4,000             | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 404,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)                   | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23     | 2023-24     | Future Years |
|-------------------------------------|--------------------|-------------|-------------|-------------------|-------------|-------------|--------------|
| General Fund                        | \$ -               | \$ -        | \$ -        | \$ -              | \$ -        | \$ -        | \$ -         |
| GO Bond - Future Referendum FY 2020 | -                  | -           | -           | 404,000           | -           | -           | -            |
| <b>Total Funding Sources</b>        | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 404,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 404,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**PROJECT MANAGER**

Ruben Wall/Josh Glover

**DEPARTMENTAL PRIORITY**

Medium

| PROJECT TITLE                    |
|----------------------------------|
| <i>Park Sidewalk Connections</i> |

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 - Health/Safety/Welfare       |
|                 | 2 - Maintenance/Replacement     |
| <b>X</b>        | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Park Sidewalk Connections

**JUSTIFICATION**  
Many of our park features are not connected to each or the street sidewalk. This project aims to accomplish this task.

Locations:

- 1) Flaherty dog park to streets and bathrooms
- 2) Flaherty tennis courts to community center and continue along the parking lot
- 3) Tyler Run Park and Smith Creek Soccer Center



**PROJECT ALTERNATIVES**

Asphalt Mult-use path, or greenway.

**OPERATING IMPACT/OTHER COMMENTS**

Connect all park features.

**PROJECT STATUS**

*Funds Approved to Date*

|                       |
|-----------------------|
| New Project - FY 2020 |
| \$ -                  |

*Funds Expended to Date*

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23           | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------|-------------------|-------------|--------------|
| Purchase                   | \$ -               | \$ -        | \$ -        | \$ -        | \$ -              | \$ -        | \$ -         |
| Construction               | -                  | -           | -           | -           | 100,000           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 100,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23           | 2023-24     | Future Years |
|------------------------------|--------------------|-------------|-------------|-------------|-------------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -        | \$ -        | \$ -              | \$ -        | \$ -         |
| Recreation Impact Fees       | -                  | -           | -           | -           | 100,000           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 100,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:**

**\$ 100,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br>Tyler Run Park Greenway Loop | <b>TYPE OF PROJECT</b>                   |
|  | 1 -Health/Safety/Welfare                 |
|  | 2 - Maintenance/Replacement              |
|  | <b>X</b> 3 - Existing Programs Expansion |
|  | 4 - New Program                          |

**PROJECT DESCRIPTION**  
Complete 0.25 mile walking path around the perimeter of Tyler Run Park, providing walking loop.

**JUSTIFICATION**  
The department's master plan recommended that some parks could use better circulation systems within them, particularly paved walkways and loop walks. This would accomplish that while adding to our greenway system.



|  |   |
|--|---|
| <b>PROJECT ALTERNATIVES</b><br>After looking in to path alternatives, nothing else would be ADA compliant. | <b>OPERATING IMPACT/OTHER COMMENTS</b><br>General maintenance to maintain the greenway once installed would be the only impact. The goal is to encourage health & wellness. |
|--|---|

|   |                        |                        |      |
|---|------------------------|------------------------|------|
| <b>PROJECT STATUS</b><br>Funds Approved to Date | Continuation - FY 2019 | Funds Expended to Date |      |
|   | \$ -                   |                        | \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24           | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------------|--------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -              | \$ -         |
| Construction               | -                  | -           | -           | -           | -           | 200,000           | -            |
| Other                      | -                  | -           | -           | -           | -           | -                 | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 200,000</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24           | Future Years |
|------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -              | \$ -         |
| Recreation Impact Fees       | -                  | -           | -           | -           | -           | 200,000           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 200,000</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 200,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |                                      |  |
|---|--------------------------------------|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--------------------------------------|--|

|   |  |
|---|--|
| <b>PROJECT TITLE</b><br><br>Community Center<br>(South of NC 98 across Capital Blvd.) | <b>TYPE OF PROJECT</b><br>1 - Health/Safety/Welfare<br>2 - Maintenance/Replacement<br>3 - Existing Programs Expansion<br>X 4 - New Program |
|---|--|

**PROJECT DESCRIPTION**  
As the Town's population continues to grow, this facility would serve citizens South of NC 98 across Capital Blvd. The past two Master Plans have noted a lack of services in this area. Proposed uses include: community center, playgrounds, picnic areas and trails.

**JUSTIFICATION**  
This facility would serve the southern quadrant. As the population increases in the Town, the demand for additional parks and recreational facilities also increases which makes the development of this community center an essential project that is critical to enhancing the quality of life for our citizens. The recent master plan which was approved in June 2015 noted a lack of services in this area.



**PROJECT ALTERNATIVES**  
Partner with schools and churches to use shared space.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Providing services in an area where we currently do not have a facility  
\*Expansion of programs and more gym space.  
\*Save funds by not renting school facilities.

|   |                                |                        |      |
|---|--------------------------------|------------------------|------|
| <b>PROJECT STATUS</b><br>Funds Approved to Date | Continuation - FY 2018<br>\$ - | Funds Expended to Date | \$ - |
|---|--------------------------------|------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | 650,000             |
| Construction               | -                  | -           | -           | -           | -           | -           | \$ 6,100,000        |
| Contingency                | -                  | -           | -           | -           | -           | -           | -                   |
| Other - PAC                | -                  | -           | -           | -           | -           | -           | 67,500              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 6,817,500</b> |

| FUNDING SOURCE(S)                    | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|--------------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| General Fund                         | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -                |
| GO Bonds - Future Referendum FY 2020 | -                  | -           | -           | -           | -           | -           | 6,317,500           |
| Grants - Future Application - PARTF  | -                  | -           | -           | -           | -           | -           | 500,000             |
|                                      | -                  | -           | -           | -           | -           | -           | -                   |
| <b>Total Funding Sources</b>         | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 6,817,500</b> |

**TOTAL PROJECT COST: \$ 6,817,500**



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|  |  |  |                           |   |                             |  |                                 |  |                 |
|--|--|--|---------------------------|---|-----------------------------|--|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Ailey Young Park Improvements</i> | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td></td><td>1 - Health/Safety/Welfare</td></tr> <tr><td>X</td><td>2 - Maintenance/Replacement</td></tr> <tr><td></td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> |  | 1 - Health/Safety/Welfare | X | 2 - Maintenance/Replacement |  | 3 - Existing Programs Expansion |  | 4 - New Program |
|  | 1 - Health/Safety/Welfare  |  |                           |   |                             |  |                                 |  |                 |
| X  | 2 - Maintenance/Replacement  |  |                           |   |                             |  |                                 |  |                 |
|  | 3 - Existing Programs Expansion  |  |                           |   |                             |  |                                 |  |                 |
|  | 4 - New Program  |  |                           |   |                             |  |                                 |  |                 |

**PROJECT DESCRIPTION**  
Preliminary engineering, environmental, and construction to improve the facilities at Ailey Young Park. The improvements will provide universal accessibility (including updated basketball courts, updated playground and updated picnic shelter and amenities) and increase capacity for current uses (parking, expanded bathrooms). Construction for Dunn Creek Greenway Phase 3 spur from Juniper Avenue to the baseball field is also included in this project.

**JUSTIFICATION**  
Implementation of the adopted Parks, Recreation & Cultural Resources and Open Space & Greenways Plans for the Town of Wake Forest. Identify open space land where citizens can enjoy minimally improved amenities for active use. Such as: environmental study, primitive camping, non-motorized boating, hiking, mountain biking, and equestrian trails. Other amenities include trailheads, educational/information kiosk, parking and restrooms.



|   |   |
|---|---|
| <b>PROJECT ALTERNATIVES</b><br>No alternative proposed. | <b>OPERATING IMPACT/OTHER COMMENTS</b><br>Dunn Creek Phase 3 spur PE cost is part of Dunn Creek Greenway Phase 3, see GTP<br>-Estimating the need of additional 20 hours/week of maintenance and additional equipment |
|---|---|

|                               |                        |                                    |
|-------------------------------|------------------------|------------------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2017 |                                    |
| <i>Funds Approved to Date</i> | \$ 175,000             | <i>Funds Expended to Date</i> \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Planning & Engineering     | \$ 173,300         | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -                |
| Purchase                   | -                  | -           | -           | -           | -           | -           | -                   |
| Construction               | -                  | -           | -           | -           | -           | -           | 2,832,400           |
| Equipment                  | -                  | -           | -           | -           | -           | -           | -                   |
| Contingency                | -                  | -           | -           | -           | -           | -           | 759,600             |
| Other - PAC                | 1,700              | -           | -           | -           | -           | -           | 28,400              |
| <b>Total Project Costs</b> | <b>\$ 175,000</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 3,620,400</b> |

| FUNDING SOURCE(S)                          | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|--|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| General Fund                               | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -                |
| GO Bonds - Current Referendum - Not Issued | 175,000            | -           | -           | -           | -           | -           | -                   |
| GO Bonds - Future Referendum FY 2020/2024  | -                  | -           | -           | -           | -           | -           | 3,120,400           |
| Grant - Future PART-F Application          | -                  | -           | -           | -           | -           | -           | 500,000             |
| Other                                      | -                  | -           | -           | -           | -           | -           | 1,084,000           |
| <b>Total Funding Sources</b>               | <b>\$ 175,000</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 3,620,400</b> |

**TOTAL PROJECT COST: \$ 3,795,400**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |                                      |  |
|---|--------------------------------------|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--------------------------------------|--|

|   |                                 |
|---|---------------------------------|
| <b>PROJECT TITLE</b><br><br>94 Acres Park Development/Equipment | <b>TYPE OF PROJECT</b>          |
|   | 1 -Health/Safety/Welfare        |
|   | 2 - Maintenance/Replacement     |
|   | 3 - Existing Programs Expansion |
|   | X 4 - New Program               |

**PROJECT DESCRIPTION**  
The department Master Plan was updated in 2015. As the Town continues to grow the need to provide additional services for recreational opportunities will continue to grow as well. Additional equipment will be needed to main the area as well.

**JUSTIFICATION**  
The 2015 Master Plan sited the need for facilities to be developed and constructed, include appropriate spaces for wellness/fitness, cultural, special needs, and aquatic opportunities. . As the population increases in the Town, the demand for additional parks and recreational facilities has also increased, which makes the development of this park an essential project that is critical to enhancing the quality of life for our citizens. Elements to be included walking trails, nature center, bike trails, ropes course, dic-golf, playground, restrooms and picnic shelters. Cost and equipmenet needed will be adjusted once the master plan is completed.



**PROJECT ALTERNATIVES**  
Continue to use existing facilities. Rent or use existing equipment, however using existing equipment would have a negative impact at other locations.

**OPERATING IMPACT/OTHER COMMENTS**  
The cost to maintain the facility will include more equipment and maintenance staff.  
Equipment : 1 Tractor and deck mower, 1 Zero turn mower,1-2 gators

|   |                                |
|---|--------------------------------|
| <b>PROJECT STATUS</b><br>Funds Approved to Date | New Project - FY 2020<br>\$ -  |
|   | Funds Expended to Date<br>\$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years         |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|----------------------|
| Purchase                   | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 10,000,000        |
| Equipment                  | -                  | -           | -           | -           | -           | -           | 90,000               |
| Other - PAC 1%             | -                  | -           | -           | -           | -           | -           | 100,000              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 10,190,000</b> |

| FUNDING SOURCE(S)                    | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years         |
|--------------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|----------------------|
| General Fund                         | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -                 |
| GO Bonds - Future Referendum FY 2024 | -                  | -           | -           | -           | -           | -           | 10,100,000           |
| Installment Purchase                 | -                  | -           | -           | -           | -           | -           | 90,000               |
| <b>Total Funding Sources</b>         | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 10,190,000</b> |

**TOTAL PROJECT COST: \$ 10,190,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br><i>Restroom Installation</i> | <b>TYPE OF PROJECT</b>                   |
|  | 1 - Health/Safety/Welfare                |
|  | 2 - Maintenance/Replacement              |
|  | <b>X</b> 3 - Existing Programs Expansion |
|  | 4 - New Program                          |

**PROJECT DESCRIPTION**  
Add permanent restrooms to parks.

**JUSTIFICATION**  
Currently several of our parks do not have restrooms. We are using port-a-johns which are not ADA accessible. Adding permanent restroom facilities would meet these requirements, permanent restrooms would be more sanitary and cost efficient over time.

Locations: Rank  
 1. Smith Creek  
 2. Tyler Run Park  
 3. Miller Park  
 4. Ailey Young  
 5. Flaherty Tennis Courts



**PROJECT ALTERNATIVES**

Continue to use to rent port-a-johns.

**OPERATING IMPACT/OTHER COMMENTS**

Installation, cost to maintain and clean daily would be added to the current cleaning contract.

|                               |                       |                               |
|-------------------------------|-----------------------|-------------------------------|
| <b>PROJECT STATUS</b>         | New Project - FY 2020 |                               |
| <i>Funds Approved to Date</i> | \$ -                  | <i>Funds Expended to Date</i> |
|                               | -                     | -                             |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Equipment                  | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 1,200,000        |
| Other - PAC 1%             | -                  | -           | -           | -           | -           | -           | 12,000              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,212,000</b> |

| FUNDING SOURCE(S)                  | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|------------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| General Fund                       | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | -                   |
| GO Bonds - Bond Referendum FY 2020 | -                  | -           | -           | -           | -           | -           | 1,212,000           |
| <b>Total Funding Sources</b>       | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,212,000</b> |

**TOTAL PROJECT COST:** **\$ 1,212,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

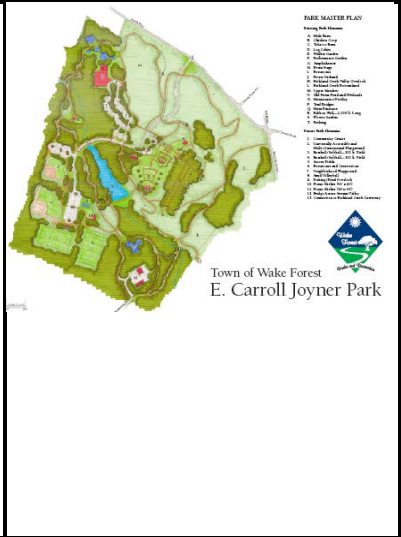
|   |                                      |  |
|---|--------------------------------------|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--------------------------------------|--|

|   |  |                           |                             |  |                 |
|---|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Joyner Park Phase III | <b>TYPE OF PROJECT</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare                         |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement                       |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion          |  |                           |                             |  |                 |
| 4 - New Program                                   |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
The Town has completed the Master Plan for the development of this 118 acre park. Phase II includes the community center, playground and cover over the amphitheater which is scheduled to be completed in 2019.

**Phase III**  
Phase III will complete the development of the park. Additional office space, shelter enclosure, parking and equipment will be added: Truck, Two mowers, utility vehicle, drag machine, and sprayer.

**JUSTIFICATION**  
Joyner Park serves as the metro park for the western quadrant. As the population increases in the Town, the demand for additional parks and recreational facilities has also increased, which makes the development of this park an essential project that is critical to enhancing the quality of life for our citizens. The amphitheater is a vital part of this park. It is currently used for concerts, weddings and other family functions. It is, however, not used to it's full potential due to the lack of a cover. During the Six Sunday's Concert Series the performers request to be moved due to the heat. They have also voiced concerns about the damage to instruments due to the heat. The cover would greatly enhance the potential usage of the facility. In addition, equipment will be needed to maintain the area as Phase III is built.



**PROJECT ALTERNATIVES**  
\*Equipment : Use present resources, causing a decline in maintenance for other parks and greenways.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Relocation of current staff from Town Hall  
\*Additional staff, maintenance, custodial service  
\*Expansion of programs, more gym space  
\*Cost savings by reduced rental of school facilities  
\*Equipment: Coupled with the addition of Joyner Phase III - Strategic Plan Improvement  
\*Additional utilities and maintenance cost of approximately \$1,500 annually

|                        |                        |                             |
|------------------------|------------------------|-----------------------------|
| <b>PROJECT STATUS</b>  | Continuation - FY 2014 |                             |
| Funds Approved to Date | \$ -                   | Funds Expended to Date \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years         |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|----------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 1,023,300         |
| Purchase                   | -                  | -           | -           | -           | -           | -           | 215,000              |
| Construction               | -                  | -           | -           | -           | -           | -           | 9,353,500            |
| Contingency                | -                  | -           | -           | -           | -           | -           | -                    |
| Other - PAC                | -                  | -           | -           | -           | -           | -           | 103,800              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 10,695,600</b> |

| FUNDING SOURCE(S)                    | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years         |
|--------------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|----------------------|
| General Fund                         | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 127,100           |
| Installment Purchase                 | -                  | -           | -           | -           | -           | -           | 215,000              |
| GO Bonds - Future Referendum FY 2024 | -                  | -           | -           | -           | -           | -           | 9,853,500            |
| Capital Reserve - Impact Fees        | -                  | -           | -           | -           | -           | -           | 500,000              |
| <b>Total Funding Sources</b>         | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 10,695,600</b> |

**TOTAL PROJECT COST: \$ 10,695,600**

Capital Improvement Plan  
**ENVIRONMENTAL SERVICES SUMMARY - BY PROJECT**

| PROJECT TITLE                 | PRIORITY | PRIOR TO  |            |            |            |            |           | FUTURE       | TOTALS       |
|-------------------------------|----------|-----------|------------|------------|------------|------------|-----------|--------------|--------------|
|                               | TYPE     | JULY 2019 | 2019-2020  | 2020-2021  | 2021-2022  | 2022-2023  | 2023-2024 | YEARS        |              |
| 1 North White Street Landfill | H - 1    | 65,600    | 125,000    | 625,000    | 625,000    | -          | -         | 2,000,000    | 3,440,600    |
| 2 Vacuum Leaf Trucks (2)      | M - 3    | -         | -          | 200,000    | -          | 205,000    | -         | -            | 405,000      |
| <b>TOTALS</b>                 |          | \$ 65,600 | \$ 125,000 | \$ 825,000 | \$ 625,000 | \$ 205,000 | \$ -      | \$ 2,000,000 | \$ 3,845,600 |

Priority definitions:

H High  
M Medium  
L Low

Program type:

1 Health/Safety/Welfare  
2 Maintenance/Replacement  
3 Existing programs expansion  
4 New programs expansion

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |  |                                      |
|---|--|--------------------------------------|
| <b>DEPARTMENT</b><br>Environmental Services | <b>PROJECT MANAGER</b><br>Magda Holloway | <b>DEPARTMENTAL PRIORITY</b><br>High |
|---|--|--------------------------------------|

|   |                        |                                 |
|---|------------------------|---------------------------------|
| <b>PROJECT TITLE</b><br><br>North White Street Landfill | <b>TYPE OF PROJECT</b> |                                 |
|   | <b>X</b>               | 1 -Health/Safety/Welfare        |
|   |                        | 2 - Maintenance/Replacement     |
|   |                        | 3 - Existing Programs Expansion |
|   |                        | 4 - New Program                 |

**PROJECT DESCRIPTION**  
The town owned and operated a landfill on N. White Street (adjacent to Flaherty Park) from the mid 1950s until the late 1980s or early 1990s. Since 1995, the town has contracted with Froehling & Robertson, Inc. (F&R) to conduct ground water monitoring and assist with complying with state regulations.

**JUSTIFICATION**  
In April 2001, the town received approval from the state to put a firing range on the old site which is currently being used by our Police department. In July 2017, the town received a notice of violation (from NCDEQ - Solid Waste Section) of minimal levels of contaminants and was directed to put together a corrective action plan (CAP). Several steps have been taken to mitigate possible contamination, however as part of the required CAP, the town needs to take action to remove the trees on the northern portion of the landfill, remove exposed trash, continue monitoring, remove some of the waste and provide a cover system and to fully close the old landfill.



**PROJECT ALTERNATIVES**

There are no alternatives - no action could result in excessive fines from the State and potential contamination of the surrounding area.

**OPERATING IMPACT/OTHER COMMENTS**

Providing a cover - could use site for passive recreational purposes. Continue to use site for firing range. Annual operating impact between \$65,000 - \$75,000 for continued monitoring.

|   |                       |                        |
|---|-----------------------|------------------------|
| <b>PROJECT STATUS</b><br><br>Funds Approved to Date | New Project - FY 2020 | Funds Expended to Date |
|   | \$ 65,600             |                        |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21           | 2021-22           | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------------|-------------------|-------------------|-------------|-------------|--------------|
| Planning & Engineering     | \$ 65,600          | \$ 125,000        | \$ 125,000        | \$ 125,000        | \$ -        | \$ -        | \$ -         |
| Purchase                   | -                  | -                 | -                 | -                 | -           | -           | -            |
| Construction               | -                  | -                 | 500,000           | 500,000           | -           | -           | 2,000,000    |
| Equipment                  | -                  | -                 | -                 | -                 | -           | -           | -            |
| Contingency                | -                  | -                 | -                 | -                 | -           | -           | -            |
| Other                      | -                  | -                 | -                 | -                 | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ 65,600</b>   | <b>\$ 125,000</b> | <b>\$ 625,000</b> | <b>\$ 625,000</b> | <b>\$ -</b> | <b>\$ -</b> |              |

| FUNDING SOURCE(S)                    | Prior to July 2019 | 2019-20           | 2020-21           | 2021-22           | 2022-23     | 2023-24     | Future Years        |
|--------------------------------------|--------------------|-------------------|-------------------|-------------------|-------------|-------------|---------------------|
| General Fund                         | \$ 65,600          | \$ 125,000        | \$ 125,000        | \$ 125,000        | \$ -        | \$ -        | \$ -                |
| GO Bonds - Future Referendum FY 2020 | -                  | -                 | 500,000           | 500,000           | -           | -           | -                   |
| GO Bonds - Future Referendum FY 2024 | -                  | -                 | -                 | -                 | -           | -           | 2,000,000           |
| Grants                               | -                  | -                 | -                 | -                 | -           | -           | -                   |
|                                      | -                  | -                 | -                 | -                 | -           | -           | -                   |
|                                      | -                  | -                 | -                 | -                 | -           | -           | -                   |
| <b>Total Funding Sources</b>         | <b>\$ 65,600</b>   | <b>\$ 125,000</b> | <b>\$ 625,000</b> | <b>\$ 625,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 2,000,000</b> |

**TOTAL PROJECT COST: \$ 3,440,600**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Environmental Services | <b>PROJECT MANAGER</b><br>Magda Holloway | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br>(2) - Vacuum Leaf Truck - Addition | <b>TYPE OF PROJECT</b>                   |
|  | 1 - Health/Safety/Welfare                |
|  | 2 - Maintenance/Replacement              |
|  | <b>X</b> 3 - Existing Programs Expansion |
|  | 4 - New Program                          |

**PROJECT DESCRIPTION**  
Additional 25 yard vehicle mounted Vacuum Leaf Trucks.

**JUSTIFICATION**  
Due to the continued growth, these trucks will be needed in order to provide the service level expected of our residents.



**PROJECT ALTERNATIVES**

Collect leaves in paper bags year round, collect with less costly rear loader vehicles instead of vacuum trucks.

**OPERATING IMPACT/OTHER COMMENTS**

These trucks will address the issues of delayed service schedules due to the lack of equipment, thereby allowing the division to continue to provide the citizens with excellent service.

|                               |                        |                               |      |
|-------------------------------|------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2016 |                               |      |
| <i>Funds Approved to Date</i> | \$ -                   | <i>Funds Expended to Date</i> | \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21           | 2021-22     | 2022-23           | 2023-2024   | Future Years |
|----------------------------|--------------------|-------------|-------------------|-------------|-------------------|-------------|--------------|
| Purchase                   | \$ -               | \$ -        | \$ 200,000        | \$ -        | \$ 205,000        | \$ -        | \$ -         |
| Other                      | -                  | -           | -                 | -           | -                 | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 200,000</b> | <b>\$ -</b> | <b>\$ 205,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21           | 2021-22     | 2022-23           | 2023-2024   | Future Years |
|------------------------------|--------------------|-------------|-------------------|-------------|-------------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -              | \$ -        | \$ -              | \$ -        | \$ -         |
| Installment Purchase         | -                  | -           | 200,000           | -           | 205,000           | -           | -            |
|                              | -                  | -           | -                 | -           | -                 | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 200,000</b> | <b>\$ -</b> | <b>\$ 205,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 405,000**

Capital Improvement Plan  
**FLEET SUMMARY - BY PROJECT**

| PROJECT TITLE              | PRIORITY<br>TYPE | PRIOR TO<br>JULY 2019 | 2019-2020 | 2020-2021 | 2021-2022  | 2022-23   | 2023-24 | FUTURE<br>YEARS | TOTALS     |
|----------------------------|------------------|-----------------------|-----------|-----------|------------|-----------|---------|-----------------|------------|
| 1 Hand Held/Vehicle Radios | M - 3            | \$ -                  | \$ -      | \$ -      | \$ 155,000 | \$ -      | \$ -    | \$ -            | \$ 155,000 |
| 2 Fleet Software           | M - 3            | -                     | -         | -         | -          | 90,000    | -       | -               | 90,000     |
| <b>TOTALS</b>              |                  | \$ -                  | \$ -      | \$ -      | \$ 155,000 | \$ 90,000 | \$ -    | \$ -            | \$ 245,000 |

Priority definitions:    H                    High  
                                   M                    Medium  
                                   L                    Low

Program type:        1                    Health/Safety/Welfare  
                                   2                    Maintenance/Replacement  
                                   3                    Existing programs expansion  
                                   4                    New programs expansion



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                            |  |  |
|----------------------------|--|--|
| <b>DEPARTMENT</b><br>Fleet | <b>PROJECT MANAGER</b><br>Magda Holloway | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|----------------------------|--|--|

|  |  |
|--|--|
| <b>PROJECT TITLE</b><br><br><i>Hand Held &amp; Vehicle Mounted Radios (47 units)</i> | <b>TYPE OF PROJECT</b>                   |
|  | 1 -Health/Safety/Welfare                 |
|  | 2 - Maintenance/Replacement              |
|  | <b>X</b> 3 - Existing Programs Expansion |
|  | 4 - New Program                          |

**PROJECT DESCRIPTION**  
Hand held & vehicle mounted radios (2 - 45) to replace multiple cell phones (up to 30).

**JUSTIFICATION**  
Replacing cell phones with hand held radios will save Public Works money over the use of cell phones. Supervisors (main crew vehicle) will be equipped with one radio and cell phone instead of each staff on the crew having a cell phone. This also provides for a safer work environment where cell phone use during driving periods can be eliminated. Previously scheduled for FY2019, request an extension of two years.



**PROJECT ALTERNATIVES**  
Continue with cell phones, pay a stipend to employees to use their own personal cell phones and numbers.

**OPERATING IMPACT/OTHER COMMENTS**  
Provides for an easier method to contact crews and provides a safer driving environment .

|  |                               |
|--|-------------------------------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | <i>Continuation - FY 2018</i> |
| \$   | -                             |
| <i>Funds Expended to Date</i>                          | \$                            |
|  | -                             |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------------|-------------|-------------|--------------|
| Equipment                  | \$ -               |             | \$ -        | \$ 155,000        | \$ -        | \$ -        | \$ -         |
| Contingency                | -                  | -           | -           | -                 | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 155,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|-------------|-------------|-------------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -        | \$ 155,000        | \$ -        | \$ -        | \$ -         |
|                              | -                  | -           | -           | -                 | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 155,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 155,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|                   |                        |                              |
|-------------------|------------------------|------------------------------|
| <b>DEPARTMENT</b> | <b>PROJECT MANAGER</b> | <b>DEPARTMENTAL PRIORITY</b> |
| Fleet             | Magda Holloway         | Medium                       |

|                                  |  |  |                           |  |                             |          |                                 |  |                 |
|----------------------------------|--|--|---------------------------|--|-----------------------------|----------|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b>             | <b>TYPE OF PROJECT</b>   |  |                           |  |                             |          |                                 |  |                 |
| <i>Fleet Management Software</i> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10px;"></td><td>1 - Health/Safety/Welfare</td></tr> <tr><td></td><td>2 - Maintenance/Replacement</td></tr> <tr><td style="text-align: center;"><b>X</b></td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> |  | 1 - Health/Safety/Welfare |  | 2 - Maintenance/Replacement | <b>X</b> | 3 - Existing Programs Expansion |  | 4 - New Program |
|                                  | 1 - Health/Safety/Welfare  |  |                           |  |                             |          |                                 |  |                 |
|                                  | 2 - Maintenance/Replacement  |  |                           |  |                             |          |                                 |  |                 |
| <b>X</b>                         | 3 - Existing Programs Expansion  |  |                           |  |                             |          |                                 |  |                 |
|                                  | 4 - New Program  |  |                           |  |                             |          |                                 |  |                 |

**PROJECT DESCRIPTION**  
Current work order system to track and monitor fleet maintenance within all Town Departments.

**JUSTIFICATION**  
Current software is outdated and may become incapatable with current practices.



**PROJECT ALTERNATIVES**

\*Develop inhouse software.

**OPERATING IMPACT/OTHER COMMENTS**

Systems track costs associated per vehicle and determine schedule replacement. Also determine charge backs for each department.

|                               |                       |                               |      |
|-------------------------------|-----------------------|-------------------------------|------|
| <b>PROJECT STATUS</b>         | New Project - FY 2020 |                               |      |
| <i>Funds Approved to Date</i> | \$ -                  | <i>Funds Expended to Date</i> | \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23          | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------|------------------|-------------|--------------|
| Purchase                   | \$ -               | \$ -        | \$ -        | \$ -        | \$ 90,000        | \$ -        | \$ -         |
| Other                      | -                  | -           | -           | -           | -                | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 90,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23          | 2023-24     | Future Years |
|------------------------------|--------------------|-------------|-------------|-------------|------------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -        | \$ -        | \$ 90,000        | \$ -        | \$ -         |
|                              | -                  | -           | -           | -           | -                | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 90,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 90,000**

Capital Improvement Plan  
STREETS SUMMARY - BY PROJECT

| PROJECT TITLE                          | PRIORITY TYPE | PRIOR TO         |                   |                   |                   |                   |                   | FUTURE YEARS      | TOTALS              |
|--|---------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
|  |               | JULY 2019        | 2019-2020         | 2020-2021         | 2021-2022         | 2022-23           | 2023-24           |                   |                     |
| 1 Town Roadway Lighting                | M - 1         | \$ -             | \$ 50,000         | \$ 50,000         | \$ 50,000         | \$ -              | \$ -              | \$ -              | \$ 150,000          |
| 2 Transportation New Sidewalk Projects | M - 3         | 80,000           | 100,000           | 100,000           | 100,000           | 100,000           | 100,000           | -                 | 580,000             |
| 3 Single Axle Dump Truck               | M - 3         | -                | -                 | 215,000           | -                 | -                 | -                 | -                 | 215,000             |
| 4 Hot Patch Machine                    | M - 3         | -                | -                 | -                 | 250,000           | -                 | -                 | -                 | 250,000             |
| 5 Asphalt Paving Machine               | M - 3         | -                | -                 | -                 | -                 | -                 | -                 | 260,000           | 260,000             |
| <b>TOTALS</b>                          |               | <b>\$ 80,000</b> | <b>\$ 150,000</b> | <b>\$ 365,000</b> | <b>\$ 400,000</b> | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ 260,000</b> | <b>\$ 1,455,000</b> |

Priority definitions:    H                    High  
                                   M                    Medium  
                                   L                    Low

Program type:        1                    Health/Safety/Welfare  
                                   2                    Maintenance/Replacement  
                                   3                    Existing programs expansion  
                                   4                    New programs expansion

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

**DEPARTMENT**

Streets

**PROJECT MANAGER**

Magda Holloway

**DEPARTMENTAL PRIORITY**

Medium

| PROJECT TITLE                |
|------------------------------|
| <i>Town Roadway Lighting</i> |

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
| X               | 1 -Health/Safety/Welfare        |
|                 | 2 - Maintenance/Replacement     |
|                 | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**

Lighting Town roadways according to NCDOT and ASHTO standards.

**JUSTIFICATION**

For the safety of our citizens as well as the traveling public, it would be advisable to light the roadways of Wake Forest. This project is for lighting along town owned roads not in the Wake Power service district. It is general policy of the Town to light all streets within Town limits. Other areas for lighting include but are not limited to:

1) Jones Dairy Rd. - from NC 98 ByPass to Friendship Chapel Rd. (Wake Forest Power & Wake Electric).

Also included is changing out existing HPS fixtures with LED Fixtures in areas around Town.



**PROJECT ALTERNATIVES**

Maintain current status.

**OPERATING IMPACT/OTHER COMMENTS**

\*Providing lighting will generate a safer environment for the traveling public.  
\*Recommended that the we conduct townwide lighting assessment.

**PROJECT STATUS**

|                                  |
|----------------------------------|
| Continuation - FY 2014           |
| Funds Approved to Date      \$ - |

|                                  |
|----------------------------------|
| Funds Expended to Date      \$ - |
|----------------------------------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20          | 2020-21          | 2021-22          | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|------------------|------------------|------------------|-------------|-------------|--------------|
| Planning & Engineering     | \$ -               | \$ -             | \$ -             | \$ -             | \$ -        | \$ -        | \$ -         |
| Construction               | -                  | 50,000           | 50,000           | 50,000           | -           | -           | -            |
| Other                      | -                  | -                | -                | -                | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ 50,000</b> | <b>\$ 50,000</b> | <b>\$ 50,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20          | 2020-21          | 2021-22          | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|------------------|------------------|------------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -             | \$ -             | \$ -             | \$ -        | \$ -        | \$ -         |
| Electric Fund                | -                  | 50,000           | 50,000           | 50,000           | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ 50,000</b> | <b>\$ 50,000</b> | <b>\$ 50,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:      \$ 150,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                              |  |  |
|------------------------------|--|--|
| <b>DEPARTMENT</b><br>Streets | <b>PROJECT MANAGER</b><br>Magda Holloway | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|------------------------------|--|--|

|   |  |
|---|--|
| <b>PROJECT TITLE</b><br><br><i>Transportation New Sidewalk Projects</i> | <b>TYPE OF PROJECT</b>                   |
|   | 1 - Health/Safety/Welfare                |
|   | 2 - Maintenance/Replacement              |
|   | <b>X</b> 3 - Existing Programs Expansion |
|   | 4 - New Program                          |

**PROJECT DESCRIPTION**  
Continued construction of approved sidewalk plan.

**JUSTIFICATION**  
Construction of sidewalks is consistent with town policy and is mandated by the Zoning Ordinance for new development. The amounts reflect todays costs as identified in the transportation plan. Originally set to begin in FY2017-18, through 2020-21, expanded thru 2023-24 to reflect consistent growth throughout the Town.

**PRIORITIES**  
Durham Road- Capital to North Wingate  
North White Street- Roosevelt to Flaherty  
North Avenue- Start to End  
Roosevelt- Front Street to Wait Ave  
Rogers Road- Forestville to South Main



**PROJECT ALTERNATIVES**  
Contract work at a higher cost.

**OPERATING IMPACT/OTHER COMMENTS**  
This item moved to Funding Level 1 by Board of Commissioners in 1998.

|                               |                        |
|-------------------------------|------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2018 |
| <i>Funds Approved to Date</i> | \$ -                   |
| <i>Funds Expended to Date</i> | \$ -                   |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21           | 2021-22           | 2022-23           | 2023-24           | Future Years |
|----------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------|
| Planning & Engineering     | \$ 5,000           | \$ 5,000          | \$ 5,000          | \$ 5,000          | \$ 5,000          | \$ 5,000          | \$ -         |
| Construction               | 75,000             | 95,000            | 95,000            | 95,000            | 95,000            | 95,000            | -            |
| Other                      | -                  | -                 | -                 | -                 | -                 | -                 | -            |
| <b>Total Project Costs</b> | <b>\$ 80,000</b>   | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20           | 2020-21           | 2021-22           | 2022-23           | 2023-24           | Future Years |
|------------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------|
| General Fund                 | \$ 80,000          | \$ 100,000        | \$ 100,000        | \$ 100,000        | \$ 100,000        | \$ 100,000        | \$ -         |
|                              | -                  | -                 | -                 | -                 | -                 | -                 | -            |
| <b>Total Funding Sources</b> | <b>\$ 80,000</b>   | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 580,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**  
Streets

**PROJECT MANAGER**  
Magda Holloway

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**

*Single Axle Dump Truck - Addition*

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 -Health/Safety/Welfare        |
|                 | 2 - Maintenance/Replacement     |
| X               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Single Axle Dump Truck -Addition

**JUSTIFICATION**  
The purchase of this dump truck will allow the crews within the Streets Division to each have access to a dump truck instead of waiting for one to become available. As major projects continue to come on line, the division will be better prepared to perform these projects and to work more efficiently.

The purchase of this truck may need to be moved up in the CIP process according to workloads. Currently set for FY 2020-21.



**PROJECT ALTERNATIVES**

Continue waiting for one to become available.

**OPERATING IMPACT/OTHER COMMENTS**

The result should equate to better efficiency of the Street crews during major projects.

**PROJECT STATUS**  
*Funds Approved to Date*

|                        |
|------------------------|
| Continuation - FY 2019 |
| \$ -                   |

*Funds Expended to Date*

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21           | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------------|-------------|-------------|-------------|--------------|
| Purchase                   | \$ -               | \$ -        | \$ 215,000        | \$ -        | \$ -        | \$ -        | \$ -         |
| Other                      | -                  | -           | -                 | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 215,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21           | 2021-22     | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|-------------|-------------------|-------------|-------------|-------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -              | \$ -        | \$ -        | \$ -        | \$ -         |
| Installment Purchase         | -                  | -           | 215,000           | -           | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 215,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 215,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**  
Streets

**PROJECT MANAGER**  
Magda Holloway

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
*Hot Patch Machine*

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 -Health/Safety/Welfare        |
|                 | 2 - Maintenance/Replacement     |
| X               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Hot Patch Machine

**JUSTIFICATION**  
The purchase of this machine will allow Town Street Crews to perform more complex patching operations. As major projects come forward, the Division will be better prepared to perform this work more efficiently.



**PROJECT ALTERNATIVES**  
Continue current practice of contracting this out.

**OPERATING IMPACT/OTHER COMMENTS**  
The result should equate to better efficiency of the Street crew during the paving rehab process.

**PROJECT STATUS**  
*Funds Approved to Date*

|                       |
|-----------------------|
| New Project - FY 2020 |
| \$ -                  |

*Funds Expended to Date*

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22    | 2022-23 | 2023-2024 | Future Years |
|----------------------------|--------------------|---------|---------|------------|---------|-----------|--------------|
| Purchase                   | \$ -               | \$ -    | \$ -    | \$ 250,000 | \$ -    | \$ -      | \$ -         |
| Other                      | \$ -               | \$ -    | \$ -    | \$ -       | \$ -    | \$ -      | \$ -         |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ -    | \$ 250,000 | \$ -    | \$ -      | \$ -         |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22    | 2022-23 | 2023-2024 | Future Years |
|------------------------------|--------------------|---------|---------|------------|---------|-----------|--------------|
| General Fund                 | \$ -               | \$ -    | \$ -    | \$ -       | \$ -    | \$ -      | \$ -         |
| Installment Purchase         | \$ -               | \$ -    | \$ -    | \$ 250,000 | \$ -    | \$ -      | \$ -         |
| <b>Total Funding Sources</b> | \$ -               | \$ -    | \$ -    | \$ 250,000 | \$ -    | \$ -      | \$ -         |

**TOTAL PROJECT COST:**

|            |
|------------|
| \$ 250,000 |
|------------|

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**  
Streets

**PROJECT MANAGER**  
Magda Holloway

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
Asphalt Paving Machine

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 - Health/Safety/Welfare       |
|                 | 2 - Maintenance/Replacement     |
| X               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Asphalt Paving Machine

**JUSTIFICATION**  
The purchase of this machine will allow Town Street Crews to perform more complex paving operations and also allow for Greenway maintenance, repair and construction. As major projects come forward, the Division will be better prepared to perform this work more efficiently.



**PROJECT ALTERNATIVES**  
Continue current practice of contracting this out.

**OPERATING IMPACT/OTHER COMMENTS**  
The result should equate to better efficiency of the Street crew during the paving rehab process.

**PROJECT STATUS**  
Funds Approved to Date

|                        |
|------------------------|
| Continuation - FY 2018 |
| \$ -                   |

Funds Expended to Date

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-2024 | Future Years |
|----------------------------|--------------------|---------|---------|---------|---------|-----------|--------------|
| Purchase                   | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -      | \$ 260,000   |
| Other                      | -                  | -       | -       | -       | -       | -         | -            |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -      | \$ 260,000   |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-2024 | Future Years |
|------------------------------|--------------------|---------|---------|---------|---------|-----------|--------------|
| General Fund                 | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -      | \$ -         |
| Installment Purchase         | -                  | -       | -       | -       | -       | -         | 260,000      |
| <b>Total Funding Sources</b> | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -      | \$ 260,000   |

**TOTAL PROJECT COST:** \$ 260,000



Capital Improvement Plan  
ELECTRIC SUMMARY - BY PROJECT

| PROJECT TITLE                              | PRIORITY TYPE | PRIOR TO            |                     |                     |                     |                     |                     |             | FUTURE YEARS        | TOTALS |
|--|---------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------|---------------------|--------|
|  |               | JULY 2019           | 2019-2020           | 2020-2021           | 2021-2022           | 2022-23             | 2023-2024           |             |                     |        |
| 1 New Electric Building - 5301 Unicon Dr.  | M - 3         | \$ 400,000          | \$ 500,000          | \$ 500,000          | \$ -                | \$ -                | \$ -                | \$ -        | \$ 1,400,000        |        |
| 2 Line Construction/System Improvements    | M - 2         | 800,000             | 1,100,000           | 1,200,000           | 1,300,000           | 1,400,000           | 1,400,000           | -           | 7,200,000           |        |
| 3 LED Conversion                           | M - 2         | -                   | -                   | 312,500             | -                   | 312,500             | -                   | -           | 625,000             |        |
| 4 Four Position Watt-Hour Meter Test Board | M - 3         | -                   | -                   | 90,000              | -                   | -                   | -                   | -           | 90,000              |        |
| 5 Back Property Digger Derrick             | M - 3         | -                   | -                   | -                   | 165,000             | -                   | -                   | -           | 165,000             |        |
| 6 Pick-Up Truck - Additional Vehicle       | M - 3         | -                   | -                   | -                   | -                   | 75,000              | -                   | -           | 75,000              |        |
| <b>TOTALS</b>                              |               | <b>\$ 1,200,000</b> | <b>\$ 1,600,000</b> | <b>\$ 2,102,500</b> | <b>\$ 1,465,000</b> | <b>\$ 1,787,500</b> | <b>\$ 1,400,000</b> | <b>\$ -</b> | <b>\$ 9,555,000</b> |        |

Priority definitions:    H                    High  
                                   M                    Medium  
                                   L                    Low

Program type:        1                    Health/Safety/Welfare  
                                   2                    Maintenance/Replacement  
                                   3                    Existing programs expansion  
                                   4                    New programs expansion

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|  |   |  |
|--|---|--|
| <b>DEPARTMENT</b><br>Public Facilities | <b>PROJECT MANAGER</b><br>Mickey Rochelle | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--|---|--|

|   |  |                           |                             |  |                 |
|---|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>New Electric Building - 5301 Unicon Dr. | <b>TYPE OF PROJECT</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare   |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement   |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion                            |  |                           |                             |  |                 |
| 4 - New Program   |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
New Electric Division Building including building remodel and construction retrofitting

**JUSTIFICATION**  
The town contracted with an architectural firm to do a space analysis for Public Works. The findings were a recommended building costing \$32 million. To save money, an existing warehouse was purchased for \$3.2 million that would result in Public Works and Electric operating out of two buildings, rather than six and four addresses. The project will include construction documents, construction, technology, furniture and contingency funds.



**PROJECT ALTERNATIVES**

- \*Lease office space and multiple locations
- \*Move into space without remodel

**OPERATING IMPACT/OTHER COMMENTS**

Additional utilities and maintenance to include security and cleaning include approximately \$90,000 annually. Cost would vary depending on usage of buildings.

|                               |                       |                               |      |
|-------------------------------|-----------------------|-------------------------------|------|
| <b>PROJECT STATUS</b>         | New Project - FY 2020 |                               |      |
| <i>Funds Approved to Date</i> | \$ 400,000            | <i>Funds Expended to Date</i> | \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21           | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------------|-------------------|-------------|-------------|-------------|--------------|
| Planning & Engineering     | \$ 60,000          | \$ 500,000        | \$ 500,000        | \$ -        | \$ -        | \$ -        | \$ -         |
| Purchase                   | -                  | -                 | -                 | -           | -           | -           | -            |
| Construction               | 340,000            | -                 | -                 | -           | -           | -           | -            |
| Equipment                  | -                  | -                 | -                 | -           | -           | -           | -            |
| Contingency                | -                  | -                 | -                 | -           | -           | -           | -            |
| Other                      | -                  | -                 | -                 | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ 400,000</b>  | <b>\$ 500,000</b> | <b>\$ 500,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20           | 2020-21           | 2021-22     | 2022-23     | 2023-24     | Future Years |
|------------------------------|--------------------|-------------------|-------------------|-------------|-------------|-------------|--------------|
| Installment Purchase         | \$ 400,000         | \$ -              | \$ -              | \$ -        | \$ -        | \$ -        | \$ -         |
| Electric Fund                | -                  | 500,000           | 500,000           | -           | -           | -           | -            |
| <b>Total Funding Sources</b> | <b>\$ 400,000</b>  | <b>\$ 500,000</b> | <b>\$ 500,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST: \$ 1,400,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**

Electric

**PROJECT MANAGER**

Chris Terrell

**DEPARTMENTAL PRIORITY**

Medium

| PROJECT TITLE                                |
|--|
| <i>Line Construction/System Improvements</i> |

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 - Health/Safety/Welfare       |
| <b>X</b>        | 2 - Maintenance/Replacement     |
|                 | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**

Provide funds to extend and upgrade the Electrical Distribution System.

**JUSTIFICATION**

Current economic conditions have begun to show improvement in new multi-family residential and commercial loads that require service which our distribution system will need to be prepared for. Upgrades on existing distribution system in the older sections of the system need attention and extension of service to new development will still be required. The amount budgeted varies from year to year and is adjusted accordingly during the annual budget process contingent upon what projects (commercial or residential) are projected for the upcoming year.



**PROJECT ALTERNATIVES**

Perform less replacement and more maintenance with the hope that the maintenance will work for extended periods.

**OPERATING IMPACT/OTHER COMMENTS**

Unknown commercial or residential projects may effect requested amounts.

**PROJECT STATUS**

*Funds Approved to Date*

| Annual Project |
|----------------|
| \$ 800,000     |

*Funds Expended to Date*

|            |
|------------|
| \$ 316,146 |
|------------|

| CAPITAL COST BREAKDOWN     | Prior to<br>July 2019 | 2019-20             | 2020-21             | 2021-22             | 2022-23             | 2023-24             | Future<br>Years |
|----------------------------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------|
| Planning & Engineering     | \$ 50,000             | \$ 100,000          | \$ 100,000          | \$ 100,000          | \$ 100,000          | \$ 100,000          | \$ -            |
| Purchase                   | -                     | -                   | -                   | -                   | -                   | -                   | -               |
| Construction               | 750,000               | 1,000,000           | 1,100,000           | 1,200,000           | 1,300,000           | 1,300,000           | -               |
| <b>Total Project Costs</b> | <b>\$ 800,000</b>     | <b>\$ 1,100,000</b> | <b>\$ 1,200,000</b> | <b>\$ 1,300,000</b> | <b>\$ 1,400,000</b> | <b>\$ 1,400,000</b> | <b>\$ -</b>     |

| FUNDING SOURCE(S)                 | Prior to<br>July 2019 | 2019-20             | 2020-21             | 2021-22             | 2022-23             | 2023-24             | Future<br>Years |
|-----------------------------------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------|
| Electric User Fees/Other Revenues | \$ 800,000            | \$ 1,100,000        | \$ 1,200,000        | \$ 1,300,000        | \$ 1,400,000        | \$ 1,400,000        | \$ -            |
|                                   | -                     | -                   | -                   | -                   | -                   | -                   | -               |
| <b>Total Funding Sources</b>      | <b>\$ 800,000</b>     | <b>\$ 1,100,000</b> | <b>\$ 1,200,000</b> | <b>\$ 1,300,000</b> | <b>\$ 1,400,000</b> | <b>\$ 1,400,000</b> | <b>\$ -</b>     |

**TOTAL PROJECT COST:**

**\$ 7,200,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|                               |   |                                      |
|-------------------------------|---|--------------------------------------|
| <b>DEPARTMENT</b><br>Electric | <b>PROJECT MANAGER</b><br>Chris Terrell | <b>DEPARTMENTAL PRIORITY</b><br>High |
|-------------------------------|---|--------------------------------------|

|  |   |
|--|---|
| <b>PROJECT TITLE</b><br><br>LED Conversion | <b>TYPE OF PROJECT</b>  |
|  | 1 - Health/Safety/Welfare                                       |
|  | <input checked="" type="checkbox"/> 2 - Maintenance/Replacement |
|  | 3 - Existing Programs Expansion                                 |
|  | 4 - New Program   |

**PROJECT DESCRIPTION**  
Convert the Town's street lights from high pressure sodium to energy efficient LED.

**JUSTIFICATION**  
LED's are more energy efficient than traditional bulbs saving on energy costs. The LED's last longer which saves money in manpower. The Town has also committed to having all street lights changed to LED by 2024.



**PROJECT ALTERNATIVES**  
Continue purchasing HPS bulbs and fixtures.

**OPERATING IMPACT/OTHER COMMENTS**  
Most vendors are going away from HPS lights, so the town will eventually be forced to move to LEDs. Installation of these lights will generate a cost savings in operations. The Town plans to hire a contractor for the installation of the LED lights.

|                               |                       |                               |
|-------------------------------|-----------------------|-------------------------------|
| <b>PROJECT STATUS</b>         | New Project - FY 2020 |                               |
| <i>Funds Approved to Date</i> | \$ -                  | <i>Funds Expended to Date</i> |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21           | 2021-22     | 2022-23           | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------------|-------------|-------------------|-------------|--------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -              | \$ -        | \$ -              | \$ -        | \$ -         |
| Purchase                   | -                  | -           | 312,500           | -           | 312,500           | -           | -            |
| Construction               | -                  | -           | -                 | -           | -                 | -           | -            |
| Equipment                  | -                  | -           | -                 | -           | -                 | -           | -            |
| Contingency                | -                  | -           | -                 | -           | -                 | -           | -            |
| Other                      | -                  | -           | -                 | -           | -                 | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 312,500</b> | <b>\$ -</b> | <b>\$ 312,500</b> | <b>\$ -</b> | <b>\$ -</b>  |


| FUNDING SOURCE(S)                   | Prior to July 2019 | 2019-20     | 2020-21           | 2021-22     | 2022-23           | 2023-24     | Future Years |
|-------------------------------------|--------------------|-------------|-------------------|-------------|-------------------|-------------|--------------|
| General Fund                        | \$ -               | \$ -        | \$ -              | \$ -        | \$ -              | \$ -        | \$ -         |
| Electric User Fees & Other Revenues | -                  | -           | 312,500           | -           | 312,500           | -           | -            |
| <b>Total Funding Sources</b>        | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 312,500</b> | <b>\$ -</b> | <b>\$ 312,500</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 625,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|                               |   |  |
|-------------------------------|---|--|
| <b>DEPARTMENT</b><br>Electric | <b>PROJECT MANAGER</b><br>Chris Terrell | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|-------------------------------|---|--|

|   |  |                           |                             |  |                 |
|---|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Four Position Watt-Hour Meter Test Board</i> | <b>TYPE OF PROJECT</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare   |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement   |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion                                    |  |                           |                             |  |                 |
| 4 - New Program   |  |                           |                             |  |                 |

|  |   |
|--|---|
| <b>PROJECT DESCRIPTION</b><br>Replacement of existing test equipment due to age and technology changes.  |  |
| <b>JUSTIFICATION</b><br>This test board will be replacing the existing test board and be installed in the new Meter Shop in the proposed new Operation Center. Due to constant changes in technology, we hope to have the most up to date equipment available to perform the required testing of our meters. |   |

|   |  |
|---|--|
| <b>PROJECT ALTERNATIVES</b><br>Continue with our existing test board. | <b>OPERATING IMPACT/OTHER COMMENTS</b><br>This purchase will ensure our customers that all meters are reading accurately upon testing. |
|---|--|

|                               |                        |                                    |
|-------------------------------|------------------------|------------------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2017 |                                    |
| <i>Funds Approved to Date</i> | \$ -                   | <i>Funds Expended to Date</i> \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21          | 2021-22     | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|------------------|-------------|-------------|-------------|--------------|
| Purchase                   | \$ -               | \$ -        | \$ -             | \$ -        | \$ -        | \$ -        | \$ -         |
| Equipment                  | -                  | -           | 90,000           | -           | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 90,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)                   | Prior to July 2019 | 2019-20     | 2020-21          | 2021-22     | 2022-23     | 2023-24     | Future Years |
|-------------------------------------|--------------------|-------------|------------------|-------------|-------------|-------------|--------------|
| Electric User Fees & Other Revenues | \$ -               | \$ -        | \$ 90,000        | \$ -        | \$ -        | \$ -        | \$ -         |
|                                     | -                  | -           | -                | -           | -           | -           | -            |
| <b>Total Funding Sources</b>        | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ 90,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:**     **\$ 90,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|                               |   |  |
|-------------------------------|---|--|
| <b>DEPARTMENT</b><br>Electric | <b>PROJECT MANAGER</b><br>Chris Terrell | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|-------------------------------|---|--|

|  |  |                           |                             |  |                 |
|--|--|---------------------------|-----------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br><i>Back Property Digger Derrick - Additional Equipment</i> | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td>2 - Maintenance/Replacement</td></tr> <tr><td><b>X</b> 3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | 2 - Maintenance/Replacement | <b>X</b> 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare  |  |                           |                             |  |                 |
| 2 - Maintenance/Replacement  |  |                           |                             |  |                 |
| <b>X</b> 3 - Existing Programs Expansion   |  |                           |                             |  |                 |
| 4 - New Program  |  |                           |                             |  |                 |

**PROJECT DESCRIPTION**  
New Back Property Digger Derrick

**JUSTIFICATION**  
This machine allows for easy, safe access into back property easements. Allowing for maintenance and repair with minimal impact on residents yards and faster restoration time after storms.



**PROJECT ALTERNATIVES**  
Assign several crews when easement work is to be done or if possible drive large trucks through resident's yards.

**OPERATING IMPACT/OTHER COMMENTS**  
This machine does the work that would take 10 men to accomplish by being able to set poles and transformers, it also eliminates climbing. It gives the Town an added dimension when responding to storm repair, here and at other Utilities as back property equipment is always in high demand.

|                               |                        |                                    |
|-------------------------------|------------------------|------------------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2019 |                                    |
| <i>Funds Approved to Date</i> | \$ -                   | <i>Funds Expended to Date</i> \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23     | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------------|-------------|-------------|--------------|
| Purchase                   | \$ -               | \$ -        | \$ -        | \$ 165,000        | \$ -        | \$ -        | \$ -         |
| Other                      | -                  | -           | -           | -                 | -           | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 165,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)                   | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23     | 2023-24     | Future Years |
|-------------------------------------|--------------------|-------------|-------------|-------------------|-------------|-------------|--------------|
| Electric User Fees & Other Revenues | \$ -               | \$ -        | \$ -        | \$ -              | \$ -        | \$ -        | \$ -         |
| Installment Purchase                | -                  | -           | -           | 165,000           | -           | -           | -            |
| <b>Total Funding Sources</b>        | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 165,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:** **\$ 165,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|                               |   |  |
|-------------------------------|---|--|
| <b>DEPARTMENT</b><br>Electric | <b>PROJECT MANAGER</b><br>Chris Terrell | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|-------------------------------|---|--|

|   |  |
|---|--|
| <b>PROJECT TITLE</b><br><br><i>Pick-Up Truck - Additional Vehicle</i> | <b>TYPE OF PROJECT</b>                   |
|   | 1 - Health/Safety/Welfare                |
|   | 2 - Maintenance/Replacement              |
|   | <b>X</b> 3 - Existing Programs Expansion |
|   | 4 - New Program                          |

**PROJECT DESCRIPTION**  
Pick-Up Truck- Additional Vehicle

**JUSTIFICATION**  
With future growth of the town expected, both residentially and commercial, new employees will be needed to meet the work load. Any new crews to the town will need a work vehicle.



**PROJECT ALTERNATIVES**

Keep the number of crews the same no truck will be needed.

**OPERATING IMPACT/OTHER COMMENTS**

With the number of new developments, this will allow the Town to be able to meet construction deadlines and still provide reliable service to existing customers. Unknown projects may effect the priority for this vehicle.

|                               |                        |                                    |
|-------------------------------|------------------------|------------------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2019 |                                    |
| <i>Funds Approved to Date</i> | \$ -                   | <i>Funds Expended to Date</i> \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23          | 2023-24     | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------|------------------|-------------|--------------|
| Purchase                   | \$ -               | \$ -        | \$ -        | \$ -        | \$ 75,000        | \$ -        | \$ -         |
| Other                      | -                  | -           | -           | -           | -                | -           | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 75,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)                   | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23          | 2023-24     | Future Years |
|-------------------------------------|--------------------|-------------|-------------|-------------|------------------|-------------|--------------|
| Electric User Fees & Other Revenues | \$ -               | \$ -        | \$ -        | \$ -        | \$ -             | \$ -        | \$ -         |
| Installment Purchase                | -                  | -           | -           | -           | 75,000           | -           | -            |
| <b>Total Funding Sources</b>        | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 75,000</b> | <b>\$ -</b> | <b>\$ -</b>  |

**TOTAL PROJECT COST:**      **\$ 75,000**

Capital Improvement Plan  
**ASSET MAINTENANCE SUMMARY - BY PROJECT**

| PROJECT TITLE  | PRIORITY TYPE | Prior to July 2019  | 2019-20           | 2020-21             | 2021-22             | 2022-23             | 2023-24             | Future Years        | TOTALS               |
|--|---------------|---------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| 1 Transportation - Sidewalk Replacement                                  | M - 2         | \$ -                | \$ 100,000        | \$ 100,000          | \$ 100,000          | \$ 100,000          | \$ 100,000          | \$ -                | \$ 500,000           |
| 2 Street Maintenance and Resurfacing                                     | M - 2         | 2,644,530           | 100,000           | 500,000             | 1,500,000           | 885,000             | 885,000             | -                   | 6,514,530            |
| 3 Stormwater Infrastructure Maintenance and Funding                      | M - 2         | 90,000              | 300,000           | 300,000             | 300,000             | 300,000             | 300,000             | 600,000             | 2,190,000            |
| 4 Town Hall @ 301 S. Brooks Street                                       | H - 2         | 70,000              | 100,000           | 100,000             | 175,000             | 100,000             | 100,000             | 230,000             | 875,000              |
| 5 Sports/Athletic Field Playing Surface Repair                           | M - 2         | -                   | 60,000            | -                   | -                   | -                   | -                   | -                   | 60,000               |
| 6 Athletic Court Construction  | M - 2         | -                   | 85,000            | 185,000             | 185,000             | -                   | -                   | 40,000              | 495,000              |
| 7 Athletic Fields Fence Replacement                                      | M - 2         | -                   | 150,000           | 150,000             | -                   | -                   | -                   | -                   | 300,000              |
| 8 Metal Roof Replacement - Main Police Department @ 225 S. Taylor Street | M - 2         | -                   | 50,000            | -                   | -                   | -                   | -                   | 155,000             | 205,000              |
| 9 Board Chambers - AV/Camera System                                      | M - 2         | 113,200             | -                 | 47,000              | -                   | 65,500              | -                   | 65,000              | 290,700              |
| 10 Playground Surface Replacement  | M - 2         | -                   | -                 | -                   | 125,000             | 100,000             | 75,000              | -                   | 300,000              |
| <b>11 Wake Forest Reservoir Improvements</b>                             | H - 2         | 292,000             | -                 | -                   | 383,800             | 1,919,000           | 520,200             | 1,363,500           | 4,478,500            |
| 12 North Main Stormwater Repair and Roadway Rehab                        | H - 1         | -                   | -                 | -                   | -                   | 100,000             | 750,000             | -                   | 850,000              |
| 13 Flaherty Park Dam Repair  | M - 1         | 131,300             | -                 | -                   | -                   | -                   | -                   | 878,900             | 1,010,200            |
| 14 Richland Creek Greenway Stream Repair                                 | H - 2         | 116,900             | -                 | -                   | -                   | -                   | -                   | 225,000             | 341,900              |
| 15 Sanford Creek Greenway Boardwalk Replacement                          | M - 1         | -                   | -                 | -                   | -                   | -                   | -                   | 1,893,800           | 1,893,800            |
| 16 Smith Creek Soccer Center Improvements                                | M - 2         | -                   | -                 | -                   | -                   | -                   | -                   | 1,252,400           | 1,252,400            |
| 17 Holding Community Center - Maintenance                                | M - 2         | -                   | -                 | -                   | -                   | -                   | -                   | 100,000             | 100,000              |
| 18 Alston Massenburg - Maintenance                                       | M - 2         | -                   | -                 | -                   | -                   | -                   | -                   | 90,000              | 90,000               |
| 19 Miller Park Stream Rehabilitation and Restoration                     | L - 2         | -                   | -                 | -                   | -                   | -                   | -                   | 1,232,800           | 1,232,800            |
| <b>TOTALS</b>  |               | <b>\$ 3,457,930</b> | <b>\$ 945,000</b> | <b>\$ 1,382,000</b> | <b>\$ 2,768,800</b> | <b>\$ 3,569,500</b> | <b>\$ 2,730,200</b> | <b>\$ 8,126,400</b> | <b>\$ 22,979,830</b> |

Priority definitions: H High  
M Medium  
L Low

Program type: 1 Health/Safety/Welfare  
2 Maintenance/Replacement  
3 Existing programs expansion  
4 New programs expansion

**Note 1:** The November 2014 approved bond referendum included \$4.6M of funds allocated for Greenway Improvements. Projects that have been completely funded are not reported in this update. The remaining projects include: 1) Wake Forest Reservoir Improvements



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|                             |  |  |
|-----------------------------|--|--|
| <b>DEPARTMENT</b><br>Street | <b>PROJECT MANAGER</b><br>Magda Holloway | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|-----------------------------|--|--|

|  |   |
|--|---|
| <b>PROJECT TITLE</b><br><br><i>Transportation - Sidewalk Replacement</i> | <b>TYPE OF PROJECT</b>  |
|  | 1 - Health/Safety/Welfare                                       |
|  | <input checked="" type="checkbox"/> 2 - Maintenance/Replacement |
|  | 3 - Existing Programs Expansion                                 |
|  | 4 - New Program   |

**PROJECT DESCRIPTION**  
Continued construction of approved sidewalk plan to replace deteriorated, broken and/or uneven sidewalks which can create tripping hazards. To be done on an area by area basis.

**JUSTIFICATION**  
Construction of sidewalks is consistent with town policy and is mandated by the zoning ordinance for new development.

Repair and replacement of existing sidewalks.



**PROJECT ALTERNATIVES**

1) Contract work at a higher cost.  
2) Temporarily fix trip hazards.

**OPERATING IMPACT/OTHER COMMENTS**

\*Reduces liability and improves overall aesthetics of the town.

|  |                               |
|--|-------------------------------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | <b>Annual Project</b><br>\$ - |
| <i>Funds Expended to Date</i>                          | <i>Funds Expended to Date</i> |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20    | 2020-21    | 2021-22    | 2022-23    | 2023-24    | Future Years |
|----------------------------|--------------------|------------|------------|------------|------------|------------|--------------|
| Planning & Engineering     | \$ -               | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -         |
| Construction               | -                  | 100,000    | 100,000    | 100,000    | 100,000    | 100,000    | -            |
| Contingency                | -                  | -          | -          | -          | -          | -          | -            |
| Other                      | -                  | -          | -          | -          | -          | -          | -            |
| <b>Total Project Costs</b> | \$ -               | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ -         |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20    | 2020-21    | 2021-22    | 2022-23    | 2023-24    | Future Years |
|------------------------------|--------------------|------------|------------|------------|------------|------------|--------------|
| General Fund                 | \$ -               | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ -         |
|                              | -                  | -          | -          | -          | -          | -          | -            |
| <b>Total Funding Sources</b> | \$ -               | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ -         |

**TOTAL PROJECT COST:** \$ 500,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**

Public Works/Engineering

**PROJECT MANAGER**

Scott Miles

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Street Maintenance and Resurfacing*

**TYPE OF PROJECT**

- 1 - Health/Safety/Welfare
- X** 2 - Maintenance/Replacement
- 3 - Existing Programs Expansion
- 4 - New Program

**PROJECT DESCRIPTION**

Pavement rehabilitation and maintenance of accepted roadways owned and maintained by the Town of Wake Forest. Work to be conducted by outside contractor.



**JUSTIFICATION**

Maintenance projects as identified in the 2014 Summit Design pavement analysis report, ranked based on need/prioritization. The last analysis was performed in 2000. In FY 2017-2018, \$2.4 million was used to complete several reconnections along with resurfacing/rehabilitating streets identified in report. With the number of town owned streets added over the years, this is an ongoing project. Staff is recommending to allocate a portion of 2020 Bond referendum for additional street resurfacing and maintenance.

**PROJECT ALTERNATIVES**

- 1) Allocate funding to rehab existing roadways that have been identified in resurfacing inventory (2014).
- 2) Wait/conduct portion of annual maintenance based on priority ranking.
- 3) Conduct an engineering study every other year.

**OPERATING IMPACT/OTHER COMMENTS**

- \*Continual analysis underway to determine the numbers of streets that the town can expect to complete
- \*Potential subgrade failure if not addressed, liability issues (pothole, roadway failure, vehicle damage, etc.)
- \*Repairs sooner will lead to longer life, less maintenance and full repair savings.
- \*Funds approved/expended to date include recent road connections.**

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2016

\$ 2,644,530

*Funds Expended to Date*

\$ 2,224,373

| CAPITAL COST BREAKDOWN     | Prior to July 2019  | 2019-20           | 2020-21           | 2021-22             | 2022-23           | 2023-24           | Future Years |
|----------------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|--------------|
| Planning & Engineering     | \$ 375,000          | \$ 100,000        | \$ -              | -                   | \$ 50,000         | \$ 50,000         | \$ -         |
| Construction               | 2,269,530           | -                 | 500,000           | 1,500,000           | 835,000           | 835,000           | -            |
| Contingency                | -                   | -                 | -                 | -                   | -                 | -                 | -            |
| <b>Total Project Costs</b> | <b>\$ 2,644,530</b> | <b>\$ 100,000</b> | <b>\$ 500,000</b> | <b>\$ 1,500,000</b> | <b>\$ 885,000</b> | <b>\$ 885,000</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)                    | Prior to July 2019  | 2019-20           | 2020-21           | 2021-22             | 2022-23           | 2023-24           | Future Years |
|--------------------------------------|---------------------|-------------------|-------------------|---------------------|-------------------|-------------------|--------------|
| General Fund                         | \$ 244,530          | \$ 100,000        | \$ -              | \$ -                | \$ -              | \$ -              | \$ -         |
| Installment Purchase                 | 2,400,000           | -                 | -                 | -                   | -                 | -                 | -            |
| GO Bonds - Future Referendum FY 2020 | -                   | -                 | 500,000           | 1,500,000           | -                 | -                 | -            |
| Powell Bill                          | -                   | -                 | -                 | -                   | 885,000           | 885,000           | -            |
| <b>Total Funding Sources</b>         | <b>\$ 2,644,530</b> | <b>\$ 100,000</b> | <b>\$ 500,000</b> | <b>\$ 1,500,000</b> | <b>\$ 885,000</b> | <b>\$ 885,000</b> | <b>\$ -</b>  |


**TOTAL PROJECT COST:**

**\$ 6,514,530**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Public Works/Engineering | <b>PROJECT MANAGER</b><br>Magda Holloway | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|   |  |                           |                                      |                                 |                 |
|---|--|---------------------------|--------------------------------------|---------------------------------|-----------------|
| <b>PROJECT TITLE</b><br><br>Stormwater Infrastructure Maintenance and Funding | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td><b>X</b> 2 - Maintenance/Replacement</td></tr> <tr><td>3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | <b>X</b> 2 - Maintenance/Replacement | 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare   |  |                           |                                      |                                 |                 |
| <b>X</b> 2 - Maintenance/Replacement  |  |                           |                                      |                                 |                 |
| 3 - Existing Programs Expansion   |  |                           |                                      |                                 |                 |
| 4 - New Program   |  |                           |                                      |                                 |                 |

|   |  |
|---|--|
| <p><b>PROJECT DESCRIPTION</b><br/>Continual maintenance of Town owned and maintained stormwater infrastructure by the Town of Wake Forest. Work to be conducted by both Town staff and outside contractor. Specific areas will be identified as operating budget is prepared.</p> <p><b>JUSTIFICATION</b><br/>Maintenance projects as identified by Town staff as stormwater infrastructure continues to age.</p> |  |
|---|--|

|   |   |
|---|---|
| <p><b>PROJECT ALTERNATIVES</b></p> <ol style="list-style-type: none"> <li>Allocate funding to rehab existing stormwater infrastructure.</li> <li>Wait/conduct portion of annual maintenance based on priority ranking.</li> <li>Conduct an engineering study every other year.</li> </ol> | <p><b>OPERATING IMPACT/OTHER COMMENTS</b></p> <ul style="list-style-type: none"> <li>*Potential subgrade failure, increased flooding, liability issues if not addressed.</li> <li>* Repairs sooner will lead to longer life, less maintenance and full repair savings.</li> <li>* In FY 17-18, two stormwater repairs were made for approximately \$90,000. This is a new CIP project going forward.</li> </ul> |
|---|---|

|                        |                       |
|------------------------|-----------------------|
| <b>PROJECT STATUS</b>  | New Project - FY 2020 |
| Funds Approved to Date | \$ -                  |
| Funds Expended to Date | \$ 90,000             |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20           | 2020-21           | 2021-22           | 2022-23           | 2023-24           | Future Years      |
|----------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Planning & Engineering     | \$ -               | \$ 10,000         | \$ 10,000         | \$ 10,000         | \$ 10,000         | \$ 10,000         | \$ -              |
| Purchase                   | -                  | -                 | -                 | -                 | -                 | -                 | -                 |
| Construction               | 90,000             | 290,000           | 290,000           | 290,000           | 290,000           | 290,000           | 600,000           |
| <b>Total Project Costs</b> | <b>\$ 90,000</b>   | <b>\$ 300,000</b> | <b>\$ 300,000</b> | <b>\$ 300,000</b> | <b>\$ 300,000</b> | <b>\$ 300,000</b> | <b>\$ 600,000</b> |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20           | 2020-21           | 2021-22           | 2022-23           | 2023-24           | Future Years      |
|------------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| General Fund                 | \$ 90,000          | \$ 300,000        | \$ 300,000        | \$ 300,000        | \$ 300,000        | \$ 300,000        | \$ 600,000        |
|                              | -                  | -                 | -                 | -                 | -                 | -                 | -                 |
| <b>Total Funding Sources</b> | <b>\$ 90,000</b>   | <b>\$ 300,000</b> | <b>\$ 300,000</b> | <b>\$ 300,000</b> | <b>\$ 300,000</b> | <b>\$ 300,000</b> | <b>\$ 600,000</b> |

**TOTAL PROJECT COST: \$2,190,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|  |   |                                      |
|--|---|--------------------------------------|
| <b>DEPARTMENT</b><br>Public Facilities | <b>PROJECT MANAGER</b><br>Mickey Rochelle | <b>DEPARTMENTAL PRIORITY</b><br>High |
|--|---|--------------------------------------|

|  |                                 |
|--|---------------------------------|
| <b>PROJECT TITLE</b><br><br><i>Town Hall @ 301 S. Brooks Street- Maintenance</i> | <b>TYPE OF PROJECT</b>          |
|  | 1 -Health/Safety/Welfare        |
|  | 2 - Maintenance/Replacement     |
|  | 3 - Existing Programs Expansion |
|  | 4 - New Program                 |

**PROJECT DESCRIPTION**

1. Replace Eaton Lighting controls with Enlightened Lighting Controls.
2. Replace Carpet FY2021
3. Space reconfiguration
4. AHU replacement FY2025, Chiller Replacement FY2030, and VAV Box Replacement FY2030

**5. JUSTIFICATION**  
As Town Hall ages, needs arise for upkeep and maintenance of several areas such as lighting and carpet. The lighting controls are now obsolete and some parts can not be ordered for repairs. Parts are not being made by Eaton or any other after-market company. Over the past several years the town has continued to evolve and grow, which has necessitated additional staff and office space. This provides funding for small reconfigurations as the need arises.



**PROJECT ALTERNATIVES**

- 1) Continue working in areas showing wear and tear.
- 2) Higher utility bills than necessary

**OPERATING IMPACT/OTHER COMMENTS**

- 1) Properly operating lights and replacement of worn carpet areas.
- 2) Current lighting system has control boards that are not made any longer by manufacturer.

|                               |                        |                               |           |
|-------------------------------|------------------------|-------------------------------|-----------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2017 |                               |           |
| <i>Funds Approved to Date</i> | \$ 119,000             | <i>Funds Expended to Date</i> | \$ 69,053 |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20    | 2020-21    | 2021-22    | 2022-23    | 2023-24    | Future Years |
|----------------------------|--------------------|------------|------------|------------|------------|------------|--------------|
| Purchase                   | 70,000             | 100,000    | 100,000    | 175,000    | 100,000    | 100,000    | 230,000      |
| Equipment                  | -                  | -          | -          | -          | -          | -          | -            |
| Other                      | -                  | -          | -          | -          | -          | -          | -            |
| <b>Total Project Costs</b> | \$ 70,000          | \$ 100,000 | \$ 100,000 | \$ 175,000 | \$ 100,000 | \$ 100,000 | \$ 230,000   |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20    | 2020-21    | 2021-22    | 2022-23    | 2023-24    | Future Years |
|------------------------------|--------------------|------------|------------|------------|------------|------------|--------------|
| General Fund                 | \$ 70,000          | \$ 100,000 | \$ 100,000 | \$ 175,000 | \$ 100,000 | \$ 100,000 | \$ 230,000   |
|                              | -                  | -          | -          | -          | -          | -          | -            |
| <b>Total Funding Sources</b> | \$ 70,000          | \$ 100,000 | \$ 100,000 | \$ 175,000 | \$ 100,000 | \$ 100,000 | \$ 230,000   |

**TOTAL PROJECT COST:** \$ 875,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Parks, Recreation and Cultural Resources | <b>PROJECT MANAGER</b><br>Ruben Wall/Josh Glover | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|   |                                 |
|---|---------------------------------|
| <b>PROJECT TITLE</b><br><br><i>Sports/Athletic Field Playing Surface Repair</i> | <b>TYPE OF PROJECT</b>          |
|   | 1 -Health/Safety/Welfare        |
|   | 2 - Maintenance/Replacement     |
|   | 3 - Existing Programs Expansion |
|   | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Repair low areas in the outfield of Forrest Field.

**JUSTIFICATION**  
Approximately 0.25 acres of the playing surface at Forrest Field remains constantly wet because of drainage issues. They have recently gotten worse because of the conditions of the slopes caused by the ramp that leads to Wake Forest Elementary School.



**PROJECT ALTERNATIVES**  
Remove trench former and install perforated, pea gravel encased drain pipe. - Subtract \$20,000.

**OPERATING IMPACT/OTHER COMMENTS**  
-This safety concern often leads to cancellations of towns practices/games.  
-Puddles remain several days after a rain event  
-Bare areas in the turf have formed because they are constantly wet.

|  |                                |                               |      |
|--|--------------------------------|-------------------------------|------|
| <b>PROJECT STATUS</b><br><i>Funds Approved to Date</i> | Continuation - FY 2019<br>\$ - | <i>Funds Expended to Date</i> | \$ - |
|--|--------------------------------|-------------------------------|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20   | 2020-21 | 2021-22 | 2022-23 | 2023-24 | Future Years |
|----------------------------|--------------------|-----------|---------|---------|---------|---------|--------------|
| Planning & Engineering     | \$ -               | \$ 60,000 | \$ -    | \$ -    | \$ -    | \$ -    | \$ -         |
| Other                      | -                  | -         | -       | -       | -       | -       | -            |
| <b>Total Project Costs</b> | \$ -               | \$ -      | \$ -    | \$ -    | \$ -    | \$ -    | \$ -         |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20   | 2020-21 | 2021-22 | 2022-23 | 2023-24 | Future Years |
|------------------------------|--------------------|-----------|---------|---------|---------|---------|--------------|
| General Fund                 | \$ -               | \$ 60,000 | \$ -    | \$ -    | \$ -    | \$ -    | \$ -         |
|                              | -                  | -         | -       | -       | -       | -       | -            |
| <b>Total Funding Sources</b> | \$ -               | \$ -      | \$ -    | \$ -    | \$ -    | \$ -    | \$ -         |

**TOTAL PROJECT COST:** \$ 60,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**PROJECT MANAGER**

Ruben Wall/Josh Glover

**DEPARTMENTAL PRIORITY**

Medium

| PROJECT TITLE                      |
|------------------------------------|
| <i>Athletic Court Construction</i> |

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 -Health/Safety/Welfare        |
| <b>X</b>        | 2 - Maintenance/Replacement     |
|                 | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Athletic Court Reconstruction

**JUSTIFICATION**  
Re-surfacing courts should be on a 5-year cycle. Reconstruction should be on a 10-year cycle. The courts in the first phase of this project will be 15 years old.

Athletic Courts Construction:  
Dubois Basketball Courts(19-20) -\$85,000  
Flaherty Tennis Courts 1-4 (20-21) - \$185,000  
Flaherty Tennis Courts 5-8 (21-22) - \$185,000  
Holding Park basketball - \$40,000



**PROJECT ALTERNATIVES**

Should soils under courts for each phase found to be unstable, add \$30,000 for cement stabilization.

**OPERATING IMPACT/OTHER COMMENTS**

N/A.

**PROJECT STATUS**

*Funds Approved to Date*

|                       |
|-----------------------|
| New Project - FY 2020 |
| \$ -                  |

*Funds Expended to Date*

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20   | 2020-21    | 2021-22    | 2022-23 | 2023-24 | Future Years |
|----------------------------|--------------------|-----------|------------|------------|---------|---------|--------------|
| Construction               | -                  | 85,000    | 185,000    | 185,000    | -       | -       | 40,000       |
| Other                      | -                  | -         | -          |            | -       | -       | -            |
| <b>Total Project Costs</b> | \$ -               | \$ 85,000 | \$ 185,000 | \$ 185,000 | \$ -    | \$ -    | \$ 40,000    |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20   | 2020-21    | 2021-22    | 2022-23 | 2023-24 | Future Years |
|------------------------------|--------------------|-----------|------------|------------|---------|---------|--------------|
| General Fund                 | \$ -               | \$ 85,000 | \$ 185,000 | \$ 185,000 | \$ -    | \$ -    | \$ 40,000    |
| <b>Total Funding Sources</b> | \$ -               | \$ 85,000 | \$ 185,000 | \$ 185,000 | \$ -    | \$ -    | \$ 40,000    |

**TOTAL PROJECT COST:**

**\$ 495,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**

Parks, Recreation & Cultural Resources

**PROJECT MANAGER**

Ruben Wall/Edward Austin

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Athletic Fields Fence Replacement*

**TYPE OF PROJECT**

- 1 - Health/Safety/Welfare
- 2 - Maintenance/Replacement
- 3 - Existing Programs Expansion
- 4 - New Program

**PROJECT DESCRIPTION**

Replacement plan/program of fencing at athletic fields.

**JUSTIFICATION**

The current fencing is showing signs of wear, and repairs can be more time-consuming and costly than replacement. The goal of the department is to upgrade and replace fencing systematically before it becomes a safety hazard that may cause fields to be deemed unsafe/unplayable.

A) Heritage High baseball/softball fields - backstops only- change to net/wall systems.



**PROJECT ALTERNATIVES**

Continue to use the existing fencing and make repairs as necessary.

**OPERATING IMPACT/OTHER COMMENTS**

\*Decrease in on-going maintenance.  
\*Replacing the fencing provides a safer facility which decreases the likelihood of injuries to participants.

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2017

\$ -

*Funds Expended to Date*

\$ -

| CAPITAL COST BREAKDOWN | Prior to July 2019 | 2019-20    | 2020-21    | 2021-22 | 2022-23 | 2023-24 | Future Years |
|------------------------|--------------------|------------|------------|---------|---------|---------|--------------|
| Purchase               | \$ -               | \$ 150,000 | \$ 150,000 | \$ -    | \$ -    | \$ -    | \$ -         |
| Other                  | -                  | -          | -          | -       | -       | -       | -            |
| Total Project Costs    | \$ -               | \$ 150,000 | \$ 150,000 | \$ -    | \$ -    | \$ -    | \$ -         |

| FUNDING SOURCE(S)     | Prior to July 2019 | 2019-20    | 2020-21    | 2021-22 | 2022-23 | 2023-24 | Future Years |
|-----------------------|--------------------|------------|------------|---------|---------|---------|--------------|
| General Fund          | \$ -               | \$ 150,000 | \$ 150,000 | \$ -    | \$ -    | \$ -    | \$ -         |
| Total Funding Sources | \$ -               | \$ 150,000 | \$ 150,000 | \$ -    | \$ -    | \$ -    | \$ -         |

**TOTAL PROJECT COST:** \$ 300,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**  
Public Facilities

**PROJECT MANAGER**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
Main Police Department 225 S. Taylor Street- Maintenance

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 -Health/Safety/Welfare        |
| X               | 2 - Maintenance/Replacement     |
|                 | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
1. Replace metal roof only at Police Department at 225 S. Taylor Street FY2019-2020.  
2. Replace HVAC, Exhaust Fans, and TPO Roof FY2031-2032.

**JUSTIFICATION**  
The metal roof has been leaking. Staff has searched for the leaks, in addition to two independent vendors and the leaks can't be found. Staff has made attempts to seal the joints and other areas, however, the leaks have continued. THE TPO Roof, exhaust fans, and HVAC equipment will be at the end of their life expectancy FY2031-2032.



**PROJECT ALTERNATIVES**  
Replacing the metal is the only option left to remediate the leaks.

**OPERATING IMPACT/OTHER COMMENTS**  
Replacing the metal roof will reduce the possibility of damaging more tiles and possibly desk equipment such as computers. The replacement of equipment at the end of life expectancy reduces down time from waiting for failure.

**PROJECT STATUS**  
Funds Approved to Date

|                        |
|------------------------|
| Continuation - FY 2019 |
| \$ -                   |

Funds Expended to Date

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20   | 2020-21 | 2021-22 | 2022-23 | 2023-24 | Future Years |
|----------------------------|--------------------|-----------|---------|---------|---------|---------|--------------|
| Planning & Engineering     | \$ -               | \$ -      | \$ -    | \$ -    | \$ -    | \$ -    | \$ -         |
| Purchase                   | -                  | -         | -       | -       | -       | -       | 55,000       |
| Construction               | -                  | 50,000    | -       | -       | -       | -       | 100,000      |
| <b>Total Project Costs</b> | \$ -               | \$ 50,000 | \$ -    | \$ -    | \$ -    | \$ -    | \$ 155,000   |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20   | 2020-21 | 2021-22 | 2022-23 | 2023-24 | Future Years |
|------------------------------|--------------------|-----------|---------|---------|---------|---------|--------------|
| General Fund                 | \$ -               | \$ 50,000 | \$ -    | \$ -    | \$ -    | \$ -    | \$ 155,000   |
|                              | -                  | -         | -       | -       | -       | -       | -            |
| <b>Total Funding Sources</b> | \$ -               | \$ 50,000 | \$ -    | \$ -    | \$ -    | \$ -    | \$ 155,000   |

**TOTAL PROJECT COST:** \$ 205,000



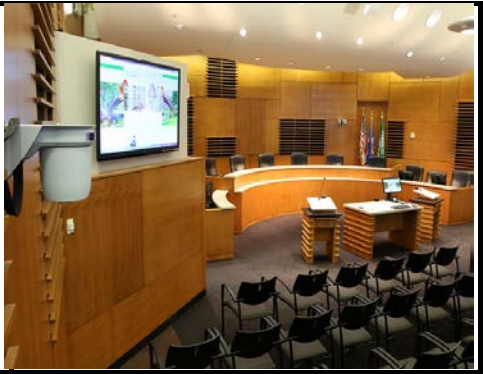
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|  |   |  |
|--|---|--|
| <b>DEPARTMENT</b><br>Administrative Services | <b>PROJECT MANAGER</b><br>Mickey Rochelle | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|--|---|--|

|   |   |  |                          |   |                             |  |                                 |  |                 |
|---|---|--|--------------------------|---|-----------------------------|--|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Board Chambers - AV/Camera System | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td></td><td>1 -Health/Safety/Welfare</td></tr> <tr><td>X</td><td>2 - Maintenance/Replacement</td></tr> <tr><td></td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> |  | 1 -Health/Safety/Welfare | X | 2 - Maintenance/Replacement |  | 3 - Existing Programs Expansion |  | 4 - New Program |
|   | 1 -Health/Safety/Welfare  |  |                          |   |                             |  |                                 |  |                 |
| X   | 2 - Maintenance/Replacement   |  |                          |   |                             |  |                                 |  |                 |
|   | 3 - Existing Programs Expansion   |  |                          |   |                             |  |                                 |  |                 |
|   | 4 - New Program   |  |                          |   |                             |  |                                 |  |                 |

**PROJECT DESCRIPTION**  
Update existing audio visual, camera and sound system in the Board chambers for televising meetings.

**JUSTIFICATION**  
Existing system is nine (9) years old. Some of the components were actually brought over from the old town hall and incorporated. Three cameras have gone down and have been replaced in current fiscal year. Phase I of the upgrade was pushed out to FY 2018-2019 and is scheduled to be completed sometime in February or March.



**PROJECT ALTERNATIVES**  
None - due to the age of the current system and recent issues, we run the risk of being unable to televise Board meetings.

**OPERATING IMPACT/OTHER COMMENTS**  
Extended service maintenance.  
FY 2020: Microphones/Server/amplifier  
FY 2021: HD Video Server/Digital Video Recorder  
Future Years - replacement/upgrades as needed

**PROJECT STATUS**

|                               |                                      |
|-------------------------------|--------------------------------------|
| <i>Funds Approved to Date</i> | Continuation - FY 2019<br>\$ 113,200 |
|-------------------------------|--------------------------------------|

*Funds Expended to Date*

|           |
|-----------|
| \$ 23,374 |
|-----------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21          | 2021-22          | 2022-23     | 2023-24     | Future Years     |
|----------------------------|--------------------|-------------|------------------|------------------|-------------|-------------|------------------|
| Equipment                  | \$ 113,200         | \$ -        | \$ 31,500        | \$ 52,000        | \$ -        | \$ -        | \$ 50,000        |
| Other (Installation)       | -                  | -           | 15,500           | 13,500           | -           | -           | 15,000           |
| <b>Total Project Costs</b> | <b>\$ 113,200</b>  | <b>\$ -</b> | <b>\$ 47,000</b> | <b>\$ 65,500</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 65,000</b> |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21          | 2021-22          | 2022-23     | 2023-24     | Future Years     |
|------------------------------|--------------------|-------------|------------------|------------------|-------------|-------------|------------------|
| General Fund                 | \$ 113,200         | \$ -        | \$ 47,000        | \$ 65,500        | \$ -        | \$ -        | \$ 65,000        |
| <b>Total Funding Sources</b> | <b>\$ 113,200</b>  | <b>\$ -</b> | <b>\$ 47,000</b> | <b>\$ 65,500</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 65,000</b> |

**TOTAL PROJECT COST: \$ 290,700**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019 - 2024**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**PROJECT MANAGER**

Ruben Wall/Josh Glover

**DEPARTMENTAL PRIORITY**

Medium

| PROJECT TITLE                         |
|---------------------------------------|
| <i>Playground Surface Replacement</i> |

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 -Health/Safety/Welfare        |
| <b>X</b>        | 2 - Maintenance/Replacement     |
|                 | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Replace engineered wood fiber playground surface with pour-in-place surface for accessibility and ease of maintenance.

**JUSTIFICATION**  
This is another step to making our parks ADA accessible this will also decrease maintenance needs and cost. Also adding a couple of ADA accessible features, as the existing ones are not.



**PROJECT ALTERNATIVES**

Leave playground surfacing as is and continue to provide regular maintenance and purchase wood fibers.

**OPERATING IMPACT/OTHER COMMENTS**

Smith Creek Soccer Center/Taylor Street park (2021-22)  
Flaherty Park/Tyler Run Park (2022-23)  
Kiwanis Park (2023-24)

Estimated \$240,000 for surfacing  
Estimated \$50,000 for accessible features

**PROJECT STATUS**

*Funds Approved to Date*

|                       |
|-----------------------|
| New Project - FY 2020 |
| \$ -                  |

*Funds Expended to Date*

|      |
|------|
| \$ - |
|------|

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23           | 2023-24          | Future Years |
|----------------------------|--------------------|-------------|-------------|-------------------|-------------------|------------------|--------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -              | \$ -              | \$ -             | \$ -         |
| Construction               | -                  | -           | -           | 125,000           | 100,000           | 75,000           | -            |
| Other                      | -                  | -           | -           | -                 | -                 | -                | -            |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 125,000</b> | <b>\$ 100,000</b> | <b>\$ 75,000</b> | <b>\$ -</b>  |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23           | 2023-24          | Future Years |
|------------------------------|--------------------|-------------|-------------|-------------------|-------------------|------------------|--------------|
| General Fund                 | \$ -               | \$ -        | \$ -        | \$ 125,000        | \$ 100,000        | \$ 75,000        | \$ -         |
| Installment Purchase         | -                  | -           | -           | -                 | -                 | -                | -            |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 125,000</b> | <b>\$ 100,000</b> | <b>\$ 75,000</b> | <b>\$ -</b>  |

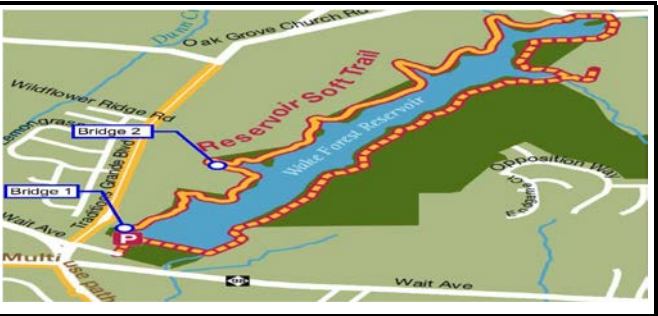
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |  |                                      |
|---|--|--------------------------------------|
| <b>DEPARTMENT</b><br>Public Works/Engineering | <b>PROJECT MANAGER</b><br>Magda Holloway | <b>DEPARTMENTAL PRIORITY</b><br>High |
|---|--|--------------------------------------|

|  |  |  |                          |   |                             |  |                                 |  |                 |
|--|--|--|--------------------------|---|-----------------------------|--|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Wake Forest Reservoir Improvements | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td></td><td>1 -Health/Safety/Welfare</td></tr> <tr><td align="center">X</td><td>2 - Maintenance/Replacement</td></tr> <tr><td></td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> |  | 1 -Health/Safety/Welfare | X | 2 - Maintenance/Replacement |  | 3 - Existing Programs Expansion |  | 4 - New Program |
|  | 1 -Health/Safety/Welfare   |  |                          |   |                             |  |                                 |  |                 |
| X  | 2 - Maintenance/Replacement  |  |                          |   |                             |  |                                 |  |                 |
|  | 3 - Existing Programs Expansion  |  |                          |   |                             |  |                                 |  |                 |
|  | 4 - New Program  |  |                          |   |                             |  |                                 |  |                 |

**PROJECT DESCRIPTION**  
Rehab of Wake Forest Reservoir property with paved parking, new boat ramp, dock, new bridge, continuation of soft trail on east side, two additional bridges, facilities, and consession amenities.

**JUSTIFICATION**  
The site is highly used for recreation of small electric and non-motor boats, fishing, hiking and mountain biking. This area is currently a gravel drive with plans in place for a paved area, trail connections, bridge and dock. This site will continue to grow as the area develops and will become a very popular recreation location for citizens and visitors.



**PROJECT ALTERNATIVES**

|  |              |          |
|--|--------------|----------|
| Site Upgrades *                          | \$ 1,600,000 | FY 21-23 |
| Bridge Replacement only, Phase 1         |              |          |
| Parking, boat ramp, dock, Phase 1        | \$ 165,000   | FY 23-24 |
| Annual Maintenance Dam                   | \$ 350,000   | FY 23-24 |
| New Bridges 2 & 3- Phase 2               | \$ 937,500   | Future   |
| Restroom/consession field area - Phase 3 | \$ 312,500   | Future   |

**OPERATING IMPACT/OTHER COMMENTS**

\*Estimated time of upgrades FY 2021-23 for site upgrade design & construction, Phase 2/3 in future years.

|                        |                        |
|------------------------|------------------------|
| <b>PROJECT STATUS</b>  | Continuation - FY 2015 |
| Funds Approved to Date | \$ 292,000             |
| Funds Expended to Date | \$ 294,387             |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23             | 2023-24           | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------------|---------------------|-------------------|---------------------|
| Planning & Engineering     | \$ 292,000         | \$ -        | \$ -        | \$ 380,000        | \$ -                | \$ -              | \$ 250,000          |
| Purchase                   | -                  | -           | -           | -                 | -                   | -                 | -                   |
| Construction*              | -                  | -           | -           | -                 | 1,900,000           | 515,000           | 1,100,000           |
| Contingency                | -                  | -           | -           | -                 | -                   | -                 | -                   |
| Other- Public Art          | -                  | -           | -           | 3,800             | 19,000              | 5,200             | 13,500              |
| <b>Total Project Costs</b> | <b>\$ 292,000</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 383,800</b> | <b>\$ 1,919,000</b> | <b>\$ 520,200</b> | <b>\$ 1,363,500</b> |

| FUNDING SOURCE(S)                           | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22           | 2022-23             | 2023-24           | Future Years        |
|---|--------------------|-------------|-------------|-------------------|---------------------|-------------------|---------------------|
| General Fund                                | \$ -               | \$ -        | \$ -        | \$ 3,800          | \$ 19,000           | \$ 5,200          | \$ 13,500           |
| GO Bond - Current Referendum - Issued       | 292,000            | -           | -           | -                 | -                   | -                 | -                   |
| GO Bond - Future Referendum FY 2020         | -                  | -           | -           | 380,000           | 190,000             | 515,000           | 850,000             |
| Grants - PARTF - Future Application         | -                  | -           | -           | -                 | -                   | -                 | 500,000             |
| Other - City of Raleigh - Cost Share 50/50  | -                  | -           | -           | -                 | 475,000             | -                 | -                   |
| WINN Act Grant (future application)-65/35 * | -                  | -           | -           | -                 | 1,235,000           | -                 | -                   |
| <b>Total Funding Sources</b>                | <b>\$ 292,000</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 383,800</b> | <b>\$ 1,919,000</b> | <b>\$ 520,200</b> | <b>\$ 1,363,500</b> |

**TOTAL PROJECT COST: \$ 4,478,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |                                       |                                      |
|---|---------------------------------------|--------------------------------------|
| <b>DEPARTMENT</b><br>Public Works/Engineering | <b>PROJECT MANAGER</b><br>Scott Miles | <b>DEPARTMENTAL PRIORITY</b><br>High |
|---|---------------------------------------|--------------------------------------|

|   |   |   |                          |  |                             |  |                                 |  |                 |
|---|---|---|--------------------------|--|-----------------------------|--|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>North Main Stormwater Repair and Roadway Rehabilitation | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>X</td><td>1 -Health/Safety/Welfare</td></tr> <tr><td></td><td>2 - Maintenance/Replacement</td></tr> <tr><td></td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> | X | 1 -Health/Safety/Welfare |  | 2 - Maintenance/Replacement |  | 3 - Existing Programs Expansion |  | 4 - New Program |
| X   | 1 -Health/Safety/Welfare  |   |                          |  |                             |  |                                 |  |                 |
|   | 2 - Maintenance/Replacement   |   |                          |  |                             |  |                                 |  |                 |
|   | 3 - Existing Programs Expansion   |   |                          |  |                             |  |                                 |  |                 |
|   | 4 - New Program   |   |                          |  |                             |  |                                 |  |                 |

**PROJECT DESCRIPTION**  
Relocate and replace failing stormwater pipe and box between North Main St., N. College St. and N. Wingate St. Upgrade existing boxes on North Main Street (US1A) to current standards with hood and grade, re granite curb as needed, and resurface street to minimize flooding.

**JUSTIFICATION**  
Pipe failure located at 527 North Main has caused sinkhole near corner of home. North Main Street (US 1A) in both the northbound and southbound lanes are in need of repair from Oak Ave to Roosevelt Ave. After multiple NCDOT resurfacings, the additional asphalt has created a safety hazard to motorists, pedestrians and bicyclists by having only 1-2" of reveal on the existing granite curb in lieu of 4-6". In addition, the outdated stormwater boxes have lost thier capacity to accept larger flow volumes per design (1-2" instead of 4-6") causing flooding and ponding water.



| PROJECT ALTERNATIVES   |                          |
|--|--------------------------|
| Phase 1- Relocate and replace pipe outside of roadway ROW        | \$ 139,000 FY 17 thru 19 |
| Phase 2- replace stormwater boxes and granite inside roadway ROW | \$ 350,000 FY 19 thru 21 |
| NCDOT Resurface  | \$ 500,000 FY 20 thru 21 |

**OPERATING IMPACT/OTHER COMMENTS**

\*Home foundation failure possible if not addressed.  
\*Continued flooding of North Main Street possible with damage to historic homes and property.

|                        |                        |                                 |
|------------------------|------------------------|---------------------------------|
| <b>PROJECT STATUS</b>  | Continuation - FY 2017 |                                 |
| Funds Approved to Date | \$ 125,000             | Funds Expended to Date \$ 7,000 |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23    | 2023-24    | Future Years |
|----------------------------|--------------------|---------|---------|---------|------------|------------|--------------|
| Planning & Engineering     | \$ -               | \$ -    | \$ -    | \$ -    | \$ 100,000 | \$ -       | \$ -         |
| Construction               | -                  | -       | -       | -       | -          | 750,000    | -            |
| Contingency                | -                  | -       | -       | -       | -          | -          | -            |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ -    | \$ -    | \$ 100,000 | \$ 750,000 | \$ -         |

| FUNDING SOURCE(S)                   | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23    | 2023-24    | Future Years |
|-------------------------------------|--------------------|---------|---------|---------|------------|------------|--------------|
| General Fund                        | \$ -               | \$ -    | \$ -    | \$ -    | \$ 100,000 | \$ 250,000 | \$ -         |
| Grants - Future Application - NCDOT | -                  | -       | -       | -       | -          | 500,000    | -            |
|                                     | -                  | -       | -       | -       | -          | -          | -            |
| <b>Total Funding Sources</b>        | \$ -               | \$ -    | \$ -    | \$ -    | \$ 100,000 | \$ 750,000 | \$ -         |

**TOTAL PROJECT COST:** \$ 850,000

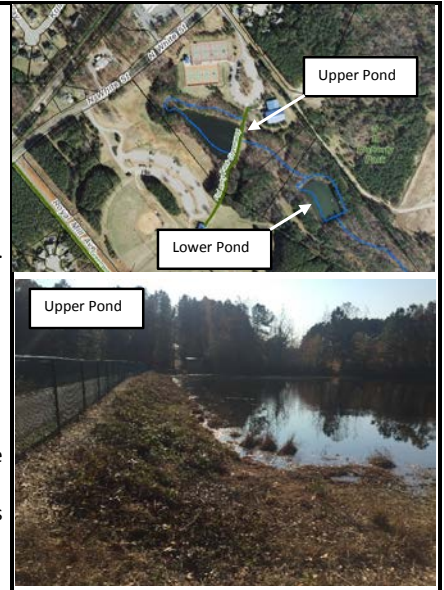
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Public Works/Engineering | <b>PROJECT MANAGER</b><br>Magda Holloway | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|   |   |   |                          |  |                             |  |                                 |  |                 |
|---|---|---|--------------------------|--|-----------------------------|--|---------------------------------|--|-----------------|
| <b>PROJECT TITLE</b><br><br>Flaherty Park Dam Repair<br>(Upper & Lower Ponds) | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>X</td><td>1 -Health/Safety/Welfare</td></tr> <tr><td></td><td>2 - Maintenance/Replacement</td></tr> <tr><td></td><td>3 - Existing Programs Expansion</td></tr> <tr><td></td><td>4 - New Program</td></tr> </table> | X | 1 -Health/Safety/Welfare |  | 2 - Maintenance/Replacement |  | 3 - Existing Programs Expansion |  | 4 - New Program |
| X   | 1 -Health/Safety/Welfare  |   |                          |  |                             |  |                                 |  |                 |
|   | 2 - Maintenance/Replacement   |   |                          |  |                             |  |                                 |  |                 |
|   | 3 - Existing Programs Expansion   |   |                          |  |                             |  |                                 |  |                 |
|   | 4 - New Program   |   |                          |  |                             |  |                                 |  |                 |

**PROJECT DESCRIPTION**  
Rehabilitate upper dam with proper emergency spillway, reslope fill to 3:1, repave greenway trail with spillway crossing. Future Flaherty Park Masterplan for additional park amenities, Dunn Creek Greenway trail connection and lower pond dam repairs.

**JUSTIFICATION**  
As identified in the Structural and Dam Inventory in 2014 performed by Kimley-Horn and a Full Inspection and Evaluation by Freese and Nichols in 2017, Flaherty Park Dam- Upper Pond and Lower Pond dams are in need of minor repair due to tree growth and erosion on the downstream side of the existing spillway slopes. The Upper Pond Dam evaluation identified wet areas with aquatic plants just south-east of the fill slope indicating a minor seepage or leak. If left unchecked, the Upper Pond Dam slope could become unstable creating a dam failure, potential loss of the pond/recreational fishing area, failure of the greenway connection, and increased risk for citizen safety. The Upper Pond Dam reconstruction and repair would take approximately 6-8 months to complete. The project would remove trees from the dam, install a sand filter drain to alleviate soil pressure, flatten the downstream dam slope to a 4H:1V making it much safer, widen the greenway trail connection to ten feet wide and eliminate the need for a fence. The existing 18" concrete pipe located in the Upper Pond's southern corner would also be replaced with a 2' x 3' box culvert which would decrease the risk of debris blockage and overtopping. The construction is expected to take 6-8 months to complete.



| PROJECT ALTERNATIVES               |            |        |
|------------------------------------|------------|--------|
| Upper dam construction w/10% cont. | \$ 413,500 | Future |
| Lower pond repair                  | \$ 300,000 | Future |
| Additional park amenities          | \$ 100,000 | Future |

**OPERATING IMPACT/OTHER COMMENTS**  
A) Potential liability issue if not addressed.  
B) If we do not proceed, greenway could be closed and the pond could potentially fail.

|                               |                        |                               |            |
|-------------------------------|------------------------|-------------------------------|------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2016 |                               |            |
| <i>Funds Approved to Date</i> | \$ 131,300             | <i>Funds Expended to Date</i> | \$ 118,267 |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years      |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| Planning & Engineering     | \$ 131,300         | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 60,000         |
| Purchase                   | -                  | -           | -           | -           | -           | -           | -                 |
| Construction               | -                  | -           | -           | -           | -           | -           | 653,500           |
| Equipment                  | -                  | -           | -           | -           | -           | -           | 100,000           |
| Contingency - 10%          | -                  | -           | -           | -           | -           | -           | 65,400            |
| <b>Total Project Costs</b> | <b>\$ 131,300</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 878,900</b> |

| FUNDING SOURCE(S)                   | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years      |
|-------------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| General Fund                        | \$ 131,300         | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -              |
| GO Bond - Future Referendum FY 2024 | -                  | -           | -           | -           | -           | -           | 778,900           |
| Grants - Future Application - PARTF | -                  | -           | -           | -           | -           | -           | 100,000           |
| <b>Total Funding Sources</b>        | <b>\$ 131,300</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 878,900</b> |

**TOTAL PROJECT COST:** \$ 1,010,200

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |  |                                      |
|---|--|--------------------------------------|
| <b>DEPARTMENT</b><br>Public Works/Engineering | <b>PROJECT MANAGER</b><br>Magda Holloway | <b>DEPARTMENTAL PRIORITY</b><br>High |
|---|--|--------------------------------------|

|  |   |                           |   |                                 |                 |
|--|---|---------------------------|---|---------------------------------|-----------------|
| <b>PROJECT TITLE</b><br><br>Richland Creek Greenway Stream Repair and Repave | <b>TYPE OF PROJECT</b><br><table border="1"> <tr><td>1 - Health/Safety/Welfare</td></tr> <tr><td><input checked="" type="checkbox"/> 2 - Maintenance/Replacement</td></tr> <tr><td>3 - Existing Programs Expansion</td></tr> <tr><td>4 - New Program</td></tr> </table> | 1 - Health/Safety/Welfare | <input checked="" type="checkbox"/> 2 - Maintenance/Replacement | 3 - Existing Programs Expansion | 4 - New Program |
| 1 - Health/Safety/Welfare  |   |                           |   |                                 |                 |
| <input checked="" type="checkbox"/> 2 - Maintenance/Replacement              |   |                           |   |                                 |                 |
| 3 - Existing Programs Expansion  |   |                           |   |                                 |                 |
| 4 - New Program  |   |                           |   |                                 |                 |

**PROJECT DESCRIPTION**  
Identify and repair existing Richland Creek Greenway due to stream bank erosion, tree fall and age.

**JUSTIFICATION**  
Flooding, erosion and wet soil conditions have lead to the degradation of the greenway trail. Stabilize stream banks with restoration, remove tree root trip hazards, cracking pavement and overlay with 2" new asphalt surface.



| PROJECT ALTERNATIVES                 |            |               |
|--------------------------------------|------------|---------------|
| Stream Bank Stabilization and Repair | \$ 130,000 | FY 17 thru 19 |
| Repave                               | \$ 75,000  | Future        |
| Watershed study                      | \$ 150,000 | Future        |

**OPERATING IMPACT/OTHER COMMENTS**  
N/A

|                        |                        |                                  |
|------------------------|------------------------|----------------------------------|
| <b>PROJECT STATUS</b>  | Continuation - FY 2017 |                                  |
| Funds Approved to Date | \$ 161,900             | Funds Expended to Date \$ 27,000 |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years      |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| Planning & Engineering     | \$ 30,000          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 150,000        |
| Purchase                   | -                  | -           | -           | -           | -           | -           | -                 |
| Construction               | 86,900             | -           | -           | -           | -           | -           | 75,000            |
| Equipment                  | -                  | -           | -           | -           | -           | -           | -                 |
| Contingency                | -                  | -           | -           | -           | -           | -           | -                 |
| Other                      | -                  | -           | -           | -           | -           | -           | -                 |
| <b>Total Project Costs</b> | <b>\$ 116,900</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 225,000</b> |

| FUNDING SOURCE(S)                   | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years      |
|-------------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| General Fund                        | \$ 100,000         | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 75,000         |
| GO Bonds -Future Referendum FY 2020 | -                  | -           | -           | -           | -           | -           | -                 |
| Grants - Awarded (FEMA)             | 16,900             | -           | -           | -           | -           | -           | -                 |
| Grants - Future Application         | -                  | -           | -           | -           | -           | -           | 150,000           |
| <b>Total Funding Sources</b>        | <b>\$ 116,900</b>  | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 225,000</b> |

**TOTAL PROJECT COST: \$ 341,900**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |  |  |
|---|--|--|
| <b>DEPARTMENT</b><br>Public Works/Engineering | <b>PROJECT MANAGER</b><br>Magda Holloway | <b>DEPARTMENTAL PRIORITY</b><br>Medium |
|---|--|--|

|  |                                 |
|--|---------------------------------|
| <b>PROJECT TITLE</b><br><br>Sanford Creek Greenway Boardwalk Replacement | <b>TYPE OF PROJECT</b>          |
|  | X 1 -Health/Safety/Welfare      |
|  | 2 - Maintenance/Replacement     |
|  | 3 - Existing Programs Expansion |
|  | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Maintenance of existing boardwalk per the structural inventory assessment recommendations conducted in 2014. Recommend full replacement with a permatrak type system and full redesign based on flooding and structural condition of existing system.

**JUSTIFICATION**  
Continued maintenance of existing boardwalks due to location. These items were identified as priority 1,2 and 3 based on need and severity and safety of parks and greenway users. Recommend full replacement as opposed to minor repairs over the next five to ten years due to intricate reconstruction annually and time greenway trail is closed. Future boardwalk should be replaced with a Permatrak concrete deck as opposed to wood due to location within 5 years.



**PROJECT ALTERNATIVES**

|  |
|--|
| 1) Wait on projects until funds are available                    |
| 2) Conduct minor repairs until 2025 = cost of a full replacement |
| Full replacement with Permatrak \$ 4,000,000                     |
| Full replacement with timber 1,800,000                           |
| 3) Close greenway  |

**OPERATING IMPACT/OTHER COMMENTS**

|   |
|---|
| Conduct minor repairs until 2025 = portion of cost of a full replacement.       |
| *Wood life expectancy is 10-25 years  |
| Strategic Plan Goal 2, objective A- update and implement plans already in place |

|                        |                        |
|------------------------|------------------------|
| <b>PROJECT STATUS</b>  | Continuation - FY 2017 |
| Funds Approved to Date | \$ -                   |
| Funds Expended to Date | \$ -                   |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 375,000          |
| Purchase                   | -                  | -           | -           | -           | -           | -           | -                   |
| Construction               | -                  | -           | -           | -           | -           | -           | 1,500,000           |
| Equipment                  | -                  | -           | -           | -           | -           | -           | -                   |
| Contingency                | -                  | -           | -           | -           | -           | -           | -                   |
| Other- Public Art          | -                  | -           | -           | -           | -           | -           | 18,800              |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,893,800</b> |

| FUNDING SOURCE(S)               | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|---------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| General Fund                    | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 393,800          |
| GO Bonds-Future Referendum 2020 | -                  | -           | -           | -           | -           | -           | 1,400,000           |
| PARTF (future application)      | -                  | -           | -           | -           | -           | -           | 100,000             |
| <b>Total Funding Sources</b>    | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,893,800</b> |

**TOTAL PROJECT COST: \$ 1,893,800**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENTS**

Parks, Recreation and Cultural Resources

**PROJECT MANAGER**

Ruben Wall

**DEPARTMENTAL PRIORITY**

Medium

| PROJECT TITLE                          |
|--|
| Smith Creek Soccer Center Improvements |

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 -Health/Safety/Welfare        |
|                 | 2 - Maintenance/Replacement     |
| X               | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Improvement of Smith Creek Soccer Center with addition of restroom facilities, repave/revise layout of parking lot, add greenway loop around fields on east side, add large trees, plantings and landscape beds around perimeter, and upgrade playground facilities to meet ADA, use and volume. Incorporate environmental education stations and hands on activities showcasing the stream restoration, floodplain, greenways, and habitat.

**JUSTIFICATION**  
Smith Creek Soccer Center is heavily used for NCFC (CASL) soccer, greenways and general recreation. The current site has two port-a-johns, three fields, and a leg of Smith Creek Greenway. Revisions to the floodplain map will allow restrooms near the shelter. Addition of a full loop for users, ADA playground, resurface/revise parking lot, add large trees for shade, shade sails, public art, and picnic tables and/or shelters.



**PROJECT ALTERNATIVES**

|   |           |
|---|-----------|
| Park Master Plan (PRCR)                   | \$ 20,000 |
| PARTF Grant- Future Application           | 500,000   |
| Phase 1- Restroom Design and Construction | 220,000   |
| CASL Contribution (1/2)                   | 150,000   |
| Phase 2- Park Rehab, Trail Loop Design    | 130,000   |
| PARTF Grant- Future Application           | 500,000   |
| Park Rehab, Trail Loop Const.             | 727,500   |
| NCFC Contribution                         | 50,000    |

**OPERATING IMPACT/OTHER COMMENTS**

A) Specific Master Plan for Soccer Center  
B) Split design and construction over multiple years or combine to save money  
C) Major impact to parking lot during phase 2 parking lot rehab depending on how extensive the renovations are. A simple resurface should not affect league play more than 1 week.

**PROJECT STATUS**

Funds Approved to Date

Continuation - FY 2017

\$ -

Funds Expended to Date

\$ -

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | Future Years |
|----------------------------|--------------------|---------|---------|---------|---------|---------|--------------|
| Planning & Engineering     | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 190,000   |
| Construction               | -                  | -       | -       | -       | -       | -       | 1,050,000    |
| Other - Public Art         | -                  | -       | -       | -       | -       | -       | 12,400       |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 1,252,400 |

| FUNDING SOURCE(S)                   | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | Future Years |
|-------------------------------------|--------------------|---------|---------|---------|---------|---------|--------------|
| General Fund                        | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 552,400   |
| NCFC - Future Contribution          | -                  | -       | -       | -       | -       | -       | 200,000      |
| Grants - PARTF - Future Application | -                  | -       | -       | -       | -       | -       | 500,000      |
| <b>Total Funding Sources</b>        | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 1,252,400 |

**TOTAL PROJECT COST: \$ 1,252,400**



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**  
Public Facilities

**PROJECT MANAGER**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
 *Holding Community Center- Maintenance*

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 -Health/Safety/Welfare        |
| <b>X</b>        | 2 - Maintenance/Replacement     |
|                 | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PURPOSE**  
Replace AHU (Hybrid), Gas Water Heaters, Storage Tank, Condenser Unit, Hydroponic Heaters, and Solar Panels FY2026-2027.

**JUSTIFICATION**  
These units were installed in FY2010 and will be at the end of their life expectancy FY 2026. This equipment work together to provide heat for the building as well as hot water and air condition. The building is rented regularly and we need to avoid equipment failure and possible cancelled rentals.



**PROJECT ALTERNATIVES**  
Make repairs as needed and monitor closely.

**OPERATING IMPACT/OTHER COMMENTS**  
IF failure occurs downtime will be lengthy due to the need for quotes, leadtime for equipment, and install. Planning will eliminate cancelled rentals and possible classes.

**PROJECT STATUS**  
*Funds Approved to Date*

|                       |
|-----------------------|
| New Project - FY 2020 |
| \$ -                  |

*Funds Expended to Date*      \$ -

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years      |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| Purchase                   | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 100,000        |
| Other                      | -                  | -           | -           | -           | -           | -           | -                 |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 100,000</b> |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years      |
|------------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| General Fund                 | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 100,000        |
|                              | -                  | -           | -           | -           | -           | -           | -                 |
| <b>Total Funding Sources</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 100,000</b> |

**TOTAL PROJECT COST:**      **\$ 100,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

**DEPARTMENT**  
Public Facilities

**PROJECT MANAGER**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
*Alston Massenburg- Maintenance*

| TYPE OF PROJECT |                                 |
|-----------------|---------------------------------|
|                 | 1 -Health/Safety/Welfare        |
| <b>X</b>        | 2 - Maintenance/Replacement     |
|                 | 3 - Existing Programs Expansion |
|                 | 4 - New Program                 |

**PURPOSE**  
1. Replace HVAC due to age and life expectancy FY 2027.  
2. Roof Replacement Due to age FY 2032.

**JUSTIFICATION**  
The Alston Massenburg Center was renovated in FY 2012. The building and components are holding up well and the information included is based on expected life of the HVAC and Roof. These items should be replaced at the end of life expectancy to prevent downtime due to unexpected failures.



**PROJECT ALTERNATIVES**  
Keep watch near the end of life expectancy and make repairs as needed.

**OPERATING IMPACT/OTHER COMMENTS**  
Less downtime and possible damage from failure if replaced prior to failure.

**PROJECT STATUS**  
*Funds Approved to Date*

|                       |
|-----------------------|
| New Project - FY 2020 |
| \$ -                  |

*Funds Expended to Date*      \$ -

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | Future Years |
|----------------------------|--------------------|---------|---------|---------|---------|---------|--------------|
| Purchase                   | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 90,000    |
| Other                      | -                  | -       | -       | -       | -       | -       | -            |
| <b>Total Project Costs</b> | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 90,000    |

| FUNDING SOURCE(S)            | Prior to July 2019 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | Future Years |
|------------------------------|--------------------|---------|---------|---------|---------|---------|--------------|
| General Fund                 | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 90,000    |
|                              | -                  | -       | -       | -       | -       | -       | -            |
| <b>Total Funding Sources</b> | \$ -               | \$ -    | \$ -    | \$ -    | \$ -    | \$ -    | \$ 90,000    |

**TOTAL PROJECT COST:**      **\$ 90,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2019-2024**

|   |  |                                     |
|---|--|-------------------------------------|
| <b>DEPARTMENT</b><br>Public Works/Engineering | <b>PROJECT MANAGER</b><br>Magda Holloway | <b>DEPARTMENTAL PRIORITY</b><br>Low |
|---|--|-------------------------------------|

|  |                                 |
|--|---------------------------------|
| <b>PROJECT TITLE</b><br><br><i>Miller Park Stream Rehabilitation and Restoration</i> | <b>TYPE OF PROJECT</b>          |
|  | 1 - Health/Safety/Welfare       |
|  | 2 - Maintenance/Replacement     |
|  | 3 - Existing Programs Expansion |
|  | 4 - New Program                 |

**PROJECT DESCRIPTION**  
Stream restoration and bank stabilization of Miller Park from Wait Ave/Taylor Street to Elm/Franklin Street. Replant banks with riparian trees and shrubs. Rehab park trails, incorporate nature/sensory play into park (music, sounds, touch tables, etc), repave trails to meet current 10 foot standards, and include natural playground that is ADA accessible. Possible garden or planting space.

**JUSTIFICATION**  
Structural inventory identified excessive scour at Bridge B in Miller Park in 2014. Unnamed Tributary to Spring Branch within park continues to have high erosive velocities and is degrading causing stream instability and potential bridge failure. Wake EMC is also concerned over loss of stream bank in excess of 10 feet laterally moving towards new parking lot. In addition, stream is piped north of Wait Ave without any stormwater BMP treatment. Project will add an attractive bioretention area to downtown to treat approximately 100 acres of drainage area. H. L. Miller Park trail system is aging in need of repairs. Project to rehab all trails within park and extend trail connection to Taylor Street. Excellent pocket park for hands on education and sensory play due to location and surrounding environmental features.



**PROJECT ALTERNATIVES**

|   |            |        |
|---|------------|--------|
| Wait on projects until funds are available: |            |        |
| Full restoration of Spring Branch           | \$ 826,000 | Future |
| Repave Trails                               | 93,000     | Future |
| CWMTF Grant (Future Application)            | 45,000     | Future |
| NCDEQ 319 Grant (Future Application)        | 225,000    | Future |
| NCDEQ WRD Grant (Future Application)        | 100,000    | Future |
| Duke Energy Grant (Future Application)      | 100,000    | Future |

**OPERATING IMPACT/OTHER COMMENTS**

Potential loss of middle bridge due to undermining and bank erosion.

|                               |                        |                                    |
|-------------------------------|------------------------|------------------------------------|
| <b>PROJECT STATUS</b>         | Continuation - FY 2016 |                                    |
| <i>Funds Approved to Date</i> | \$ -                   | <i>Funds Expended to Date</i> \$ - |

| CAPITAL COST BREAKDOWN     | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|----------------------------|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Planning & Engineering     | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 59,000           |
| Purchase                   | -                  | -           | -           | -           | -           | -           | 454,000             |
| Construction               | -                  | -           | -           | -           | -           | -           | 717,000             |
| Equipment                  | -                  | -           | -           | -           | -           | -           | 1,500               |
| Contingency                | -                  | -           | -           | -           | -           | -           | -                   |
| Other- Public Art          | -                  | -           | -           | -           | -           | -           | 1,300               |
| <b>Total Project Costs</b> | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,232,800</b> |

| FUNDING SOURCE(S)  | Prior to July 2019 | 2019-20     | 2020-21     | 2021-22     | 2022-23     | 2023-24     | Future Years        |
|--|--------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| General Fund   | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 307,800          |
| Grants - Future Application - CWMTF, NCDEQ WRD, NCDEQ 319, PARTF | -                  | -           | -           | -           | -           | -           | 925,000             |
| <b>Total Funding Sources</b>                                     | <b>\$ -</b>        | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,232,800</b> |

**TOTAL PROJECT COST:      \$ 1,232,800**

Capital Improvement Plan  
**VEHICLE/EQUIPMENT REPLACEMENT SUMMARY BY DEPARTMENT/DIVISION**

| PROJECT DESCRIPTION                      | PRIORITY<br>TYPE | 2019-2020           | 2020-2021           | 2021-2022           | 2022-2023           | 2023-2024           | TOTALS              | Beyond 2024         |
|--|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|  |                  |                     |                     |                     |                     |                     |                     | Memo Only           |
| GENERAL GOVERNMENT                       | M-2              | \$ -                | \$ -                | \$ -                | \$ 70,000           | \$ 73,000           | \$ 143,000          | \$ 124,000          |
| INSPECTIONS                              | M-2              | -                   | 38,500              | 39,500              | 41,000              | 64,000              | 183,000             | 236,000             |
| PARKS, RECREATION AND CULTURAL RESOURCES | M-2              | 135,000             | 76,500              | -                   | 129,500             | -                   | 341,000             | 303,200             |
| PUBLIC SAFETY                            | M-2              | 838,000             | 720,000             | 811,000             | 695,000             | 657,000             | 3,721,000           | 585,000             |
| ENGINEERING                              | M-2              | 30,000              | -                   | -                   | 36,500              | -                   | 66,500              | 39,500              |
| FLEET MAINTENANCE                        | M-2              | 38,000              | 55,000              | -                   | -                   | -                   | 93,000              | 237,000             |
| STREETS DIVISION                         | M-2              | 528,500             | 448,500             | 392,000             | 382,500             | 276,000             | 2,027,500           | 1,901,400           |
| ENVIRONMENTAL SERVICES                   | M-2              | 500,000             | 84,000              | 138,000             | -                   | -                   | 722,000             | 951,800             |
| PUBLIC FACILITIES                        | M-2              | 40,000              | -                   | -                   | -                   | -                   | 40,000              | 126,900             |
| <b>TOTAL GENERAL FUND</b>                |                  | <b>\$ 2,109,500</b> | <b>\$ 1,422,500</b> | <b>\$ 1,380,500</b> | <b>\$ 1,354,500</b> | <b>\$ 1,070,000</b> | <b>\$ 7,337,000</b> | <b>\$ 4,504,800</b> |
| <br>                                     |                  |                     |                     |                     |                     |                     |                     |                     |
| ELECTRIC                                 | M-2              | 761,500             | 276,000             | 40,500              | 246,500             | -                   | 1,324,500           | 713,500             |
| TREE TRIMMING                            | M-2              | -                   | 85,500              | -                   | 225,000             | 70,000              | 380,500             | 454,500             |
| <b>TOTAL PROPRIETARY FUNDS</b>           |                  | <b>\$ 761,500</b>   | <b>\$ 361,500</b>   | <b>\$ 40,500</b>    | <b>\$ 471,500</b>   | <b>\$ 70,000</b>    | <b>\$ 1,705,000</b> | <b>\$ 1,168,000</b> |
| <br>                                     |                  |                     |                     |                     |                     |                     |                     |                     |
| <b>TOTALS REPLACEMENTS</b>               |                  | <b>\$ 2,871,000</b> | <b>\$ 1,784,000</b> | <b>\$ 1,421,000</b> | <b>\$ 1,826,000</b> | <b>\$ 1,140,000</b> | <b>\$ 9,042,000</b> | <b>\$ 5,672,800</b> |

Priority definitions: H High  
M Medium  
L Low

Program type: 1 Health/Safety/Welfare  
2 Maintenance/Replacement  
3 Existing programs expansion  
4 New programs expansion

| Asset #                  | Year of Acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated Cost to Replace | Unit # | Year | Make    | Model              | Mileage or Hours | FY 19-20        | FY 20-21        | FY 21-22        | FY 22-23             | FY 23-24             |
|--------------------------|---------------------|-----------------------------|---------------------|---------------------|---------------------------|--------|------|---------|--------------------|------------------|-----------------|-----------------|-----------------|----------------------|----------------------|
| 2139                     | 2007                | 2022                        | 12                  | 15                  | \$ 70,000                 | 4403   | 2007 | HYUNDAI | HDF 50-7S FORKLIFT | 631              | -               | -               | -               | 70,000               | -                    |
| B36004                   | 2013                | 2023                        | 6                   | 10                  | 46,000                    | 4406   | 2014 | FORD    | F-250 CREW CAB     | 5,177            | -               | -               | -               | -                    | 46,000               |
| <b><u>\$ 116,000</u></b> |                     |                             |                     |                     |                           |        |      |         |                    |                  | <b><u>-</u></b> | <b><u>-</u></b> | <b><u>-</u></b> | <b><u>70,000</u></b> | <b><u>46,000</u></b> |

| Asset #          | Year of Acquisition | Recommended Year of replacement | Current Age (Years) | Useful Life (Years) | Estimated cost to replace | Unit # | Year | Make   | Model | Miles or Hours | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 |
|------------------|---------------------|---------------------------------|---------------------|---------------------|---------------------------|--------|------|--------|-------|----------------|----------|----------|----------|----------|----------|
| D32277           | 2014                | 2024                            | 5                   | 10                  | \$ 27,000                 | 4301   | 2014 | Escape | SUV   | 13,180         | -        | -        | -        | -        | 27,000   |
| <b>\$ 27,000</b> |                     |                                 |                     |                     |                           |        |      |        |       |                | -        | -        | -        | -        | 27,000   |

| Asset # | Year of Acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated Cost to Replace | Unit # | Year | Make | Model             | Mileage or Hours | FY 19-20        | FY 20-21             | FY 21-22             | FY 22-23             | FY 23-24             |
|---------|---------------------|-----------------------------|---------------------|---------------------|---------------------------|--------|------|------|-------------------|------------------|-----------------|----------------------|----------------------|----------------------|----------------------|
| A44095  | 2008                | 2018                        | 11                  | 10                  | \$ 38,500                 | 4811   | 2008 | FORD | EXPEDITION        | 54,261           | -               | 38,500               | -                    | -                    | -                    |
| E42974  | 2010                | 2020                        | 9                   | 10                  | 39,500                    | 4801   | 2010 | FORD | EXPEDITION        | 32,924           | -               | -                    | 39,500               | -                    | -                    |
| C15854  | 2011                | 2021                        | 8                   | 10                  | 41,000                    | 4803   | 2011 | FORD | F150 CLUB CAB 4X4 | 51,263           | -               | -                    | -                    | 41,000               | -                    |
| 255953  | 2013                | 2023                        | 6                   | 10                  | 23,000                    | 4804   | 2013 | FORD | FUSION            | 19,564           | -               | -                    | -                    | -                    | 23,000               |
| C76067  | 2013                | 2023                        | 6                   | 10                  | 41,000                    | 4805   | 2013 | FORD | F-150 EXT CAB P/U | 36,038           | -               | -                    | -                    | -                    | 41,000               |
|         |                     |                             |                     |                     | <b><u>\$ 183,000</u></b>  |        |      |      |                   |                  | <b><u>-</u></b> | <b><u>38,500</u></b> | <b><u>39,500</u></b> | <b><u>41,000</u></b> | <b><u>64,000</u></b> |

Inspections  
Replacement  
Vehicles 2019-2024

| Asset #           | Year of Acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated Cost to Replace | Vehicle # | Year | Make       | Model                | Item Description | Mileage or Hours | FY 19-20      | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 |                |               |          |                |          |
|-------------------|---------------------|-----------------------------|---------------------|---------------------|---------------------------|-----------|------|------------|----------------------|------------------|------------------|---------------|----------|----------|----------|----------|----------------|---------------|----------|----------------|----------|
| 620254            | 2005                | 2013                        | 14                  | 8                   | \$ 42,500                 | 6212      | 2005 | JOHN DEERE | 4500                 | Tractor          | 1,755            | 42,500        | -        | -        | -        | -        |                |               |          |                |          |
| D47459            | 2006                | 2016                        | 13                  | 10                  | 38,500                    | 6201      | 2006 | FORD       | F250 4X4 EXT CAB     | Truck            | 101,577          | 38,500        | -        | -        | -        | -        |                |               |          |                |          |
| N/A               | 2009                | 2013                        | 10                  | 5                   | 13,500                    | 6223      | 2009 | TORO       | WALK BEHIND MOWER    | 48" Mower        | 36               | 13,500        | -        | -        | -        | -        |                |               |          |                |          |
| 110067            | 2013                | 2018                        | 6                   | 5                   | 13,500                    | 6228      | 2013 | HUSTLER    | Super Z Mower        | Lawnmower        | 1,539            | 13,500        | -        | -        | -        | -        |                |               |          |                |          |
| 2650              | 2014                | 2019                        | 5                   | 5                   | 13,500                    | 6231      | 2014 | HUSTLER    | Super Z Mower        | Lawnmower        | 1,247            | 13,500        | -        | -        | -        | -        |                |               |          |                |          |
| 2567              | 2012                | 2017                        | 7                   | 5                   | 13,500                    | 6202      | 2012 | HUSTLER    | X-ONE                | Lawnmower        | 831              | 13,500        | -        | -        | -        | -        |                |               |          |                |          |
| 2732              | 2015                | 2020                        | 4                   | 5                   | 14,000                    | 6234      | 2015 | HUSTLER    | Super Z Mower        | Lawnmower        | 1,319            | -             | 14,000   | -        | -        | -        |                |               |          |                |          |
| 2731              | 2015                | 2020                        | 4                   | 5                   | 35,000                    | 6235      | 2015 | HUSTLER    | Super Z Mower        | Lawnmower        | 1,474            | -             | 35,000   | -        | -        | -        |                |               |          |                |          |
| 2733              | 2015                | 2020                        | 4                   | 5                   | 14,000                    | 6236      | 2015 | HUSTLER    | Super Z Mower        | Lawnmower        | 1,158            | -             | 14,000   | -        | -        | -        |                |               |          |                |          |
| 15601             | 2013                | 2021                        | 6                   | 8                   | 13,500                    | 6227      | 2013 | John Deere | XUV550 S4 ATV        | ATV              | 1,328            | -             | 13,500   | -        | -        | -        |                |               |          |                |          |
| 51799             | 2017                | 2022                        | 2                   | 5                   | 65,000                    | 6242      | 2017 | John Deere | Z960M                | Zero Turn Mower  | 531              | -             | -        | -        | 65,000   | -        |                |               |          |                |          |
| B85533            | 2012                | 2017                        | 14                  | 10                  | 64,500                    | 6226      | 2012 | FORD       | F350 CREW CAB 4X4 XL | Truck            | 54,534           | -             | -        | -        | 64,500   | -        |                |               |          |                |          |
| <b>\$ 341,000</b> |                     |                             |                     |                     |                           |           |      |            |                      |                  |                  | <b>TOTALS</b> |          |          |          |          | <b>135,000</b> | <b>76,500</b> | <b>-</b> | <b>129,500</b> | <b>-</b> |

Parks, Recreation and Cultural Resources  
Replacement Vehicles  
2019-2024



| Vehicle Status | Asset # | Year of Acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated Replacement Cost | Department Requested | Unit # | Year | Make      | Model                | Mileage or Hours | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 |
|----------------|---------|---------------------|-----------------------------|---------------------|---------------------|----------------------------|----------------------|--------|------|-----------|----------------------|------------------|----------|----------|----------|----------|----------|
| Admin          | 281558  | 2011                | 2021                        | 8                   | 10                  | \$ 42,000                  | 2020                 | 185    | 2011 | CHEVROLET | TAHOE                | 54,002           | 42,000   | -        | -        | -        | -        |
| Investigations | 532623  | 2011                | 2021                        | 8                   | 10                  | 39,000                     | 2021                 | 186    | 2011 | CHEVROLET | CAPRICE              | 45,639           | -        | 39,000   | -        | -        | -        |
| Investigations | 251149  | 2011                | 2021                        | 8                   | 10                  | 40,000                     | 2023                 | 189    | 2011 | CHEVROLET | IMPALA               | 50,211           | -        | -        | -        | 40,000   | -        |
| Investigations | 254919  | 2008                | 2018                        | 11                  | 10                  | 38,000                     | 2020                 | 169    | 2008 | CHEVROLET | IMPALA               | 56,809           | 38,000   | -        | -        | -        | -        |
| Patrol         | 247905  | 2012                | 2017                        | 7                   | 5                   | 38,000                     | 2021                 | 112    | 2012 | DODGE     | CHARGER              | 57,110           | -        | 38,000   | -        | -        | -        |
| Patrol         | 629440  | 2013                | 2018                        | 6                   | 5                   | 38,000                     | 2020                 | 204    | 2013 | DODGE     | CHARGER              | 60,668           | 38,000   | -        | -        | -        | -        |
| Patrol         | 629441  | 2013                | 2018                        | 6                   | 5                   | 38,000                     | 2020                 | 205    | 2013 | DODGE     | CHARGER              | 60,603           | 38,000   | -        | -        | -        | -        |
| Patrol         | 629442  | 2013                | 2018                        | 6                   | 5                   | 38,000                     | 2020                 | 206    | 2013 | DODGE     | CHARGER              | 61,258           | 38,000   | -        | -        | -        | -        |
| Patrol         | 280363  | 2013                | 2018                        | 6                   | 5                   | 42,000                     | 2020                 | 207    | 2013 | CHEVROLET | TAHOE                | 68,087           | 42,000   | -        | -        | -        | -        |
| Patrol         | 200982  | 2014                | 2019                        | 5                   | 5                   | 42,000                     | 2020                 | 213    | 2014 | CHEVROLET | TAHOE                | 50,360           | 42,000   | -        | -        | -        | -        |
| Dare Vehicle   | 178765  | 2014                | 2019                        | 5                   | 5                   | 42,000                     | 2021                 | 143    | 2014 | CHEVROLET | TAHOE 4X4            | 49,192           | -        | 42,000   | -        | -        | -        |
| Investigations | 629443  | 2013                | 2018                        | 6                   | 5                   | 39,000                     | 2022                 | 203    | 2013 | DODGE     | CHARGER              | 41,833           | -        | -        | 39,000   | -        | -        |
| Patrol         | 200183  | 2014                | 2019                        | 5                   | 5                   | 42,000                     | 2020                 | 161    | 2014 | CHEVROLET | TAHOE                | 61,767           | 42,000   | -        | -        | -        | -        |
| Patrol         | 772434  | 2015                | 2020                        | 4                   | 5                   | 39,000                     | 2021                 | 167    | 2015 | DODGE     | CHARGER              | 42,738           | -        | 39,000   | -        | -        | -        |
| Patrol         | 772441  | 2015                | 2020                        | 4                   | 5                   | 39,000                     | 2021                 | 172    | 2015 | DODGE     | CHARGER              | 38,398           | -        | 39,000   | -        | -        | -        |
| Patrol         | 772435  | 2015                | 2020                        | 4                   | 5                   | 38,000                     | 2020                 | 174    | 2015 | DODGE     | CHARGER              | 46,453           | 38,000   | -        | -        | -        | -        |
| Patrol         | 276601  | 2013                | 2018                        | 6                   | 5                   | 42,000                     | 2020                 | 210    | 2013 | CHEVROLET | TAHOE                | 67,105           | 42,000   | -        | -        | -        | -        |
| Patrol         | 203514  | 2014                | 2019                        | 5                   | 5                   | 39,000                     | 2021                 | 218    | 2014 | DODGE     | CHARGER              | 51,293           | -        | 39,000   | -        | -        | -        |
| Patrol         | 203513  | 2014                | 2019                        | 5                   | 5                   | 38,000                     | 2020                 | 219    | 2014 | DODGE     | CHARGER              | 61,309           | 38,000   | -        | -        | -        | -        |
| Patrol         | 203510  | 2014                | 2019                        | 5                   | 5                   | 38,000                     | 2020                 | 221    | 2014 | DODGE     | CHARGER              | 61,383           | 38,000   | -        | -        | -        | -        |
| Patrol         | 203511  | 2014                | 2019                        | 5                   | 5                   | 40,000                     | 2022                 | 223    | 2014 | DODGE     | CHARGER              | 40,514           | -        | -        | 40,000   | -        | -        |
| SRO            | 144973  | 2014                | 2024                        | 5                   | 10                  | 45,000                     | 2023                 | 109    | 2014 | CHEVROLET | TAHOE 4X4            | 26,137           | -        | -        | -        | 45,000   | -        |
| SRO            | 151414  | 2014                | 2024                        | 5                   | 10                  | 43,000                     | 2021                 | 141    | 2014 | CHEVROLET | TAHOE 4X4            | 55,778           | -        | 43,000   | -        | -        | -        |
| SUV            | 280363  | 2013                | 2018                        | 6                   | 5                   | 42,000                     | 2020                 | 212    | 2013 | CHEVROLET | TAHOE                | 67,521           | 42,000   | -        | -        | -        | -        |
| Undercover     | 325100  | 2012                | 2022                        | 7                   | 10                  | 39,000                     | 2023                 | 103    | 2012 | DODGE     | CARAVAN              | 47,418           | -        | -        | -        | 39,000   | -        |
| Unmarked       | 309026  | 2012                | 2022                        | 7                   | 10                  | 39,000                     | 2023                 | 130    | 2012 | DODGE     | DURANGO              | 55,171           | -        | -        | -        | 39,000   | -        |
| Vehicle        | 200180  | 2014                | 2019                        | 5                   | 5                   | 43,000                     | 2021                 | 160    | 2014 | CHEVROLET | TAHOE                | 50,875           | -        | 43,000   | -        | -        | -        |
| Admin          | 636027  | 2015                | 2020                        | 4                   | 5                   | 43,000                     | 2021                 | 183    | 2015 | CHEVROLET | TAHOE 4X4            | 33,097           | -        | 43,000   | -        | -        | -        |
| Admin          | C15681  | 2016                | 2026                        | 3                   | 10                  | 42,000                     | 2024                 | 234    | 2016 | FORD      | Explorer Interceptor | 16,068           | -        | -        | -        | -        | 42,000   |
| Patrol         | 772436  | 2015                | 2020                        | 4                   | 5                   | 40,000                     | 2022                 | 102    | 2015 | DODGE     | CHARGER              | 41,466           | -        | -        | 40,000   | -        | -        |
| Patrol         | 772437  | 2015                | 2020                        | 4                   | 5                   | 40,000                     | 2022                 | 104    | 2015 | DODGE     | CHARGER              | 42,388           | -        | -        | 40,000   | -        | -        |
| Patrol         | 772488  | 2015                | 2020                        | 4                   | 5                   | 40,000                     | 2022                 | 116    | 2015 | DODGE     | CHARGER              | 37,454           | -        | -        | 40,000   | -        | -        |
| Patrol         | 772439  | 2015                | 2020                        | 4                   | 5                   | 40,000                     | 2022                 | 121    | 2015 | DODGE     | CHARGER              | 38,893           | -        | -        | 40,000   | -        | -        |
| Patrol         | 772440  | 2015                | 2020                        | 4                   | 5                   | 38,000                     | 2020                 | 122    | 2015 | DODGE     | CHARGER              | 64,396           | 38,000   | -        | -        | -        | -        |
| Patrol         | 772442  | 2015                | 2020                        | 4                   | 5                   | 40,000                     | 2022                 | 137    | 2015 | DODGE     | CHARGER              | 41,519           | -        | -        | 40,000   | -        | -        |
| Patrol         | 772443  | 2015                | 2020                        | 4                   | 5                   | 39,000                     | 2021                 | 138    | 2015 | DODGE     | CHARGER              | 57,980           | -        | 39,000   | -        | -        | -        |
| Patrol         | 640763  | 2015                | 2020                        | 4                   | 5                   | 42,000                     | 2020                 | 229    | 2015 | CHEVROLET | TAHOE 4X4            | 47,030           | 42,000   | -        | -        | -        | -        |
| Patrol         | 635936  | 2015                | 2020                        | 4                   | 5                   | 42,000                     | 2020                 | 230    | 2015 | CHEVROLET | TAHOE 4X4            | 68,435           | 42,000   | -        | -        | -        | -        |
| Patrol         | 636698  | 2015                | 2020                        | 4                   | 5                   | 42,000                     | 2020                 | 231    | 2015 | CHEVROLET | TAHOE 4X4            | 56,414           | 42,000   | -        | -        | -        | -        |
| Patrol         | 635795  | 2015                | 2020                        | 4                   | 5                   | 42,000                     | 2020                 | 232    | 2015 | CHEVROLET | TAHOE 4X4            | 52,957           | 42,000   | -        | -        | -        | -        |
| Patrol         | C37527  | 2016                | 2021                        | 3                   | 5                   | 40,000                     | 2022                 | 233    | 2016 | FORD      | Explorer Interceptor | 35,349           | -        | -        | 40,000   | -        | -        |
| Patrol         | C27882  | 2016                | 2021                        | 3                   | 5                   | 40,000                     | 2022                 | 235    | 2016 | FORD      | Explorer Interceptor | 26,359           | -        | -        | 40,000   | -        | -        |
| Patrol         | C37528  | 2016                | 2021                        | 3                   | 5                   | 39,000                     | 2021                 | 236    | 2016 | FORD      | Explorer Interceptor | 39,803           | -        | 39,000   | -        | -        | -        |
| Patrol         | C27883  | 2016                | 2021                        | 3                   | 5                   | 41,000                     | 2023                 | 237    | 2016 | FORD      | Explorer Interceptor | 20,175           | -        | -        | -        | 41,000   | -        |
| Patrol         | C37529  | 2016                | 2021                        | 3                   | 5                   | 40,000                     | 2022                 | 238    | 2016 | FORD      | Explorer Interceptor | 35,148           | -        | -        | 40,000   | -        | -        |
| Patrol         | C27884  | 2016                | 2021                        | 3                   | 5                   | 40,000                     | 2022                 | 239    | 2016 | FORD      | Explorer Interceptor | 26,380           | -        | -        | 40,000   | -        | -        |
| Panel Van      | 103598  | 2012                | 2022                        | 7                   | 10                  | 42,000                     | 2024                 | 196    | 2012 | NISSAN    | NV2500 VAN           | 41,917           | -        | -        | 42,000   | -        | -        |
| Patrol         | 114461  | 2016                | 2021                        | 3                   | 5                   | 40,000                     | 2022                 | 155    | 2016 | FORD      | Taurus Interceptor   | 29,579           | -        | -        | 40,000   | -        | -        |
| Patrol         | C42751  | 2016                | 2021                        | 3                   | 5                   | 40,000                     | 2022                 | 127    | 2016 | FORD      | Explorer Interceptor | 44,098           | -        | -        | 40,000   | -        | -        |
| Patrol         | C42752  | 2016                | 2021                        | 3                   | 5                   | 39,000                     | 2021                 | 134    | 2016 | FORD      | Explorer Interceptor | 37,518           | -        | 39,000   | -        | -        | -        |
| Patrol         | C51825  | 2016                | 2021                        | 3                   | 5                   | 40,000                     | 2022                 | 148    | 2016 | FORD      | Explorer Interceptor | 27,892           | -        | -        | 40,000   | -        | -        |
| Patrol         | 114462  | 2016                | 2021                        | 3                   | 5                   | 41,000                     | 2023                 | 159    | 2016 | FORD      | Taurus Interceptor   | 29,002           | -        | -        | -        | 41,000   | -        |
| Patrol         | 114579  | 2016                | 2021                        | 3                   | 5                   | 40,000                     | 2022                 | 166    | 2016 | FORD      | Taurus Interceptor   | 29,160           | -        | -        | 40,000   | -        | -        |
| Patrol         | 114463  | 2016                | 2021                        | 3                   | 5                   | 39,000                     | 2021                 | 177    | 2016 | FORD      | Taurus Interceptor   | 33,194           | -        | 39,000   | -        | -        | -        |
| Patrol         | B72780  | 2017                | 2022                        | 2                   | 5                   | 42,000                     | 2024                 | 240    | 2017 | FORD      | Explorer Interceptor | 20,845           | -        | -        | -        | -        | 42,000   |
| Admin          | B72781  | 2017                | 2022                        | 2                   | 5                   | 42,000                     | 2024                 | 241    | 2017 | FORD      | Explorer Interceptor | 19,034           | -        | -        | -        | -        | 42,000   |
| Patrol         | B72782  | 2017                | 2022                        | 2                   | 5                   | 42,000                     | 2024                 | 242    | 2017 | FORD      | Explorer Interceptor | 21,534           | -        | -        | -        | -        | 42,000   |
| Patrol         | B72963  | 2017                | 2022                        | 2                   | 5                   | 42,000                     | 2024                 | 243    | 2017 | FORD      | Explorer Interceptor | 16,976           | -        | -        | -        | -        | 42,000   |
| Patrol         | B92752  | 2017                | 2022                        | 2                   | 5                   | 40,000                     | 2022                 | 244    | 2017 | FORD      | Explorer Interceptor | 25,276           | -        | -        | 40,000   | -        | -        |
| Patrol         | 630811  | 2017                | 2022                        | 2                   | 5                   | 40,000                     | 2022                 | 245    | 2017 | FORD      | Explorer Interceptor | 31,223           | -        | -        | 40,000   | -        | -        |
| Admin          | C485526 | 2017                | 2022                        | 2                   | 5                   | 50,000                     | 2024                 | 246    | 2017 | FORD      | F250                 | 19,112           | -        | -        | -        | -        | 50,000   |
| Patrol         | 227047  | 2017                | 2022                        | 2                   | 5                   | 46,000                     | 2024                 | 247    | 2017 | CHEVROLET | TAHOE                | 21,956           | -        | -        | -        | -        | 46,000   |
| Patrol         | 229124  | 2017                | 2022                        | 2                   | 5                   | 46,000                     | 2024                 | 248    | 2017 | CHEVROLET | TAHOE                | 17,491           | -        | -        | -        | -        | 46,000   |
| Patrol         | 229955  | 2017                | 2022                        | 2                   | 5                   | 45,000                     | 2023                 | 249    | 2017 | CHEVROLET | TAHOE                | 23,514           | -        | -        | -        | 45,000   | -        |
| Patrol         | 227671  | 2017                | 2022                        | 2                   | 5                   | 46,000                     | 2024                 | 250    | 2017 | CHEVROLET | TAHOE                | 17,391           | -        | -        | -        | -        | 46,000   |

Police  
Replacement Vehicles  
2019 - 2024

| Vehicle Status    | Asset # | Year of Acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated Replacement Cost | Department Requested | Unit # | Year | Make      | Model              | Mileage or Hours | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 |
|-------------------|---------|---------------------|-----------------------------|---------------------|---------------------|----------------------------|----------------------|--------|------|-----------|--------------------|------------------|----------|----------|----------|----------|----------|
| Patrol            | 225175  | 2017                | 2022                        | 2                   | 5                   | 45,000                     | 2023                 | 251    | 2017 | CHEVROLET | TAHOE              | 19,778           | -        | -        | -        | 45,000   | -        |
| Patrol            | 226257  | 2017                | 2022                        | 2                   | 5                   | 45,000                     | 2023                 | 252    | 2017 | CHEVROLET | TAHOE              | 24,773           | -        | -        | -        | 45,000   | -        |
| Patrol            | 227648  | 2017                | 2022                        | 2                   | 5                   | 46,000                     | 2024                 | 253    | 2017 | CHEVROLET | TAHOE              | 16,380           | -        | -        | -        | -        | 46,000   |
| Patrol            | 538512  | 2017                | 2022                        | 2                   | 5                   | 45,000                     | 2023                 | 254    | 2017 | DODGE     | CHARGER            | 22,864           | -        | -        | -        | 45,000   | -        |
| Patrol            | 538149  | 2017                | 2022                        | 2                   | 5                   | 42,000                     | 2024                 | 255    | 2017 | DODGE     | CHARGER            | 19,102           | -        | -        | -        | -        | 42,000   |
| Patrol            | 538148  | 2017                | 2022                        | 2                   | 5                   | 45,000                     | 2022                 | 256    | 2017 | DODGE     | CHARGER            | 31,481           | -        | -        | 45,000   | -        | -        |
| Patrol            | 538147  | 2017                | 2022                        | 2                   | 5                   | 42,000                     | 2024                 | 258    | 2017 | DODGE     | CHARGER            | 25,630           | -        | -        | -        | -        | 42,000   |
| Patrol            | 538150  | 2017                | 2022                        | 2                   | 5                   | 45,000                     | 2023                 | 259    | 2017 | DODGE     | CHARGER            | 29,754           | -        | -        | -        | 45,000   | -        |
| Spare             | 258048  | 2008                | 2018                        | 11                  | 10                  | 38,000                     | 2020                 | 168    | 2008 | CHEVROLET | Impala             | 63,986           | 38,000   | -        | -        | -        | -        |
| Spare             | 247900  | 2012                | 2017                        | 7                   | 5                   | 39,000                     | 2021                 | 105    | 2012 | DODGE     | Charger            | 59,226           | -        | 39,000   | -        | -        | -        |
| Spare             | 247899  | 2012                | 2017                        | 7                   | 5                   | 39,000                     | 2021                 | 133    | 2012 | DODGE     | Charger            | 55,655           | -        | 39,000   | -        | -        | -        |
| Spare             | 247903  | 2012                | 2017                        | 7                   | 5                   | 39,000                     | 2021                 | 139    | 2012 | DODGE     | Charger            | 58,875           | -        | 39,000   | -        | -        | -        |
| Spare             | 247901  | 2012                | 2017                        | 7                   | 5                   | 39,000                     | 2021                 | 146    | 2012 | DODGE     | Charger            | 50,617           | -        | 39,000   | -        | -        | -        |
| Spare             | 275816  | 2013                | 2023                        | 6                   | 10                  | 43,000                     | 2021                 | 208    | 2013 | CHEVROLET | Tahoe              | 53,705           | -        | 43,000   | -        | -        | -        |
| Truck             | 260756  | 2014                | 2024                        | 5                   | 10                  | 45,000                     | 2022                 | 225    | 2014 | DODGE     | RAM 2500 TK        | 34,292           | -        | -        | 45,000   | -        | -        |
| Patrol Motorcycle | 192650  | 2015                | 2025                        | 4                   | 10                  | 45,000                     | 2023                 | 135    | 2015 | BMW       | MOTORCYCLE         | 11,163           | -        | -        | -        | 45,000   | -        |
| Investigations    | 114460  | 2016                | 2021                        | 3                   | 5                   | 42,000                     | 2024                 | 149    | 2016 | FORD      | Taurus Interceptor | 16,592           | -        | -        | -        | -        | 42,000   |
| Patrol Motorcycle | W23242  | 2017                | 2027                        | 5                   | 10                  | 45,000                     | 2024                 | 260    | 2014 | BMW       | MOTORCYCLE         | 10,056           | -        | -        | -        | -        | 45,000   |
| Patrol            | 610626  | 2017                | 2022                        | 2                   | 5                   | 42,000                     | 2024                 | 262    | 2017 | DODGE     | CHARGER            | 10,383           | -        | -        | -        | -        | 42,000   |
| Spare             | 629438  | 2012                | N/A                         | 7                   | 6                   | 38,000                     | 2018                 | 201    | 2013 | DODGE     | Charger            | 61,126           | 38,000   | -        | -        | -        | -        |
| Spare             | 629439  | 2013                | N/A                         | 6                   | 6                   | 38,000                     | 2019                 | 202    | 2013 | DODGE     | Charger            | 60,119           | 38,000   | -        | -        | -        | -        |
| Training          | 134153  | 2009                | N/A                         | 10                  | 10                  | 45,000                     | 2018                 | 131    | 2009 | FORD      | Crown Victoria     | 61,911           | -        | -        | -        | 45,000   | -        |
| Training          | 145483  | 2006                | N/A                         | 13                  | 10                  | 45,000                     | 2018                 | 156    | 2006 | FORD      | Crown Victoria     | 57,070           | -        | -        | -        | 45,000   | -        |
| Training          | 261192  | 2008                | N/A                         | 11                  | 10                  | 45,000                     | 2018                 | 170    | 2008 | CHEVROLET | Impala             | 57,433           | -        | -        | -        | 45,000   | -        |
| Training          | 550705  | 2011                | N/A                         | 8                   | 10                  | 45,000                     | 2019                 | 192    | 2011 | DODGE     | Charger            | 53,413           | -        | -        | -        | 45,000   | -        |

**\$ 3,721,000**

**838,000    720,000    811,000    695,000    657,000**

| Asset # | Year of Acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated Cost to Replace | Unit # | Year | Make | Model          | Mileage or Hours | FY 19-20             | FY 20-21        | FY 21-22        | FY 22-23             | FY 23-24        |
|---------|---------------------|-----------------------------|---------------------|---------------------|---------------------------|--------|------|------|----------------|------------------|----------------------|-----------------|-----------------|----------------------|-----------------|
| C11758  | 2009                | 2019                        | 10                  | 10                  | \$ 30,000                 | 5402   | 2009 | Ford | Escape XLT 4WD | 43,127           | 30,000               | -               | -               | -                    | -               |
| F40366  | 2012                | 2022                        | 7                   | 10                  | 36,500                    | 5406   | 2012 | Ford | Expedition XL  | 52,406           | -                    | -               | -               | 36,500               | -               |
|         |                     |                             |                     |                     | <b><u>\$ 66,500</u></b>   |        |      |      |                |                  | <b><u>30,000</u></b> | <b><u>-</u></b> | <b><u>-</u></b> | <b><u>36,500</u></b> | <b><u>-</u></b> |

| Asset #         | Year of acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated cost of replacement | Unit # | Year | Make | Model                  | Mileage or Hours | FY 19-20      | FY 20-21      | FY 21-22 | FY 22-23 | FY 23-24 |
|-----------------|---------------------|-----------------------------|---------------------|---------------------|-------------------------------|--------|------|------|------------------------|------------------|---------------|---------------|----------|----------|----------|
| A02030          | 2007                | 2017                        | 12                  | 10                  | \$ 38,000                     | 5501   | 2007 | FORD | F350 4X4 XL SUPER DUTY | 46,253           | 38,000        | -             | -        | -        | -        |
| C63642          | 2011                | 2021                        | 8                   | 10                  | 55,000                        | 5505   | 2011 | FORD | F350 4X4 SUPER DUTY    | 16,965           | -             | 55,000        | -        | -        | -        |
| <b>\$93,000</b> |                     |                             |                     |                     |                               |        |      |      |                        |                  | <b>38,000</b> | <b>55,000</b> | <b>-</b> | <b>-</b> | <b>-</b> |

| Asset # | Year of Acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated Cost of Replacement | Unit # | Year | Make          | Model                 | Item Description               | Mileage or Hours | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 |
|---------|---------------------|-----------------------------|---------------------|---------------------|-------------------------------|--------|------|---------------|-----------------------|--------------------------------|------------------|----------|----------|----------|----------|----------|
| 2342    | 2004                | 2012                        | 15                  | 7                   | \$ 21,500                     | 5637   | 2004 | LAY-MOR       | SWEeper               | TRACTOR                        | 827              | 21,500   | -        | -        | -        | -        |
| 404106  | 2007                | 2017                        | 12                  | 10                  | 175,000                       | 5613   | 2007 | INTERNATIONAL | 4200 SBA 4X2          | DUMP TRUCK                     | 6,641            | 175,000  | -        | -        | -        | -        |
| A43484  | 2008                | 2018                        | 11                  | 10                  | 60,000                        | 5609   | 2008 | FORD          | F350 4X4 CREW CAB     | TRUCK                          | 55,661           | 60,000   | -        | -        | -        | -        |
| 2340    | 2008                | 2018                        | 11                  | 10                  | 125,000                       | 5610   | 2008 | JCB           | 3C                    | BACKHOE                        | 4,909            | 125,000  | -        | -        | -        | -        |
| C31011  | 2008                | 2018                        | 11                  | 10                  | 60,000                        | 5615   | 2008 | FORD          | F350 4X4 CREW CAB     | TRUCK                          | 63,115           | 60,000   | -        | -        | -        | -        |
| A19112  | 2008                | 2018                        | 11                  | 10                  | 60,000                        | 5632   | 2008 | FORD          | F350 4X4 CREW CAB     | TRUCK                          | 70,969           | 60,000   | -        | -        | -        | -        |
| 14059   | 2014                | 2019                        | 5                   | 5                   | 13,500                        | 5649   | 2014 | John Deere    | Z930M                 | LAWN MOWER                     | 1,499            | 13,500   | -        | -        | -        | -        |
| 14060   | 2014                | 2019                        | 5                   | 5                   | 13,500                        | 5612   | 2014 | John Deere    | Z930M                 | LAWN MOWER                     | 936              | 13,500   | -        | -        | -        | -        |
| 2051    | 2005                | 2013                        | 14                  | 8                   | 101,500                       | 5627   | 2005 | JOHN DEERE    | 6420 TRACTOR          | TRACTOR                        | 996              | -        | 101,500  | -        | -        | -        |
| B22038  | 2009                | 2019                        | 10                  | 10                  | 60,000                        | 5638   | 2009 | FORD          | F250 4X4 EXT CAB      | TRUCK                          | 65,739           | -        | 60,000   | -        | -        | -        |
| FA2115  | 2012                | 2019                        | 7                   | 7                   | 215,000                       | 5646   | 2013 | FREIGHTLINER  | STREET SWEEPER        | STREET SWEEPER                 | 3,034            | -        | 215,000  | -        | -        | -        |
| 2467    | 2010                | 2020                        | 9                   | 10                  | 72,000                        | 5605   | 2010 | HAMM          | HAMM HD 13 VV         | PAVEMENT ROLLER                | 595              | -        | 72,000   | -        | -        | -        |
| 2429    | 2010                | 2020                        | 9                   | 10                  | 192,000                       | 5622   | 2010 | LINKBELT      | LINKBELT EXCAVATOR    | EXCAVATOR                      | 1,520            | -        | -        | 192,000  | -        | -        |
| 394144  | 2006                | 2021                        | 13                  | 15                  | 98,000                        | 5617   | 2006 | PIPEHUNTER    | 7834G SEWER JET       | Sewer jet & Trailer are one    | 589              | -        | -        | 98,000   | -        | -        |
| 394143  | 2006                | 2021                        | 13                  | 15                  | 88,500                        | 5620   | 2006 | PIPEHUNTER    | Sewer vacuum          | Sewer Vacuum & Trailer are one | 499              | -        | -        | 88,500   | -        | -        |
| 3085    | 2016                | 2021                        | 3                   | 5                   | 13,500                        | 5660   | 2016 | Hustler       | X-One                 | LAWN MOWER                     | 546              | -        | -        | 13,500   | -        | -        |
| 2339    | 2008                | 2018                        | 11                  | 10                  | 182,500                       | 5619   | 2008 | CHAMPION      | C86C                  | MOTOR GRADER                   | 1,094            | -        | -        | -        | 182,500  | -        |
| A08604  | 2012                | 2022                        | 7                   | 10                  | 60,000                        | 5641   | 2012 | FORD          | F350 4X4 CREW CAB     | TRUCK                          | 32,775           | -        | -        | -        | 60,000   | -        |
| 2541    | 2012                | 2022                        | 7                   | 10                  | 80,000                        | 5642   | 2012 | HYUNDAI       | ROBEX60CR-9 EXCAVATOR | EXCAVATOR                      | 2,440            | -        | -        | -        | 80,000   | -        |
| C33244  | 2012                | 2022                        | 7                   | 10                  | 60,000                        | 5645   | 2012 | FORD          | F350 CREW CAB 4X4 XL  | TRUCK                          | 33,218           | -        | -        | -        | 60,000   | -        |
| 2341    | 2008                | 2016                        | 11                  | 8                   | 9,500                         | 5636   | N/A  | ANDERS        | TACK SPRAYER          | Tack Sprayer                   | 546              | -        | -        | -        | -        | 9,500    |
| GR7124  | 2016                | 2023                        | 3                   | 7                   | 255,000                       | 5661   | 2016 | FREIGHTLINER  | JOHNSTON 655 MKII     | SWEeper                        | 797              | -        | -        | -        | -        | 255,000  |
| N/A     | 2018                | 2023                        | 1                   | 5                   | 11,500                        | 5670   | 2018 | Hustler       | X-One 52" Mower       | Zero Turn Mower                | 9                | -        | -        | -        | -        | 11,500   |

**\$ 2,027,500**

**528,500 448,500 392,000 382,500 276,000**

Streets  
Replacement Vehicles  
2019-2024

| Asset #                  | Year of acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated Cost to Replace | Unit # | Year | Make         | Model       | Item Description         | Mileage or Hours | FY 19-20              | FY 20-21             | FY 21-22              | FY 22-23        | FY 23-24        |
|--------------------------|---------------------|-----------------------------|---------------------|---------------------|---------------------------|--------|------|--------------|-------------|--------------------------|------------------|-----------------------|----------------------|-----------------------|-----------------|-----------------|
| FB6894                   | 2013                | 2020                        | 6                   | 7                   | \$ 171,000                | 5805   | 2013 | FREIGHTLINER | M2106       | Leaf Truck               | 5,268            | 171,000               | -                    | -                     | -               | -               |
| FG4363                   | 2013                | 2020                        | 6                   | 7                   | 190,000                   | 5813   | 2013 | FREIGHTLINER | 108SD       | GARBAGE TRUCK            | 6,274            | 199,000               | -                    | -                     | -               | -               |
| AU6827                   | 2010                | 2018                        | 9                   | 8                   | 130,000                   | 5810   | 2010 | FREIGHTLINER | M2          | KNUCKLEBOOM              | 5,435            | 130,000               | -                    | -                     | -               | -               |
| 168221                   | 2013                | 2020                        | 6                   | 7                   | 42,000                    | 5801   | 2013 | ODB          | SCL800 TM25 | Leaf Vacuum - Tow Behind | 73               | -                     | 42,000               | -                     | -               | -               |
| 168222                   | 2013                | 2020                        | 6                   | 7                   | 42,000                    | 5812   | 2013 | ODB          | SCL800 TM25 | Leaf Vacuum - Tow Behind | 122              | -                     | 42,000               | -                     | -               | -               |
| GH3874                   | 2014                | 2022                        | 5                   | 8                   | 138,000                   | 5814   | 2015 | FREIGHTLINER | M2106       | KNUCKLEBOOM              | 3,997            | -                     | -                    | 138,000               | -               | -               |
| <b><u>\$ 722,000</u></b> |                     |                             |                     |                     |                           |        |      |              |             |                          |                  | <b><u>500,000</u></b> | <b><u>84,000</u></b> | <b><u>138,000</u></b> | <b><u>-</u></b> | <b><u>-</u></b> |

| Asset # | Year of Acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated Cost to Replace | Unit # | Year | Make | Model          | Plate # | Mileage or Hours | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 |
|---------|---------------------|-----------------------------|---------------------|---------------------|---------------------------|--------|------|------|----------------|---------|------------------|----------|----------|----------|----------|----------|
| A63336  | 2009                | 2019                        | 10                  | 10                  | \$ 40,000                 | 5001   | 2009 | FORD | E150 CARGO VAN | 78514T  | 53,668           | 40,000   | -        | -        | -        | -        |

**\$ 40,000**

**40,000      -      -      -      -**

| Asset # | Year of Acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated Cost of Replacement | Unit # | Year | Make          | Model                     | Item Description | Mileage or Hours | FY 19-20 | FY 20-21 | FY 21-22 | FY 22-23 | FY 23-24 |
|---------|---------------------|-----------------------------|---------------------|---------------------|-------------------------------|--------|------|---------------|---------------------------|------------------|------------------|----------|----------|----------|----------|----------|
| 2057    | 2006                | 2014                        | 13                  | 8                   | 23,000                        | 8546   | 2006 | BOBCAT        | 2200D ATV 4X4             | ATV              | 378              | -        | 23,000   | -        | -        | -        |
| 428141  | 2007                | 2017                        | 12                  | 10                  | 158,000                       | 8537   | 2007 | INTERNATIONAL | 4200 SBA 4X2              | DUMP BED         | 1,075            | -        | 158,000  | -        | -        | -        |
| 436364  | 2007                | 2017                        | 12                  | 10                  | 204,000                       | 8543   | 2007 | INTERNATIONAL | 4300 SBA 4X2              | BUCKET TRUCK     | 3,445            | 204,000  | -        | -        | -        | -        |
| 436362  | 2007                | 2017                        | 12                  | 10                  | 204,000                       | 8549   | 2007 | INTERNATIONAL | 4300 SBA 4X2              | BUCKET TRUCK     | 3,861            | 204,000  | -        | -        | -        | -        |
| 2308    | 2008                | 2018                        | 11                  | 10                  | 125,000                       | 8522   | 2008 | YANMAR        | VI075-A                   | EXCAVATOR        | 1,909            | 125,000  | -        | -        | -        | -        |
| 083478  | 2009                | 2019                        | 10                  | 10                  | 190,500                       | 8531   | 2009 | INTERNATIONAL | 4200                      | BUCKET TRUCK     | 8,289            | 190,500  | -        | -        | -        | -        |
| 2481    | 2010                | 2020                        | 9                   | 10                  | 47,500                        | 8561   | 2010 | WACKER NEUSON | RTSC2 TRENCH              | ROLLER           | 45               | -        | 47,500   | -        | -        | -        |
| 2482    | 2010                | 2020                        | 9                   | 10                  | 47,500                        | 8562   | 2010 | WACKER NEUSON | RTSC2 TRENCH              | ROLLER           | 62               | -        | 47,500   | -        | -        | -        |
| A25617  | 2011                | 2021                        | 8                   | 10                  | 40,500                        | 8523   | 2011 | FORD          | E250 CARGO VAN            | VAN              | 49,848           | -        | -        | 40,500   | -        | -        |
| 2552    | 2012                | 2022                        | 7                   | 10                  | 93,500                        | 8512   | 2012 | TAKEUCHI      | TL240CR                   | SKID STEER       | 627              | -        | -        | -        | 93,500   | -        |
| B85573  | 2012                | 2022                        | 7                   | 10                  | 76,500                        | 8514   | 2012 | FORD          | F550 4X4 CREW CAB TOOL BO | TRUCK            | 41,795           | -        | -        | -        | 76,500   | -        |
| B85572  | 2012                | 2022                        | 7                   | 10                  | 76,500                        | 8529   | 2012 | FORD          | F550 4X4 CREW CAB TOOL BO | TRUCK            | 46,220           | -        | -        | -        | 76,500   | -        |
| C78568  | 2004                | 2014                        | 15                  | 10                  | 38,000                        | 8570   | 2004 | Ford          | F350 Crew Cab             | Pickup Truck     | 67,731           | 38,000   | -        | -        | -        | -        |

**\$ 1,324,500**

**761,500 276,000 40,500 246,500 -**

Electric - Operations  
Replacement Vehicles  
2019-2024



| Asset #                  | Year of Acquisition | Replacement Year per Policy | Current Age (Years) | Useful Life (Years) | Estimated Cost to Replace | Unit # | Year | Make         | Model    | Item Description | Mileage or Hours | FY 19-20        | FY 20-21             | FY 21-22        | FY 22-23              | FY 23-24             |
|--------------------------|---------------------|-----------------------------|---------------------|---------------------|---------------------------|--------|------|--------------|----------|------------------|------------------|-----------------|----------------------|-----------------|-----------------------|----------------------|
| 2551                     | 2012                | 2020                        | 7                   | 8                   | \$ 85,500                 | 8607   | 2012 | VERMEER      | BC1800XL | CHIPPER          | 2,516            | -               | 85,500               | -               | -                     | -                    |
| FE0753                   | 2012                | 2022                        | 7                   | 10                  | 225,000                   | 8608   | 2012 | FREIGHTLINER | M2 106   | BUCKET TRUCK     | 5,346            | -               | -                    | -               | 225,000               | -                    |
| 2730                     | 2015                | 2023                        | 4                   | 8                   | 70,000                    | 8609   | 2015 | BANDIT       | 2650T    | STUMP GRINDER    | 249              | -               | -                    | -               | -                     | 70,000               |
| <b><u>\$ 380,500</u></b> |                     |                             |                     |                     |                           |        |      |              |          |                  |                  | <b><u>-</u></b> | <b><u>85,500</u></b> | <b><u>-</u></b> | <b><u>225,000</u></b> | <b><u>70,000</u></b> |

Tree Trimming  
Replacement Vehicles  
2019-2024