

# TOWN of WAKE FOREST

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## Memo

To: Mayor and Board of Commissioners  
From: Kip Padgett, Town Manager   
CC: Department Directors; Antwan Morrison  
Date: February 16, 2016  
Re: 2016 – 2021 Capital Improvement Plan (CIP)

Attached for your review is the above referenced CIP. The plan identifies needs in the amount of \$146 million over the next five years with an estimated operating impact of \$16 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 (2016 – 2017) the funding request is \$21 million. As you look specifically at the year one requests, you will notice that most of the Level A projects focus on maintenance of our current assets. Two projects within the MIS department look to address our technology infrastructure as we seek to update and upgrade to meet the demands of the services we provide and to be more efficient in operations. Over the past few years, we have had a project for Town Roadway Lighting. We are in the process of identifying the streets needed for lighting as well as working with Duke and Wake EMC on the streets in their territory. Our plan is to present you with a recommended phasing plan for approval. We have also listed the street maintenance projects. We are considering the potential issuance of debt in an amount not to exceed \$5 million to address some of our critical road issues. You will also notice a project for Town Hall. With Town Hall approaching the six year mark, the need for larger maintenance items will continue to emerge. This project also sets aside funding for things that may arise during the fiscal year that we may not be aware of, such as additional leaks.

There are several projects in the Levels B & C that are needed as well. As you know, we are in the process of retaining an architect to conduct a feasibility study for the Operations Center which is a priority as identified by the Board during last year's update. Another project, the Ailey Young House, is needed to provide structural stabilization to ensure this historic structure remains intact. In addition, there are projects that address our greenways along with several vehicle replacements.

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

Typically, we have funded approximately \$3 million yearly for our CIP program, but funding has fluctuated greatly in some years. The final numbers for year one will be presented within the Town Manager's proposed budget for 2016 – 2017.

Staff will be present at your CIP work session to provide any information required as you begin to decide priorities for the upcoming year. 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 will be used to present planned maintenance projects which 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 sufficiently manage the operating costs; there remains the need to maintain our aging assets.

**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 2016-17 through 2020-21. 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 2016-21 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	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	TOTALS	Beyond 2021 Memo Only
<b>USES:</b>								
<i>GENERAL FUND</i>								
General Government	\$ 24,500	\$ 67,500	\$ 63,000	\$ 100,000	\$ 6,000	\$ 3,803,500	\$ 4,064,500	\$ 3,700,000
Management Information Systems	20,000	361,000	271,000	270,000	165,000	635,000	1,722,000	970,000
Public Facilities	335,000	2,032,000	3,337,000	7,713,750	479,000	105,250	14,002,000	21,972,000
Public Safety	-	385,000	245,000	507,500	220,500	488,000	1,846,000	-
Transportation	5,236,515	10,153,225	9,233,060	20,031,700	19,522,000	11,629,000	75,805,500	11,073,000
Parks and Recreation	508,500	1,197,500	8,615,000	3,820,000	920,000	770,000	15,831,000	29,000,000
Streets Division	-	181,500	285,000	445,000	160,000	190,000	1,261,500	405,000
Fleet Division	-	222,000	-	-	-	-	222,000	-
Environmental Services	-	-	-	-	195,000	-	195,000	-
Asset Maintenance	443,500	2,771,000	2,876,500	6,412,000	2,456,500	1,591,500	16,551,000	1,041,000
Vehicle/Equipment Replacements	-	1,306,500	944,760	1,229,750	1,246,250	1,540,500	6,267,760	2,526,450
	<u>6,568,015</u>	<u>18,677,225</u>	<u>25,870,320</u>	<u>40,529,700</u>	<u>25,370,250</u>	<u>20,752,750</u>	<u>137,768,260</u>	<u>70,687,450</u>
<i>ELECTRIC FUND</i>								
Electric/Tree Trimming	\$ 1,125,900	\$ 1,558,900	\$ 948,000	\$ 970,000	\$ 900,000	\$ 990,000	\$ 6,492,800	\$ -
Vehicle/Equipment Replacements	-	614,000	549,000	429,050	190,500	95,000	1,877,550	1,440,000
<b>TOTAL USES</b>	<u>\$ 7,693,915</u>	<u>\$ 20,850,125</u>	<u>\$ 27,367,320</u>	<u>\$ 41,928,750</u>	<u>\$ 26,460,750</u>	<u>\$ 21,837,750</u>	<u>\$ 146,138,610</u>	<u>\$ 72,127,450</u>
<b>SOURCES:</b>								
<i>GENERAL FUND</i>								
Current G.O. Referendum - Issued	1,690,000	480,000	-	-	-	-	2,170,000	-
Current G.O. Referendum - Not Yet Issued	362,000	2,663,500	10,720,000	4,966,500	1,641,000	417,000	20,770,000	-
Future G.O. Referendum - Estimated	-	159,500	680,000	6,692,500	3,020,500	6,916,500	17,469,000	32,480,000
Future Installment Purchase - Other	-	825,000	1,525,000	7,975,000	825,000	3,325,000	14,475,000	21,791,000
Future Installment Purchase - Vehicles/Equipment	-	1,971,500	1,477,760	1,622,250	1,661,750	1,733,500	8,466,760	2,526,450
Grant Funds - Awarded	2,969,940	2,679,020	250,000	2,397,500	-	-	8,296,460	-
Grant Funds - Future Application/Application Submitted	214,000	1,260,000	5,671,500	10,688,300	15,633,500	4,657,000	38,124,300	5,935,000
Capital Reserve Funds	-	-	-	-	-	1,300,000	1,300,000	4,020,000
Pay As You Go - User Fees/Other Revenues/Reserves	-	-	175,000	200,000	50,000	-	425,000	-
Downtown Municipal Service District	-	75,000	-	-	-	-	75,000	-
Other Available Sources (Timing & Amounts TBD)	1,332,075	8,563,705	5,371,060	5,987,650	2,538,500	2,403,750	26,196,740	3,935,000
<i>ELECTRIC FUND</i>								
Vehicles/Equipment Installment Purchase	-	614,000	549,000	429,050	190,500	95,000	1,877,550	1,440,000
Pay As You Go - User Fees/Other Revenues/Reserves	1,125,900	1,558,900	948,000	970,000	900,000	990,000	6,492,800	-
<b>TOTAL SOURCES</b>	<u>\$ 7,693,915</u>	<u>\$ 20,850,125</u>	<u>\$ 27,367,320</u>	<u>\$ 41,928,750</u>	<u>\$ 26,460,750</u>	<u>\$ 21,837,750</u>	<u>\$ 146,138,610</u>	<u>\$ 72,127,450</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	DSMD	Capital Reserve	Other	Department Total
General Government	\$ 125,910	\$ -	\$ 78,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 10,000	\$ 17,500	\$ -	\$ 5,000,000	\$ 33,090	\$ 7,764,500
MIS	2,267,000	-	30,000	-	-	-	-	-	-	75,000	320,000	-	2,692,000
Public Facilities	3,999,000	-	75,000	28,800,000	-	3,100,000	-	-	-	-	-	-	35,974,000
Public Safety	445,000	-	1,196,000	-	-	-	-	100,000	105,000	-	-	-	1,846,000
GTP	15,767,420	-	-	-	1,370,000	6,570,000	14,969,000	7,923,780	40,278,300	-	-	-	86,878,500
PRCR	3,078,320	-	365,000	-	-	11,100,000	29,500,000	262,680	525,000	-	-	-	44,831,000
Electric	-	6,492,800	-	-	-	-	-	-	-	-	-	-	6,492,800
Environmental Services	-	-	195,000	-	-	-	-	-	-	-	-	-	195,000
Fleet Maintenance	97,000	-	125,000	-	-	-	-	-	-	-	-	-	222,000
Streets	1,106,500	425,000	135,000	-	-	-	-	-	-	-	-	-	1,666,500
Asset Maintenance	3,212,500	-	-	4,966,000	800,000	-	5,480,000	-	3,133,500	-	-	-	17,592,000
Vehicle Replacements	-	3,317,550	8,794,210	-	-	-	-	-	-	-	-	-	12,111,760
	<b>\$ 30,098,650</b>	<b>\$ 10,235,350</b>	<b>\$ 10,993,210</b>	<b>\$ 36,266,000</b>	<b>\$ 2,170,000</b>	<b>\$ 20,770,000</b>	<b>\$ 49,949,000</b>	<b>\$ 8,296,460</b>	<b>\$ 44,059,300</b>	<b>\$ 75,000</b>	<b>\$ 5,320,000</b>	<b>\$ 33,090</b>	<b>\$ 218,266,060</b>

Bond Projects Fully Funded (removed from update):

**Street and Sidewalk Improvements**

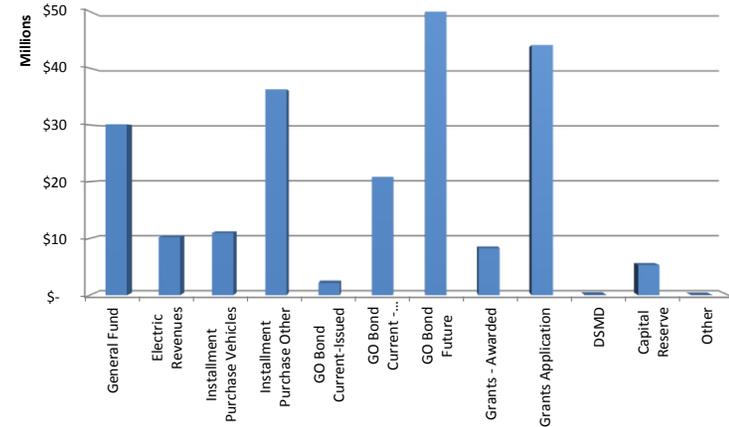
Ligon Mill Road Operational Improvements	845,000
W. Oak Avenue Underpass	168,000
Forestville Road Pedestrian Underpass	67,000
Traffic Signals	90,000

**Greenways**

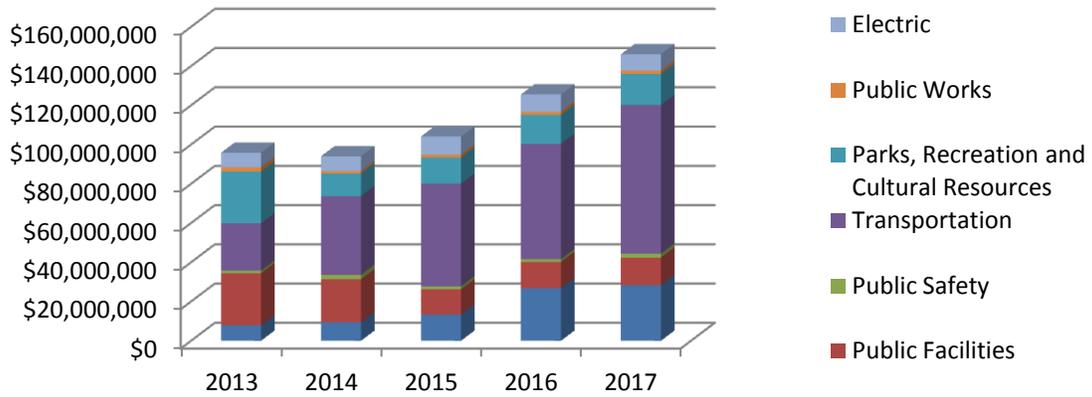
Dunn Creek Greenway - Boardwalk Rehab	400,000
Dunn Creek Greenway - Downtown Connector	90,000
Passive/Active Greenways	500,000

Subtotal 2,160,000

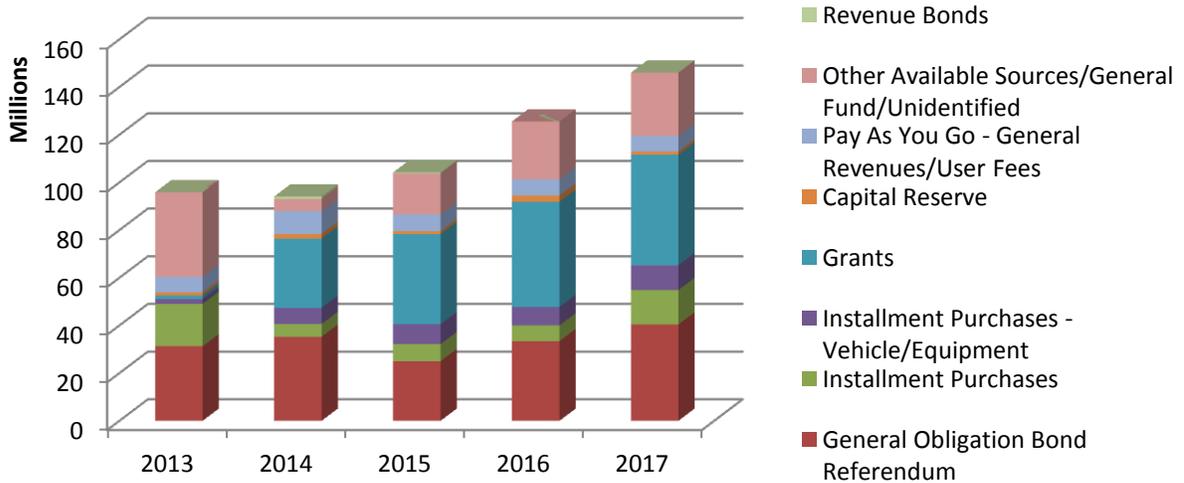
Total 1st Bond Issuance \$ 4,330,000 \*amount issued in Spring 2015



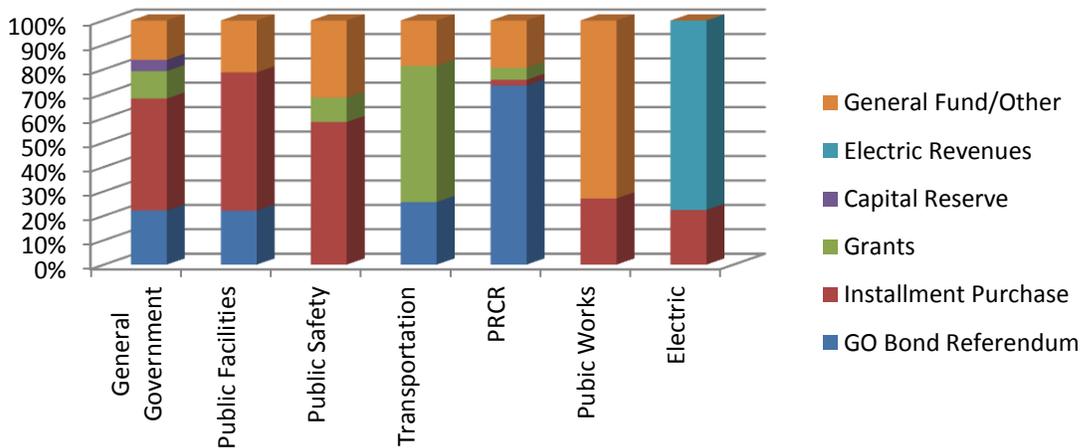
**5 Year Total Project Costs by Function Comparison:**



**5 Year Total Project Revenue Source Comparison:**



**CIP Plan 2016-2021 - 5 Year Total Project Revenue Source x Function:**



Capital Improvement Plan  
**FUNDING LEVEL SUMMARY**  
 FISCAL YEAR 2016-2017

PAGE	DEPARTMENT/Division	PROJECT DESCRIPTION	PRIORITY TYPE	IST YEAR CAPITAL COST	EXTERNAL FUNDING
<u>LEVEL A</u>					
M-1	Mgmt. Information Systems	VOIP HARDWARE REFRESH	H-2	\$ 125,000	\$ -
M-2	Mgmt. Information Systems	SOFTWARE UPGRADES AND ENHANCEMENTS	H-2	129,000	-
PF-1	Public Facilities	SECURITY ALARMS, CAMERAS AND DOOR ACCESS	H-1	125,000	-
S-2	Streets	TOWN ROADWAY LIGHTING	M-1	25,000	-
AM-1	Asset Maintenance	FLAHERTY PARK DAM	H-1	401,000	-
AM-2	Asset Maintenance	HVAC REPLACEMENT	H-2	50,000	-
AM-4	Asset Maintenance	AILEY YOUNG RESTROOM	H-1	30,000	-
AM-5	Asset Maintenance	KIWANIS GREENWAY BRIDGE REPLACEMENT	H-1	349,000	-
AM-6	Asset Maintenance	ANNUAL STREET MAINTENANCE	H-2	825,000	-
AM-8	Asset Maintenance	WAKE FOREST RESERVOIR IMPROVEMENTS	H-2	559,500	480,000
AM-9	Asset Maintenance	NORTH AVENUE RETAINING WALL	H-1	90,500	-
AM-13	Asset Maintenance	SOCCER CENTER @ SMITH CREEK GREENWAY	H-2	100,000	-
AM-15	Asset Maintenance	SANFORD CREEK GREENWAY BOARDWALK REPLACEMENT	H-1	44,500	-
AM-3	Asset Maintenance	TOWN HALL - REPAIRS	H-2	190,000	-
				3,043,500	480,000
<u>LEVEL B:</u>					
GG-1	Planning	AILEY YOUNG HOUSE REHABILITATION	L-2	37,500	17,500
GG-3	Inspections	VEHICLE - ADDITION	M-3	30,000	-
PF-2	Public Facilities	VEHICLE - ADDITION	M-3	75,000	-
PF-4	Public Facilities	SENIOR CENTER EXPANSION	H-3	1,300,000	1,300,000
PF-5	Public Facilities	RENAISSANCE CENTRE RENOVATIONS	M-3	302,000	-
PF-6	Public Facilities	GATEWAYS, INTERCHANGES AND INTERSECTIONS	M-3	80,000	-
PF-7	Public Facilities	OPERATIONS CENTER EXPANSION	H-3	150,000	-
M-3	Public Safety	LICENSE FEES AND SOFTWARE UPGRADES	M-3	32,000	-
PS-2	Public Safety	VEHICLE - ADDITION	H-3	210,000	-
PS-3	Public Safety	VEHICLE - ADDITION	M-2	175,000	-
T-1	GTP	TRAFFIC/PEDESTRIAN SIGNALS	M-3	80,000	-
T-2	GTP	ROAD CONNECTIONS	M-3	102,000	-
T-3	GTP	SMITH & SANFORD CREEK GREENWAY - CMAQ	H-3	4,411,680	2,071,020
T-4	GTP	PRIORITY PEDESTRIAN CORRIDORS - WAIT & W. OAK	H-3	291,500	-
T-5	GTP	STADIUM DRIVE COMPLETE STREETS & NORTH AVE	H-3	1,860,000	1,440,000
T-7	GTP	SMITH CREEK GREENWAY - PHASE 2	H-3	907,045	827,000
T-8	GTP	GREENWAY AND PARK SIGNAGE	H-3	345,500	-
T-9	GTP	DURHAM ROAD OPERATIONAL IMPROVEMENTS	H-3	254,500	-
T-10	GTP	HARRIS ROAD ROUNDABOUT	H-3	592,000	120,500
T-11	GTP	PASSIVE/ACTIVE GREENWAY CONNECTIONS	M-3	34,500	34,000
T-14	GTP	DUNN CREEK GREENWAY - PHASE 3	H-3	549,500	-
T-16	GTP	W. HOLDING AVENUE - SIDEWALK	M-3	33,000	-
T-20	GTP	RICHLAND CREEK GREENWAY	M-2	692,000	-
PRCR-1	PRCR	JOYNER PARK - PHASE 2	H-4	750,000	750,000
PRCR-3	PRCR	VEHICLE - ADDITION	M-3	50,000	-
PRCR-5	PRCR	FLAHERTY PARK BASEBALL/SOFTBALL FIELDS - IRRIGATION	M-2	155,000	-
PRCR-6	PRCR	ATHLETIC FIELDS FENCE REPLACEMENT	M-2	100,000	-
PRCR-7	PRCR	PICKLEBALL COURTS	M-3	122,500	-
VR	General Fund - Total	VEHICLE REPLACEMENTS	M-3	1,306,500	-
FM-3	Fleet Maintenance	PORTABLE VEHICLE LIFT	M-3	45,000	-
S-1	Streets	COMPACTOR/ROLLER	M-3	46,500	-
S-6	Streets	TRANSPORTATION SIDEWALK PROJECTS	M-2	110,000	-
AM-7	Asset Maintenance	SIDEWALK REPLACEMENTS	M-2	100,000	-
AM-10	Asset Maintenance	MILLER PARK STREAM REHAB & RESTORATION	M-2	31,500	-
E-1	Electric	LINE CONSTRUCTION/SYSTEM IMPROVEMENTS	M-2	900,000	-
E-2	Electric	RF LOAD MANAGEMENT SWITCHES/METERS	M-2	626,400	-
E-3	Electric	THREE PHASE METER TEST SYSTEM	M-2	32,500	-
VR	Electric Fund - Total	VEHICLE REPLACEMENTS	M-3	614,000	-
				17,534,625	6,560,020

Capital Improvement Plan  
**FUNDING LEVEL SUMMARY**  
 FISCAL YEAR 2016-2017

PAGE	DEPARTMENT/Division	PROJECT DESCRIPTION	PRIORITY TYPE	1ST YEAR CAPITAL COST	EXTERNAL FUNDING
	<u>LEVEL C:</u>				
M-4	Mgmt. Information Systems	WIRELESS INTERNET ACCESS - DIGITAL KIOSK	M-4	75,000	-
FM-1	Fleet Maintenance	FORK LIFT	M-4	52,000	-
FM-2	Fleet Maintenance	TRUCK WITH HOOKLIFT AND BODIES	M-4	125,000	-
PRCR-12	PRCR	SPRAYGROUND/WATER FEATURES	M-4	20,000	-
				272,000	-
				\$20,850,125	\$7,040,020

\*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.

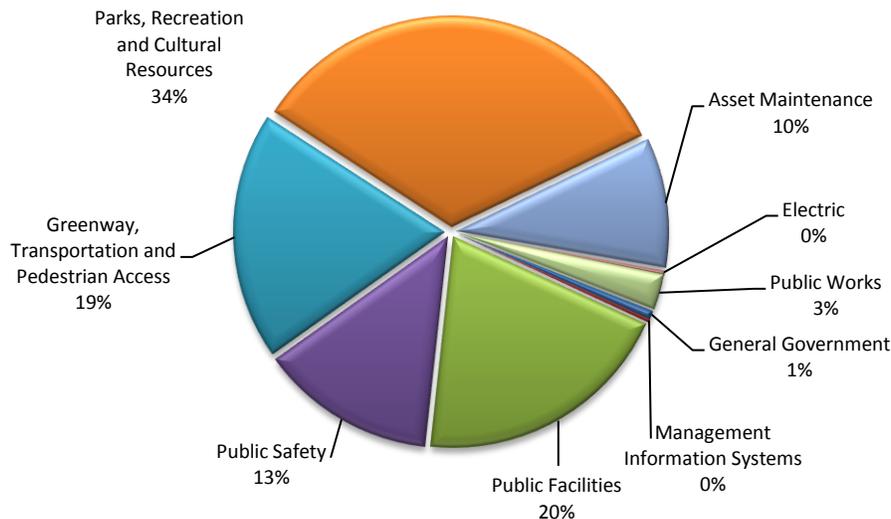
## FY 2016 – 2021 Capital Improvements Plan Update

### 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	2016-17	2017-2018	2018-2019	2019-2020	2020-2021	TOTAL
General Government	\$ 1,500	\$ 13,500	\$ 32,500	\$ 32,500	\$ 27,500	\$ 107,500
Management Information Systems	2,500	13,450	12,450	9,950	5,750	44,100
Public Facilities	22,650	759,150	784,400	794,400	795,900	3,156,500
Public Safety	236,300	381,300	502,800	538,550	464,550	2,123,500
Greenway, Transportation and Pedestrian Access	42,000	205,000	851,000	863,500	1,051,500	3,013,000
Parks, Recreation and Cultural Resources	6,500	224,050	1,351,050	1,359,100	2,393,150	5,333,850
Asset Maintenance	53,000	109,500	164,500	590,500	645,500	1,563,000
Electric	-	-	19,500	19,500	19,500	58,500
Public Works	27,300	72,900	93,400	187,900	144,400	429,900
	<u>\$ 391,750</u>	<u>\$ 1,778,850</u>	<u>\$ 3,811,600</u>	<u>\$ 4,395,900</u>	<u>\$ 5,547,750</u>	<u>\$ 15,829,850</u>

### 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, 2015**

**General Fund**

Installment Purchase	\$11,095,801
General Obligation Bonds	<u>16,085,000</u>
Total Tax-Supported Debt	<u>27,180,801</u>

**Electric Fund**

Revenue Bonds	2,922,827
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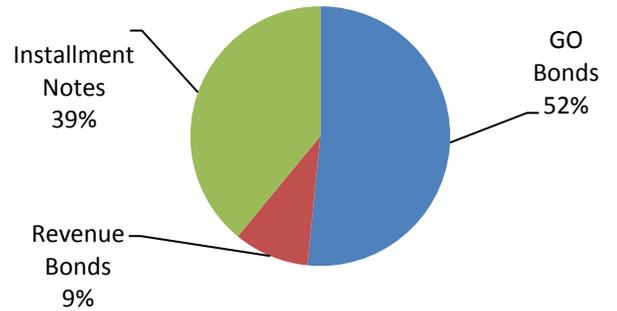
**Water and Sewer Fund**

1,075,011
-----------

**Total Debt Outstanding**

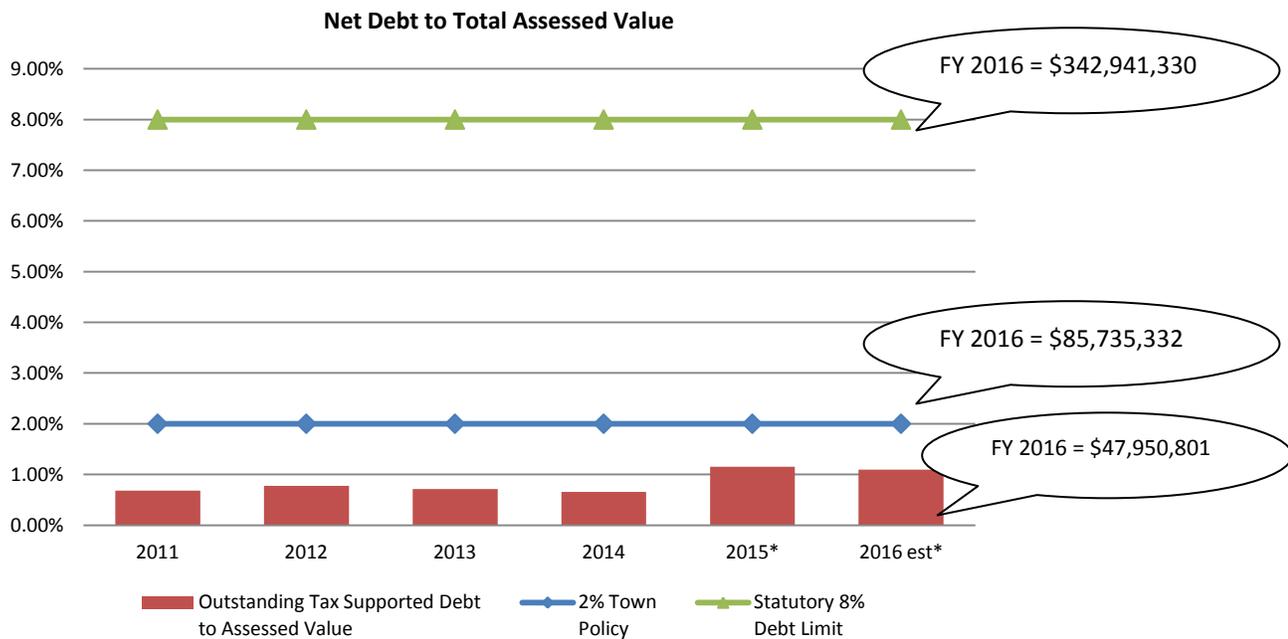
<u>\$31,178,639</u>
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**Outstanding Debt by Type of Issue**



\*Authorized but Unissued General Obligation Bonds \$20,770,000

\*\*Legal Debt Margin at June 30, 2015 is \$293,586,912



Capital Improvement Plan  
**GENERAL GOVERNMENT SUMMARY - BY PROJECT**

PROJECT TITLE	PRIORITY TYPE	PRIOR TO						FUTURE YEARS	TOTALS
		JULY 2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021		
1 Ailey Young House Rehabilitation	L-2	\$ 24,500	\$ 37,500	\$ 15,000	\$ 15,000	\$ 6,000	\$ 3,500	\$ -	\$ 101,500
2 Vehicle - Sports Utility Vehicle (Inspections)	M-3	-	30,000	-	-	-	-	-	30,000
3 Vehicle - Sports Utility Vehicle	M-4	-	-	48,000	-	-	-	-	48,000
4 Studio Upfit & Editing Equipment	M-3	-	-	-	60,000	-	-	-	60,000
5 Professional Video Camera and Field Gear	M-3	-	-	-	25,000	-	-	-	25,000
6 Downtown Streetscape Improvements	M-2	-	-	-	-	-	2,500,000	-	2,500,000
7 Construction of Fire Station and Apparatus	H-1	-	-	-	-	-	1,300,000	3,700,000	5,000,000
<b>TOTALS</b>		<b>\$ 24,500</b>	<b>\$ 67,500</b>	<b>\$ 63,000</b>	<b>\$ 100,000</b>	<b>\$ 6,000</b>	<b>\$ 3,803,500</b>	<b>\$ 3,700,000</b>	<b>\$ 7,764,500</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

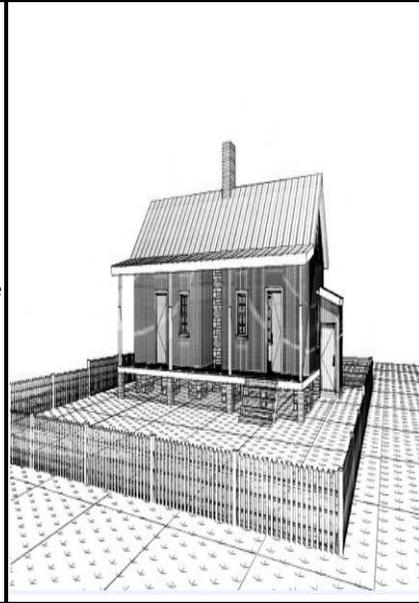
Note: Wake Forest Fire Department funding is determined by the Board of Commissioners, which explains reporting in General Government.

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> Planning	<b>SUBMITTED BY</b> Michelle Michael	<b>DEPARTMENTAL PRIORITY</b> Low
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<b>PROJECT TITLE</b>  <i>Ailey Young House Rehabilitation</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**  
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 in cooperation 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 years 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.



**JUSTIFICATION**  
The Ailey Young House is a designated 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 historically as the home of Ailey Young, who raised her ten 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 Ailey Young and her descendants. The house 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**  
None.

**OPERATING IMPACT/OTHER COMMENTS**  
Costs below are contingent on receipt of grants and approval from the Historic Preservation Commission. Costing estimate includes only construction not site improvement or signage. It will need to be updated.

<b>PROJECT STATUS</b>	Continuation - FY 2016
<i>Funds Approved to Date</i>	\$ 24,500
<i>Funds Expended to Date</i>	\$ 8,270

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Construction	\$ 21,270	\$ 30,000	\$ 15,000	\$ 15,000	\$ 6,000	\$ 2,000	\$ -
Equipment	410	-	-	-	-	-	-
Other	2,820	7,500	-	-	-	1,500	-
<b>Total Project Costs</b>	\$ 24,500	\$ 37,500	\$ 15,000	\$ 15,000	\$ 6,000	\$ 3,500	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 410	\$ 20,000	\$ 5,000	\$ 10,000	\$ 3,500	\$ 2,000	\$ -
Historic Preservation Commission	14,090	7,500	5,000	2,500	2,500	1,500	-
Grants -Stedman Incentive - Awarded	10,000	-	-	-	-	-	-
Grants - Future Application	-	10,000	5,000	2,500	-	-	-
<b>Total Funding Sources</b>	\$ 24,500	\$ 37,500	\$ 15,000	\$ 15,000	\$ 6,000	\$ 3,500	\$ -

**TOTAL PROJECT COST:** \$ 101,500

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> Inspections	<b>SUBMITTED BY</b> J.J. Carr	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Vehicle - Sports Utility Vehicle (SUV)	<b>TYPE OF PROJECT</b> <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;">X</td><td>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						

<p><b>PROJECT DESCRIPTION</b> Mid-size SUV</p> <p><b>JUSTIFICATION</b> Additional vehicle will be needed for a new position (Fire Inspector), if funded, due to increase in inspections.</p>	
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<b>PROJECT ALTERNATIVES</b> None.	<b>OPERATING IMPACT/OTHER COMMENTS</b> *Annual operating impact is approximately \$1,500.
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<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 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -
	-	-	-	-	-	-	-
<b>Total Project Costs</b>	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	30,000	-	-	-	-	-
<b>Total Funding Sources</b>	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:** \$ 30,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**

Public Works Administration

**SUBMITTED BY**

Mike Barton

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Sport Utility Vehicle*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

Sport Utility Vehicle

**JUSTIFICATION**

This vehicle will be primarily for use by the Public Works Director. However, due to the increasing number of training requirements for the Public Works and Electric department's this vehicle can also be used for related travel.



**PROJECT ALTERNATIVES**

Continue to borrow vehicles when needed.

**OPERATING IMPACT/OTHER COMMENTS**

Keeps all divisions fully equipped with vehicles.

**PROJECT STATUS**

New Project - FY 2017

*Funds Approved to Date*

\$ -

*Funds Expended to Date*

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ 48,000	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
Total Project Costs	\$ -	\$ -	\$ 48,000	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	-	48,000	-	-	-	-
Total Funding Sources	\$ -	\$ -	\$ 48,000	\$ -	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:**

**\$ 48,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Communications	<b>SUBMITTED BY</b> Bill Crabtree	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Studio Upfit & Editing Equipment	<b>TYPE OF PROJECT</b>
	1 - Health/Safety/Welfare
	2 - Maintenance/Replacement
	<b>X</b> 3 - Existing Programs Expansion
	4 - New Program

**PROJECT DESCRIPTION**  
Purchase and installation of cameras and other recording equipment for use in the Town Hall studio.

- \*Mac Pro Workstation with enough Ram and Hard Drives
- \*Apple Monitors (2)
- \*HDTV Monitor
- \*Black Magic Capture Card
- \*Hard Drive Raid Array
- \*Mackie Audio Mixer
- \*Alesis Studio Monitors (Audio Speakers)
- \*Final Cut Pro Studio Software
- \*Adobe CS Production Bundle (After Effects, Photoshop and other software)
- \*Other software and graphics/filter plug-ins
- \*Miscellaneous Cable, Connectors, hard drives, card readers, etc.
- \*Editing Equipment

**JUSTIFICATION**  
A room was originally set aside in the new Town Hall to be used for recording interviews, possible talk shows, roundtable discussions, training exercises, etc. Costs include software, backdrop, lighting, acoustical treatments (soundproof walls), DVD recorder, audio monitors, camera, wired microphone system, and furniture.



**PROJECT ALTERNATIVES**  
Continue contracting service.

**OPERATING IMPACT/OTHER COMMENTS**  
The editing equipment should be our number one priority. The studio upfit can wait, but the editing equipment is a must if we are going to pursue in-house video production.

<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 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ -
Construction	-	-	-	15,000	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ 60,000		\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**  
Communications

**SUBMITTED BY**  
Bill Crabtree

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
Professional Video Camera and Field Gear

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

**PROJECT DESCRIPTION**  
Purchase professional quality video camera for taping of Focus on Wake Forest as well as other events around Town.  
Other items include:  
\*Canon EOS 5D Markiii  
\*Cartoni - Focus Tripod System  
\*SmallHD HDMI Monitor  
\*Tascam DR-100 Audio Recorder  
\*Sennheiser Wireless Lav Package  
\*Sennheiser Shotgun Mic  
\*KTek Boom pole  
\*Arri Softbank Tungsten Light Kit  
\*Matthews Century Stands  
\*Sandbags  
\*Flag Kit  
\*Miscellaneous cables, connectors, tape, compact flash cards, cases, boxes, and expendables like color correction gel, black wrap, clamps and ties, and other relative equipment

**JUSTIFICATION**  
Currently, we contract for the filming of Focus on Wake Forest and other events. Staff is recommending to bring this function in house, hire respective personnel and purchase a Town owned camera and other gear.



**PROJECT ALTERNATIVES**  
Continue with outside contractor.

**OPERATING IMPACT/OTHER COMMENTS**  
Video editing software. Personnel costs due to the addition of a Video Technician in the Communications department.

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

Continuation - FY 2014	\$ -
------------------------	------

*Funds Expended to Date*

\$ -
------

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	25,000	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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

**TOWN OF WAKE FOREST  
 CAPITAL IMPROVEMENTS PROGRAM  
 CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Downtown Development	<b>SUBMITTED BY</b> Lisa Hayes	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b> Downtown Streetscape Improvements: Owen Avenue, Jones Avenue and Brooks Street	<b>TYPE OF PROJECT</b>
	1 - Health/Safety/Welfare
	<b>X</b> 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. Waterline replacement and pavement milling/resurfacing along project corridor are also included in these phases.

**JUSTIFICATION**  
 Support 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.



<b>PROJECT ALTERNATIVES</b> *Split up phasing of construction over several fiscal years. *Phase 1 - \$1,000,000 - improvements on Owen and Jones *Phase 2 - \$1,000,000 - improvements on Brooks *Look for cost savings during construction, alternative materials, use of stockpiled pavers in PW	<b>OPERATING IMPACT/OTHER COMMENTS</b> Minor operating costs after completion for maintenance and landscaping.
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<b>PROJECT STATUS</b> <i>Funds Approved to Date</i>	New Project - FY 2017 \$ -	<i>Funds Expended to Date</i>	\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -
Construction	-	-	-	-	-	2,175,000	-
Other - PAC	-	-	-	-	-	25,000	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,500,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	-	-	-	-	2,500,000	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,500,000</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 2,500,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2015-2020**

**DEPARTMENT**

Wake Forest Fire Department

**SUBMITTED BY**

Chief Ron Early

**DEPARTMENTAL PRIORITY**

High

**PROJECT TITLE**

*Construction of Fire Station and Apparatus*

**TYPE OF PROJECT**

- |   |                                 |
|---|---------------------------------|
| 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 and add a staffed engine company, approximately FY 2023 -2025.

**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.



**PROJECT ALTERNATIVES**

No alternative.

**OPERATING IMPACT/OTHER COMMENTS**

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 2023-2025. We hope that impact will cover the cost of apparatus and the building. Personnel cost will be evaluated.

**PROJECT STATUS**

*Funds Approved to Date*

New Project - FY 2017
\$ -

*Funds Expended to Date*

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 187,000
Construction	-	-	-	-	-	-	2,900,000
Equipment	-	-	-	-	-	1,300,000	613,000
Contingency	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,300,000</b>	<b>\$ 3,700,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fire Impact Fees	-	-	-	-	-	1,300,000	3,700,000
WF Fire - Loan	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,300,000</b>	<b>\$ 3,700,000</b>

**TOTAL PROJECT COST:**

**\$ 5,000,000**

Capital Improvement Plan  
**MANAGEMENT INFORMATION SYSTEMS SUMMARY - BY PROJECT**

PROJECT TITLE	PRIORITY	PRIOR TO						FUTURE	TOTALS
	TYPE	JULY 2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	YEARS	
1 VOIP Hardware Refresh	H - 2	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
2 Software Upgrades and Enhancements (Gen. Gov.)	H - 2	-	129,000	143,000	35,000	25,000	25,000	870,000	1,227,000
3 License Fees and Software Upgrades (Police)	M-3	20,000	32,000	35,000	35,000	40,000	40,000	-	202,000
4 Wireless Internet Access - Digital Kiosk	M - 4	-	75,000	-	-	-	-	-	75,000
5 OSSI Systems Refresh	H - 2	-	-	30,000	-	-	-	-	30,000
6 System Center Configuration Manager	M - 4	-	-	35,000	-	-	-	-	35,000
7 Vehicle - Addition	L - 4	-	-	28,000	-	-	-	-	28,000
8 Server Virtualization Platform	H - 4	-	-	-	200,000	-	-	-	200,000
9 Microsoft Volume Licensing	M - 4	-	-	-	-	100,000	100,000	100,000	300,000
10 Network/Server Infrastructure Upgrade	H - 2	-	-	-	-	-	200,000	-	200,000
11 Data Storage	H - 2	-	-	-	-	-	60,000	-	60,000
12 MS Exchange System Upgrade	H - 2	-	-	-	-	-	60,000	-	60,000
13 Network Multifunction Printers	H - 2	-	-	-	-	-	150,000	-	150,000
<b>TOTALS</b>		<b>\$ 20,000</b>	<b>\$ 361,000</b>	<b>\$ 271,000</b>	<b>\$ 270,000</b>	<b>\$ 165,000</b>	<b>\$ 635,000</b>	<b>\$ 970,000</b>	<b>\$ 2,692,000</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 2016 - 2021**

<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
MIS	Tom LaBarge	High

<b>PROJECT TITLE</b>	<b>TYPE OF PROJECT</b>								
VOIP Hardware Refresh	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;"></td><td>1 - Health/Safety/Welfare</td></tr> <tr><td style="text-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**  
Upgrade existing VoIP hardware and related networking gear.

**JUSTIFICATION**

1. Hardware will be 6+ years old.
2. Four (4) to five (5) year life cycle replacement of VoIP infrastructure equipment.
3. Business Continuity: As network equipment ages; reliability, stability and performance will become an issue.
4. A hardware failure would have an immediate impact on employee productivity and services provided to our citizens.
5. Upgraded software and hardware will increase performance along with enhanced functionality over current systems.



**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.

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

Funds Expended to Date \$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	125,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>				

**TOTAL PROJECT COST: \$ 125,000**

**TOWN OF WAKE FOREST  
 CAPITAL IMPROVEMENTS PROGRAM  
 CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
MIS	Tom LaBarge	High

<b>PROJECT TITLE</b>	<b>TYPE OF PROJECT</b>								
Software Upgrades and Enhancements	<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**

1) Upgrades - purchase enhanced software modules as released to coincide with fully integrated software system.  
 2) Internal Communication/Intranet/Document Management - purchase software to assist town in internal communications and an enhanced document management system.  
 3) Integrated Enterprise Software - procurement of new fully integrated enterprise software.  
 4) Performance Management Software System - software to decrease time spent on managing employee and 360 appraisals through activity tracker, automated email reminders, dashboard analytics, job description builder and real-time reporting.

**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) This software will allow for a secure place to store, organize, share and access information. The Town currently has SharePoint Foundations, which is a free version with limited capabilities. With this software users will be able to collaborate and engage with other to share ideas, work on assignments, view calendar dates, make announcement and access policies, procedures and other forms. It will also enhance how user work as a team.  
 3) Per Town standards, software maintains a useful life of ten (10) years. The Town went live with our current software application in FY 2009. This integration facilitates sufficient fiscal oversight, monitoring and built-in audit controls.  
 4) System will provide managers and employees with helpful feedback on development, performance and progress. Allowing employees easy access to develop and manage their careers. It also supports effective and performance focused one-on-one meetings and applicant tracking software.

**PROJECT ALTERNATIVES**

2016 - 2017: Internal communication/intranet  
 2016 - 2017: HR performance system  
 2017 - 2018: Document management system  
 Upgrades: annually projected

**OPERATING IMPACT/OTHER COMMENTS**

\*Travel and training to attend conferences  
 \*Annual software maintenance and support

**PROJECT STATUS**

Funds Approved to Date

Continuation - FY 2016
\$ -

Funds Expended to Date

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 129,000	\$ 141,000	\$ 35,000	\$ 25,000	\$ 25,000	\$ 800,000
Equipment	-	-	-	-	-	-	70,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 129,000</b>	<b>\$ 141,000</b>	<b>\$ 35,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 870,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 129,000	\$ 141,000	\$ 35,000	\$ 25,000	\$ 25,000	\$ 550,000
Capital Reserve	-	-	-	-	-	-	320,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 129,000</b>	<b>\$ 141,000</b>	<b>\$ 35,000</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>	<b>\$ 870,000</b>

**TOTAL PROJECT COST: \$ 1,225,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
MIS

**SUBMITTED BY**  
Tom LaBarge/Jeffrey Leonard

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
*License Fees and Software Upgrades*

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

**PROJECT DESCRIPTION**  
Allow for software upgrades and license fees for new officers.

**JUSTIFICATION**  
As software improves and new features are added the new features could enhance and improve our current system. We also have to purchase new licenses as we add employees.



**PROJECT ALTERNATIVES**  
Not add any new features to our current system and not add new officers to the system.

**OPERATING IMPACT/OTHER COMMENTS**  
In order for new officers to access the system and stay legal we will have to continually add new licenses.

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

Continuation - FY 2015	
\$	20,000

*Funds Expended to Date*      \$ 1,857

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ 20,000	\$ 32,000	\$ 35,000	\$ 35,000	\$ 40,000	\$ 40,000	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ 20,000</b>	<b>\$ 32,000</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 20,000	\$ 32,000	\$ 35,000	\$ 35,000	\$ 40,000	\$ 40,000	\$ -
Asset Forfeiture Funds*	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ 20,000</b>	<b>\$ 32,000</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**      **\$ 202,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> MIS	<b>SUBMITTED BY</b> Tom LaBarge	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Wireless Internet Access - Digital Kiosk	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare 2 - Maintenance/Replacement 3 - Existing Programs Expansion X 4 - New Program
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**PROJECT DESCRIPTION**  
Provide free wireless internet access to specific areas of town.

**JUSTIFICATION**

1. BOC has expressed an interest in providing wireless internet access to citizens in the downtown (S. White St.) area.
2. Another option may be to integrate wireless technology with digital signage kiosks. These kiosks could be situated in a few key downtown\renaissance areas. Besides providing Wi-Fi, the kiosks would provide additional visual information such as: store names and locations, public events, civic promotions, parking locations, town events, weather forecast, etc.
3. The Technology Advisory Board (TAB) recommends that the Board of Commissioners proceed with this project.



**PROJECT ALTERNATIVES**  
None.

**OPERATING IMPACT/OTHER COMMENTS**  
Actual costs for project will depend on hardware selected and site selections.  
  
\*There are remaining S. White Street funds that could potentially be used to fund this project.

**PROJECT STATUS**  
Funds Approved to Date

Continuation - FY 2016	\$ -
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Funds Expended to Date

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DMSD	-	75,000	-	-	-	-	-
Installment Purchase	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>				

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

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> MIS	<b>SUBMITTED BY</b> Tom LaBarge	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  OSSI SYSTEMS REFRESH	<b>TYPE OF PROJECT</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </td><td>1 - Health/Safety/Welfare</td></tr> <tr><td style="text-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**  
Upgrade existing OSSI hardware and operating systems.

**JUSTIFICATION**

1. 5 year life cycle replacement of OSSI hardware.
2. Business Continuity: As equipment ages; reliability, stability and performance will become an issue.
3. A hardware failure would have an immediate impact on employee productivity and public safety.
4. Upgrade of hardware and operating system will add new features and increase performance over current system.



**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 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -
	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

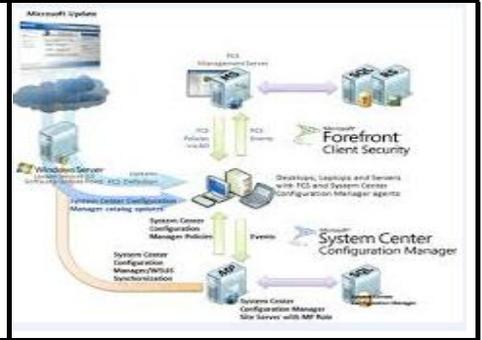
**TOTAL PROJECT COST:** **\$ 30,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> MIS	<b>SUBMITTED BY</b> Tom LaBarge	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  System Center Configuration Manager (SCCM)	<b>TYPE OF PROJECT</b>
	1 - Health/Safety/Welfare
	2 - Maintenance/Replacement
	3 - Existing Programs Expansion
	<b>X</b> 4 - New Program

**PROJECT DESCRIPTION**  
System Center Configuration Manager will allow for centralized management of several IT support services. SCCM includes the following components: Operations Manager, Configuration Manager, Data Protection Manager, Service Manager, Virtual Machine Manager, Endpoint Protection, Orchestrator, App Controller.



**JUSTIFICATION**  
We currently manage network resources using several standalone applications. SCCM will allow us to manage PCs, servers, and mobile devices from a single management console.

**PROJECT ALTERNATIVES**  
Maintain current systems and applications.

**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	<b>Funds Expended to Date</b>	\$ -
<i>Funds Approved to Date</i>	\$ -		

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ 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 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 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 2016 - 2021**

<b>DEPARTMENT</b> MIS	<b>SUBMITTED BY</b> Tom LaBarge	<b>DEPARTMENTAL PRIORITY</b> Low
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<b>PROJECT TITLE</b>  MIS Department Vehicle	<b>TYPE OF PROJECT</b> <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>3 - Existing Programs Expansion</td></tr> <tr><td><input checked="" type="checkbox"/> 4 - New Program</td></tr> </table>	1 - Health/Safety/Welfare	2 - Maintenance/Replacement	3 - Existing Programs Expansion	<input checked="" type="checkbox"/> 4 - New Program
1 - Health/Safety/Welfare					
2 - Maintenance/Replacement					
3 - Existing Programs Expansion					
<input checked="" type="checkbox"/> 4 - New Program					

<b>PROJECT DESCRIPTION</b> Purchase vehicle for MIS departmental use.	
<b>JUSTIFICATION</b> Vehicle will be used for: <ol style="list-style-type: none"> <li>1. Move computer and technology related equipment between sites.</li> <li>2. Remote site visits for equipment repair and maintenance.</li> <li>3. Transportation to and from workshops, seminars, conferences, symposiums.</li> <li>4. Miscellaneous errands.</li> </ol>	

<b>PROJECT ALTERNATIVES</b> Personal vehicle or borrow from another department.	<b>OPERATING IMPACT/OTHER COMMENTS</b> Normal vehicle maintenance.
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<b>PROJECT STATUS</b>	Continuation - FY 2015		
<i>Funds Approved to Date</i>	\$ -	<i>Funds Expended to Date</i>	\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	-	30,000	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** **\$ 30,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

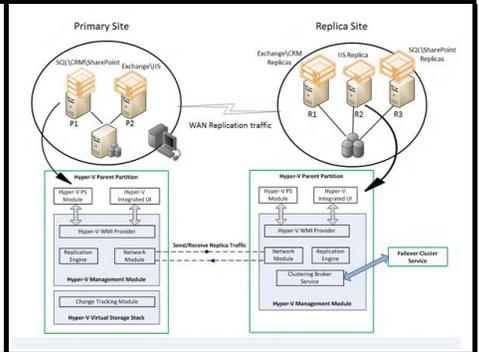
<b>DEPARTMENT</b> MIS	<b>SUBMITTED BY</b> Tom LaBarge	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Server Virtualization Platform	<b>TYPE OF PROJECT</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </td><td>1 - 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 style="text-align: center;">X</td><td>4 - New Program</td></tr> </table>		1 - Health/Safety/Welfare		2 - Maintenance/Replacement		3 - Existing Programs Expansion	X	4 - New Program
	1 - Health/Safety/Welfare								
	2 - Maintenance/Replacement								
	3 - Existing Programs Expansion								
X	4 - New Program								

**PROJECT DESCRIPTION**  
Implementation of a virtualized server hardware/software platform.

**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 systems and applications.

**OPERATING IMPACT/OTHER COMMENTS**

Extended service maintenance will be purchased on the front end included in the requested budget.

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

Continuation - FY 2016	-
\$	-

*Funds Expended to Date*

	-
\$	-

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> MIS	<b>SUBMITTED BY</b> Tom LaBarge	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Microsoft Volume Licensing	<b>TYPE OF PROJECT</b>
	1 - Health/Safety/Welfare
	2 - Maintenance/Replacement
	3 - Existing Programs Expansion
	<input checked="" type="checkbox"/> 4 - New Program

**PROJECT DESCRIPTION**  
Consolidate Microsoft desktop, server, and application licensing to a single enterprise license structure.

**JUSTIFICATION**

1. Possible 15% to 45% savings over 3 or more years.
2. Access to the latest MS operating system or MS application as needed with no additional service charge.
3. Improved licensing management.



**PROJECT ALTERNATIVES**

Maintain current systems and applications.

**OPERATING IMPACT/OTHER COMMENTS**

None.

<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 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>

**TOTAL PROJECT COST:** **\$ 300,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
MIS	Tom LaBarge	High

<b>PROJECT TITLE</b>	<b>TYPE OF PROJECT</b>								
Network/Server Infrastructure Upgrade	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20px;"></td><td>1 - Health/Safety/Welfare</td></tr> <tr><td style="text-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**  
Upgrade existing network switches, ASA firewalls, and related equipment.

**JUSTIFICATION**

1. Four (4) to five (5) year life cycle replacement of network infrastructure equipment.
2. Business Continuity: As network equipment ages; reliability, stability and performance will become an issue.
3. A hardware failure would have an immediate impact on employee productivity and services provided to our citizens.
4. Upgraded software and hardware will increase performance along with enhanced functionality over current systems.



**PROJECT ALTERNATIVES**

Maintain current system and application.

**OPERATING IMPACT/OTHER COMMENTS**

Extended service maintenance will be purchased on the front end where possible. Network hardware could have an annual maintenance of \$5,000-10,000.

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 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 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -
Installment Purchase	-	-	-	-	-	-	-
<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 2016 - 2021**

<b>DEPARTMENT</b> MIS	<b>SUBMITTED BY</b> Tom LaBarge	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Data Storage System	<b>TYPE OF PROJECT</b>
	1 - Health/Safety/Welfare
	2 - Maintenance/Replacement
	3 - Existing Programs Expansion
	<input checked="" type="checkbox"/> 4 - New Program

<b>PROJECT DESCRIPTION</b> Implementation of an updated Data Storage System.	
<b>JUSTIFICATION</b> 1. New data storage system will have enhanced features and increased performance over current system. 2. Business Continuity: Demands on data storage continue to increase every year. Current system is backing up approximately 7+ terra bytes of data for disaster recovery purposes.	

<b>PROJECT ALTERNATIVES</b> Maintain current system and application.	<b>OPERATING IMPACT/OTHER COMMENTS</b> Extended service maintenance will be purchased on the front end included in the requested budget.
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<b>PROJECT STATUS</b>	New Project - FY 2017		
Funds Approved to Date	\$ -	Funds Expended to Date	\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -
Installment Purchase	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>

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

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> MIS	<b>SUBMITTED BY</b> Tom LaBarge	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Microsoft Exchange System Upgrade	<b>TYPE OF PROJECT</b>
	1 -Health/Safety/Welfare
	<input checked="" type="checkbox"/> 2 - Maintenance/Replacement
	3 - Existing Programs Expansion
	4 - New Program

<p><b>PROJECT DESCRIPTION</b> Upgrade existing Microsoft Exchange 2016 e-mail\messaging system.</p> <p><b>JUSTIFICATION</b></p> <ol style="list-style-type: none"> <li>1. 5 year life cycle replacement of exchange messaging application and equipment.</li> <li>2. Business Continuity: As equipment ages; reliability, stability and performance will become an issue.</li> <li>3. A hardware failure would have an immediate impact on employee productivity and services.</li> <li>4. Upgrade of application and hardware will have new features and increased performance over current system.</li> </ol>	
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<b>PROJECT ALTERNATIVES</b> Maintain current system and application.	<b>OPERATING IMPACT/OTHER COMMENTS</b> Extended service maintenance will be purchased on the front end included in the requested budget.
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<b>PROJECT STATUS</b> <i>Funds Approved to Date</i>	<b>New Project - FY 2017</b> \$ -
<i>Funds Expended to Date</i>	\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -
Installment Purchase	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ -</b>

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

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> MIS	<b>SUBMITTED BY</b> Tom LaBarge	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Network Multifunction Printers	<b>TYPE OF PROJECT</b>								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20px;"></td><td>1 - Health/Safety/Welfare</td></tr> <tr><td style="text-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**  
Refresh of existing networked multifunctional printers. Refresh of large format plotter\scanner used for GIS and map creation.

**JUSTIFICATION**

1. 5 year life cycle replacement of networked print devices.
2. Business Continuity: As equipment ages; reliability, stability and performance will become an issue.
3. A hardware failure would have an immediate impact on employee productivity and services.
4. Upgrade of hardware will have new features and increased performance over current systems.



**PROJECT ALTERNATIVES**

Maintain current systems.

**OPERATING IMPACT/OTHER COMMENTS**

\*MFP's service and supplies are covered by a cost per copy.  
 \*Departments are charged for copies made. Plotter will have extended service maintenance purchased on the front end.  
 \*Will be replacing existing equipment:  
 A) 2 - large format plotter @ \$25k  
 B) 20 - 26 MFPs @ \$65k

**PROJECT STATUS**  
Funds Approved to Date

New Project - FY 2017
\$ -

Funds Expended to Date

\$ -
------

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -
Installment Purchase	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>

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

Capital Improvement Plan  
PUBLIC FACILITIES SUMMARY - BY PROJECT

PROJECT TITLE	PRIORITY TYPE	PRIOR TO						FUTURE YEARS	TOTALS
		JULY 2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021		
1 Security Alarms, Cameras, and Door Access	H-1	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
2 Economy Small Vans	M-3	-	75,000	-	-	-	-	-	75,000
3 Generator for 317 Brooks Street	H-3	-	-	53,500	-	-	-	-	53,500
4 <b>Senior Center Expansion</b>	H-3	-	1,300,000	1,800,000	-	-	-	-	3,100,000
5 Renaissance Centre Renovations Phase 1-3	M-3	230,000	302,000	300,000	-	293,000	-	-	1,125,000
6 Gateways, Interchanges, and Intersections	M-3	55,000	80,000	80,000	85,000	85,000	90,000	90,000	565,000
7 Operations Center Expansion	H-3	50,000	150,000	707,000	7,221,500	-	-	-	8,128,500
8 Evidence Room At Main Police Station	M-3	-	-	10,000	190,000	-	-	-	200,000
9 Flaherty Community Center Office	M-3	-	-	25,500	202,000	-	-	-	227,500
10 Parks and Recreation Equipment Shelter	M-3	-	-	76,000	-	-	-	-	76,000
11 Parks and Recreation Maintenance Parking	M-3	-	-	85,000	-	-	-	-	85,000
12 Pave Owen Avenue Parking Lot	M-3	-	-	200,000	-	-	-	-	200,000
13 Park Restroom Facilities	M-3	-	-	-	15,250	101,000	15,250	252,500	384,000
14 New Police Department	M-3	-	-	-	-	-	-	21,159,500	21,159,500
15 Parks and Recreation Maintenance Building #2	M-3	-	-	-	-	-	-	470,000	470,000
<b>TOTALS</b>		<b>\$ 335,000</b>	<b>\$ 2,032,000</b>	<b>\$ 3,337,000</b>	<b>\$ 7,713,750</b>	<b>\$ 479,000</b>	<b>\$ 105,250</b>	<b>\$ 21,972,000</b>	<b>\$ 35,974,000</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: This department includes \$3.1M of \$14.2M approved in the 2014 bond referendum funds allocated for Parks and Recreation.

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**

Public Facilities

**SUBMITTED BY**

Mickey Rochelle

**DEPARTMENTAL PRIORITY**

High

**PROJECT TITLE**

*Security systems for Flaherty Community Center, Holding Community House, and Parks and Recreation. Door access for balance of buildings*

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

**PROJECT DESCRIPTION**  
Install security alarms, cameras, and card access at Flaherty, Holding Community House, and Parks and Recreation Maintenance Shop. Install card access at remaining buildings. Access first year and security afterwards.

**JUSTIFICATION**  
Security protection is needed at these locations for safety and asset protection. There are town personnel and equipment at these locations. The cameras will be a deterrent and will provide identification of vandals and/or thieves. Police will have direct access to cameras. This will provide a defense in event of a claims arising from a rental, event, etc. Card access will eliminate door keys being issued to employees and subcontractors, thereby eliminating access after termination or completion of a job.



**PROJECT ALTERNATIVES**

- 1) Continue to allow employees to handle money without any security methods in place.
- 2) Allow assets to stay on yard with no surveillance.
- 3) Continue issuing keys to employees and contractors.

**OPERATING IMPACT/OTHER COMMENTS**

- 1) Maintenance fees monthly.
- 2) Reduce risk of loss.
- 3) Increased safety after projects are completed.
- 4) Increased safety after termination of employees and contractors such as custodians.

**PROJECT STATUS**

Continuation - FY 2014
Funds Approved to Date
\$ -

Funds Expended to Date

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Project Costs</b>	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:** \$ 125,000



Town of Wake Forest  
Mickey Rochelle, [mrochelle@wakeforestnc.gov](mailto:mrochelle@wakeforestnc.gov) 919-435-9455  
301 South Brook Street  
Wake Forest, NC 27587

July 30, 2015

**RE: Access Control System for Town Facilities**

Wilmington  
Raleigh  
Charlotte

T 910.452.7236  
C 704.902.6938

ICT Protege Access Control Board w/ Main Controller and battery backup  
1 Professional Software package with 3 license for administration  
Door Control Modules as needed for each access door  
Door contacts for door ajar notification installed/connected  
Access Doors will have new proximity readers as necessary to be installed, programmed and connected  
Electrified hardware/strikes provided and installed to provide entry/exit functionality as needed for designated access doors  
5,000 feet of access control system wiring will be installed/utilized by ASG  
Installation, labor, programming, wiring, and training as required

- Security/Fire
- Camera/Video
- Access Control
- Locks/Safes
- Door Services
- IT Security
- ID Systems
- Time/Attendance

This fully functional access control system will allow administration to add and delete credentials, as well as set schedules for door operation based on the authority levels assigned to system users, all being done through software provided by ASG. Administration will be allowed to generate activity reports on door use and track door operators with generated audit trails. System will provide built-in security system integration. System also offers video integration for future camera system projects.

**ASG Full Maintenance (FM) Plan**

Provides 24 hour software and tech support, free software/firmware updates, software registration and license fees, parts and labor are covered 100% for repair/replacement, annual inspection with system adjustments and priority service response times

**Locations:**

**Street Dept (2 doors): \$6,572**

FM: \$89/month

**Garage (2 doors): \$6,421**

FM: \$88/month

**Senior Center (2 doors): \$6,714**

FM: \$94/month



**Renaissance Center (2 doors): \$6,617**

FM: \$89/month

**Facilities Operations (2 doors): \$6,456**

FM: \$84/month

**Facilities Maintenance Warehouse (2 doors): \$6,440**

FM: \$89/month

**CID: (1door) \$3,643**

FM: \$49/month

**Alston Massenberg (1 door) \$3,514**

FM: \$49/month

**Flaherty Community Center (1 door) \$3,403**

FM: \$49/month

**Parks and Recreation Maintenance (2 doors): \$6,240**

FM: \$89/month

**Police Station #3 (1 door) \$3,641**

FM: \$49/month

**OPTION 1:** Individual Locations: 10% discount system purchases through December 31, 2015

**OPTION 2:** All Locations: \$59,661

**20% system discount for total estimate: \$47,728**

FM: \$818/month

**10% FM service discount for total estimate: \$736/month**

Submitted by Roger Parks



**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Facilities

**SUBMITTED BY**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
Vehicle - Small Van (3)

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

**PROJECT DESCRIPTION**  
Purchase three small (3) vans for custodial staff. These vans would be the compact four (4) cylinder v-compact.

**JUSTIFICATION**  
Town staff is currently exploring its option relating to the cleaning services. One suggestion would be to bring staff in-house. The vans would allow for 2 crews for the public buildings and 1 crew for the park restrooms, for which we are responsible for maintenance, as well as weekend building cleaning.



**PROJECT ALTERNATIVES**  
Re-bid contract

**OPERATING IMPACT/OTHER COMMENTS**

- 1) Allow management more ownership and direct control over staffing.
- 2) Ability to change schedules for special events and for special accommodations.
- 3) Full time staff for buildings and part time staff for other.

**PROJECT STATUS**  
Funds Approved to Date

New Project - FY 2017
\$ -

Funds Expended to Date

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Project Costs</b>	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:**

\$ 75,000
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**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**

Public Facilities

**SUBMITTED BY**

Mickey Rochelle

**DEPARTMENTAL PRIORITY**

High

**PROJECT TITLE**

*Generator for 317 Brooks Street- Facilities Building*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

Install 94 KW generator to operate entire facility building

**JUSTIFICATION**

In the event of bad weather employees often need to stay overnight. This building has a kitchen, showers, and room for air mattresses to be placed in the shop for 10 to 12 people. Parks and Recreation has already confirmed they want to stay at the Facilities Building in the event of severe weather. The generator would keep the heat and lights on for those employees in the building if the event knocked power out.



**PROJECT ALTERNATIVES**

\*Stay in Town Hall or go to Operations Center

**OPERATING IMPACT/OTHER COMMENTS**

\*Place for employees to stay and rest in event of severe weather forecast.  
\*This building cannot be connected to the current Town Hall generator because it uses a different voltage.

**PROJECT STATUS**

New Project - FY 2017

*Funds Approved to Date*

\$ -

*Funds Expended to Date*

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ 3,500	\$ -	\$ -	\$ -	\$ -
Equipment	-	-	50,000	-	-	-	-
Contingency	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 53,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 53,500	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 53,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**\$ 53,500**



**POWER PRO-TECH**  
SERVICES

377 Maitland Ave., Suite 1010  
Altamonte Springs, FL 32701

**TOLL FREE: 1-800-437-4474**

**[www.PowerProTech.com](http://www.PowerProTech.com)**

Power Pro-Tech Services is pleased to submit the following proposal for equipment needed at 317 Brooks St Wake Forest, NC. If you have any questions regarding any portion of this proposal please contact Travis White at 910-612-8994 or email at [travis.white@powerprotech.com](mailto:travis.white@powerprotech.com).

### **Scope of Service**

- Power Pro-Tech Services will provide a turnkey generator, automatic transfer switch and install price for a 94kw system .
- This proposal is based on work being performed in conjunction with the Town of Wake Forest.

### **Delivery:**

- Actual site work will be during mutually agreed upon times to tentatively begin on ?. Scheduling will be dependent upon equipment receipt.

### **Power Pro-Tech Responsibilities:**

- Provide equipment,service and materials as described above.

### **Customer Responsibilities:**

- Provide free and clear access to equipment to be serviced.
- Provide de-energization of equipment and lock-out tag-out procedures.

### **Pricing Schedule:**

Price for 94kw Natural Gas Generator	\$29,361.80 New
Price for used 94kw unit	\$18,799.00 Used Option
400amp automatic transfer switch	\$2,344.16 New
Install of above equipment	\$12,420.00 includes all permits

### **Exceptions:**

Exceptions and / or clarifications to the bid specifications are as follows:

- Taxes are not included in this proposal.
- Freight is not included in this proposal.

### **Mission Statement**

*To Offer the Highest Quality Service and Most Compelling Economic Value to Companies that Rely on Emergency Power to Protect & Preserve the Welfare of their Customers, Employees and Business.*

- The price is based on work schedule noted in the Scope of Work.
- All pricing included in this proposal is valid for 30 days from the 12/2/15. If customer accepts this proposal after 30 days from the date in the previous sentence, Power Pro-Tech Services will revise the proposal if required prior to accepting the order.

**Delays:**

- All work is to be performed on a continuous basis without any unnecessary delays. In the event that the on-site work is delayed due to action beyond Power Pro-Tech Service's control. Power Pro-Tech Services will charge for the additional personnel time and expenses in accordance with currently published time and material rates.

**Order Placement:**

- If you would like to place an order for these repairs, please submit your purchase order made out to Power Pro-Tech Services by email to [travis.white@powerprotech.com](mailto:travis.white@powerprotech.com)
- **Your Company Name and Billing Address**
- **Job Site Location Details** (Company Name and Street Address)
- **Job Site Contact Details** (Contact Name, Telephone Number, & Email Address, if available)

Sincerely,  
Travis White

Travis White / Project Manager | **POWER PRO-TECH SERVICES, INC.**

Office: 910-253-0484 | Cell: 910-612-8994 | Email: [travis.white@powerprotech.com](mailto:travis.white@powerprotech.com)



**Carolina Operations:**

6361 Ocean HWY East

Winnabow, NC. 28479

[www.powerprotech.com](http://www.powerprotech.com)

Florida - Georgia - Alabama - Louisiana - Mississippi - Texas - Oklahoma - Arkansas -  
Tennessee - Kentucky - West Virginia - Maryland - Virginia - North Carolina - South Carolina

TOLL FREE: 1-800-437-4474

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**

Public Facilities

**SUBMITTED BY**

Mickey Rochelle

**DEPARTMENTAL PRIORITY**

High

PROJECT TITLE
<i>Senior Center Expansion and Roof Replacement</i>

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

**PROJECT DESCRIPTION**  
This project is to complete Phase II and III of the Northern Wake Senior Center.

**JUSTIFICATION**  
The Senior Center Advisory Board recommended to the Town Board that a feasibility report for the center be completed based on growth and use projections. The report included three phases of expansion.  
Phase 1 was completed in FY 2009-2010.  
Phase 2 would consist of the exercise room addition. As well as, the roof replacement for the existing facility. The shingles are 22 years old and are beginning to show sign of deterioration.  
Phase 3 would consist of the multipurpose room addition.



**PROJECT ALTERNATIVES**

Limit use of the center and rent other space if more use is desired.

**OPERATING IMPACT/OTHER COMMENTS**

1) Additional utility cost.  
2) More cars with little room to park.  
3) The center expansion would accommodate more participants, thereby making it less crowded.

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2014
\$ 3,100,000

*Funds Expended to Date*

\$ 8,450
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	987,000	1,782,000	-	-	-	-
Other- 1% PAC	-	13,000	18,000	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 1,300,000</b>	<b>\$ 1,800,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GO Bonds - Current Referendum	-	1,300,000	1,800,000	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 1,300,000</b>	<b>\$ 1,800,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 3,100,000**

## Phase 1: Classroom Addition

The Expansion Subcommittee Report has identified the canopied Shuffleboard Courts on the west side of the building as a likely place for expansion. With our proposed adjustments to their report for maintaining roof drainage and emergency exits, we agree that this area makes a good first building phase because no programs would be disrupted during the construction work (*with the exception of Shuffleboard!*).

The "footprint" of this proposed addition is approximately 1,200 square feet, which could become the new "Body Room" (exercise equipment room) or it could be a good sized art classroom. As discussed earlier, this addition will not increase the building's total area beyond the maximum that is allowable.

### *Recommendation:*

*The location of the kiln room and the proximity of plumbing in the Arts & Crafts classroom lead us to suggest that the Phase 1 Addition should be used for art classes. The existing Body Room should be repurposed to a classroom or computer lab, as soon as a new Exercise Room is added in Phase 2.*

The estimated construction cost of the Phase 1 Addition in December 2007 dollars would be \$170,000. Including 10% for furnishings and 10% for design fees, the final total would be \$204,000.

## Phase 2: Exercise Room Addition

As mentioned in Phase 1 above as well as in the Expansion Subcommittee Report, there is a great need to expand the Health & Fitness program support spaces.

We propose to locate a Phase 2 addition on land at the north end of the building that was graded flat during the original construction of the Senior Center for a future expansion. This will involve the adjustment of the one-way drive for the Meals on Wheels program. Since earthwork will be going on, this would also be an appropriate time to expand the parking area to +/- 61 spaces.

The "footprint" of this proposed addition is approximately 2,400 square feet, which could yield an exercise room of 1,536 square feet and support spaces of 864 square feet. This addition increases the facility's area beyond the maximum allowable, so it would be separated from the existing building by a 3-HR rated masonry firewall & fire doors. The Phase 2 addition would also have fire sprinklers.

The estimated construction cost of the Phase 2 Addition in December 2007 dollars would be \$360,000. We are budgeting \$72,000 for sitework, \$40,000 for design fees and \$35,000 for furnishings. The final total would be \$507,000.

## Phase 3: Multipurpose Room (Ballroom) Addition

As mentioned in our discussion about the RA-C zoning district, we can exploit the code's reduction of the minimum front setback to 10 feet. With a simple realignment of the Meals on Wheels driveway and a relocation of the dumpster enclosure, we create a large area

available for expansion from the southern end of the Senior Center toward East Holding Avenue.

We propose to locate a Phase 3 addition on land at the north end of the building that was graded flat during the original construction of the Senior Center for a future expansion. This will involve a second adjustment of the one-way drive for the Meals on Wheels program, and the removal of the buried LP gas tank.

The "footprint" of this proposed addition is approximately 4,960 square feet, which could yield a new Multipurpose Facility including a Ballroom of 3,900 square feet, a new entrance lobby of 740 square feet and support spaces (restrooms) of 320 square feet.

Depending on the final design and layout of the new ballroom, it should be able to seat about 425 people in an "audience" or "lecture" arrangement, and about 200 people in a banquet setting.

This addition also increases the facility's area beyond the maximum allowable, so in the same manner as Phase 2 the main structure (but not the lobby) would be separated from the existing building by a 3-HR rated masonry firewall & fire doors. The addition would have a fire sprinkler system.

The estimated construction cost of the Phase 3 Addition in December 2007 dollars would be \$843,200. We are budgeting \$42,000 for sitework, \$68,000 for design fees and \$84,000 for furnishings. The final total would be \$1,037,200.

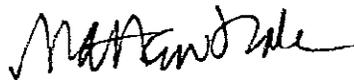
## Conclusions

Based on our preliminary study, it appears that it is possible to expand the Senior Center on its existing site by approximately 8,560 square feet. This effectively doubles the existing area to 17,000 square feet.

The new RA-C zoning classification requires only one car for every 300 square feet, which means the enlarged facility would need  $17,000/300 = 57$  parking spaces. However, both common sense and experience indicate that a facility of this nature will need almost twice as many parking spaces as we currently provide. We refer the reader to our key recommendation on Page 4 about securing additional parking off-site.

This concludes our report. I am always available for questions and/or clarifications.

Respectfully Submitted,



Matthew Hale  
Architect

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Facilities

**SUBMITTED BY**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
*Renaissance Centre Renovations Phase1-3*

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

**PROJECT DESCRIPTION**  
Upgrade and renovate areas to improve ability to satisfy needs of different groups

**JUSTIFICATION**  
Renovations were completed to open the centre in FY 2013-2014, however, with the hiring of staff to manage the centre several request have been made to accommodate different venues. These improvements will allow a more diverse line of entertainment at the centre.



**PROJECT ALTERNATIVES**

1) Continue to use the equipment and centre as we have it.  
2) Rent additional equipment when needed

**OPERATING IMPACT/OTHER COMMENTS**

1) Possibly more use of the centre.  
2) The centre will be closed during construction. Time depends on items approved.

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

Continuation - FY 2015	
\$	230,000

*Funds Expended to Date*      \$      230,000

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ -	\$ -
Construction	-	232,000	300,000	-	275,000	-	-
Equipment	-	70,000	-	-	-	-	-
Other	230,000	-	-	-	3,000	-	-
<b>Total Project Costs</b>	<b>\$ 230,000</b>	<b>\$ 302,000</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ 293,000</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 230,000	\$ 302,000	\$ 300,000	\$ -	\$ 293,000	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ 230,000</b>	<b>\$ 302,000</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ 293,000</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**      **\$ 1,125,000**

Items are listed according to priority of the WFRC staff:

**Phase 1 FY 2016- 2017**

1) Security Cameras and alarms	\$ 34,000
2) Renovate Upstairs: Lighted Mirrors, Flooring, Paint, Counters, Shelving, and Speaker	21,000
3) Add sink with Sink Base to Studio D and Carpet and Tile for Annex	35,000
4) Remove permanent wall, Add moveable wall	25,000
5) Extend Stage and Elevate Ceiling Above, Stage & washout lighting	156,500
6) Hanging Art System	2,500
7) Additional Audio equipment	<u>28,000</u>
Total	<u>302,000</u>

**Phase 2 FY 2017 - 2018**

Marquee	<u>300,000</u>
Total	<u>300,000</u>

**Phase 3 FY 2019- 2020**

Elevate Ceiling in Main Meeting Area	<u>275,000</u>
Total	<u>\$275,000</u>

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Facilities

**SUBMITTED BY**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
*Gateways, Interchanges, and Intersections*

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

**PROJECT DESCRIPTION**  
Improve the appearance of town gateways and intersections per adopted corridor plans. Scope of work includes landscape, material, installation, grading, and landmark features. Dry stacked stone walls and welcome signage were allowed. This project began as a priority of the Board of Commissioners

**JUSTIFICATION**  
Gateways welcome people and give them their first impressions of Wake Forest and serve as landmarks. Presently they don't identify you have entered town. 6 locations along US1 and NC98 were perviously recognized as possible sites. 98 Median west of US 1 was completed.

- 1) US1 and US1A intersection
- 2) US1A and NC98 bypass intersection and NC98 median
- 3) NC98 bypass and US1 interchange
- 4) NC98 and US1 interchange
- 5) Burlington Mills Road adn US1 intersection
- 6) NC98 bypass and Jones Dairy Road intersection



**PROJECT ALTERNATIVES**  
Install sign and landscaping at a later time.

**OPERATING IMPACT/OTHER COMMENTS**  
Maintenance and repair.

**PROJECT STATUS**  
Funds Approved to Date

Continuation - FY 2015	
\$	55,000

Funds Expended to Date

\$	55,000
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Construction	\$ 55,000	\$ 80,000	\$ 80,000	\$ 85,000	\$ 85,000	\$ 90,000	\$ 90,000
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	\$ 55,000	\$ 80,000	\$ 80,000	\$ 85,000	\$ 85,000	\$ 90,000	\$ 90,000

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 55,000	\$ 80,000	\$ 80,000	\$ 85,000	\$ 85,000	\$ 90,000	\$ 90,000
<b>Total Funding Sources</b>	\$ 55,000	\$ 80,000	\$ 80,000	\$ 85,000	\$ 85,000	\$ 90,000	\$ 90,000

**TOTAL PROJECT COST:** \$ 635,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Public Facilities	<b>SUBMITTED BY</b> Mickey Rochelle	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  <i>Operations Center Expansion</i>	<b>TYPE OF PROJECT</b> <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**  
Expansion of the Operations Center

**JUSTIFICATION**  
Growth in staff at the center as well as expected future growth necessitates expansion of this facility. Both the buildings and grounds are occupied to capacity. The town is currently having a feasibility study completed to determine whether to continue with an expansion or relocate to a new site. If relocation is needed the town may have to acquire land if our current parcels can't be used.



**PROJECT ALTERNATIVES**

- 1) Rent additional space
- 2) Move to a new location and possibly acquire land suitable for town needs.

**OPERATING IMPACT/OTHER COMMENTS**

\*Feasibility study being conducted in FY 2015/16

(Pros) More room to operate efficiently, increased employee moral and better organization.

(Cons) Higher utility cost

<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 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ 50,000	\$ 150,000	\$ 700,000	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	6,500,000	-	-	-
Contingency	-	-	-	650,000	-	-	-
Other - PAC	-	-	7,000	71,500	-	-	-
<b>Total Project Costs</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ 707,000</b>	<b>\$ 7,221,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 50,000	\$ 150,000	\$ 7,000	\$ 71,500	\$ -	\$ -	\$ -
Installment Purchase	-	-	700,000	7,150,000	-	-	-
<b>Total Funding Sources</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ 707,000</b>	<b>\$ 7,221,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 8,128,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Facilities

**SUBMITTED BY**  
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 with lockers and ventilator to reduce odors from the evidence.

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



**PROJECT ALTERNATIVES**  
None

**OPERATING IMPACT/OTHER COMMENTS**  
Additional utilities.

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

Continuation - FY 2016
\$ -

*Funds Expended to Date*

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	150,000	-	-	-
Equipment	-	-	-	25,000	-	-	-
Contingency	-	-	-	15,000	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 190,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 10,000	\$ 190,000	\$ -	\$ -	\$ -
Installment Purchase	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ 190,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Facilities

**SUBMITTED BY**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
Flaherty Community Center Office

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**  
Design and construct an office for future staffing needs at Flaherty Community Center.

**JUSTIFICATION**  
Parks, Recreation and Cultural Resources plan to convert two (2) part time positions to one (1) full time. This would be used as an office for that employee. The center currently has a 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**  
Added utility cost, staff, and maintenance.

**PROJECT STATUS**  
Funds Approved to Date

Continuation - FY 2014	
\$	-

Funds Expended to Date

\$	-
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	200,000	-	-	-
Other - PAC 1%	-	-	500	2,000	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,500</b>	<b>\$ 202,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 25,500	\$ 202,000	\$ -	\$ -	\$ -
Installment Purchase	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,500</b>	<b>\$ 202,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** **\$ 227,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**

Public Facilities

**SUBMITTED BY**

Mickey Rochelle

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Parks and Recreation Equipment Shelter  
@ Joyner Park*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

Build a shelter enclosed on 3 sides for equipment.

**JUSTIFICATION**

Currently equipment is stored, uncovered, on the open lot. The shelter would help protect the equipment extending its life. This shelter would also provide an area to store palletized materials used on a regular basis by the department. This request includes cost of footings, labor, and contingency which are items not included in the estimate provided.



**PROJECT ALTERNATIVES**

Continue storing equipment exposed to the elements

**OPERATING IMPACT/OTHER COMMENTS**

Equipment would last longer with less repairs due to rust and UV damage.

**PROJECT STATUS**

Continuation - FY 2016

Funds Approved to Date

\$ -

Funds Expended to Date

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Construction	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ -	\$ -
Contingency	-	-	6,000	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 76,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 76,000	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 76,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**\$ 76,000**

**UNIVERSAL STEEL BUILDINGS CORP.  
OLYMPIA STEEL BUILDINGS® SYSTEM  
400 ISLAND AVENUE  
McKEES ROCKS, PA 15136**

**1-877-783-3590**

<http://www.olympiabuildings.com>

*December 9, 2014*

**Your Detailed Specs & Quotation    Mickey Rochelle**

**Building Overview:**

Width:	18'
Length:	165'
Height:	10'
Roof Pitch:	<b>1:12</b>

**Building details:**

1. Every building is manufactured with clips welded in place, holes pre punched and panel pre cut. All rigid frames are solid I-Beam construction. A Large selection of colors is available for 26ga (80,000psi yield strength) roof and wall panels. All secondary girts, purlins and base angle range from high strength 16ga to 12ga. Every building includes x-bracing for added strength.
2. All necessary columns, beams, rafters, girts, purlins, sheeting, nuts and bolts are supplied. Large selection of color for base, rake, corners, jambs, head, jamb cover and head cover trim pieces. All long life fasteners for roof and walls are also included.
3. 3 sets of stamped engineered permit drawings and 3 sets of construction drawings are provided.
4. We use matching finish self-drilling, self-tapping, long life fasteners on all roof and wall panels.
5. Our painted PBR panels have a 25 year warranty against chipping, cracking, peeling and blistering. Our roof has a 25 yr. rust perforation warranty with AZ55 coating. If a hole goes thru the panel the steel mill will replace the panel.
6. We supply "Base Trim" and base closures as a standard feature on all our buildings which makes the erection much easier. It also provides a much better seal than just providing foam

closures without base trim for keeping out dust, water and critters,(an option for most metal building companies) and improves the appearance of your building.

7. We supply eave trim, base trim, gable trim, corner trim.

8. All framed openings come with jamb and head cover trim. The trim covers the door jambs and header beam giving your building a more attractive and finished look. Most building companies leave this trim out.

9. All Olympia Buildings come with cable bracing which will add strength and rigidity.

10. Building Will Be Designed With {3} Sides Enclosed

11. Building Will Be Designed With The Front Side Wall Open

12. Building Will Be Designed All Clear Span

**13. Building Price Includes: {3} Sets Of Engineered Stamped Drawings.**

**Building Price Delivered To Job Site \$ 19,860.00**

Matthew Abrams

[mabrams@factoryusa.com](mailto:mabrams@factoryusa.com)

877 783 3590

704 909 9126 { Cell Phone # }

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**

Public Facilities

**SUBMITTED BY**

Mickey Rochelle

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Parks and Recreation Maintenance Facility Additional Parking*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

Relocate the fence, grade, add parking and dumpster pad.

**JUSTIFICATION**

With the hiring of additional employees and parking of trailers for other departments parking is very limited. Additional space is needed for equipment and town vehicles also.



**PROJECT ALTERNATIVES**

Find other location for trailers belonging to other departments and continue as is.

**OPERATING IMPACT/OTHER COMMENTS**

- 1) More parking
- 2) Less congestion creating less opportunity for accidents

**PROJECT STATUS**

Continuation - FY2016

*Funds Approved to Date*

\$ -

*Funds Expended to Date*

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -
Construction	-	-	75,000	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 85,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 85,000	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 85,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**\$ 85,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Facilities

**SUBMITTED BY**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
Pave Owen Avenue Parking Lot

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**  
Pave parking lot that is located along Owen Avenue from Brooks to Taylor Streets.

**JUSTIFICATION**  
The gravel lot slopes east and washes out with heavy rain. Paving the lot and marking it will help create more parking as it will be structured and not allow cars to be parked at will.



**PROJECT ALTERNATIVES**  
Continue with a dirt lot

**OPERATING IMPACT/OTHER COMMENTS**

- 1) Less maintenance due to less wash out from heavy rains.
- 2) More parking spaces for visitors, employees and patrol vehicles

**PROJECT STATUS**  
Funds Approved to Date

Continuation - FY 2016	
\$	-

Funds Expended to Date

\$	-
----	---

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Construction	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

\$ 200,000
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**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Public Facilities	<b>SUBMITTED BY</b> Mickey Rochelle	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  <i>Park Restroom Facilities</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**  
Build restroom facilities at  
1) Smith Creek Soccer Center  
2) Taylor Street Park  
3) Heritage High School Ball Fields

**JUSTIFICATION**  
Portable toilets are not aesthetically pleasing to the eye nor do most people feel they are sanitary. Placement of permanent restrooms would enhance our parks allowing the removal of portable toilets and giving the citizens clean, as well as sanitary restrooms. Portable toilets often get vandalized and tipped over causing unusable facilities and makes the parks look neglected. The topography of Heritage required that the athletic fields and tennis courts be separated from the restrooms that can be easily accessed by participants or spectators at the upper fields and courts. Safe access is by vehicle only.



**PROJECT ALTERNATIVES**  
Continue to use portable toilets.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Additional maintenance and utilities.  
\*CASL has stated they will help pay for Smith Creek Restrooms.

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ 15,000	\$ -	\$ 15,000	\$ -
Construction	-	-	-	-	100,000	-	250,000
Other - PAC 1%	-	-	-	250	1,000	250	2,500
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,250</b>	<b>\$ 101,000</b>	<b>\$ 15,250</b>	<b>\$ 252,500</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ 15,250	\$ 101,000	\$ 15,250	\$ 252,500
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,250</b>	<b>\$ 101,000</b>	<b>\$ 15,250</b>	<b>\$ 252,500</b>

**TOTAL PROJECT COST: \$ 384,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Facilities

**SUBMITTED BY**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
New Police Station

**TYPE OF PROJECT**

	1 - Health/Safety/Welfare
	2 - Maintenance/Replacement
X	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 the Town Hall campus. The project will include preliminary plans, construction documents, technology, furniture, and contingency funds.



**PROJECT ALTERNATIVES**  
Establish precincts by leasing office space at appropriate locations.

**OPERATING IMPACT/OTHER COMMENTS**  
Eliminate current rental locations and consolidate into one. The department has out grown the renovated main station.

**PROJECT STATUS**  
Funds Approved to Date

Continuation - FY 2014  
\$ -

Funds Expended to Date

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000
Purchase	-	-	-	-	-	-	1,200,000
Construction	-	-	-	-	-	-	18,000,000
Equipment	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-
Other- 1% PAC	-	-	-	-	-	-	209,500
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,159,500</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 209,500
Installment Purchase	-	-	-	-	-	-	20,950,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,159,500</b>

**TOTAL PROJECT COST: \$ 21,159,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**

Public Facilities

**SUBMITTED BY**

Mickey Rochelle

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Parks and Recreation Maintenance Building #2*

**TYPE OF PROJECT**

- 1 - Health/Safety/Welfare
- 2 - Maintenance/Replacement
- X** 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 the need. 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 Urban Forestry equipment. The building would be approximately 3000 square feet and a gravel lot. Would like for this to be located at the Smith Creek Trailhead near the Raleigh Waste Water Treatment Plant.



**PROJECT ALTERNATIVES**

Continue working from existing location

**OPERATING IMPACT/OTHER COMMENTS**

Additional utilities and maintenance.

**PROJECT STATUS**

Continuation - FY 2016

*Funds Approved to Date*

\$ -

*Funds Expended to Date*

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Construction	-	-	-	-	-	-	400,000
Contingency	-	-	-	-	-	-	40,000
Other- 1% PAC	-	-	-	-	-	-	5,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 470,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 470,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 470,000</b>

**TOTAL PROJECT COST:**

**\$ 470,000**

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

PROJECT TITLE	PRIORITY	PRIOR TO					FUTURE			TOTALS
	TYPE	JULY 2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	YEARS		
1 Patrol Vehicles Additional	H-3	\$ -	\$ 210,000	\$ 245,000	\$ 257,500	\$ 220,500	\$ 193,000	\$ -	\$ 1,126,000	
2 Surveillance Vehicle Replacement	M-3	-	175,000	-	-	-	-	-	175,000	
3 Back-up Communications Center	H-3	-	-	-	250,000	-	-	-	250,000	
4 Mobile Command Vehicle	M-4	-	-	-	-	-	295,000	-	295,000	
<b>TOTALS</b>		<b>\$ -</b>	<b>\$ 385,000</b>	<b>\$ 245,000</b>	<b>\$ 507,500</b>	<b>\$ 220,500</b>	<b>\$ 488,000</b>	<b>\$ -</b>	<b>\$ 1,846,000</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 2016-2021**

**DEPARTMENT**  
Public Safety

**SUBMITTED BY**  
Jeffrey M. Leonard

**DEPARTMENTAL PRIORITY**  
High

**PROJECT TITLE**  
  
*Patrol Vehicles Additional*

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

**PROJECT DESCRIPTION**  
Add Patrol Vehicles for new positions per contract specifications

**JUSTIFICATION**  
Population and call volume is continuing to increase. The Town is still developing at a rapid pace with many new apartments/subdivisions being built or already complete. Traditions is developing fast and there are new developments being considered. With the increased population we are having more traffic problems. This will be the 3rd year of over 1000 vehicle accidents in town. The town is also replacing several bridges in town which is causing traffic problems. I would like to start a traffic unit to address some of these issues. I also want to add a SRO/Dare officer for the schools. In future years we will need to increase Patrol and Investigations as well as specialty positions such as Impact, DARE, SRO, Deputy Chief, etc. The estimated costs represent vehicles for these positions.



**PROJECT ALTERNATIVES**

Continue with current staffing.

**OPERATING IMPACT/OTHER COMMENTS**

\*The department utilizes a car per officer which has reduced maintenance costs. The officers take more pride and care with their vehicle and it has enhanced the recruitment of officers.  
\*Increase in patrol costs (31 positions)  
\*NC Governor's Highway Safety Program grant application submitted

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

Annual Request
\$ -

*Funds Expended to Date*

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 210,000	\$ 245,000	\$ 257,500	\$ 220,500	\$ 193,000	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 210,000</b>	<b>\$ 245,000</b>	<b>\$ 257,500</b>	<b>\$ 220,500</b>	<b>\$ 193,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grants - Application Submitted	-	-	105,000	-	-	-	-
Installment Purchase	-	210,000	140,000	257,500	220,500	193,000	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 210,000</b>	<b>\$ 245,000</b>	<b>\$ 257,500</b>	<b>\$ 220,500</b>	<b>\$ 193,000</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 1,126,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Safety

**SUBMITTED BY**  
Jeffrey M. Leonard

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
*Surveillance Vehicle Replacement*

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

<p><b>PROJECT DESCRIPTION</b> Replace 1989 Surveillance Vehicle</p> <p><b>JUSTIFICATION</b> Our current vehicle is 26 years old and in need of replacement. It is used for cases such as narcotics surveillance, fugitive surveillance, high crime area surveillance, used in areas with multiple thefts, and can safely get an officer into an area they may otherwise not be able to get to. We can use it in construction area thefts and areas with multiple car break-ins. It is also used for the safety of officers that may be working undercover to keep a close eye on them and back-up officers close to them. There are multiple more uses for this type of vehicle and because it is not driven a lot of miles they last longer than the average vehicle.</p>	<p>No Image Available</p>
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**PROJECT ALTERNATIVES**  
Continue to use the current vehicle as long as we can repair it or discontinue surveillance as we do it now.

**OPERATING IMPACT/OTHER COMMENTS**  
Provides added safety to the officers and can be used to assist other agencies.

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

Continuation - FY 2014  
\$ -

*Funds Expended to Date*

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Project Costs</b>	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:** \$ 175,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Safety

**SUBMITTED BY**  
Jeffrey M. Leonard

**DEPARTMENTAL PRIORITY**  
High

**PROJECT TITLE**  
  
*Back-up Communications Center*

TYPE OF PROJECT	
	1 -Health/Safety/Welfare
	2 - Maintenance/Replacement
<b>X</b>	3 - Existing Programs Expansion
	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 and add the equipment to make this a fast but temporary solution. It would not be ideal for long term but could easily be made to work for a few weeks or short term.

**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.

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

Funds Expended to Date \$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ 250,000			
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -
Asset Foreiture Funds*	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Safety

**SUBMITTED BY**  
Jeffrey M. Leonard

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
*Mobile Command Vehicle*

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

**PROJECT DESCRIPTION**  
Provide a Mobile Command vehicle to provide an office and communications center on wheels.

**JUSTIFICATION**  
The mobile command vehicle would provide the department with versatility. At major crime scenes it would assist in conducting the investigation on site by providing resources such as phones, conference room, cameras, recorders and lights. This type of vehicle would also assist on missing person calls and natural disasters by being able to print maps and access other resources on the scene. When working with other agencies or with Fire and EMS it offers a place for a command post. This vehicle could also be used for events such as Meet in the Street, Fourth of July, Christmas parade and other community events. An added bonus is this vehicle can be used as a temporary back-up to the communications center, if needed.



**PROJECT ALTERNATIVES**  
Continue without a mobile command vehicle or use other agencies mobile command vehicle, if available.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Could be used to assist other agencies and/or towns.  
\*Can be used as a temporary back up for our communications center if the equipment is added.  
\*Can potentially be split with Wake Forest Fire Department

**PROJECT STATUS**  
New Project - FY 2017  
Funds Approved to Date \$ -

Funds Expended to Date \$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 295,000	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 295,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 195,000	\$ -
Asset Forfeiture Funds	-	-	-	-	-	100,000	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 295,000</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 295,000**

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

	PROJECT TITLE	PRIORITY TYPE	PRIOR TO JULY 2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	FUTURE YEARS	TOTALS
1	Traffic/Pedestrian Signals	M-3	\$ -	\$ 80,000	\$ 220,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
2	Roadway Connections	H-1	-	102,000	602,000	1,390,000	645,000	5,700,000	-	8,439,000
3	<b>Smith &amp; Sanford Creek Greenway - CMAQ</b>	H-3	1,357,260	4,411,680	855,060	-	-	-	-	\$ 6,624,000
4	<b>Priority Pedestrian Corridors - Wait &amp; W. Oak Avenue</b>	H-3	1,810,000	291,500	-	-	-	-	-	2,101,500
5	<b>Stadium Drive Complete Streets &amp; North Avenue Resurfacing</b>	H-3	1,017,300	1,860,000	1,500,000	1,121,700	-	-	-	5,499,000
6	<b>Rogers Road Widening &amp; Pedestrian Underpass</b>	H-3	-	-	1,472,000	-	-	-	-	1,472,000
7	<b>Smith Creek Greenway - Phase 2</b>	H-3	500,455	907,045	2,240,000	1,818,000	1,313,000	-	-	6,778,500
8	<b>Greenway and Park Signage</b>	H-3	410,000	345,500	230,000	110,000	-	-	-	1,095,500
9	<b>Durham Road Operational Improvements</b>	H-3	141,500	254,500	419,000	4,600,000	-	-	-	5,415,000
10	<b>Harris Road Roundabout</b>	H-3	-	592,000	100,000	2,228,000	-	-	-	2,920,000
11	Passive/Active Park Greenway Connections	M-3	-	34,500	302,000	454,500	302,000	454,500	-	1,547,500
12	Pedestrian and Bicycle Counters	L-3	-	-	50,000	50,000	55,000	50,000	-	205,000
13	<b>Dunn Creek Greenway - Phase 4</b>	H-3	-	-	268,000	954,500	-	-	-	1,222,500
14	<b>Dunn Creek Greenway - Phase 3</b>	H-3	-	549,500	667,000	1,558,000	1,363,500	974,000	-	5,112,000
15	Smith - Austin Creek Greenway	M-3	-	-	-	457,000	1,757,500	-	-	2,214,500
16	W. Holding Avenue Sidewalks	M-3	-	33,000	33,000	33,000	33,000	33,000	-	165,000
17	Northside Loop	H-3	-	-	-	500,000	13,500,000	100,000	-	14,100,000
18	US 1 Bike Lanes	H-3	-	-	-	660,000	-	-	-	660,000
19	Wake Forest Bypass Greenway	M-3	-	-	-	-	553,000	3,636,000	-	4,189,000
20	Richland Creek Greenway	M-3	-	692,000	275,000	2,932,000	-	-	-	3,899,000
21	<b>Ligon Mill Road Pedestrian Underpass</b>	H-3	-	-	-	350,000	-	-	-	350,000
22	<b>Joyner Park Soft Trail Bridge</b>	M-3	-	-	-	-	-	419,500	-	419,500
23	W. Oak Avenue	H-3	-	-	-	-	-	-	3,000,000	3,000,000
24	Richland Creek Pedestrian Bridge - soft trail	H-3	-	-	-	-	-	262,000	-	262,000
25	Ligon Mill Road Complete Streets	H-3	-	-	-	-	-	-	3,100,000	3,100,000
26	Jones Dairy Road Complete Streets	M-3	-	-	-	-	-	-	2,850,000	2,850,000
27	Richland Creek Elementary School Greenway	H-3	-	-	-	-	-	-	863,000	863,000
28	Woodland Drive & S. Wingate sidewalks	H-3	-	-	-	-	-	-	806,000	806,000
29	Tom's Creek Greenway Trail	L-3	-	-	-	815,000	-	-	-	815,000
30	Wake Forest Middle School soft trail	L-3	-	-	-	-	-	-	252,000	252,000
31	Prestwicke Loop soft trail	L-3	-	-	-	-	-	-	202,000	202,000
<b>TOTALS</b>			<b>\$ 5,236,515</b>	<b>\$ 10,153,225</b>	<b>\$ 9,233,060</b>	<b>\$ 20,031,700</b>	<b>\$ 19,522,000</b>	<b>\$ 11,629,000</b>	<b>\$ 11,073,000</b>	<b>\$ 86,878,500</b>

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

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

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.

**Note 2:** The November 2014 approved bond referendum included \$6.3M of funds allocated for Streets and Sidewalk Improvements. Projects that have been completely funded are not reported in this update. The remaining projects include: 1) Priority Pedestrian Corridors - Wait & W. Oak Avenue, 2) Stadium Drive Complete Streets and North Avenue Resurfacing, 3) Durham Road Operational Improvements; 4) Harris Road Roundabout; 5) Rogers Road Widening & Pedestrian Underpass; 6) Ligon Mill Road Pedestrian Underpass; 7) Northside Loop

**Note 3:** 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) Smith and Sandford Creek Greenway; 2) Smith Creek Greenway - Phase II; 3) Dunn Creek Greenway - Phase IV, Dunn Creek Greenway - Phase III; 4) Greenway and Park Signage; 5) Joyner Park Soft Trail Bridge



**TOWN OF WAKE FOREST  
 CAPITAL IMPROVEMENTS PROGRAM  
 CIP UPDATE FY 2016-2021**

**DEPARTMENT**  **SUBMITTED BY**  **DEPARTMENTAL PRIORITY**

**PROJECT TITLE**  **TYPE OF PROJECT**

	1 -Health/Safety/Welfare
	2 - Maintenance/Replacement
X	3 - Existing Programs Expansion
	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 at Fall retreat.

Forest Road - 328 linear feet of road construction; cross section includes sidewalk on one side; connection from Ligon Mill Road to Wake Drive.  
 Royal Mill - connection in Traditions from end to end.  
 Foundation - connect Heritage Branch and Rogers Road through 80 acre parcel

Projected Start Year	Project	Total Cost
FY 2016/17:	Forest Road	\$ 102,000
FY 2017/18:	Royal Mill	275,000
	Foundation Drive	7,420,000
	South Allen	306,000
	Brewer Circle	236,000
FY 2018/19:	Rolling Acres	100,000



**PROJECT ALTERNATIVES**

**OPERATING IMPACT/OTHER COMMENTS**

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ 2,000	\$ 234,500	\$ 880,000	\$ 300,000	\$ -	\$ -
Purchase	-	-	100,000	-	345,000	-	-
Construction	-	100,000	267,500	510,000	-	5,700,000	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 102,000</b>	<b>\$ 602,000</b>	<b>\$ 1,390,000</b>	<b>\$ 645,000</b>	<b>\$ 5,700,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 102,000	\$ 387,000	\$ 530,000	\$ -	\$ -	\$ -
GO Bonds - Future Referendum	-	-	215,000	860,000	645,000	5,700,000	-
Grants - NCDOT - Future Application	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 102,000</b>	<b>\$ 602,000</b>	<b>\$ 1,390,000</b>	<b>\$ 645,000</b>	<b>\$ 5,700,000</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
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<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> High					
<b>PROJECT TITLE</b>  Greenway- Smith & Sanford Creek Greenway - CMAQ	<b>TYPE OF PROJECT</b>						
	<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**  
Construction of a continuous bicycle and pedestrian facility consisting of approximately 2.4 miles of greenway trail and approximately 1.25 miles of sidewalk and multi-use path in the vicinity of Heritage Elementary, Middle, and High Schools.

**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. This project is funded in part by a Congestion Mitigation and Air Quality Improvement (CMAQ) grant and thus must follow the requirements outlined by NC Department of Transportation (NCDOT) and Federal Highway Administration (FHWA). Federal funding has been approved in the amount of \$3.4M(\$2,737,786 federal; \$684,447 local). The Town completed pre-construction activities (Environmental Document, Right of Way Certification and final PS&E package) in order for NCDOT to authorize construction funds.



**PROJECT ALTERNATIVES**  
No alternatives proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Staff is currently working with NCDOT as they coordinate a design-build project to replace Rogers (#132) road bridge. The bridge replacement is scheduled to occur during the course of this project; Summer 2016. A concrete boardwalk system is proposed for three structures that overtop during a 100-year storm (Str. #2, 3 & 6). This substitution would result in an approximate additional cost of \$225k - \$240k (at least double the cost of timber structures). There are 8 bridges and 4 boardwalks being constructed; 10 year warranty on bridges and 5 years on timber boardwalks. \$450,000 estimated maintenance cost for bridges, boardwalks and asphalt.

<b>PROJECT STATUS</b>	Continuation - FY 2014	
Funds Approved to Date	\$ 3,754,935	Funds Expended to Date
		\$ 638,450

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ 580,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	220,000	-	-	-	-	-	-
Construction	546,000	4,368,000	789,170	-	-	-	-
Contingency	-	-	58,000	-	-	-	-
Other- PAC 1%	11,260	43,680	7,890	-	-	-	-
<b>Total Project Costs</b>	<b>\$ 1,357,260</b>	<b>\$ 4,411,680</b>	<b>\$ 855,060</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 2,340,660	\$ 609,560	\$ -	\$ -	\$ -	\$ -
GO Bonds - Current Referendum - Issued	685,000	-	-	-	-	-	-
Grants - Awarded - CMAQ 2009	672,260	2,071,020	-	-	-	-	-
Grants - Future Application	-	-	245,500	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ 1,357,260</b>	<b>\$ 4,411,680</b>	<b>\$ 855,060</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** **\$ 6,624,000**

**TOWN OF WAKE FOREST  
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CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Priority Pedestrian Corridors - Wait & W. Oak Avenue	<b>TYPE OF PROJECT</b> <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**  
ROW acquisition and construction to complete pedestrian connections along Wait Avenue (NC 98 Business) and W. Oak Avenue. Sidewalk will be installed on Wait Ave: N. Allen Rd to Hillside Nursing Center. The existing signalized intersection at Wait Avenue and Allen Road will be upgraded with pedestrian amenities and bicycle detecting inductive loops. A multi-use path will be installed on W. Oak Ave: Harris Rd to Abercrombie Rd. The town continues to receive LAPP funding to complete design.

**JUSTIFICATION**  
Implementation of the adopted Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans for the Town of Wake Forest. The Town of Wake Forest is receiving Locally Administered Projects Program (LAPP) funding to complete preliminary engineering (design & environmental documentation) during FY2014-15. Federal authorization for preliminary engineering (PE) has been approved in the amount of \$196,100 (\$156,880 federal; \$39,220 local). The town is obligated to complete preliminary engineering by April/May 2015. The town was awarded LAPP funding during the FFY2015 grant cycle to support the cost of right-of-way and construction for the Wait Avenue project. 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 footworn paths indicating many pedestrians are striving to walk in a hostile environment. See additional detail for information on contractual obligations, resolutions, and other priority decisions affecting funding recommendations.



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Estimated project cost for the ROW and construction is \$1.6M. With LAPP grant funds the town's share would be 20% of the total project cost (\$1,300,000 federal; \$325,000 local).

<b>PROJECT STATUS</b> <i>Funds Approved to Date</i>	Continuation - FY 2014 \$ 1,822,000	<i>Funds Expended to Date</i>	\$ 281,973
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ 515,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	170,000	-	-	-	-	-	-
Construction	1,125,000	225,000	-	-	-	-	-
Contingency	-	66,500	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ 1,810,000</b>	<b>\$ 291,500</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 28,000	\$ 291,500	\$ -	\$ -	\$ -	\$ -	\$ -
GO Bonds - Current Referendum - Issued	325,000	-	-	-	-	-	-
Grants - Awarded - LAPP FFY15	1,457,000	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ 1,810,000</b>	<b>\$ 291,500</b>	<b>\$ -</b>				

**TOTAL PROJECT COST:** \$ 2,101,500

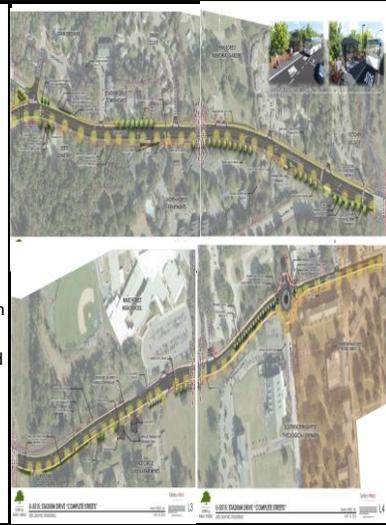
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>Departmental Priority</b> High
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<b>PROJECT TITLE</b>  Roadway - Stadium Drive Complete Streets & North Avenue Resurfacing	<b>TYPE OF PROJECT</b> <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**  
ROW acquisition and 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 \$292,938 (\$234,350 federal; \$58,588 local). Staff pursued LAPP grant funding during the FFY2016 call for projects to support the estimated cost of right-of-way and construction for the Stadium Drive Complete Streets project. Federal funding has been approved in the amount of \$4,160,000 (\$3,328,000 federal; \$832,000 local). Right-of-way acquisition will begin in 2016 and construction will begin in 2017.



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
Estimated project cost for ROW acquisition and construction -- \$4,160,000. With LAPP grant funds the town's share would be 20% of the total project cost (\$3,328,000 federal; \$832,000 local).

<b>PROJECT STATUS</b>	Continuation - FY 2014	
<i>Funds Approved to Date</i>	\$ 4,414,015	<i>Funds Expended to Date</i> \$ 313,294

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ 417,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	600,000	-	-	-	-	-	-
Construction	-	1,440,000	1,080,000	1,080,000	-	-	-
Contingency	-	420,000	420,000	41,700	-	-	-
<b>Total Project Costs</b>	<b>\$ 1,017,300</b>	<b>\$ 1,860,000</b>	<b>\$ 1,500,000</b>	<b>\$ 1,121,700</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 368,300	\$ 420,000	\$ 666,000	\$ 41,700	\$ -	\$ -	\$ -
GO Bonds - Current Referendum (2014)	200,000	240,000	-	-	-	-	-
Grants - LAPP FFY13 - Awarded	235,000	-	-	-	-	-	-
Grants - LAPP FFY16 - Awarded	214,000	1,200,000	834,000	1,080,000	-	-	-
<b>Total Funding Sources</b>	<b>\$ 1,017,300</b>	<b>\$ 1,860,000</b>	<b>\$ 1,500,000</b>	<b>\$ 1,121,700</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

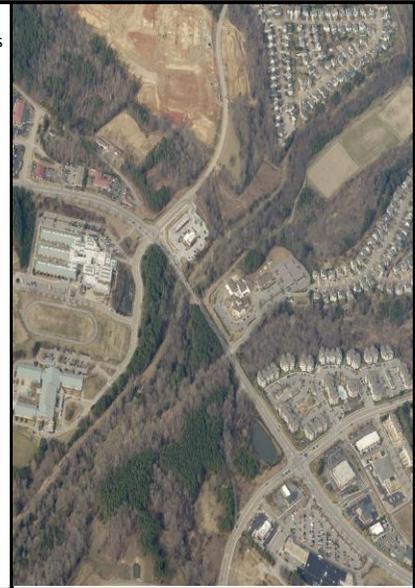
**TOTAL PROJECT COST:**      **\$ 5,499,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Roadway - Rogers Road Widening & Pedestrian Underpass	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare 2 - Maintenance/Replacement <b>X</b> 3 - Existing Programs Expansion 4 - New Program
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**PROJECT DESCRIPTION**  
Construction funds to provide a pedestrian underpass to connect to the Smith Creek Greenway and sidewalk on Rogers Road. The existing bridge will be replaced with a five-lane bridge and a 10-ft. concrete greenway path within right of way limits, curb and gutter and 6-ft sidewalk along both sides of the project. A five-lane extension from the end of the project (Hope Lutheran Church driveway) to the existing five-lane section at the Rogers Road-Forestville Road/Heritage Lake Road intersection; including the cost to extend the aluminum box culvert to match the five-lane section. This work will compliment NCDOT's plans to replace bridge 910132 on Rogers Road.



**JUSTIFICATION**  
Implementation of the adopted Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans for the Town of Wake Forest. This project includes construction for a pedestrian underpass to connect to Smith Creek Greenway and sidewalk on the bridge replacement at Rogers Road. The estimated cost for this project is \$1,470,755. NCDOT is coordinating a design-build project to replace Rogers (#132) Road bridge. The bridge replacement is scheduled to occur during summer 2016.

**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
\*NCDOT is coordinating a design-build project to replace Rogers Road bridge (#132) during May-September 2016. Estimated project cost for the pedestrian underpass, sidewalk and road widening is \$1,470,755. A right turn-lane will be added on Rogers Road at the intersection of Forestville Road. The cost estimate is approximately \$95,000. Upon completion of the work, the Municipality shall reimburse the Department one hundred percent (100%). \*The future developer is to pay fee in-lieu for roadway improvements. The amount is unknown at this time.

<b>PROJECT STATUS</b>	Continuation - FY 2014
Funds Approved to Date	\$ 1,470,000
Funds Expended to Date	\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	1,472,000	-	-	-	-
Contingency	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,472,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 2,000	\$ -	\$ -	\$ -	\$ -
GO Bonds - Current Referendum (2014)	-	-	1,470,000	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,472,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 1,472,000**

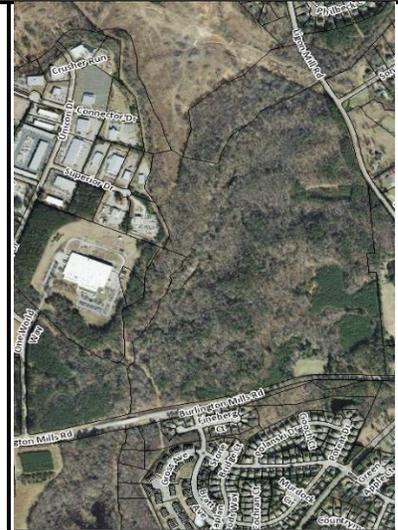
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
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<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
GTP	Candace Davis/Chip Russell	High

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

**PROJECT DESCRIPTION**  
 Preliminary engineering (design and environmental), ROW acquisition, and construction of 1.62 approximately miles of greenway trail and trailhead with parking off of One World Way. This segment will provide a connection to the exiting Burlington Mills section of Smith Creek Greenway and to Raleigh's Neuse River Greenway via the Wake Forest Connector bridge. Ultimately, this section of greenway will also link with the Town's CMAQ greenway project -- 2.4miles fo greenway along Smith & Sanford Creek corridor.

**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 will recieve \$941,000 from the Wake Co. grant in suppoort of the greenway project. Staff will prusue a 2016 Clean Water Management Trust Fund (CWMTF) grant for additional funding support.



<b>PROJECT ALTERNATIVES</b>	<b>OPERATING IMPACT/OTHER COMMENTS</b>
No alternative proposed.	Estimated project cost for preliminary engineering is \$750,000. ROW is estimated at \$300,000 and construction estimated at is \$4,424,300. With LAPP grant funds the town's share would be 20% of the total project cost (\$3.54M federal; \$900,000 local). The CWMTF grant award could provide additional funding at a \$5M.

<b>PROJECT STATUS</b>	Continuation - FY 2014	
<i>Funds Approved to Date</i>	\$ 1,456,000	<i>Funds Expended to Date</i> \$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ 495,500	\$ 254,500	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	-	650,000	-	-	-	-	-
Construction	-	-	2,217,600	1,800,000	1,300,000	-	-
Other - PAC 1%	4,955	2,545	22,400	18,000	13,000	-	-
<b>Total Project Costs</b>	<b>\$ 500,455</b>	<b>\$ 907,045</b>	<b>\$ 2,240,000</b>	<b>\$ 1,818,000</b>	<b>\$ 1,313,000</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 5,455	\$ 80,045	\$ 22,500	\$ 18,000	\$ 13,000	\$ -	\$ -
GO Bonds - Current Referendum (2014)	162,000	219,000	134,000	-	-	-	-
Grants - Awarded - Wake County Open Space	333,000	608,000	-	-	-	-	-
Grants - Future Application - Wake County	-	-	164,500	-	-	-	-
Grants - Future Application - CWMTF	-	-	1,919,000	1,800,000	1,300,000	-	-
<b>Total Funding Sources</b>	<b>\$ 500,455</b>	<b>\$ 907,045</b>	<b>\$ 2,240,000</b>	<b>\$ 1,818,000</b>	<b>\$ 1,313,000</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 6,778,500**

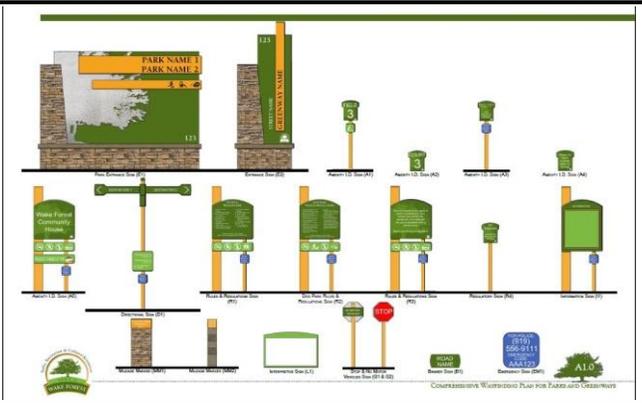
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
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<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
GTP	Candace Davis/Chip Russell	High

<b>PROJECT TITLE</b>	<b>TYPE OF PROJECT</b>
Greenway and Park Signage	1 - Health/Safety/Welfare 2 - Maintenance/Replacement 3 - Existing Programs Expansion 4 - New Program
	X

**PROJECT DESCRIPTION**  
 Multiyear project. Fabrication and installation costs for wayfinding/directional signage for greenway trailheads, greenway and soft trail paths, and kiosks for Dunn, Smith, Sanford, Richland, Joyner Park and Flarethy, etc. Transition existing park/greenway signage and implement the new wayfinding elements in phases.

**JUSTIFICATION**  
 Implementation of the Comprehensive Wayfinding Plan for Parks and Greenways we will implement an overall signage and wayfinding system to improve visitors experience to Wake Forest by assisting them in reaching their desired destination, increasing the visibility of the Town's park system through the preservation of the Wake Forest Parks, Recreation, and Cultural Resources brand, and strengthening the community's sense of place. We intend to implement an attractive, consistent, expandable and economical wayfinding and signage program for the town's greenway system.



- PROJECT ALTERNATIVES**
- Greenways**
1. Smith Creek Greenway (Burlington Mills segment) - \$55,000 -- PHASE 1
  2. Dunn Creek Greenway - \$47,000 -- PHASE 1
  3. Smith Creek Soccer Center & Greenway - \$ 45,000 -- PHASE 1
  4. Sanford Creek Greenway - \$75,000 -- PHASE 1
  5. Richland Creek (Olde Mill Stream Segment) - \$36,000 -- PHASE 2
- Parks**
1. E. Carroll Joyner Park - \$160,000 -- PHASE 1
  2. J.B. Flarethy Park- \$80,500 -- PHASE 1
  3. Holding Park/Forrest Field - \$45,000 -- PHASE 2
  4. Wake Forest Reservoir - \$50,000 -- PHASE 2
  5. Heritage High Park - \$45,000 -- PHASE 2
  6. H.L. Miller Park – \$38,000 -- PHASE 2
  7. Ailey Young Park - \$23,000 -- PHASE 2
  8. Kiwanis Park & Greenway - \$ 53,000 -- PHASE 2
  9. Plummer Park - \$20,000 -- PHASE 2
  10. Taylor Street Park - \$27,000 -- PHASE 2
  11. Tyler Run Park - \$38,000 -- PHASE 2

**OPERATING IMPACT/OTHER COMMENTS**

The Comprehensive Wayfinding Design Workbook has been developed. Sign maintenance will be required for all sign types during bi-weekly maintenance of greenways and parks. Especially for the entrance signs that contain lights, if vandalism occurs, etc.

<b>PROJECT STATUS</b>	Continuation - FY 2014
<i>Funds Approved to Date</i>	\$ 410,000
<i>Funds Expended to Date</i>	\$ 90,539

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -
Purchase	350,000	305,500	140,000	80,000	-	-	-
Construction	25,000	40,000	30,000	30,000	-	-	-
Contingency	35,000	-	-	-	-	-	-
<b>Total Project Costs</b>	\$ 410,000	\$ 345,500	\$ 230,000	\$ 110,000	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 50,000	\$ 345,500	\$ 230,000	\$ 110,000	\$ -	\$ -	\$ -
GO Bonds - Current Referendum - Issued	360,000	-	-	-	-	-	-
<b>Total Funding Sources</b>	\$ 410,000	\$ 345,500	\$ 230,000	\$ 110,000	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:** \$ 1,095,500

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016- 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Roadway - Durham Road Operational Improvements (formerly Priority Pedestrian Corridors - Durham Rd.)	<b>TYPE OF PROJECT</b> <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**  
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 Richland Drive, sidewalk on both sides, sharrows, and greenway. 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 footworn 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**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
**Strategic Goal 2: Enhance and Promote a Safe and Connected Community**  
\*Estimated project cost for preliminary engineering is \$558,000. This phase of the project needs to occur during 2016.  
\*ROW is estimated at \$250,000 and construction is estimated at \$2,297,615; approximately \$2,547,615. With LAPP grant funds the town's share would be 20% of the total project cost (\$2,038,092 federal; \$509,523 local).

<b>PROJECT STATUS</b> Continuation - FY 2015	
<i>Funds Approved to Date</i>	<i>Funds Expended to Date</i>
\$ 800,000	\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ 140,000	\$ 252,000	\$ 167,000	\$ -	\$ -	\$ -	\$ -
Purchase	-	-	250,000	-	-	-	-
Construction	-	-	-	4,600,000	-	-	-
Contingency	1,500	2,500	2,000	-	-	-	-
<b>Total Project Costs</b>	<b>\$ 141,500</b>	<b>\$ 254,500</b>	<b>\$ 419,000</b>	<b>\$ 4,600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 141,500	\$ 254,500	\$ 124,000	1,547,500	\$ -	\$ -	\$ -
GO Bonds - Current Referendum (2014)	-	-	45,000	755,000	-	-	-
Grants - LAPP FFY17 - Unofficially Awarded	-	-	250,000	2,297,500	-	-	-
<b>Total Funding Sources</b>	<b>\$ 141,500</b>	<b>\$ 254,500</b>	<b>\$ 419,000</b>	<b>\$ 4,600,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 5,415,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
GTP	Candace Davis/Chip Russell	High

<b>PROJECT TITLE</b>	<b>TYPE OF PROJECT</b>
Roadway - Harris Rd Roundabout	1 - Health/Safety/Welfare 2 - Maintenance/Replacement X 3 - Existing Programs Expansion 4 - New Program

**PROJECT DESCRIPTION**  
 This project includes design, NEPA documentation, and construction for a single-lane roundabout at the intersection of Harris Road (SR 1931) and W. Oak Ave (SR 1931)/Wall Rd (SR 1932) and pedestrian facilities. The proposed improvements include installing a roundabout with associated curb & gutter, stormwater, approximately 2,700LF of multi-use path on Harris and Wall Roads and 350LF sidewalk from Wall Road to Wallridge Drive (Wallridge Subdivision) to existing sidewalk at Harris Point Way (Harris Point subdivision). Minimal right of way is needed along Wall Road.



**JUSTIFICATION**  
 Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. The intersection of Harris Rd. and W.Oak Ave/ Wall Rd. is a viable location for a roundabout because Harris Rd is a gateway into Wake Forest. It is frequently used by motorist and pedestrians to access Capital Blvd., Downtown Wake Forest via N. Main Street, and E. Carroll Joyner Park. The average daily traffic along this road is 2,100 vehicles per day. Richland Creek Elementary School traffic will help generate an additional 1,058 vehicles per day along this road. Installing a roundabout at this intersection will accommodate projected growth in the area, increase traffic flow and improve safety. Staff pursued LAPP grant funding during the FFY2017 call for projects to support the cost of ROW and construction. The Federal Fiscal Year (FFY) for 2017 is October 1, 2016 through September 30, 2017. The project will improve the operational safety at this intersection, improve the traffic circulation, and facilitate the movement of traffic efficiently along this corridor without widening the streets.

**PROJECT ALTERNATIVES**  
 No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
 Estimated project cost for design, ROW and construction is \$2.9M. Design is estimated at \$592,000, ROW is estimate at \$100,000, and construction \$2.2M. With LAPP grant funds the town's share for ROW and CON would be 20% of the total project cost; \$2,327,600 (\$1,862,080 federal; \$465,520 local).

<b>PROJECT STATUS</b>	Continuation - FY 2014
<i>Funds Approved to Date</i>	\$ 255,000
<i>Funds Expended to Date</i>	\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ 592,000	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	-	-	100,000	-	-	-	-
Construction	-	-	-	2,228,000	-	-	-
<b>Total Project Costs</b>	\$ -	\$ 592,000	\$ 100,000	\$ 2,228,000	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 471,500	\$ -	\$ -	\$ -	\$ -	\$ -
GO Bonds - Current Referendum - 2014	-	120,500	20,000	114,500	-	-	-
Grants - Future Application - FFY18 LAPP	-	-	80,000	2,113,500	-	-	-
<b>Total Funding Sources</b>	\$ -	\$ 592,000	\$ 100,000	\$ 2,228,000	\$ -	\$ -	\$ -

**TOTAL PROJECT COST: \$ 2,920,000**

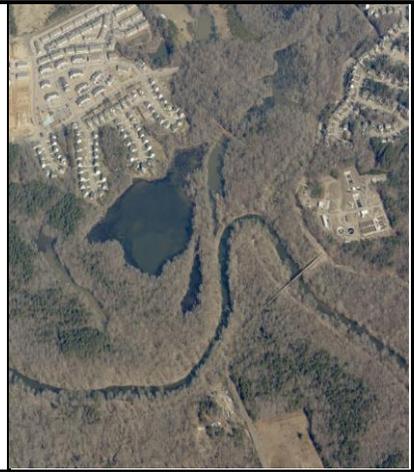
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> Medium
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<p style="text-align: center; margin: 0;"><b>PROJECT TITLE</b></p> <p style="text-align: center; margin: 10px 0 0 40px;"><i>Greenway -Passive/Active Park Greenway Connections</i></p>	<p style="text-align: center; margin: 0;"><b>TYPE OF PROJECT</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20px; border: 1px solid black;"></td><td style="border: 1px solid black;">1 -Health/Safety/Welfare</td></tr> <tr><td style="border: 1px solid black;"></td><td style="border: 1px solid black;">2 - Maintenance/Replacement</td></tr> <tr><td style="text-align: center; border: 1px solid black;">X</td><td style="border: 1px solid black;">3 - Existing Programs Expansion</td></tr> <tr><td style="border: 1px solid black;"></td><td style="border: 1px solid black;">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**  
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.

<b>PROJECT STATUS</b>	Continuation - FY 2015	
<i>Funds Approved to Date</i>	\$ 34,000	<i>Funds Expended to Date</i> \$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -
Purchase	-	-	100,000	-	100,000	-	-
Construction	-	34,000	-	450,000	-	450,000	-
Other - PAC 1%	-	500	2,000	4,500	2,000	4,500	-
<b>Total Project Costs</b>	\$ -	\$ 34,500	\$ 302,000	\$ 454,500	\$ 302,000	\$ 454,500	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 500	\$ 2,000	\$ 4,500	\$ 2,000	\$ 4,500	\$ -
GO Bonds - Current Referendum (2014)	-	34,000	-	-	-	-	-
GO Bonds - Future Referendum	-	-	300,000	450,000	300,000	450,000	-
<b>Total Funding Sources</b>	\$ -	\$ 34,500	\$ 302,000	\$ 454,500	\$ 302,000	\$ 454,500	\$ -

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

**CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> Low
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<b>PROJECT TITLE</b>  <i>Pedestrian and Bicycle Counters</i>	<b>TYPE OF PROJECT</b> <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**  
Multiyear project. Procurement, installation, and data management costs for pedestrian and bicycle counters for greenway and soft trail paths, and major park facilities.

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



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
Greenways Advisory Board - Soft Trail priority #5.

<b>PROJECT STATUS</b> <i>Funds Approved to Date</i>	Continuation - FY 2015 \$ -	<i>Funds Expended to Date</i>	\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ -
Purchase	-	-	10,000	15,000	20,000	15,000	-
Construction	-	-	15,000	10,000	10,000	10,000	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 55,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ -
GO Bonds	-	-	-	-	-	-	-
Grants - Future Appliation - NCDOT/ITRE/Other	-	-	25,000	25,000	30,000	25,000	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 55,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** **\$ 205,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**  
GTP

**SUBMITTED BY**  
Candace Davis/Chip Russell

**DEPARTMENTAL PRIORITY**  
High

**PROJECT TITLE**  
  
Greenway - Dunn Creek Greenway, Phase 4

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

**PROJECT DESCRIPTION**  
Preliminary engineering, ROW acquisition, and construction of Dunn Creek Greenway: Oak Grove Church Road to Flaherty Park and Sedgefield Subdivision. Approximately .28 miles of greenway.

**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. Staff will pursue a Wake County Open Space Program and/or Clean Water Management Trust Fund grant funds to support the preliminary engineering, ROW and construction of this project. The developer of Traditions-AR is constructing approximately .72 miles of this greenway.



**PROJECT ALTERNATIVES**  
No alternatives proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
Estimated project cost for preliminary engineering, ROW acquisition, and construction is \$720,000.

**PROJECT STATUS**  
Funds Approved to Date

Continuation - FY 2014  
\$ 406,000

Funds Expended to Date \$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ 156,000	\$ -	\$ -	\$ -	\$ -
Purchase	-	-	110,000	-	-	-	-
Construction	-	-	-	855,000	-	-	-
Contingency	-	-	-	91,000	-	-	-
Other- PAC 1%	-	-	2,000	8,500	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 268,000</b>	<b>\$ 954,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 2,000	\$ 99,500	\$ -	\$ -	\$ -
GO Bonds - Current Referendum (2014)	-	-	6,000	400,000	-	-	-
Grants - Future Application	-	-	260,000	455,000	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 268,000</b>	<b>\$ 954,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** \$ 1,222,500

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
GTP	Candace Davis/Chip Russell	High

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

**PROJECT DESCRIPTION**  
 Preliminary engineering, ROW acquisition, and construction of Dunn Creek Greenway: Town Property to NC 98 Business(Wait Avenue) to Oak Grove Church Road. 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 1.73 mile 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. Staff will also pursue a LAPP grant during the FFY2017 call for projects to support the cost of right-of-way and construction for the Dunn Creek Greenway, Phase 3 project. The Federal Fiscal Year (FFY) for 2017 is October 1, 2016 through September 30, 2017.



<b>PROJECT ALTERNATIVES</b>	<b>OPERATING IMPACT/OTHER COMMENTS</b>
No alternatives proposed.	Estimated project cost for preliminary engineering is \$906,600. Estimated project cost for ROW acquisition is \$300,000 and the estimated cost of construction is \$3,214,000. With LAPP grant funds the town's share would be 20% of the total project cost; ROW/CON --- \$3,514,000 total potential LAPP award (\$2,811,200 federal, \$707,800 local).

<b>PROJECT STATUS</b>	Continuation - FY 2014
<i>Funds Approved to Date</i>	\$ 392,000
<i>Funds Expended to Date</i>	\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ 544,000	\$ 363,000	\$ -	\$ -	\$ -	\$ -
Purchase	-	-	300,000	-	-	-	-
Construction	-	-	-	1,543,000	1,350,000	964,000	-
Other- PAC 1%	-	5,500	4,000	15,000	13,500	10,000	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 549,500</b>	<b>\$ 667,000</b>	<b>\$ 1,558,000</b>	<b>\$ 1,363,500</b>	<b>\$ 974,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 549,500	\$ 367,000	\$ 15,000	\$ 13,500	\$ 10,000	\$ -
GO Bonds - Current Referendum (2014)	-	-	-	392,000	-	-	-
Grants - Application Submitted - FFY17 LAPP	-	-	300,000	1,151,000	1,350,000	964,000	-
Grants - Future Application - Wake County Open Space Grant	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 549,500</b>	<b>\$ 667,000</b>	<b>\$ 1,558,000</b>	<b>\$ 1,363,500</b>	<b>\$ 974,000</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 5,112,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Greenway - Smith - Austin Creek Greenway	<b>TYPE OF PROJECT</b> <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**  
Preliminary engineering, ROW acquisition, construction for greenway trail: Basley Street to Cottonbrook Drive (Bowling Green) with an access point at Landen Drive (Willowdear) and Basley Street to Jones Dairy Road (Heritage Hills) bridge pedestrian underpass. Approximately 1.5 miles of trail.

**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. Staff will pursue a Wake County Open Space Program and/or Clean Water Management Trust Funds to support the preliminary engineering, ROW and construction of this project; \$1,9M.



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
The Heritage Hills section of this project is Greenways Advisory Board soft trail priority #3. Estimated project cost for preliminary engineering, ROW acquisition, and construction is \$2.2M.

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ 175,000	\$ -	\$ -	\$ -
Purchase	-	-	-	280,000	-	-	-
Construction	-	-	-	-	1,450,000	-	-
Contingency	-	-	-	-	290,000	-	-
Other- PAC 1%	-	-	-	2,000	17,500	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 457,000</b>	<b>\$ 1,757,500</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ 56,000	\$ 456,500	\$ -	\$ -
Grants - CWMTF Future Application	-	-	-	401,000	1,301,000	-	-
Grants - Future Application - Wake County Open Space Grant	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 457,000</b>	<b>\$ 1,757,500</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 2,214,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Chip Russell	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>
Sidewalk - W. Holding Avenue

<b>TYPE OF PROJECT</b>	
	1 - Health/Safety/Welfare
	2 - Maintenance/Replacement
X	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.



<b>PROJECT ALTERNATIVES</b>
None.

<b>OPERATING IMPACT/OTHER COMMENTS</b>
Costs shown are material costs.

<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 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	-	33,000	33,000	33,000	33,000	33,000	-
Contingency	-	-	-	-	-	-	-
<b>Total Project Costs</b>	\$ -	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ -
GO Bonds	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	\$ -	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ 33,000	\$ -

**TOTAL PROJECT COST:**      \$ 165,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Roadway - Northside 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**  
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 during the FFY2017 call for projects to support the cost of design, right-of-way and construction for the Northside Loop. The Federal Fiscal Year (FFY) for 2018 is October 1, 2017 through September 30, 2018.



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
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> <i>Funds Approved to Date</i>	Continuation - FY 2014	<i>Funds Expended to Date</i>	
	\$ 1,641,000		\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -
Purchase	-	-	-	-	3,000,000	-	-
Construction	-	-	-	-	10,000,000	-	-
Contingency	-	-	-	-	500,000	-	-
Other	-	-	-	-	-	100,000	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 13,500,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GO Bonds - Current Referendum (2014)	-	-	-	-	1,641,000	-	-
GO Bonds - Future Referendum	-	-	-	-	1,159,000	100,000	-
Grants - Future Application	-	-	-	500,000	5,700,000	-	-
Grants - CSX Contribution - Future Application	-	-	-	-	5,000,000	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 13,500,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 14,100,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**  
GTP

**SUBMITTED BY**  
Candace Davis/Chip Russell

**DEPARTMENTAL PRIORITY**  
High

**PROJECT TITLE**  
  
Roadway - US 1A Bike Lanes

**TYPE OF PROJECT**

	1 - Health/Safety/Welfare
	2 - Maintenance/Replacement
<b>X</b>	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.

**JUSTIFICATION**  
This project will complete the US-1A Bicycle Lanes Incidental Project R-3600. Design work is complete. The project was submitted during the SPOT 4.0 call for bike/ped projects as Priority #1. A 20% local match is required. Approximately \$10 million of Safe Routes to School (SRTS) from SAFETEA-LU is still available; and NCDOT has indicated that the SPOT 4.0 bicycle/pedestrian project submissions will be used to draw down these funds. This project may qualify for SRTS funding and all design, ROW, and construction costs would be 100% reimbursable.



**PROJECT ALTERNATIVES**  
None.

**OPERATING IMPACT/OTHER COMMENTS**  
With SPOT 4.0 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

\$	-
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	660,000	-	-	-
Contingency	-	-	-	-	-	-	-
<b>Total Project Costs</b>	\$ -	\$ -	\$ -	\$ 660,000	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ 132,000	\$ -	\$ -	\$ -
Grants - Future Application - SPOT 4.0	-	-	-	528,000	-	-	-
<b>Total Funding Sources</b>	\$ -	\$ -	\$ -	\$ 660,000	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:** **\$ 660,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT** GTP      **SUBMITTED BY** Candace Davis/Chip Russell      **DEPARTMENTAL PRIORITY** Medium

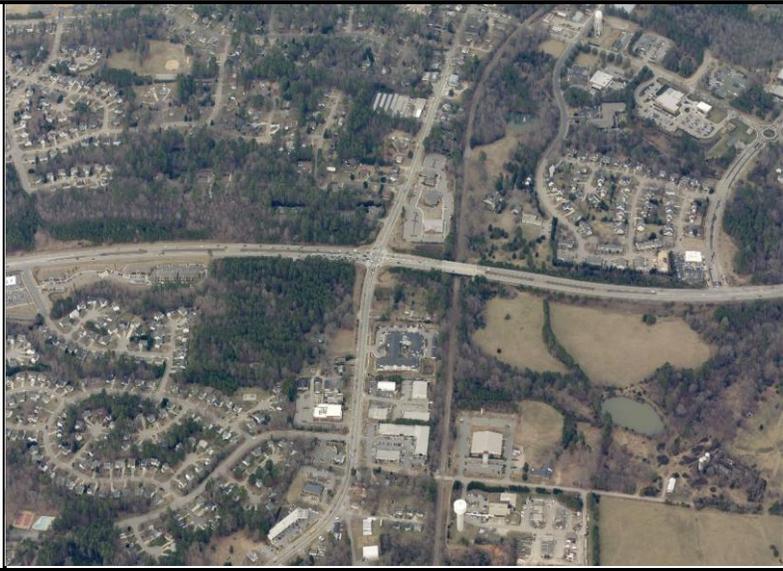
**PROJECT TITLE** Greenway - Wake Forest Bypass Greenway

**TYPE OF PROJECT**

	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 6.6 miles and pedestrian overpass.

**JUSTIFICATION**  
The project is consistent with the adopted Open Space and Greenway Plan. The project was submitted during the SPOT 4.0 call for bike/ped projects as Priority #2. A 20% local match is required. Approximately \$10 million of Safe Routes to School (SRTS) from SAFETEA-LU is still available; and NCDOT has indicated that the SPOT 4.0 bicycle/pedestrian project submissions will be used to draw down these funds. This project may qualify for SRTS funding and all design, ROW, and construction costs would be 100% reimbursable.



**PROJECT ALTERNATIVES**

None.

**OPERATING IMPACT/OTHER COMMENTS**

With SPOT 4.0 funds the town's share would be 20% of the total estimated project cost \$3,960,000 (\$3,168,000 federal; \$792,000 local).

**PROJECT STATUS** Continuation - FY 2015

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -
Purchase	-	-	-	-	250,000	-	-
Construction	-	-	-	-	-	3,000,000	-
Contingency	-	-	-	-	-	600,000	-
Other - PAC 1%	-	-	-	-	3,000	36,000	-
<b>Total Project Costs</b>	\$ -	\$ -	\$ -	\$ -	\$ 553,000	\$ 3,636,000	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ 303,000	\$ 468,000	\$ -
GO Bonds - Future Referendum	-	-	-	-	250,000	-	-
Grants - Future Application - SPOT 4.0/SRTS	-	-	-	-	-	3,168,000	-
<b>Total Funding Sources</b>	\$ -	\$ -	\$ -	\$ -	\$ 553,000	\$ 3,636,000	\$ -

**TOTAL PROJECT COST:**      \$ 4,189,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Greenway - Richland Creek Greenway	<b>TYPE OF PROJECT</b> <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					

**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 pedestrian bridge crossings proposed for this project.

**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 during the FFY2017 call for projects to support the cost of right-of-way and construction for the Richland Creek Greenway, Phase 1 project. The Federal Fiscal Year (FFY) for 2017 is October 1, 2016 through September 30, 2017.



<b>PROJECT ALTERNATIVES</b> None.	<b>OPERATING IMPACT/OTHER COMMENTS</b> Estimated project cost for preliminary engineering is \$684,700. Estimated project cost for ROW acquisition is 275,000 and the estimated cost of construction is \$2,418,500. With LAPP grant funds the town's share would be 20% of the total project cost; ROW/CON --- \$2,693,500 total potential LAPP award (\$2,154,800 federal, \$538,700 local).
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<b>PROJECT STATUS</b> Funds Approved to Date	Continuation - FY 2015 \$ -	Funds Expended to Date	\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ 685,000	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	-	-	275,000	-	-	-	-
Construction	-	-	-	2,418,500	-	-	-
Contingency	-	-	-	484,000	-	-	-
Other - PAC 1%	-	7,000	-	29,500	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 692,000</b>	<b>\$ 275,000</b>	<b>\$ 2,932,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 692,000	\$ 55,000	\$ 997,200	\$ -	\$ -	\$ -
Grants - Future Application - FFY18 LAPP	-	-	220,000	1,934,800	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 692,000</b>	<b>\$ 275,000</b>	<b>\$ 2,932,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

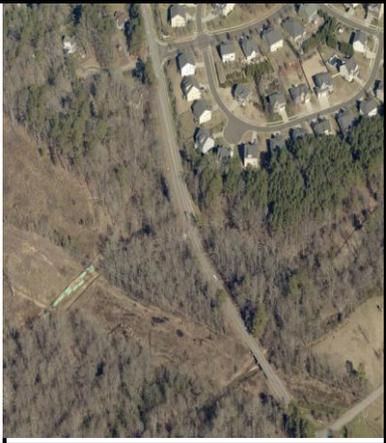
**TOTAL PROJECT COST: \$ 3,899,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
GTP	Candace Davis/Chip Russell	High

<b>PROJECT TITLE</b>	<b>TYPE OF PROJECT</b>					
Roadway - Ligon Mill Road Pedestrian Underpass	<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;">X</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	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**  
Construction funds to provide a pedestrian underpass or culvert to connect to the Smith Creek Greenway and sidewalk on Rogers Road. The existing bridge will be replaced with a five-lane bridge and a 10-ft. concrete greenway path within right of way limits, curb and gutter and 6-ft sidewalk along both sides of the project. A five-lane extension from the end of the project (Hope Lutheran Church driveway) to the existing five-lane section at the Rogers Road-Forestville Road/Heritage Lake Road intersection; including the cost to extend the aluminum box culvert to match the five-lane section. This work will compliment NCDOT's plans to replace bridge 910132 on Rogers Road.



**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. This project includes construction of a pedestrian underpass to connect to Smith Creek Greenway and sidewalk on the bridge replacement at Ligon Mill Road. NCDOT is coordinating a design-build project to replace Ligon Mill Road bridge(#126). Construction is anticipated during 2017 or 2018.

**PROJECT ALTERNATIVES**

No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**

\*NCDOT is coordinating a design-build project to replace Ligon Mill Road bridge (#126). The town would be responsible for the greenway underpass and sidewalk improvements on the bridge. Upon completion of the work, the Municipality shall reimburse the Department one hundred percent (100%).

<b>PROJECT STATUS</b>	Continuation - FY 2015	
Funds Approved to Date	\$ 200,000	Funds Expended to Date
		\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	350,000	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -
GO Bonds - Current Referendum (2014)	-	-	-	200,000	-	-	-
Developer fee in lieu ( <i>Whipporwill Road widening</i> )	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** \$ 350,000

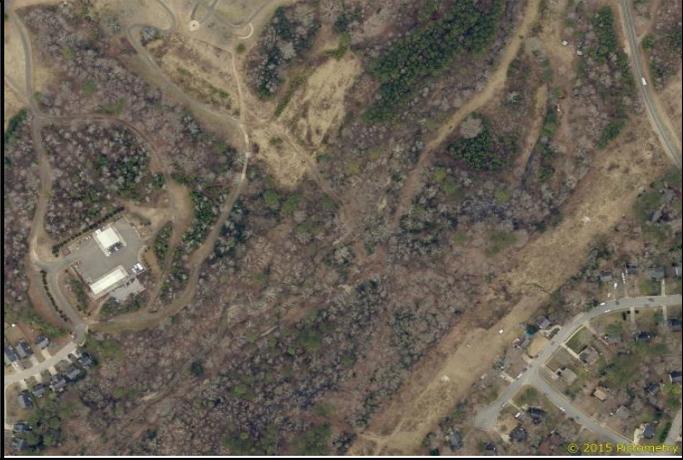
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Chip Russell/Candace Davis	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b> Greenway - Joyner Park Soft Trail - Pedestrian Bridge	<b>TYPE OF PROJECT</b>
	1 - Health/Safety/Welfare
	2 - Maintenance/Replacement
	X 3 - Existing Programs Expansion
	4 - New Program

**PROJECT DESCRIPTION**  
Preliminary engineering, environmental, and construction of a 10' wide bridge, 35' long. The bridge will be rated for an H-5 load.

**JUSTIFICATION**  
Implementation of the Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans for the Town of Wake Forest.  
When the town widens the path to a true greenway this bridge would still be viable. Building this bridge allows us to complete this soft trail segment and ultimately connect with the Cougar Trail.



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
Greenways Advisory Board Priority #1 soft trail. Prefabricated or concrete pedestrian bridges are recommended as they will provide a longer service life.

<b>PROJECT STATUS</b>	Continuation - FY 2014
<i>Funds Approved to Date</i>	\$ 417,000
<i>Funds Expended to Date</i>	\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ -
Construction	-	-	-	-	-	148,000	-
Other - PAC 1%	-	-	-	-	-	2,500	-
Other	-	-	-	-	-	209,000	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 419,500</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500	\$ -
GO Bonds - Current Referendum (2014)	-	-	-	-	-	417,000	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 419,500</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** \$ 419,500

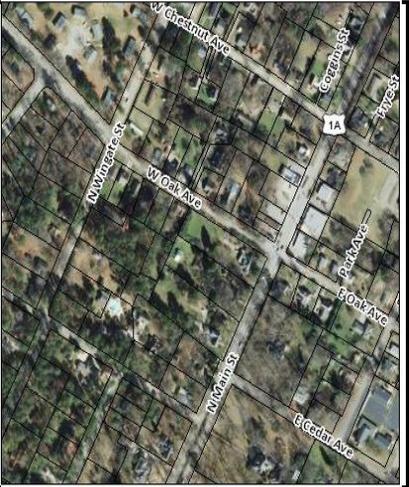
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Roadway - W. Oak Avenue	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare 2 - Maintenance/Replacement <b>X</b> 3 - Existing Programs Expansion 4 - New Program
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**PROJECT DESCRIPTION**  
Design, ROW acquisition and construction to complete pedestrian connections along W. Oak Avenue (SR1931): N. Wingate to N. Main Street (US-1A).

**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. In many cases, there are footworn paths indicating many pedestrians are striving to walk in a hostile environment.



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
A multi-use path will be installed on W. Oak Ave: Harris Rd to Abercrombie Rd. The town funded the design and environmental work for Priority Ped Corridors Project - Wait & W. Oak Ave. FY2013-2014.

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,400,000
<b>Total Project Costs</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GO Bonds - Future Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000
<b>Total Funding Sources</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000

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

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Greenway - Richland Creek Pedestrian Bridge -soft trail	<b>TYPE OF PROJECT</b> <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**  
Preliminary engineering, ROW acquisition, and construction of pedestrian bridge for the soft trail at Richland Creek. This bridge would provide access to the existing soft trail and switchback constructed by Eagle Scout Matthew Brown.

**JUSTIFICATION**  
Implementation of the adopted **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest. A fordable crossing (large rocks) is currently in place to provide pedestrian access across Richland Creek.



**PROJECT ALTERNATIVES**  
Continue to use current ford crossing.

**OPERATING IMPACT/OTHER COMMENTS**  
Prefabricated or concrete pedestrian bridges are recommended as they will provide a longer service life.

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 59,000	\$ -
Construction	-	-	-	-	-	200,000	-
Other - PAC 1%	-	-	-	-	-	3,000	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 262,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 262,000	\$ -
GO Bonds	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 262,000</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**      **\$ 262,000**

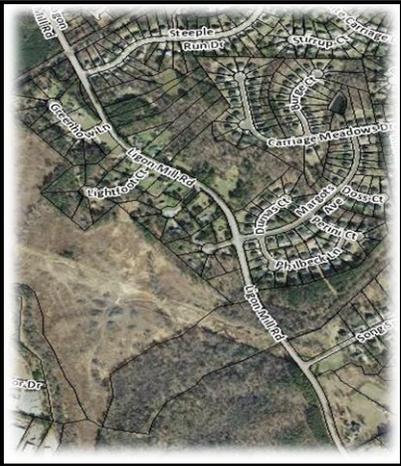
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
GTP	Candace Davis/Chip Russell	High

<b>PROJECT TITLE</b>	<b>TYPE OF PROJECT</b>								
Roadway - Ligon Mill Road Complete Streets	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </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								

**PROJECT DESCRIPTION**  
Design, ROW acquisition and construction to implement a Complete Streets vision along Ligon Mill Rd (SR2044) from S. Main Street (US-1A) 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.



<b>PROJECT ALTERNATIVES</b>	<b>OPERATING IMPACT/OTHER COMMENTS</b>
No alternative proposed.	With LAPP grant funds the town's share would be 20% of the total project cost.

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Purchase	-	-	-	-	-	-	250,000
Construction	-	-	-	-	-	-	2,500,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,100,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 620,000
GO Bonds - Future Referendum	-	-	-	-	-	-	480,000
Grants - Future Application - LAPP	-	-	-	-	-	-	2,000,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,100,000</b>

**TOTAL PROJECT COST: \$ 3,100,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Roadway - Jones Dairy Rd-Complete Streets	<b>TYPE OF PROJECT</b> <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 acquisition and construction to implement a Complete Streets vision along Jones Dairy Road (SR2053) from Dr. Calvin Jones Hwy (NC98) to Friesan Way. Improvements proposed within Wake Forest jurisdiction. The typical section includes 4-lane divided with wide striped shoulders, a 10' wide multi-use path and 5' wide sidewalks, high visibility crosswalks & ramps. Approximately 2.1 miles.

**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 preliminary engineering (design & environmental documentation) in future years.



**PROJECT ALTERNATIVES**  
No alternatives proposed.

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

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000
Purchase	-	-	-	-	-	-	250,000
Construction	-	-	-	-	-	-	2,000,000
Contingency	-	-	-	-	-	-	200,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,850,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 570,000
GO Bonds	-	-	-	-	-	-	-
Grants - Future Application - LAPP	-	-	-	-	-	-	2,280,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,850,000</b>

**TOTAL PROJECT COST: \$ 2,850,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Greenway - Safe Routes to School - Infrastructure Project - Richland Creek Elementary School	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare 2 - Maintenance/Replacement <b>X</b> 3 - Existing Programs Expansion 4 - New Program
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**PROJECT DESCRIPTION**  
Preliminary engineering, ROW acquisition, and construction of sidewalks and a greenway from Richland Creek ES to Wall/Harris Roads. Approximately 1.2 miles of GW/SW.

**JUSTIFICATION**  
Implementation of the adopted **Transportation, Bicycle & Pedestrian Plans** in areas that are not currently safe for students to access the campuses by walking to school. These improvements will significantly improve conditions for students who live within walking distance to Richland Creek ES. Staff will apply for Safe Routes to Schools grant funding to complete design and construction during future years. The NCDOT SRTS grant is 100% reimbursable. ROW costs are not reimbursable expenses.



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
Many of these sidewalk sections are critical missing pieces needed for efficient and safe pedestrian access to schools and work places. If the town receives SRTS grant funds the estimated reimbursement would be \$800,000.

<b>PROJECT STATUS</b> Funds Approved to Date	Continuation - FY 2014 \$ -	Funds Expended to Date	\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Purchase	-	-	-	-	-	-	55,000
Construction	-	-	-	-	-	-	600,000
Other - PAC 1%	-	-	-	-	-	-	8,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 863,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,000
GO Bonds	-	-	-	-	-	-	-
Grants - Future Application - SRTS	-	-	-	-	-	-	855,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 863,000</b>

**TOTAL PROJECT COST: \$ 863,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Sidewalk - Woodland Drive & S. Wingate	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare 2 - Maintenance/Replacement 3 - Existing Programs Expansion 4 - New Program
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**PROJECT DESCRIPTION**  
Design, ROW acquisition and construction to complete pedestrian connections along Woodland Drive: Tyler Run Drive to S. Wingate Street and S. Wingate: W. Sycamore Ave. to Kinvara Court. Approximately .5 mile of sidewalk improvements.

**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. In many cases, there are footworn paths indicating many pedestrians are striving to walk in a hostile environment. This project may qualify for SRTS funding and all design and construction costs would be 100% reimbursable. ROW cost would be at the towns expense.



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
The town completed a Safe Routes to Schools project in this vicinity. Estimated project cost for the Design, ROW and construction is \$800,000.

<b>PROJECT STATUS</b> Funds Approved to Date	Continuation - FY 2015 \$ -	Funds Expended to Date	\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Purchase	-	-	-	-	-	-	200,000
Construction	-	-	-	-	-	-	500,000
Other	-	-	-	-	-	-	6,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 806,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000
GO Bonds	-	-	-	-	-	-	-
Grants - Future Application - SRTS	-	-	-	-	-	-	800,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 806,000</b>

**TOTAL PROJECT COST: \$ 806,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**

Engineering

**SUBMITTED BY**

Holly Miller

**DEPARTMENTAL PRIORITY**

Low

**PROJECT TITLE**

*Toms Creek Greenway Trail*

**TYPE OF PROJECT**

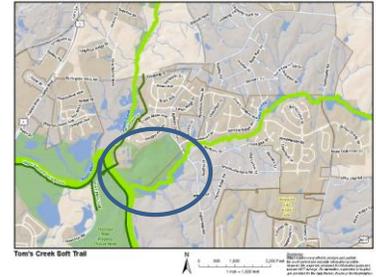
- 1 - Health/Safety/Welfare
- 2 - Maintenance/Replacement
- X** 3 - Existing Programs Expansion
- 4 - New Program

**PROJECT DESCRIPTION**

Preliminary engineering, ROW acquisition, construction from Ligon Mill Road (St. Andrews Subdivision) to Neuse River Bridge.

**JUSTIFICATION**

Implementation of the **Open Space & Greenways, Transportation, Bicycle & Pedestrian Plans** for the Town of Wake Forest.



**PROJECT ALTERNATIVES**

1) Delay project until funding is available

**OPERATING IMPACT/OTHER COMMENTS**

Greenways Advisory Board soft trail priority #2.

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2015

\$ -

*Funds Expended to Date*

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ 90,000	\$ -	\$ -	\$ -
Construction	-	-	-	725,000	-	-	-
Contingency	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 815,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GO Bonds - Future Referendum	-	-	-	815,000	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 815,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**\$ 815,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> GTP	<b>SUBMITTED BY</b> Candace Davis/Chip Russell	<b>DEPARTMENTAL PRIORITY</b> Low
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<b>PROJECT TITLE</b>  Greenway - Wake Forest MS Soft Trail	<b>TYPE OF PROJECT</b>	
	<input type="checkbox"/>	1 - Health/Safety/Welfare
	<input type="checkbox"/>	2 - Maintenance/Replacement
	<input checked="" type="checkbox"/>	3 - Existing Programs Expansion
	<input type="checkbox"/>	4 - New Program

**PROJECT DESCRIPTION**  
Preliminary engineering, ROW acquisition, construction and supplies for soft trail: S. Main Street to Heritage Shops (behind Shuckers).

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



**PROJECT ALTERNATIVES**

No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**

Greenways Advisory Board soft trail priority #4.

<b>PROJECT STATUS</b> <i>Funds Approved to Date</i>	Continuation - FY 2015 \$ -	<i>Funds Expended to Date</i>	\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Purchase	-	-	-	-	-	-	50,000
Construction	-	-	-	-	-	-	150,000
Other - PAC 1%	-	-	-	-	-	-	2,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 252,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 252,000
GO Bonds	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 252,000</b>

**TOTAL PROJECT COST: \$ 252,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**  
GTP

**SUBMITTED BY**  
Candace Davis/Chip Russell

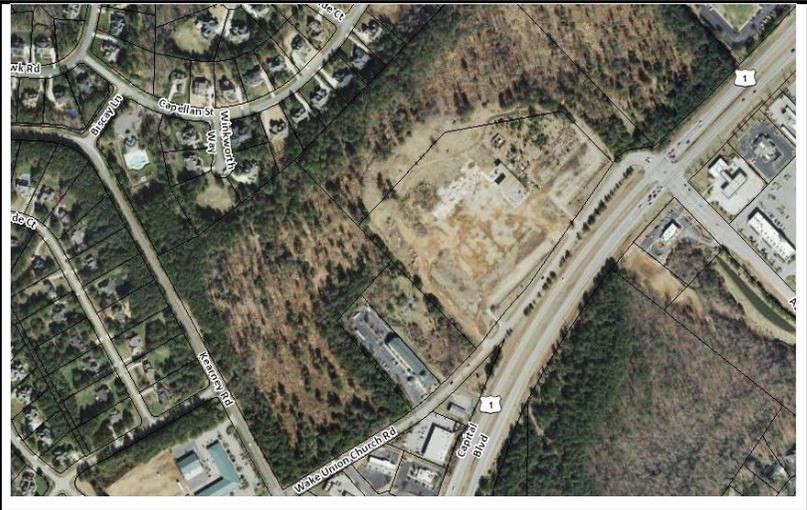
**DEPARTMENTAL PRIORITY**  
Low

**PROJECT TITLE**  
  
Greenway - Prestwicke Loop Soft Trail

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

**PROJECT DESCRIPTION**  
Preliminary engineering, ROW acquisition, construction and supplies for soft trail: Kearny Rd to Wake Union Church Rd. (trail route TBD).

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



**PROJECT ALTERNATIVES**  
No alternative proposed.

**OPERATING IMPACT/OTHER COMMENTS**  
Greenways Advisory Board - Soft Trail priority #5.

**PROJECT STATUS**  
Funds Approved to Date

Continuation - FY 2015	
\$	-

Funds Expended to Date

\$	-
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Purchase	-	-	-	-	-	-	25,000
Construction	-	-	-	-	-	-	150,000
Other - PAC 1%	-	-	-	-	-	-	2,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 202,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 202,000
GO Bonds	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 202,000</b>

**TOTAL PROJECT COST:** \$ 202,000

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

PROJECT TITLE	PRIORITY TYPE	PRIOR TO								TOTALS
		JULY 2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	Future Years		
1 Joyner Park - Phase II	H-4	\$ -	\$ 750,000	\$ 7,245,000	\$ 3,105,000	\$ -	\$ -	\$ -	\$ -	\$ 11,100,000
2 60' Bucket Truck w/Chip Dump (Urban Forestry)	M-3	-	-	140,000	-	-	-	-	-	140,000
3 Vehicle - Truck (Park Maint.)	M-3	-	50,000	-	-	-	-	-	-	50,000
4 Vehicle - Truck (Park Maint.)	M-3	-	-	35,000	-	-	-	-	-	35,000
5 Install Irrigation & Sod Flaherty Fields	M-2	-	155,000	115,000	95,000	-	-	-	-	365,000
6 Athletic Field Fence Replacement	M-2	155,000	100,000	-	-	300,000	-	-	-	555,000
7 Pickle Ball Courts	M-3	-	122,500	100,000	-	-	-	-	-	222,500
8 Sprayer (Park Maint.)	M-2	-	-	40,000	-	-	-	-	-	40,000
9 5-Unit Reel Mower (Park Maint.)	M-2	-	-	55,000	-	-	-	-	-	55,000
10 Wood Chipper (Urban Forestry)	M-3	-	-	45,000	-	-	-	-	-	45,000
11 Athletic Court Resurfacing (HHS)	M-2	25,000	-	45,000	-	-	-	-	-	70,000
12 Spraygrounds	M-4	328,500	-	350,000	350,000	350,000	-	-	-	1,378,500
13 Disc-Golf Course	L-4	-	-	75,000	-	-	-	-	-	75,000
14 Lights - Wake Forest Middle School Park	L-2	-	-	370,000	-	-	-	-	-	370,000
15 Flaherty Park Fields & Tennis Courts - Lights	M-2	-	-	-	270,000	270,000	270,000	-	-	810,000
16 Community Center (South of NC 98)	H-4	-	-	-	-	-	500,000	6,000,000	-	6,500,000
17 Community/Aquatic Center (Downtown)	H-4	-	-	-	-	-	-	15,000,000	-	15,000,000
18 Joyner Park Phase III	H-4	-	-	-	-	-	-	8,000,000	-	8,000,000
<b>TOTALS</b>		<b>\$ 508,500</b>	<b>\$ 1,177,500</b>	<b>\$ 8,615,000</b>	<b>\$ 3,820,000</b>	<b>\$ 920,000</b>	<b>\$ 770,000</b>	<b>\$ 29,000,000</b>	<b>\$ -</b>	<b>\$ 44,811,000</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 department includes \$11.1M of \$14.2M approved in the 2014 bond referendum funds allocated for Parks and Recreation.

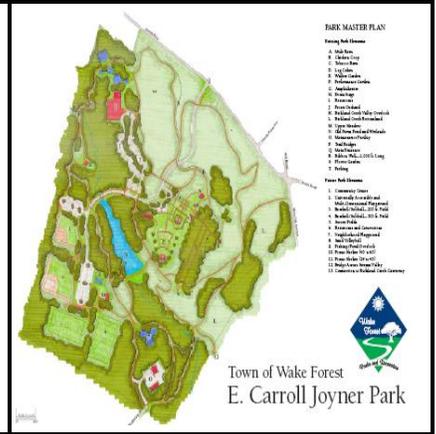
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> Parks, Recreation and Cultural Resources	<b>SUBMITTED BY</b> Ruben Wall	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  <i>E. Carroll Joyner Park Development - Phase II</i>	<b>TYPE OF PROJECT</b>
	1 - Health/Safety/Welfare
	2 - Maintenance/Replacement
	3 - Existing Programs Expansion
	<b>X</b> 4 - New Program

**PROJECT DESCRIPTION**  
The Town has completed the Master Plan for the development of this 117 acre park. Proposed uses include: community center, ball fields, soccer fields, playgrounds, picnic areas, trails, restoration of farm buildings and pecan grove, installation of a cover over the amphitheater.

**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 also increase 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 also voice concerns about the damage to instruments due to the heat. The cover would greatly enhance the potential usage of the facility.



<b>PROJECT ALTERNATIVES</b> Partner with the new Richland Creek School to use space.	<b>OPERATING IMPACT/OTHER COMMENTS</b> *We are in desperate need of a large recreation center and more athletic fields. This new facility would decrease our rental needs with school system and we could grow existing programs and athletic leagues. *Master Plan 2005
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<b>PROJECT STATUS</b> <i>Funds Approved to Date</i>	Continuation - FY 2014 \$ 11,100,000	<i>Funds Expended to Date</i>	\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ 742,500	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	7,172,550	3,073,950	-	-	-
Contingency	-	-	-	-	-	-	-
Other - PAC	-	7,500	72,450	31,050	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 750,000</b>	<b>\$ 7,245,000</b>	<b>\$ 3,105,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GO Bonds - Current Referendum (2014)	-	750,000	7,245,000	3,105,000	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 750,000</b>	<b>\$ 7,245,000</b>	<b>\$ 3,105,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** \$ 11,100,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**SUBMITTED BY**

Ruben Wall/Jennifer Rall

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

60' Bucket Truck with Chip Dump

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

Purchase a 60' boom bucket truck with a chip dump bed to allow Urban Forestry staff to prune or remove trees up to 60' in height along streets, greenways and on town property. Incorporated chip dump bed eliminates the need for a second vehicle to remove debris from work site.

**JUSTIFICATION**

This vehicle will allow Urban Forestry staff to safely access most street trees and many trees along the greenways and public spaces, to conduct routine pruning on a cyclical basis, and remove dead or weak trees and limbs before they can fall and cause personal injury or property damage. Bringing tree pruning and removal work in-house is expected to improve level of service to residents, lower response times, and lower costs compared to our current contractors. A two-person crew with a bucket truck could work 8-hours a day, 5 days a week to prune trees long overdue for maintenance. An in-house crew with appropriate equipment could also respond quicker to resident requests without negatively impacting routine pruning work cycle.



**PROJECT ALTERNATIVES**

- 1) Continue to contract aerial tree maintenance services at \$75/man-hour (3-person crew working 3-5 days per month.
- 2) Require permit process for residents wishing to have trees pruned/removed in a more timely manner.
- 3) Rely on Town staff with climbing experience and equipment to perform work; tree climbing is a much slower process and not able to be performed in all trees; staff would require special climbing equipment and a standard work truck costing approximately \$56,000.

**OPERATING IMPACT/OTHER COMMENTS**

- 1) Increased capacity to meet resident demands.
  - 2) Estimated decreases in pruning and removal costs from \$75 per hour (contracted) to \$33 per hour (in-house staff).
  - 3) Incorporating the chip dump bed will save \$30,000 over the cost of purchasing two separate vehicles, reduce maintenance to one vehicle, and eliminate the need to find a location to stage two vehicles.
  - 4) Estimated lifespan of 10 years.
- \*Master Plan 2015

**PROJECT STATUS**

Funds Approved to Date

New Project - FY 2017
\$ -

Funds Expended to Date

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ 140,000	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 140,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	-	140,000	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 140,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**\$ 140,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> Parks, Recreation and Cultural Resources	<b>SUBMITTED BY</b> Ruben Wall/Josh Glover	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Vehicle-Truck	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare 2 - Maintenance/Replacement <b>X</b> 3 - Existing Programs Expansion 4 - New Program
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**PROJECT DESCRIPTION**  
Single cab, 4x4, dual wheel, diesel engine, automatic transmission, towing package

**JUSTIFICATION**  
Mode of transportation is needed for Maintenance Crew Supervisor. Currently, there is no vehicle available for the supervisor to visit parks and monitor crews. This vehicle also needs the ability to haul a large trailer with equipment, as well as allowing the supervisor to prioritize work and assist where it is essential.



**PROJECT ALTERNATIVES**  
Ride with a crew in another truck. However, this does not allow the supervisor a means of transportation to monitor work of other crews throughout the day.

**OPERATING IMPACT/OTHER COMMENTS**  
\*Employee is currently using their personal vehicle  
\*Enhanced services, parks will look better as a result of allowing freedom to possibly work in all parks in one day.  
\*Master Plan 2015

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

New Project - FY 2017	\$ -
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*Funds Expended to Date*

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	50,000	-	-	-	-	-
<b>Total Funding Sources</b>	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -

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

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**SUBMITTED BY**

Ruben Wall/Josh Glover

**DEPARTMENTAL PRIORITY**

Medium

PROJECT TITLE
Vehicle-Truck

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

**PROJECT DESCRIPTION**  
Extended cab gas engine automatic transmission and towing package

**JUSTIFICATION**  
Mode of transportation is needed for the Maintenance Superintendent to be in the parks and meet other obligations without other crew members, allowing them to stay on job site performing tasks. The truck is needed to load materials and tools, with the occasional hauling of a trailer and equipment.



**PROJECT ALTERNATIVES**

Use personal vehicle, which doesn't allow for any hauling ability to carry any tools/materials.

**OPERATING IMPACT/OTHER COMMENTS**

\*This will enable job site training for subordinates and the ability to travel to parks to monitor and guide staff.  
\*Master Plan 2015

**PROJECT STATUS**

Funds Approved to Date

New Project - FY 2017
\$ -

Funds Expended to Date

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ 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 2015	2016-17	2017-18	2018-19	2019-20	2020-21	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 2016 - 2021**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**SUBMITTED BY**

Ruben Wall/Josh Glover

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Installation of Irrigation and Sod at Flaherty Park Baseball/Softball Fields*

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

**PROJECT DESCRIPTION**

This is to install a new irrigation system on all 3 fields. The project will consist of building the sand-based, grass infields and permanent clay mounds on fields 2 & 3, as well as installing sod on all three fields. This would take place over 3 years.

**JUSTIFICATION**

Not much can be done to improve these fields without adding an irrigation system. Weeds have overtaken these fields; eradication of the weeds will leave bare spots which would be a safety concern for players. Installation of an irrigation system, tapping in to city water, would allow for sod to be installed and maintained. Building of grass infields would be to accommodate program needs and the sand-based structure 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. Included in first-year cost is a reel mower appropriate for mowing athletic fields.



**PROJECT ALTERNATIVES**

Continue to provide the minimal maintenance to these fields and plan to budget for 2 applications of a pre-emergent for new weeds, leaving existing weeds.

**OPERATING IMPACT/OTHER COMMENTS**

1) This would be a good step in the direction in making Flaherty the towns premier facility.  
2) Two (2) fields would be renovated in 2017-18, one (1) in 2018-19 to allow programming to still take place.  
\*Master Plan 2015

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2016
\$ -

*Funds Expended to Date*

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-2	Future Years
Construction	\$ -	\$ 155,000	\$ 115,000	\$ 95,000	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 155,000</b>	<b>\$ 115,000</b>	<b>\$ 95,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 155,000	\$ 115,000	\$ 95,000	\$ -	\$ -	\$ -
					-		
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 155,000</b>	<b>\$ 115,000</b>	<b>\$ 95,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**\$ 365,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**

Parks, Recreation & Cultural Resources

**SUBMITTED BY**

Ruben Wall/Edward Austin

**DEPARTMENTAL PRIORITY**

Medium

PROJECT TITLE
<i>Athletic Fields Fence Replacement</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 of fencing at athletic fields.

**JUSTIFICATION**  
The current fencing is showing signs of wear, and repairs can be more time-consuming and costly. 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.

We are completing the fence replacement in phases.  
A) Forrest Field fencing was replaced in FY 2014-15.  
B) Flaherty Park will be replaced in FY 2015-16.  
C) FY 2016-17 - Tyler Run, Ailey Young & WF Middle School Park (\$100,000)  
D) FY 2019-20 - Heritage High (\$300,000)



**PROJECT ALTERNATIVES**

None.

**OPERATING IMPACT/OTHER COMMENTS**

\*Without a replacement program, safety hazards could create the necessity of facility closure.  
\*No general maintenance/repair needed initially.  
\*Master Plan 2015

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2015	
\$	155,000

*Funds Expended to Date*

\$	31,853
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ 155,000	\$ 100,000	\$ -	\$ -	\$ 300,000	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ 155,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 155,000	\$ 100,000	\$ -	\$ -	\$ 300,000	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ 155,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 555,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Parks, Recreation and Cultural Resources

**SUBMITTED BY**  
Ruben Wall

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
*Pickleball Courts*

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

**PROJECT DESCRIPTION**  
Installation of dedicated pickleball courts. The work would include removal of grass and grading area for new courts, current asphalt, installing and compacting crushed stones base course, as well as installing fencing, lighting, paint playing lines, install posts and nets. In addition, a lighting system and remote control equipment would be installed.

**JUSTIFICATION**  
Pickleball has grown tremendously over the past several years. We have modified our existing basketball and tennis courts to meet the growing demands, however, this is shared space. Installing a dedicated pickleball court would decrease the demands on the other courts.

FY 2016-17: Wake Forest Middle School - Courts and Lighting System  
FY 2017-18: Flaherty Park - Courts



**PROJECT ALTERNATIVES**

Continue using shared space on existing basketball and tennis courts.

**OPERATING IMPACT/OTHER COMMENTS**

\*Low operating impact  
\*This would relieve the demands on existing courts  
\*Master Plan 2015

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

Continuation - FY 2016
\$ -

*Funds Expended to Date*

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	37,500	100,000	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 122,500</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 122,500	\$ 100,000	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 122,500</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** **\$ 222,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**SUBMITTED BY**

Ruben Wall/Josh Glover

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Sprayer*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

John Deere Sprayer

**JUSTIFICATION**

Requisition of a high quality sprayer will allow for better, safer, and more budget-friendly turf maintenance. This would allow for spraying at low volumes at very accurate rates and would be something that can be done more often.



**PROJECT ALTERNATIVES**

Current sprayer runs off of a tractor. It is unreliable, sprays at inaccurate rates, and more appropriate as farm equipment.

**OPERATING IMPACT/OTHER COMMENTS**

\*More can be accomplished with a quality sprayer. Granular products can sometimes be applied in liquid form allowing for lower toxicity, which is better athletes playing on the fields.  
\*Master Plan 2015

**PROJECT STATUS**

*Funds Approved to Date*

New Project - FY 2017

\$ -

*Funds Expended to Date*

\$ -

<b>CAPITAL COST BREAKDOWN</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
Equipment	\$ -	\$ -	\$ 40,000	\$ -	\$ -		\$ -
Contingency	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>FUNDING SOURCE(S)</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
General Fund	\$ -	\$ -	\$ -		\$ -		\$ -
Installment Purchase	-	-	40,000	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**\$ 40,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**SUBMITTED BY**

Ruben Wall/Josh Glover

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

5-Unit Reel mower

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

5-Unit Reel mower

**JUSTIFICATION**

Requisition of this piece of equipment will allow us to properly maintain the turf on our athletic fields. It will provide a better quality cut while cutting at a lower height which will give us a safer field for players. This will also allow us to get back within the realms of our contracts with Heritage High School and CASL at Smith Creek Soccer Center. Cutting width is nearly 10 ft, doubling the width of our current zero turn mowers, reducing mowing time or providing opportunity to mow more often, which is needed.



**PROJECT ALTERNATIVES**

As current operations, use more employees and mow less often.

**OPERATING IMPACT/OTHER COMMENTS**

\*This piece of equipment will enhance the quality of playing surfaces which would put us in line with our contracts with Heritage High School and CASL at Smith Creek Soccer Center.  
- Use fewer employees and mow area more often  
\*Master Plan 2015

**PROJECT STATUS**

Funds Approved to Date

New Project - FY 2017

\$ -

Funds Expended to Date

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Equipment	\$ -	\$ -	\$ 55,000	\$ -	\$ -		\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 55,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	-	55,000	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 55,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**\$ 55,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM**

<b>DEPARTMENT</b> Parks and Recreation	<b>SUBMITTED BY</b> Ruben Wall/Jennifer Rall	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  12" Capacity Wood Chipper	<b>TYPE OF PROJECT</b>
	1 -Health/Safety/Welfare
	2 - Maintenance/Replacement
	<b>X</b> 3 - Existing Programs Expansion
	4 - New Program

**PROJECT DESCRIPTION**  
Purchase a 12" capacity wood chipper for Urban Forestry staff to efficiently dispose of woody debris generated by tree pruning and removal activities.

**JUSTIFICATION**  
Allows wood waste from Urban Forestry operations to be efficiently chipped and transported. This allows for more work to be done before dumping, without adding to the workload of the Yard Waste Division. The availability of a second chipper would also reduce the workload upon Public Works Department staff during site clearing and Christmas tree disposal activities, and increase the Town's ability to clear the streets of debris following severe weather events. Wood chips would be used to mulch street and park trees, reducing the cost of purchasing mulch.



**PROJECT ALTERNATIVES**

(1) Place waste materials by roadside for collection by Yard Waste Division  
 (2) Transport unchipped material to disposal sites (dependent on availability of dump truck).  
 (3) Current pruning/removal contractor charges \$65 disposal fee per load of debris.

**OPERATING IMPACT/OTHER COMMENTS**

1) Allows staff to prune and/or remove more trees per week.  
 2) Offsets workload on Yard Waste and Electric Department Tree Trimming Divisions.  
 3) Chipped wood would be used to mulch street trees, reducing cost of purchasing mulch. Would require fuel and maintenance. Estimated lifespan of 7 years.  
 \*Master Plan 2015

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Equipment	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	-	45,000	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Parks, Recreation & Cultural Resources

**SUBMITTED BY**

Ruben Wall/Josh Glover

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Athletic Court Resurfacing (HHS)*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

As part of the Level 4 agreement, the Town is responsible for the maintenance of the tennis and basketball courts at Heritage High School. The courts need to be resurfaced every 5-8 years. The work would include cleaning and scraping courts of debris; removal of weeds and grass; clean out cracks and patch; fill in depressions; apply two coats for resurfacing and finish coat; paint playing lines; reinstallation of posts and nets.

**JUSTIFICATION**

Due to increased use of the athletic courts by the Wake Forest Tennis Association, interscholastic teams and the general public the courts require periodic resurfacing. The courts are showing some normal deterioration which could create safety hazards to players in the future: 4 court (of 8) courts were done at Flaherty in FY 2013-14 and 4 courts are scheduled to be done in spring on 2016.

Heritage High Tennis & Basketball Courts: 2016-17 (\$30,000)



**PROJECT ALTERNATIVES**

If repairs are not made periodically, facilities will eventually have to be closed due to safety concerns.

**OPERATING IMPACT/OTHER COMMENTS**

\*Without a resurfacing plan/program, safety hazards will create the necessity to discontinue use of the facilities.  
\*Master Plan 2015

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2014

\$ 25,000

*Funds Expended to Date*

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Construction	\$ 25,000	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
Total Project Costs	\$ 25,000	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 25,000	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 25,000	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:**

**\$ 70,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**SUBMITTED BY**

Ruben Wall

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Spraygrounds/Water Features*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

Add new sprayground water features at four (4) facilities/parks.

**JUSTIFICATION**

Spray ground water features cost much less to construct and maintain and they do not require staff supervision. As the population continues to grow the demand on the current resources continues to grow. With only one aquatic facility we have no alternatives when the pool is closed for costly repairs. By adding these features we can provide services to more citizens with less expense. Taylor Street Parks sprayground will be installed in the Spring/Summer of 2016. This was done using CDBG funds 80/20 match awarded to Wake County.

- 1) Joyner Park - \$350,000 (2017-18)
- 2) Holding Park - \$350,000 (2018-19)
- 3) Flaherty Park - \$350,000 (2019-20)



**PROJECT ALTERNATIVES**

We will continue to use the existing pool, however, the maintenance cost will continue to increase annually.

**OPERATING IMPACT/OTHER COMMENTS**

\*The current demands for aquatic facilities has outgrown the resources. Installing spraygrounds is less expensive and does not require staff to monitor.  
\*Master Plan 2015

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2014

\$ 328,350

*Funds Expended to Date*

\$ 65,672

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Construction	\$ 328,500	\$ -	\$ 350,000	\$ 350,000	\$ 350,000	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ 328,500</b>	<b>\$ -</b>	<b>\$ 350,000</b>	<b>\$ 350,000</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 65,820	\$ -	\$ 175,000	\$ 175,000	\$ 175,000	\$ -	\$ -
Grants - CDBG/PART-F - Awarded	262,680	-	-	-	-	-	-
Grants - Future Application	-	-	175,000	175,000	175,000	-	-
<b>Total Funding Sources</b>	<b>\$ 328,500</b>	<b>\$ -</b>	<b>\$ 350,000</b>	<b>\$ 350,000</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**\$ 1,378,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Park, Recreation and Cultural Resources

**SUBMITTED BY**

Ruben Wall

**DEPARTMENTAL PRIORITY**

Low

PROJECT TITLE
Disc Golf Course

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

**PROJECT DESCRIPTION**  
Construct disc golf course on Town property (80 acres near Heritage High School).

**JUSTIFICATION**  
The request for this facility is increasing each year. As the town grows citizens are seeking more recreational activities.



**PROJECT ALTERNATIVES**  
Portable disc golf course, however, this would be a temporary solution.

**OPERATING IMPACT/OTHER COMMENTS**  
\*This would be an added feature within the town to meet a growing demand. Disc golf is a low impact sport that can be enjoyed by all ages.  
\*Master Plan 2015

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2015
\$ -

*Funds Expended to Date*

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Construction	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**\$ 75,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**

Parks, Recreation & Cultural Resources

**SUBMITTED BY**

Ruben Wall/Edward Austin

**DEPARTMENTAL PRIORITY**

Low

**PROJECT TITLE**

*Replacement of lighting system - Wake Forest Middle School Park (softball field and football field)*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

Replacement of existing lighting system and installation of lighting and remote control and monitoring equipment for the softball and football fields at Wake Forest Middle School/Park.

**JUSTIFICATION**

The existing lighting systems are reaching the end of the expected life span and will begin to incur large expenditures to maintain required light levels.



**PROJECT ALTERNATIVES**

None.

**OPERATING IMPACT/OTHER COMMENTS**

\*Installation of new lighting with remote control and monitoring system will extend the life of the lamps/system, reducing the ongoing maintenance costs of an out-of-date lighting system.  
\*No general maintenance/repair needed, 25 year warranty.  
\*Master Plan 2015

**PROJECT STATUS**

Continuation - FY 2016

*Funds Approved to Date*

\$ -

*Funds Expended to Date*

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ 370,000	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
Total Project Costs	\$ -	\$ -	\$ 370,000	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 370,000	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ 370,000	\$ -	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:**

**\$ 370,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**

Parks, Recreation & Cultural Resources

**SUBMITTED BY**

Ruben Wall/Edward Austin

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Replacement of lighting systems-  
Flaherty Park fields and tennis courts*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

Replacement of existing lighting system and installation of lighting and remote site monitoring equipment for the fields and tennis courts at J. B. Flaherty Park. Included in the purchase is a 25-year contract for Control Link monitoring/service and lamp maintenance/replacement.

**JUSTIFICATION**

The existing lighting systems are reaching the end of the expected life span, and will begin to incur large expenditures to maintain required light levels.



**PROJECT ALTERNATIVES**

None. Over time the lighting system should be updated to conserve energy and reduce cost

**OPERATING IMPACT/OTHER COMMENTS**

\*Installation of new remote site monitoring services will extend the life of the lamps/system, reducing the ongoing maintenance costs of an out-of-date lighting system.  
\*No general maintenance/repair costs, 25 year warranty.  
\*Master Plan 2015

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2016

\$ -

*Funds Expended to Date*

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ 270,000	\$ 270,000	\$ 270,000	\$ -
Other	-	-	-	-	-	-	-
Total Project Costs	\$ -	\$ -	\$ -	\$ 270,000	\$ 270,000	\$ 270,000	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ 270,000	\$ 270,000	\$ 270,000	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ 270,000	\$ 270,000	\$ 270,000	\$ -

**TOTAL PROJECT COST:**

**\$ 810,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**SUBMITTED BY**

Ruben Wall

**DEPARTMENTAL PRIORITY**

High

**PROJECT TITLE**

*Community Center  
(South of NC 98 across Capital Blvd.)*

**TYPE OF PROJECT**

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

\*The impact of not planning to build more facilities could have a major negative impact on the services we offer. We currently have one large community center and one scheduled to be built at Joyner Park in the coming years. If we don't continue to build facilities we may have to cap program numbers which creates more wait list time and does not reflect positively with our citizens.  
\*Master Plan 2015

**PROJECT STATUS**

*Funds Approved to Date*

New Project - FY 2017

\$ -

*Funds Expended to Date*

\$ -

<b>CAPITAL COST BREAKDOWN</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -
Construction	-	-	-	-	-	-	6,000,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 6,000,000</b>

<b>FUNDING SOURCE(S)</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GO Bonds - Future Referendum	-	-	-	-	-	500,000	6,000,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 6,000,000</b>

**TOTAL PROJECT COST:**

**\$ 6,500,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**SUBMITTED BY**

Ruben Wall

**DEPARTMENTAL PRIORITY**

High

**PROJECT TITLE**

*Community Center (Downtown)*

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

**PROJECT DESCRIPTION**

As the Town's population continues to grow, this facility would serve citizens in the central part of downtown Wake Forest. The recent Master Plans noted a lack of services in this area. Proposed uses include: community center, aquatic facility, playgrounds, picnic areas and trails.

**JUSTIFICATION**

This facility would serve the downtown area. 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 centrally located facility in the downtown area.



**PROJECT ALTERNATIVES**

Partner with schools and churches to use shared space.

**OPERATING IMPACT/OTHER COMMENTS**

\*The impact of not planning to build more facilities could have a major negative impact on the services we offer. We currently have one large community center and one scheduled to be built at Joyner Park in the coming years. If we don't continue to build facilities we may have to cap program numbers which creates more wait list time and does not reflect positively with our citizens.  
\*Master Plan 2015

**PROJECT STATUS**

*Funds Approved to Date*

New Project - FY 2017
\$ -

*Funds Expended to Date*

\$ -
------

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -		\$ -	\$ -		\$ 1,000,000
Construction	-	-			-		14,000,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GO Bonds - Future Referendum	-	-			-	-	15,000,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000,000</b>

**TOTAL PROJECT COST:**

**\$ 15,000,000**

**TOWN OF WAKE FOREST**  
**CAPITAL IMPROVEMENTS PROGRAM**  
**CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Parks, Recreation and Cultural Resources

**SUBMITTED BY**

Ruben Wall

**DEPARTMENTAL PRIORITY**

High

**PROJECT TITLE**

*E. Carroll Joyner Park Development - Phase III*

**TYPE OF PROJECT**

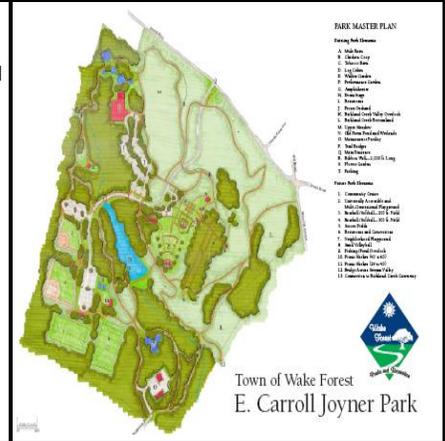
- 1 - Health/Safety/Welfare
- 2 - Maintenance/Replacement
- 3 - Existing Programs Expansion
- X** 4 - New Program

**PROJECT DESCRIPTION**

The Town has completed the Master Plan for the development of this 117 acre park. Proposed uses include: community center, ball fields, soccer fields, playgrounds, picnic areas, trails, restoration of farm buildings and pecan grove, installation of a cover over the amphitheater. Phase III would include adding athletic fields, picnic shelters, additional restrooms and a playground would be the final phase of the project.

**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 also increase which makes the development of this park an essential project that is critical to enhancing the quality of life for our citizens. The master plan designates space for 4 athletic fields. Which the current demands for athletic fields, this facility will be essential to keep up with the growing demands.



**PROJECT ALTERNATIVES**

Partner with the schools and churches to use space.

**OPERATING IMPACT/OTHER COMMENTS**

\*We are in demand for more athletic fields is increasing each year. This new facility would give us more flexibility and it we could accommodate the growing demands. We have several joint use agreements that could possibility be dissolved if these facilities are build. Funds are included in FY 13-14 to update the master plan which will facilitate phase II and III of Joyner Park development.  
 \*Master Plan 2015

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2015

\$ -

*Funds Expended to Date*

\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 500,000
Construction	-	-					7,420,000
Other - PAC	-	-					80,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,000,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GO Bond - Future Referendum	-	-					8,000,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,000,000</b>

**TOTAL PROJECT COST: \$ 8,000,000**

Capital Improvement Plan  
**PUBLIC WORKS - ELECTRIC SUMMARY - BY PROJECT**

PROJECT TITLE	PRIORITY TYPE	PRIOR TO					FUTURE		TOTALS
		JULY 2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	YEARS	
1 Line Construction/System Improvements RF Load Management Switches/Meters and	M-2	\$ 700,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ -	\$ 5,200,000
2 Outage Management	M-2	425,900	626,400	-	-	-	-	-	1,052,300
3 3 Phase Meter Test System - Replacement	M-2	-	32,500	-	-	-	-	-	32,500
4 Transit Van	M-3	-	-	48,000	-	-	-	-	48,000
5 3 Reel Wire Trailer	M-3	-	-	-	70,000	-	-	-	70,000
6 Four Position Watt-Hour Meter Test Board	M-3	-	-	-	-	-	90,000	-	90,000
<b>TOTALS</b>		<b>\$ 1,125,900</b>	<b>\$ 1,558,900</b>	<b>\$ 948,000</b>	<b>\$ 970,000</b>	<b>\$ 900,000</b>	<b>\$ 990,000</b>	<b>\$ -</b>	<b>\$ 6,492,800</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

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
Electric	Mike Barton	Medium

<b>PROJECT TITLE</b>	<b>TYPE OF PROJECT</b>								
<i>Line Construction/System Improvements</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 10%;"></td><td>1 - Health/Safety/Welfare</td></tr> <tr><td style="text-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**  
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.

<b>PROJECT STATUS</b>	Annual Project
<i>Funds Approved to Date</i>	<i>Funds Expended to Date</i>
\$ 700,000	\$ 251,000

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ 40,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -
Construction	660,000	850,000	850,000	850,000	850,000	850,000	-
<b>Total Project Costs</b>	<b>\$ 700,000</b>	<b>\$ 900,000</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Electric User Fees/Other Revenues	\$ 700,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ 900,000	\$ -
<b>Total Funding Sources</b>	<b>\$ 700,000</b>	<b>\$ 900,000</b>	<b>\$ -</b>				

**TOTAL PROJECT COST:** **\$ 5,200,000**

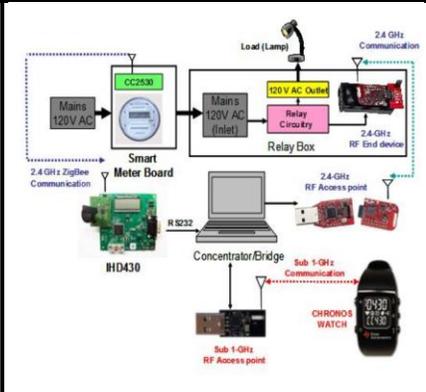
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> Electric	<b>SUBMITTED BY</b> Mike Barton	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  <i>RF Load Management Switches/Meters and Outage Management</i>	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare 2 - Maintenance/Replacement 3 - Existing Programs Expansion 4 - New Program
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**PROJECT DESCRIPTION**  
 Replace existing Load Management switches and meters with RF capable devices. Installation of an Outage Management System with IVR (interactive voice response) capabilities.

**JUSTIFICATION**  
 Current switches do not give us any indication that they are working when they are sent signal to operate. New switches will give us that information which will ensure credits are being given for the device that is being managed. New meters will allow for reading the meters anytime regardless of the status of our distribution system. They will also allow for more options for Finance and Electric to offer residents. The Outage Management System will allow for real time outage information not only Town staff but residents as well. The IVR system will accurately record outage information.



**PROJECT ALTERNATIVES**  
 Keep existing switches for a few more years and hope the sending unit does not breakdown and keep existing Powerline Carrier meter system.

**OPERATING IMPACT/OTHER COMMENTS**  
 Knowing when a switch has been deactivated without our knowledge will allow us to re-activate the switch so credits are accurate for the accounts. Cutting a meter seal or interfering with a Load Management device is illegal. Cost estimated on 2,500 units @ \$150 each. Meter switch has a current estimate of \$1,000,00 to switch to RF. Outage Management System is estimated at \$110,000.

<b>PROJECT STATUS</b>	Annual Project
<i>Funds Approved to Date</i>	\$ 425,900
<i>Funds Expended to Date</i>	\$ 342,000

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ 425,900	\$ 626,400		\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ 425,900</b>	<b>\$ 626,400</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Electric User Fees & Other Revenues	\$ 425,900	\$ 626,400		\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ 425,900</b>	<b>\$ 626,400</b>	<b>\$ -</b>				

**TOTAL PROJECT COST:** \$ 1,052,300

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> Electric	<b>SUBMITTED BY</b> Mike Barton	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  <i>Three Phase Meter Test System 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**  
Replacement of existing test equipment due to age and technology changes.

**JUSTIFICATION**  
In order to remain up to date with the advancing technologies, which will allow increased effectiveness and efficiency, the current testing equipment needs to be replaced. This is a vehicle mounted test system.



**PROJECT ALTERNATIVES**  
Upgrade existing testing equipment.

**OPERATING IMPACT/OTHER COMMENTS**  
\*This purchase will ensure our customers that all meters are reading accurately upon testing.  
\*Equipment is over 10 years old

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 32,500	\$ -	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 32,500</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Electric User Fee & Other Revenues	\$ -	\$ 32,500	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 32,500</b>	<b>\$ -</b>				

**TOTAL PROJECT COST:** **\$ 32,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Electric

**SUBMITTED BY**  
Mike Barton

**DEPARTMENTAL PRIORITY**  
Electric

**PROJECT TITLE**  
  
*Transit Van - Additional Vehicle*

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

**PROJECT DESCRIPTION**  
Transit Van - Additional Vehicle

**JUSTIFICATION**  
With a Department of four staff members and currently three vehicles, two staff are required to ride together which does not allow for efficient use of personnel. This will allow for four separate jobs to be performed instead of the current three.



**PROJECT ALTERNATIVES**  
Borrow a vehicle, if available, from another Division.

**OPERATING IMPACT/OTHER COMMENTS**  
Better efficiency of personnel in the Meter Division.

**PROJECT STATUS**  
Funds Approved to Date

New Project - FY 2017
\$ -

Funds Expended to Date

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ 48,000	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Project Costs</b>	\$ -	\$ -	\$ 48,000	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Electric User Fees & Other Revenues	\$ -	\$ -	\$ 48,000	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	\$ -	\$ -	\$ 48,000	\$ -	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:** \$ 48,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Electric

**SUBMITTED BY**

Mike Barton

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Three Reel Wire Trailer*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

Three Reel Turret Trailer with bed rollers, gathering windows for UG and Hydraulic Retrievers (3) - 1,700 pull on 30" diameter.

**JUSTIFICATION**

Types of underground projects require the purchase of this type trailer over the existing home made trailer for pulling consistency.



**PROJECT ALTERNATIVES**

Continue to use existing trailer and take extra amounts of time pulling in cable due to not having guages on the rollers.

**OPERATING IMPACT/OTHER COMMENTS**

This will keep projects on a more timely and efficient work schedule. If possible, I would like to move this piece of equipment up a few years.

**PROJECT STATUS**

Continuation - FY 2014

*Funds Approved to Date*

\$ -

*Funds Expended to Date*

\$ -

<b>CAPITAL COST BREAKDOWN</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
Purchase	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>FUNDING SOURCE(S)</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
Electric User Fees & Other Revenues	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:**

**\$ 70,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Electric

**SUBMITTED BY**  
Mike Barton

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**

*Four Position Watt-Hour Meter Test Board*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**  
Replacement of existing test equipment due to age and technology changes.

**JUSTIFICATION**  
This test board will be replacing the existing test board and be installed in the new Meter Shop in the proposed 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.



**PROJECT ALTERNATIVES**

Continue with our existing test board.

**OPERATING IMPACT/OTHER COMMENTS**

This purchase will ensure that all customers meters are reading accurately upon testing.

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

New Project - FY 2017
\$ -

*Funds Expended to Date*

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 90,000</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Electric User Fees & Other Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 90,000</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** \$ 90,000

Capital Improvement Plan  
**ENVIRONMENTAL SERVICES SUMMARY - BY PROJECT**

PROJECT TITLE	PRIORITY TYPE	PRIOR TO JULY 2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	FUTURE YEARS	TOTALS
1 Vacuum Leaf Truck - Addition	M-3	\$ -	\$ -	\$ -	\$ -	\$ 195,000	\$ -	\$ -	\$ 195,000
<b>TOTALS</b>		\$ -	\$ -	\$ -	\$ -	\$ 195,000	\$ -	\$ -	\$ 195,000

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 2016 - 2021**

<b>DEPARTMENT</b> Environmental Services	<b>SUBMITTED BY</b> Mike Barton	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  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 Truck.

**JUSTIFICATION**  
Due to the continued growth, this truck will be needed in order to provide the service level expected of our residents.



**PROJECT ALTERNATIVES**

Continue current practice.

**OPERATING IMPACT/OTHER COMMENTS**

This truck 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 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -		\$ -	\$ -	\$ 195,000	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 195,000</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	-	-	-	195,000	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 195,000</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 195,000**

Capital Improvement Plan  
**FLEET SUMMARY - BY PROJECT**

PROJECT TITLE	PRIORITY	PRIOR TO						FUTURE	TOTALS
	TYPE	JULY 2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	YEARS	
1 Fork Lift	M-3	\$ -	\$ 52,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,000
2 Hooklift Truck/Bodies	M-4	-	125,000	-	-	-	-	-	125,000
3 Portable Vehicle Lift	M-4	-	45,000	-	-	-	-	-	45,000
<b>TOTALS</b>		\$ -	\$ 222,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 222,000

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 2016 - 2021**

<b>DEPARTMENT</b> Fleet	<b>SUBMITTED BY</b> Mike Barton	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Fork Lift	<b>TYPE OF PROJECT</b> <table border="1"> <tr><td></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 align="center"><b>X</b></td><td>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**  
Fork lift to assist with major repairs in the fleet garage.

**JUSTIFICATION**  
This fork lift will enable Fleet Maintenance to perform lifting requirements on major replacement parts without tying up or waiting on Purchasing division fork lift.



**PROJECT ALTERNATIVES**  
Put repairs on hold until Purchasing fork lift is available.

**OPERATING IMPACT/OTHER COMMENTS**  
Provides for a more timely repair option for our vehicles.

<b>PROJECT STATUS</b> <i>Funds Approved to Date</i>	Continuation - FY 2014 \$ -	<i>Funds Expended to Date</i>	\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 52,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 52,000</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 52,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 52,000</b>	<b>\$ -</b>				

**TOTAL PROJECT COST:** \$ 52,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> Fleet	<b>SUBMITTED BY</b> Mike Barton	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Truck with Hooklift and Bodies	<b>TYPE OF PROJECT</b> 1 -Health/Safety/Welfare 2 - Maintenance/Replacement 3 - Existing Programs Expansion X 4 - New Program
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**PROJECT DESCRIPTION**  
Truck with Hooklift system with Hooklift Lube and Hooklift Skid Bodies.

**JUSTIFICATION**  
With the number of Fleet vehicles and equipment growing, it will be advantageous for the Fleet Division to have the ability to transport any vehicle or piece of equipment to the Operation Center for repairs when needed; when it makes the most economical choice. Currently, a local towing service needs to be dispatched to meet our needs. With the addition of this truck we will be able to dispatch immediately. Other divisions will also be able to purchase bodies to fit this truck which will save the Town from having to purchase chassis's for every body style needed. In addition, with the Lube Body we will be able to perform more in the field maintenance.



**PROJECT ALTERNATIVES**

1) Continue calling local towing service as currently performed.  
2) Purchase individual trucks with bodies.

**OPERATING IMPACT/OTHER COMMENTS**

Provides for a more timely repair program on vehicles/equipment that need to be towed into the shop. Many types of bodies are available for hooklift operations for other Divisions as well.

**PROJECT STATUS**

<i>Funds Approved to Date</i>	Continuation - FY 2014 \$ -
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*Funds Expended to Date*

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	125,000	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ -</b>				

**TOTAL PROJECT COST:** \$ 125,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> Fleet	<b>SUBMITTED BY</b> Mike Barton	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Portable Vehicle Lift	<b>TYPE OF PROJECT</b>
	1 - Health/Safety/Welfare
	2 - Maintenance/Replacement
	<b>X</b> 3 - Existing Programs Expansion
	4 - New Program

**PROJECT DESCRIPTION**  
Portable vehicle lift to supplement existing lifts in Fleet Garage.

**JUSTIFICATION**  
This lift will add to the existing service capabilities in the garage. With the growth in the number of vehicles in our fleet, an additional vehicle can be serviced while another vehicle is waiting for parts or is in for more time consuming repair without having to move vehicles around.



**PROJECT ALTERNATIVES**  
Put repairs on hold until another lift is available.

**OPERATING IMPACT/OTHER COMMENTS**  
Provides for a more timely repair option for our vehicles.

**PROJECT STATUS**  
Funds Approved to Date

Continuation - FY 2014
\$ -

Funds Expended to Date

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ -</b>				

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

Capital Improvement Plan  
STREETS SUMMARY - BY PROJECT

PROJECT TITLE	PRIORITY	PRIOR TO							FUTURE	TOTALS
	TYPE	JULY 2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	YEARS		
1 Compactor/Roller - Addition	M-3	\$ -	\$ 46,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,500
2 Town Roadway Lighting	M-3	-	25,000	175,000	200,000	50,000	-	-	-	450,000
3 Heavy Duty 4 x 4 Extended Cab Pickup (3)	M-3	-	-	-	135,000	-	-	-	-	135,000
4 Curb and Gutter Machine	M-3	-	-	-	-	-	80,000	-	-	80,000
5 Compressed Natural Gas Station	M-2	-	-	-	-	-	-	405,000	-	405,000
6 Transportation Sidewalks	M-2	-	110,000	110,000	110,000	110,000	110,000	-	-	550,000
TOTALS		\$ -	\$ 181,500	\$ 285,000	\$ 445,000	\$ 160,000	\$ 190,000	\$ 405,000	\$ -	\$ 1,666,500

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 2016 - 2021**

<b>DEPARTMENT</b> Street	<b>SUBMITTED BY</b> Mike Barton	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Compactor/Roller - 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 Compactor/Roller for dirt work.

**JUSTIFICATION**  
Separate compactor will be needed due to the amount of road repairs the division is performing and due to compaction requirements.



**PROJECT ALTERNATIVES**  
Lease equipment as needed.

**OPERATING IMPACT/OTHER COMMENTS**  
Having the ability to perform two different compaction operations at the same time will allow for work on more projects.

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ 46,500	\$ -	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 46,500</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 46,500	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 46,500</b>	<b>\$ -</b>				

**TOTAL PROJECT COST: \$ 46,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
Street	Mike Barton	Medium

<b>PROJECT TITLE</b>
<i>Town Roadway Lighting</i>

<b>TYPE OF PROJECT</b>	
<b>X</b>	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. 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) Harris Rd - between N. Main St. and Joyner Park. (Wake Forest Power & Wake Electric)  
2)N. White St - from Perry St. to Sedgefield Park (Wake Electric);  
3)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.



<b>PROJECT ALTERNATIVES</b>
Maintain current status.

<b>OPERATING IMPACT/OTHER COMMENTS</b>
*Providing lighting will generate a safer environment for the traveling public. *Recommended that we conduct townwide lighting assessment

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

<i>Funds Expended to Date</i>	\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	-	175,000	200,000	50,000	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 175,000</b>	<b>\$ 200,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -
Electric Fund	-	-	175,000	200,000	50,000	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 175,000</b>	<b>\$ 200,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** **\$ 450,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b>	<b>SUBMITTED BY</b>	<b>DEPARTMENTAL PRIORITY</b>
Street	Mike Barton	Medium

<b>PROJECT TITLE</b>
<i>Heavy Duty 4 x 4 Extended Cab Pickup (3)</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**  
Purchase three (3) Heavy Duty 4 x 4 Extended Cab Pickup - Addition

**JUSTIFICATION**  
These trucks are for the supervisor of the crew. Currently most of the entire crew rides in the one truck. When the supervisor needs to check on other jobs or make a material run he/she has to take the truck away from the work site. The needs of the division may necessitate moving this purchase up a few years.



**PROJECT ALTERNATIVES**

Borrow trucks from other crews when situation allows.

**OPERATING IMPACT/OTHER COMMENTS**

This vehicle will allow for a more efficient use of vehicles on job sites as it relates to the duties of the supervisor.

**PROJECT STATUS**

Continuation - FY 2015
Funds Approved to Date \$ -

Funds Expended to Date

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ 135,000			\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 135,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	-	-	135,000	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 135,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 135,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Street

**SUBMITTED BY**  
Mike Barton

**DEPARTMENTAL PRIORITY**  
Medium

**PROJECT TITLE**  
  
Curb & Gutter Machine

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

**PROJECT DESCRIPTION**  
24" Slip form Curb and Gutter machine.

**JUSTIFICATION**  
The purchase of this machine will allow Street Division to pour multiple feet of new curb and gutter without the need to set and dismantle forms. As we continue to engage in more projects, 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 Division during this curbing process.

**PROJECT STATUS**  
Funds Approved to Date

New Project - FY 2017	
\$	-

Funds Expended to Date

\$	-
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	
Other	-	-	-	-	-	-	-
Total Project Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ -

**TOTAL PROJECT COST:** \$ 80,000

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

**DEPARTMENT**

Street

**SUBMITTED BY**

Mike Barton

**DEPARTMENTAL PRIORITY**

Medium

**PROJECT TITLE**

*Compressed Natural Gas (CNG) Station Upgrade*

**TYPE OF PROJECT**

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

**PROJECT DESCRIPTION**

Upgrade existing CNG station to current standards.

**JUSTIFICATION**

With the increase in CNG vehicle fleet by several of the towns current vendors, this will allow them another option for refueling while in the Wake Forest area.

- \*Upgrade dispenser - \$60,000
- \*Upgrade compressor - \$250,000
- \*Upgrade storage vessels - \$95,000

Pump upgrade will have to be done in conjunction with the compressor upgrade.



**PROJECT ALTERNATIVES**

To remove the station - \$15k (estimated).

**OPERATING IMPACT/OTHER COMMENTS**

\*Normal maintenance costs plus monthly credit card terminal fees.

**PROJECT STATUS**

Continuation - FY 2016

*Funds Approved to Date*

\$ -

*Funds Expended to Date*

\$ -

<b>CAPITAL COST BREAKDOWN</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 405,000
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 405,000</b>

<b>FUNDING SOURCE(S)</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 405,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 405,000</b>

**TOTAL PROJECT COST:**

**\$ 405,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> Street	<b>SUBMITTED BY</b> Mike Barton	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Transportation Sidewalk Projects	<b>TYPE OF PROJECT</b>
	1 - Health/Safety/Welfare
	<input checked="" type="checkbox"/> 2 - Maintenance/Replacement
	3 - Existing Programs Expansion
	4 - New Program

<b>PROJECT DESCRIPTION</b> Continued construction of approved sidewalk plan.	NO IMAGE AVAILABLE
<b>JUSTIFICATION</b> Construction of sidewalks is consistent with town policy and is mandated by the zoning ordinance for new development. The amounts reflect todays costs of the projects to be considered.	

**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>	New Project - FY 2017		
<i>Funds Approved to Date</i>	\$ -	<i>Funds Expended to Date</i>	\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2019-20	Future Years
Planning & Engineering	\$ -	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ -
Construction	-	100,000	100,000	100,000	100,000	100,000	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 110,000</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2019-20	Future Years
General Fund	\$ -	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ -
	-	-	-	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 110,000</b>	<b>\$ -</b>				

**TOTAL PROJECT COST:** **\$ 550,000**

Capital Improvement Plan  
**ASSET MAINTENANCE SUMMARY - BY PROJECT**

PROJECT TITLE	PRIORITY TYPE	PRIOR TO		2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	FUTURE YEARS	TOTALS
		JULY 2016								
1 Flaherty Park Dam Repair and Maintenance	H-1	\$ 15,000	\$	401,000	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ 501,000
2 HVAC Replacement	H-2	69,000		50,000	-	-	-	-	-	119,000
3 Town Hall - 301 S Brooks Street - Repairs	H-2	-		190,000	38,000	38,000	40,000	-	25,000	331,000
4 Ailey Young Restroom Renovation	H-1	-		30,000	-	-	-	-	-	30,000
5 Kiwanis Greenway Bridge Replacement	H-1	-		349,000	-	-	-	-	-	349,000
6 Annual Street Maintenance	H-2	34,000		825,000	825,000	825,000	825,000	825,000	841,000	5,000,000
7 Annual Sidewalk Replacements	M-2	-		100,000	100,000	100,000	100,000	100,000	100,000	600,000
8 <b>Wake Forest Reservoir Improvements</b>	H-2	320,000		559,500	-	-	666,500	666,500	75,000	2,287,500
9 North Avenue Retaining Wall	H-1	-		90,500	-	-	-	-	-	90,500
10 Miller Park Stream Rehabilitation and Restoration	M-2	5,500		31,500	914,500	-	-	-	-	951,500
11 Ailey Young Park Dam Removal and Stream Restoration	H-2	-		-	374,000	-	-	-	-	374,000
12 North Main Stormwater and Repave	H-2	-		-	100,000	750,000	-	-	-	850,000
13 Soccer Center at Smith Creek Greenway Improvements	H-2	-		100,000	-	131,500	777,500	-	-	1,009,000
14 South Main Street Retaining Wall	H-1	-		-	365,000	-	-	-	-	365,000
15 Sanford Creek Greenway Boardwalk Replacement	H-1	-		44,500	-	4,567,500	47,500	-	-	4,659,500
16 Richland Creek Greenway Repave	M-2	-		-	75,000	-	-	-	-	75,000
<b>TOTALS</b>		\$ 443,500	\$	2,771,000	\$ 2,876,500	\$ 6,412,000	\$ 2,456,500	\$ 1,591,500	\$ 1,041,000	\$ 17,592,000

\***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:** 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 2016-2021**

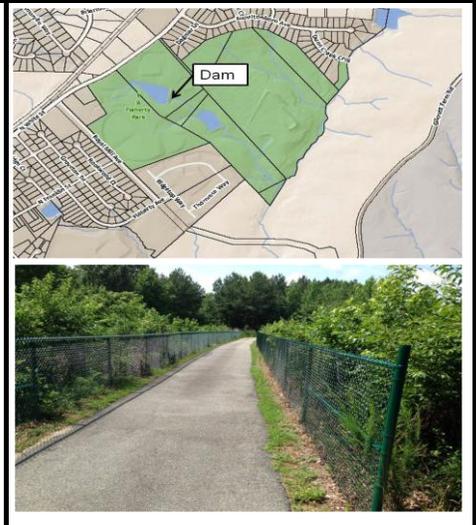
<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Flaherty Park Dam Maintenance and Repair
--

<b>TYPE OF PROJECT</b>	
<input checked="" type="checkbox"/>	1 - Health/Safety/Welfare
<input type="checkbox"/>	2 - Maintenance/Replacement
<input type="checkbox"/>	3 - Existing Programs Expansion
<input type="checkbox"/>	4 - New Program

**PROJECT DESCRIPTION**  
Remove trees and treat stumps at Flaherty Park Dam and add soil lift to back side of dam spillway, add bottom toe drain, possible rebuild of dam depending on severity of geotech results. Repave greenway trail and add fishing pier.

**JUSTIFICATION**  
As identified in the Structural and Dam Inventory in 2014, Flaherty Park Dam is in need of minor & major repair due to tree growth and erosion on backside of spillway slope. There is a major seepage at the toe of slope that is of concern and warrants additional investigation and possible rebuild of dam depending on results. This is a priority one in the rankings for repair. If left unchecked it could create a failure and potential loss of pond. Emergency spillway needs to be established along with a draw down device. Project will require design, permitting, and construction. It will close dam and access for several months. Dam will need to be monitored and maintained daily, quarterly, and annually. In addition, an Emergency Action Plan will need to be developed per new state legislation under the Coal Ash Management Act of 2014 by Dec. 31, 2015.



<b>PROJECT ALTERNATIVES</b>
Rebuild dam design - FY 2016-17 \$151,000 Rebuild dam construction - FY 2017-18 \$250,000 Repave greenway/pond pier - alternate year or combine with bid docs

<b>OPERATING IMPACT/OTHER COMMENTS</b>
A) Potential liability issue if not addressed. B) If do not proceed greenway would need to be closed and the pond could potential fail.

<b>PROJECT STATUS</b>	Continuation - FY 2016	
Funds Approved to Date	\$ 15,000	Funds Expended to Date
		\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ 15,000	\$ 151,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -
Construction	-	250,000	75,000	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ 15,000</b>	<b>\$ 401,000</b>	<b>\$ 85,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 15,000	\$ 401,000	\$ 85,000	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ 15,000</b>	<b>\$ 401,000</b>	<b>\$ 85,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 501,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Facilities

**SUBMITTED BY**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
High

**PROJECT TITLE**  
  
HVAC Replacement

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

**PROJECT DESCRIPTION**  
HVAC replacement at Public Works Operations Center and Flaherty Community Center (2014-2015), Criminal Investigation Building (CID)(2016-2017).

**JUSTIFICATION**  
The units at these locations are at the end of their life expectancy and not efficient. We are beginning to repair them more than normal. Major repairs are being made and it is more cost effective to replace the units than to continue to repair. Replacing the units will also save energy with the units operating more efficiently. Replacement schedule was based on the need and condition of existing equipment.



**PROJECT ALTERNATIVES**  
Continue spending to repair units that are not efficient and continuously needing repair

**OPERATING IMPACT/OTHER COMMENTS**  
1) Less repair cost and operating expense  
2) Northern Wake Senior Center (planned 2015-2016 placed on hold and will complete with the expansion)

**PROJECT STATUS**  
Funds Approved to Date

Continuation - FY 2015
\$ 69,000

Funds Expended to Date

\$ 69,391
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Purchase	\$ 69,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ 69,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 69,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ 69,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>				

**TOTAL PROJECT COST:**

\$ 119,000
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**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

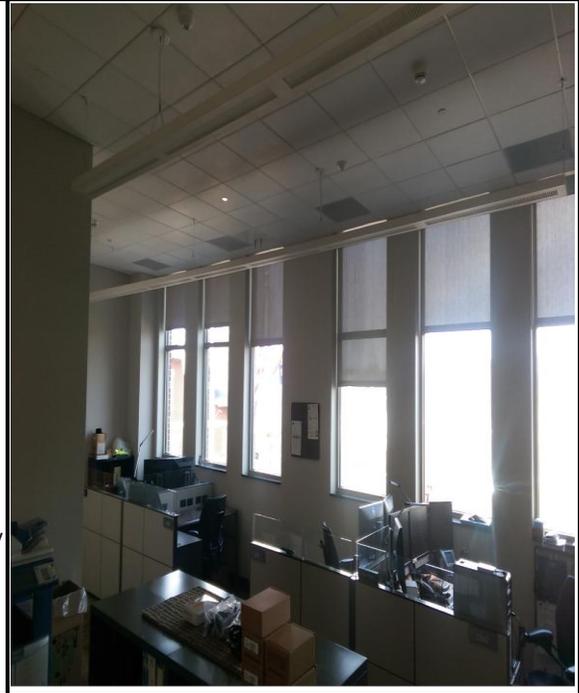
<b>DEPARTMENT</b> Public Facilities	<b>SUBMITTED BY</b> Mickey Rochelle	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Town Hall @ 301 S Brooks Street - Repairs
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<b>TYPE OF PROJECT</b>	
	1 -Health/Safety/Welfare
<b>X</b>	2 - Maintenance/Replacement
	3 - Existing Programs Expansion
	4 - New Program

**PROJECT DESCRIPTION**  
 1) Replace Eaton lighting controls with Y-Wire Lighting Controls  
 2) Leak repair for building envelope (walls)  
 3) Replace carpet

**JUSTIFICATION**  
 1) The eaton lighting controls are having issues and some parts are no longer available by Eaton or as an after market part. The second floor is giving the most problem; followed by the ground floor. Lights in IT will not come on and some offices will not turn off due to the control panel malfunctioning. The project can be completed one floor per year or the complete project at once. (\$151k est.)  
 2) Since construction was finalized in 2010 we have had leaks and repaired many. Three additional leaks have been seen and now need to be repaired. This repair will not guarantee us not to have additional leaks afterwards. Cost was estimated by Terracon. (\$150k est.)  
 3) Due to normal wear and tear on carpet and the need to relocate HVAC supply vents additional pieces of carpet are needed to complete the task and there was no attic stock left when the building was completed. The carpet in the building is discontinued and we will need to replace some rooms to make carpet tiles available to replace others. (\$30k est.)



**PROJECT ALTERNATIVES**  
 1) Continue working in areas with no and/or limited lighting.  
 2) Higher utility bills than necessary.

**OPERATING IMPACT/OTHER COMMENTS**  
 1) Properly operating lights.  
 2) Control system that is not obsolete.

<b>PROJECT STATUS</b>	New Project - FY 2017
Funds Approved to Date	\$ -

Funds Expended to Date	\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	-	40,000	38,000	38,000	40,000	-	25,000
Construction	-	150,000	-	-	-	-	-
<b>Total Project Costs</b>	\$ -	\$ 190,000	\$ 38,000	\$ 38,000	\$ 40,000	\$ -	\$ 25,000

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 190,000	\$ 38,000	\$ 38,000	\$ 40,000	\$ -	\$ 25,000
<b>Total Funding Sources</b>	\$ -	\$ 190,000	\$ 38,000	\$ 38,000	\$ 40,000	\$ -	\$ 25,000

**TOTAL PROJECT COST: \$ 331,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

**DEPARTMENT**  
Public Facilities

**SUBMITTED BY**  
Mickey Rochelle

**DEPARTMENTAL PRIORITY**  
High

**PROJECT TITLE**  
  
*Ailey Young Restroom Renovation*

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

**PROJECT DESCRIPTION**  
Renovate Ailey Young Restrooms making them more appealing, user friendly, and make upgrades to have the restrooms as ADA compliant as possible.

**JUSTIFICATION**  
The restrooms would require an addition to be ADA compliant. These restrooms need major repair. Facilities staff can perform this project eliminating the need for a general contractor. The doors would be fiber reinforced plastic (FRP) and aluminum to prevent rust and painting. Toilet fixtures would be ADA compliant and the exterior would be repaired with low maintenance materials. The restrooms need vandal resistant materials installed due to continual vandalism.



**PROJECT ALTERNATIVES**  
Make only repairs that are needed in order to keep the restrooms open.

**OPERATING IMPACT/OTHER COMMENTS**

- 1) Restrooms will use less energy and water.
- 2) Restrooms will require less maintenance and the appearance will enhance the park.
- 3) Will have a geotech energy to evaluate the floor/foundation of structure
- 4) Will include security for facility

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

Continuation - FY 2016
\$ -

*Funds Expended to Date*

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Construction	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Project Costs</b>	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:** **\$ 30,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  <i>Kiwanis Greenway Bridge Replacement</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**  
Replace two bridges at Kiwanis Park with permatrak concrete system bridges. Design and construction in FY 16/17.

**JUSTIFICATION**  
Bridge replacement is needed on these two structures due to safety and liability issues that have presented themselves due to age and wear. Bridge A was removed in Spring 2015.



**PROJECT ALTERNATIVES**

<b>Alt 1- Permatrak bridges</b>	\$ 266,600.00	FY 16/17
Redo bridge 1	\$ 147,300.00	FY 16/17
Redo bridge 2	\$ 130,300.00	FY 17/18
<b>Alt 2- Contech Prefab Bridges</b>	\$ 335,000.00	FY 16/17
Redo bridge 1	\$ 178,750.00	FY 16/17
Redo bridge 2	\$ 156,250.00	FY 17/18

**OPERATING IMPACT/OTHER COMMENTS**

Other:  
1) Greenway currently closed.

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

<b>CAPITAL COST BREAKDOWN</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
Planning & Engineering	\$ -	\$ 108,500	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	240,500	-	-	-	-	-
Contingency	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 349,000</b>	<b>\$ -</b>				

<b>FUNDING SOURCE(S)</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
General Fund	\$ -	\$ 349,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 349,000</b>	<b>\$ -</b>				

**TOTAL PROJECT COST: \$ 349,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Annual Street Maintenance	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare X 2 - Maintenance/Replacement 3 - Existing Programs Expansion 4 - New Program
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**PROJECT DESCRIPTION**  
Pavement rehabilitation and annual 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. The new study resulted from Public Works Committee, reoccurring study and repairs annually.

- 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**

Other:  
 \*Public Works Committee will prioritize connections to be filled  
 \*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.  
 \*Study was conducted in FY 2015  
 \*up to \$5M; to fill in the gaps; all projects identified may not be completed

<b>PROJECT STATUS</b>	Continuation - FY 2016	
<i>Funds Approved to Date</i>	\$ 34,000	<i>Funds Expended to Date</i> \$ 34,000

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ 34,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
Construction	-	675,000	675,000	675,000	675,000	675,000	691,000
Contingency	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ 34,000</b>	<b>\$ 825,000</b>	<b>\$ 841,000</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 34,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installment Purchase	-	825,000	825,000	825,000	825,000	825,000	841,000
<b>Total Funding Sources</b>	<b>\$ 34,000</b>	<b>\$ 825,000</b>	<b>\$ 841,000</b>				

**TOTAL PROJECT COST: \$ 5,000,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016 - 2021**

<b>DEPARTMENT</b> Street	<b>SUBMITTED BY</b> Mike Barton	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Sidewalk Replacement	<b>TYPE OF PROJECT</b> <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								

<p><b>PROJECT DESCRIPTION</b> Replacemnet of deteriated, broken and/or uneven sidewalks which can create tripping hazzards. To be done on an area by area basis.</p> <p><b>JUSTIFICATION</b> Trip Hazzards can cost the Town a large sum of money due to health cost reimbursements.</p>	NO IMAGE AVAILABLE
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**PROJECT ALTERNATIVES**

Temporarily fix trip hazzards by hiring private contractor to come in and grind the hazzards down.

**OPERATING IMPACT/OTHER COMMENTS**

By repairing broken, deteriated and trip hazzards, this not only relieves the liability of the Town but it also improves the overall asthetics of the Town will be improved.

**PROJECT STATUS**

*Funds Approved to Date*

Continuation - FY 2016
\$ -

*Funds Expended to Date*

\$ -
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<b>CAPITAL COST BREAKDOWN</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
Planning & Engineering	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Construction	-	50,000	50,000	50,000	50,000	50,000	50,000
<b>Total Project Costs</b>	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000

<b>FUNDING SOURCE(S)</b>	<b>Prior to July 2016</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Future Years</b>
General Fund	\$ -	\$ 100,000	\$ 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	\$ 100,000

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

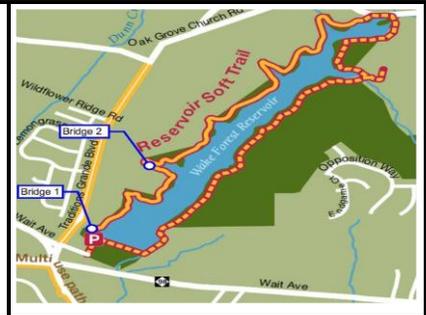
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Wake Forest Reservoir Improvements	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare <input checked="" type="checkbox"/> 2 - Maintenance/Replacement 3 - Existing Programs Expansion 4 - New Program
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**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**

Bridge Replacement only	\$ 165,000	FY 2015/16
Parking, boat ramp, dock, Phase 1	350,000	FY 2015/16
WF Dam Geotech report- dam, EAP, monitor	50,000	FY 2015/16
New Bridges 2 & 3- Phase 2	660,000	FY 2017/18
Restroom/consession - Phase 3	660,000	FY 2018/19

**OPERATING IMPACT/OTHER COMMENTS**

Other:

- 1) Potential safety and liability issue with existing wooden bridge.
- 2) COR ownership at this time - shared liability most likely due to permitted recreational use of reservoir.
- 3) Transfer from COR to TOWF to be completed by Winter 2015; the town is waiting on the COR
- 4) Town Attorney is working on this item

<b>PROJECT STATUS</b>	Continuation - FY 2015
Funds Approved to Date	\$ 800,000
Funds Expended to Date	\$ 257,452

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ 68,000	\$ 102,000	\$ -	\$ -	\$ 60,000	\$ 60,000	\$ -
Construction	248,500	451,500	-	-	600,000	600,000	75,000
Other- Public Art	3,500	6,000	-	-	6,500	6,500	-
<b>Total Project Costs</b>	<b>\$ 320,000</b>	<b>\$ 559,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 666,500</b>	<b>\$ 666,500</b>	<b>\$ 75,000</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
GO Bond - Current Referendum (Issued)	320,000	480,000	-	-	-	-	-
Future Bond Referendum	-	79,500	-	-	666,500	166,500	-
Grants - PARTF - Future Application	-	-	-	-	-	500,000	-
<b>Total Funding Sources</b>	<b>\$ 320,000</b>	<b>\$ 559,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 666,500</b>	<b>\$ 666,500</b>	<b>\$ 75,000</b>

**TOTAL PROJECT COST: \$ 2,287,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  North Avenue Retaining Wall	<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**  
Replacement of retaining wall along North Ave prior to Stadium/North Ave complete street project.

**JUSTIFICATION**  
Retaining wall is leaning and creating a safety hazard for motorists and pedestrians. Wall will need to be removed and replaced prior to Stadium Drive/North Ave rehab project slated to commence in FY 2016-17.



**PROJECT ALTERNATIVES**  
 \*Brick wall or stone clad - TBD by Historic Preservation.  
 \*Project to be done in-house by Streets Department, which may lower costs

**OPERATING IMPACT/OTHER COMMENTS**  
None.

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	-	78,500	-	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 90,500</b>	<b>\$ -</b>				

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 90,500	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 90,500</b>	<b>\$ -</b>				

**TOTAL PROJECT COST:** **\$ 90,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Miller Park Stream Rehabilitation and Restoration	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare 2 - Maintenance/Replacement 3 - Existing Programs Expansion 4 - New Program
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**PROJECT DESCRIPTION**  
Minor stream bank repairs under Bridge B. Conduct full stream repair of Spring Branch in Miller Park in FY 17/18 with CWMTF grant funding in lieu of bank stabilization from Taylor Street to Elm/Franklin Street. Replant banks with riparian trees and shrubs.

**JUSTIFICATION**  
Structural inventory identified excessive scour at Bridge B in Miller Park. The stream also will need to be redirected in this area to remove the velocity away from the left bank toe which has created a large scour area threatening the bridge foundation. Full stream restoration/enhancement from Taylor Street to Elm Ave/Franklin Street in FY 17/18.



**PROJECT ALTERNATIVES**

Wait on projects until funds are available:

Full restoration of Spring Branch	\$ 884,600	FY 2017-18
Repave Trails	60,000	FY 2017-18
Maintenance only	20,000	FY 2016-17

**OPERATING IMPACT/OTHER COMMENTS**

None.

<b>PROJECT STATUS</b>	<b>Continuation - FY 2016</b>	
Funds Approved to Date	\$ 5,020	Funds Expended to Date \$ 5,020

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ 5,500	\$ -	\$ 79,000	\$ -	\$ -	\$ -	\$ -
Construction	-	31,000	826,000	-	-	-	-
Other- Public Art	-	500	9,500	-	-	-	-
<b>Total Project Costs</b>	<b>\$ 5,500</b>	<b>\$ 31,500</b>	<b>\$ 914,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ 5,500	\$ 31,500	\$ -	-	\$ -	\$ -	\$ -
Contribution - Wake EMC	-	-	50,000	-	-	-	-
Grants - CWMTF (Future Application)	-	-	407,425	-	-	-	-
Duke Energy (Future Application)	-	-	457,075	-	-	-	-
<b>Total Funding Sources</b>	<b>\$ 5,500</b>	<b>\$ 31,500</b>	<b>\$ 914,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** \$ 951,500

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Ailey Young Park Dam Removal and Stream Restoration	<b>TYPE OF PROJECT</b> <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**  
Remove dam of pond at Ailey Young Park and repair stream to original condition based on urban stream repair guidelines with stable stream dimension pattern and profiles to be designed by outside engineering company.

**JUSTIFICATION**  
As identified in the structural and dam inventory in 2014, Ailey Young Park pond dam is deteriorating, with a partial breach and is causing erosion into Dunn Creek, a tributary to Smith Creek. The cost-benefit ratio to repair the dam is low and it would be more effective to remove the dam to lessen the liability of a potential full breach and repair the stream.



**PROJECT ALTERNATIVES**

1) FY 2016-17 - Repair breach on spillway and keep pond dam - \$480,000

2) FY 2016-17 - Remove dam and repair stream - \$310,000

**OPERATING IMPACT/OTHER COMMENTS**

1) Potential liability issue if not addressed.  
2) Potential sediment violation and fine.

<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 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ 86,000	\$ -	\$ -	\$ -	\$ -
Construction	-	-	284,000	-	-	-	-
Other - Public Art	-	-	4,000	-	-	-	-
<b>Total Project Costs</b>	\$ -	\$ -	\$ 374,000	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 5,000	\$ -	\$ -	\$ -	\$ -
Duke Energy - Future Application	-	-	100,000	-	-	-	-
US FWS - Future Application	-	-	75,000	-	-	-	-
NC DOJ EEG - Future Application	-	-	194,000	-	-	-	-
<b>Total Funding Sources</b>	\$ -	\$ -	\$ 374,000	\$ -	\$ -	\$ -	\$ -

**TOTAL PROJECT COST:** \$ 374,000

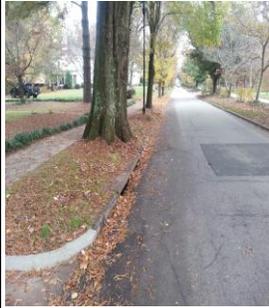
**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  North Main Stormwater and Repave	<b>TYPE OF PROJECT</b>
	1 - Health/Safety/Welfare
	<b>X</b> 2 - Maintenance/Replacement
	3 - Existing Programs Expansion
	4 - New Program

**PROJECT DESCRIPTION**  
Repair of stormwater inlets and resurface North Main Street from North Ave to Cedar Ave in lieu of NCDOT overlay.

**JUSTIFICATION**  
Repair flooding and open throat catchbasin inlets on North Main Street with standard catch basins to allow more water to enter stormdrain pipes and decrease flooding of roadways during heavy storms.



**PROJECT ALTERNATIVES**

1) Allow NCDOT to mill/overlay, continue to repair areas on as needed basis.

**OPERATING IMPACT/OTHER COMMENTS**

1) Stormdrain work and catch basin repair may impact traffic. Timing to be done outside of holidays and festival season.  
2) This street is owned by the NCDOT.  
3) Department is still researching details on this project.

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

New Project - FY 2017
\$ -

*Funds Expended to Date*

\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -
Construction	-	-	-	750,000	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 750,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 100,000	\$ 250,000	\$ -	\$ -	\$ -
Grants - NCDOT Future Application	-	-	-	500,000	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 750,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST:** **\$ 850,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller/Mickey Rochelle/Jennifer Rall	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  Soccer Center at Smith Creek Greenway Improvements	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare X 2 - Maintenance/Replacement 3 - Existing Programs Expansion 4 - New Program
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**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 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.



<b>PROJECT ALTERNATIVES</b> None.	<b>OPERATING IMPACT/OTHER COMMENTS</b> Other: 1) Update plans already in place - Parks Master Plan, Open Space and Greenway Plan.
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<b>PROJECT STATUS</b>	New Project - FY 2017
Funds Approved to Date	\$ -
Funds Expended to Date	\$ -

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ 130,000	\$ -	\$ -	\$ -
Construction	-	100,000	-	-	770,000	-	-
Other - Public Art	-	-	-	1,500	7,500	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 131,500</b>	<b>\$ 777,500</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 50,000	\$ -	\$ 109,000	\$ -	\$ -	\$ -
CWMTF - Future Application	-	-	-	-	50,000	-	-
PARTF - Future Application	-	-	-	-	500,000	-	-
CASL - Future Contribution	-	50,000	-	22,500	227,500	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 131,500</b>	<b>\$ 777,500</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 1,009,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  South Main Street Retaining Walls	<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**  
Replacement of retaining walls along South Main Street between Owen and Elm Ave.

**JUSTIFICATION**  
Retaining wall is leaning and creating a safety hazard for motorists and pedestrians.



<b>PROJECT ALTERNATIVES</b> *Brick wall or stone clad	<b>OPERATING IMPACT/OTHER COMMENTS</b> *Work can be performed in-house *Department to conducted for research on this item
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<b>PROJECT STATUS</b> Funds Approved to Date	Continuation - FY 2016 \$ -	Funds Expended to Date	\$ -
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CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Construction	\$ -	\$ -	\$ 365,000	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 365,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 365,000	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 365,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 365,000**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller	<b>DEPARTMENTAL PRIORITY</b> High
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<b>PROJECT TITLE</b>  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**

- Wait on projects until funds are available
- Conduct minor repairs until 2025 = cost of a full replacement

Full replacement with Permatrak	\$ 4,000,000
Full replacement with timber	1,800,000

- Close greenway

**OPERATING IMPACT/OTHER COMMENTS**

Conduct minor repairs until 2025 = portion of cost of a full replacement.

\*Permatrak life expectancy is 50 years  
\*Wood life expectancy is 10-25 years

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Planning & Engineering	\$ -	\$ -	\$ -	\$ 410,500	\$ -	\$ -	\$ -
Construction	-	44,000	-	4,115,500	47,000	-	-
Other- Public Art	-	500	-	41,500	500	-	-
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 44,500</b>	<b>\$ -</b>	<b>\$ 4,567,500</b>	<b>\$ 47,500</b>	<b>\$ -</b>	<b>\$ -</b>

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ 44,500	\$ -	\$ -	\$ 47,500	\$ -	\$ -
GO Bonds - Future Referendum	-	-	-	4,567,500	-	-	-
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 44,500</b>	<b>\$ -</b>	<b>\$ 4,567,500</b>	<b>\$ 47,500</b>	<b>\$ -</b>	<b>\$ -</b>

**TOTAL PROJECT COST: \$ 4,659,500**

**TOWN OF WAKE FOREST  
CAPITAL IMPROVEMENTS PROGRAM  
CIP UPDATE FY 2016-2021**

<b>DEPARTMENT</b> Engineering	<b>SUBMITTED BY</b> Holly Miller	<b>DEPARTMENTAL PRIORITY</b> Medium
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<b>PROJECT TITLE</b>  Richland Creek Greenway Repave	<b>TYPE OF PROJECT</b> 1 - Health/Safety/Welfare X 2 - Maintenance/Replacement 3 - Existing Programs Expansion 4 - New Program
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**PROJECT DESCRIPTION**  
Repave existing Richland Creek Greenway

**JUSTIFICATION**  
Remove root and other trip hazards and cracking pavement and repair, and overlay with 2" new asphalt surface.



**PROJECT ALTERNATIVES**

- \*Remove trip hazards and wait to resurface.
- \*Possibly perform in-house with rental equipment

Patch sections of trail	\$	15,000	FY 16/17
Repave	\$	75,000	FY 16/17

**OPERATING IMPACT/OTHER COMMENTS**  
None.

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

CAPITAL COST BREAKDOWN	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
Construction	\$ -		\$ 75,000	\$ -	\$ -	\$ -	\$ -
Other	-	-	-	-	-	-	-
Total Project Costs	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -

FUNDING SOURCE(S)	Prior to July 2016	2016-17	2017-18	2018-19	2019-20	2020-21	Future Years
General Fund	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -

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

Capital Improvement Plan  
**VEHICLE/EQUIPMENT REPLACEMENT SUMMARY BY DEPARTMENT/DIVISION**

PROJECT DESCRIPTION	PRIORITY TYPE	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	TOTALS	Beyond 2012
								Memo Only
GENERAL GOVERNMENT	M-2	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 221,500
INSPECTIONS	M-2	82,500	27,500	38,250	-	38,250	186,500	136,750
PARKS, RECREATION AND CULTURAL RESOURCES	M-2	99,500	134,510	13,500	27,500	43,500	318,510	183,000
PUBLIC SAFETY	M-2	281,000	192,000	679,000	827,000	798,000	2,777,000	600,000
ENGINEERING	M-2	74,000	39,500	34,500	-	-	148,000	44,500
FLEET MAINTENANCE	M-2	-	65,000	-	-	-	65,000	273,000
STREETS DIVISION	M-2	531,000	291,250	389,500	391,750	264,000	1,867,500	783,700
ENVIRONMENTAL SERVICES	M-2	208,500	195,000	45,000	-	396,750	845,250	284,000
PUBLIC FACILITIES	M-2	-	-	30,000	-	-	30,000	-
<b>TOTAL GENERAL FUND</b>		<b>\$ 1,306,500</b>	<b>\$ 944,760</b>	<b>\$ 1,229,750</b>	<b>\$ 1,246,250</b>	<b>\$ 1,540,500</b>	<b>\$ 6,267,760</b>	<b>\$ 2,526,450</b>
ELECTRIC	M-2	564,000	549,000	303,500	190,500	95,000	1,702,000	1,034,000
TREE TRIMMING	M-2	50,000	-	125,550	-	-	175,550	406,000
<b>TOTAL PROPRIETARY FUNDS</b>		<b>\$ 614,000</b>	<b>\$ 549,000</b>	<b>\$ 429,050</b>	<b>\$ 190,500</b>	<b>\$ 95,000</b>	<b>\$ 1,877,550</b>	<b>\$ 1,440,000</b>
<b>TOTALS REPLACEMENTS</b>		<b>\$ 1,920,500</b>	<b>\$ 1,493,760</b>	<b>\$ 1,658,800</b>	<b>\$ 1,436,750</b>	<b>\$ 1,635,500</b>	<b>\$ 8,145,310</b>	<b>\$ 3,966,450</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 Vehicle Replacement Schedule

**Vehicle Description:**

**Age/Miles:**

Admin Car	10 years or 100,000 miles
Hybrid Admin Car	8 years
Police Pursuit Vehicle (Patrol)	5 years (cost saving) or 60,000 miles
Pickup, Sport Utility Vehicle (Suburban) 1-ton truck	10 years
Hybrid Sport Utility Vehicle	8 years
Van (Passenger & Cargo)	10 years
Medium & Heavy Dump Trucks, Utility Truck, Bucket Truck, Flatbed & Stake bed Truck	10 years
Rear Loading Refuse Truck	7 years
Leaf Collector	7 years
Knuckle Boom Truck	8 years
Street Sweepers	7 years
Construction Equipment:	
Track Loader, Track Backhoe, Rubber Tire Loader, Self-elevating Loader, and Loader	10 years
Backhoe/Loader Combination	10 years
Forklift	15 years
Grader	10 years
Grounds & Small Engine Equipment	5 years
Tractor, Sprayer, Tar Kettles	8 years
Riding Mowers	5 years or 500 hrs
Trailer Mounted Compressor	10 years
Skid-Steer Loader	10 years
Trailers and Non-Motorized Equipment:	
Snow Plow & Salt Spreader	15 years

Considerations: (A) Age, (B) Mileage or hours, (C) Maintenance, (D) Condition

Asset #	Year of Acquisition	Current Age	Estimated Cost to Replace	Unit #	Year	Make	Model	Mileage or Hours	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
A00411	2007	9	\$ 30,000	4405	2007	FORD	RANGER	83,813	30,000	-	-	-	-
			<b>\$ 30,000</b>				<b>TOTALS</b>	<b>30,000      -      -      -      -</b>					

Asset #	Year of Acquisition	Current Age (Years)	Estimated Cost to Replace	Unit #	Year	Make	Model	Mileage or Hours	FY 16-17	FY17-18	FY 18-19	FY 19-20	FY 20-21	
274827	2004	12	\$ 27,500	4808	2004	CHEVROLET	1500 2X4 EXT CAB P/U	78,400	27,500	-	-	-	-	
280674	2005	11	27,500	4809	2005	CHEVROLET	1500 2X4 EXT CAB P/U	60,300	27,500	-	-	-	-	
B71532	2007	9	27,500	4802	2007	FORD	F150 EXT CAB	60,992	-	27,500	-	-	-	
B71533	2007	9	27,500	4810	2007	FORD	F150 EXT CAB	66,238	27,500	-	-	-	-	
A44095	2008	8	38,250	4811	2008	FORD	EXPEDITION	39,598	-	-	38,250	-	-	
E42974	2010	5	38,250	4801	2010	FORD	EXPEDITION	23,968	-	-	-	-	38,250	
			<b>\$ 186,500</b>						<b>TOTALS</b>	<b>82,500</b>	<b>27,500</b>	<b>38,250</b>	<b>-</b>	<b>38,250</b>

Inspections  
Replacement Vehicles  
2016-2021

Asset #	Year of Acquisition	Current Age (Years)	Estimated Cost to Replace	Unit #	Year	Make	Model	Item Description	Mileage or Hours	FY 16-17	FY17-18	FY 18-19	FY 19-20	FY 20-21	
620093	2000	16	\$ 20,000	6204	2000	JOHN DEERE	670 TRACTOR	Tractor	2,681	20,000	-	-	-	-	
620254	2005	11	42,510	6212	2005	JOHN DEERE	4500	Tractor	1,290	-	42,510	-	-	-	
D47459	2006	10	38,500	6201	2006	FORD	F250 4X4 EXT CAB	Truck	76,975	38,500	-	-	-	-	
D64643	2006	10	65,000	6205	2006	FORD	F350 4X4 CREW DUMP	Truck	78,481	-	65,000	-	-	-	
2048	2006	10	13,500	6206	2006	JOHN DEERE	777 ZTRAK	Lawnmower	1,847	13,500	-	-	-	-	
2344	2008	8	13,500	6207	2008	HUSTLER	SUPER Z	Lawnmower	889	-	13,500	-	-	-	
2344	2009	7	13,500	6208	2009	HUSTLER	SUPER Z	Lawnmower	1,735	13,500	-	-	-	-	
N/A	2009	7	13,500	6223	2009	TORO	WALK BEHIND MOWER	Lawnmower	34	-	-	-	13,500	-	
2548	2012	4	14,000	6225	2012	GRAVELY	TURF BASE RUNNER	Base Runner	671	14,000	-	-	-	-	
110067	2013	3	13,500	6228	2013	HUSTLER	Super Z Mower	Lawnmower	358	-	13,500	-	-	-	
2650	2014	2	13,500	6231	2014	HUSTLER	Super Z Mower	Lawnmower	400	-	-	13,500	-	-	
2732	2015	1	14,000	6234	2015	HUSTLER	Super Z Mower	Lawnmower	210	-	-	-	14,000	-	
2731	2015	1	14,000	6235	2015	HUSTLER	Super Z Mower	Lawnmower	180	-	-	-	-	14,000	
2733	2015	1	14,000	6236	2015	HUSTLER	Super Z Mower	Lawnmower	136	-	-	-	-	14,000	
2567	2012	4	15,500	6202	2012	HUSTLER	X-ONE	Lawnmower	888	-	-	-	-	15,500	
			<b>\$ 318,510</b>							<b>TOTALS</b>	<b>99,500</b>	<b>134,510</b>	<b>13,500</b>	<b>27,500</b>	<b>43,500</b>

Park, Recreation and Cultural Resources  
Replacement Vehicles  
2016-2021

Asset #	Year of Acquisition	Scheduled year or replacement	Current Age	Estimated Replacement Cost	Department Requested	Unit #	Year	Make	Model	Mileage or Hours	FY 16-17	FY17-18	FY 18-19	FY 19-20	FY 20-21
N/A	1982	1992	34	\$ 31,000	N/A	195	1982	DODGE	W350 ASSAULT VEHICLE	55,714	31,000	-	-	-	-
C10042	1989	1999	27	31,000	2017	136	1989	FORD	E250	16,843	31,000	-	-	-	-
782064	2005	2010	11	31,000	2017	145	2005	DODGE	1500 4X4 EXT CAB P/U	70,103	31,000	-	-	-	-
154278	2005	2010	11	31,000	2017	150	2005	FORD	CROWN VICTORIA	65,826	31,000	-	-	-	-
A67221	2006	2011	10	31,000	2017	153	2006	FORD	EXPEDITION	72,221	31,000	-	-	-	-
145483	2006	2011	10	31,000	2017	156	2006	FORD	CROWN VICTORIA	48,168	31,000	-	-	-	-
145487	2006	2011	10	31,000	2020	160	2006	FORD	CROWN VICTORIA	10,404	31,000	-	-	-	-
A74815	2007	2012	9	32,000	2017	108	2007	FORD	EXPEDITION	56,616	32,000	-	-	-	-
A74814	2007	2012	9	32,000	2017	123	2007	FORD	EXPEDITION	76,521	32,000	-	-	-	-
229867	2008	2013	8	32,000	2017	114	2008	DODGE	CHARGER	77,875	-	32,000	-	-	-
A60547	2008	2013	8	32,000	2018	119	2008	FORD	EXPEDITION	53,014	-	32,000	-	-	-
258048	2008	2013	8	32,000	2019	168	2008	CHEVROLET	IMPALA	47,086	-	32,000	-	-	-
254919	2008	2013	8	32,000	2019	169	2008	CHEVROLET	IMPALA	39,678	-	32,000	-	-	-
261192	2008	2013	8	32,000	2018	170	2008	CHEVROLET	IMPALA	42,935	-	32,000	-	-	-
260805	2008	2013	8	32,000	2017	171	2008	CHEVROLET	IMPALA	53,476	-	32,000	-	-	-
297174	2009	2014	7	33,000	2017	110	2009	CHEVROLET	IMPALA	68,662	-	-	33,000	-	-
134151	2009	2014	7	33,000	2017	115	2009	FORD	CROWN VICTORIA	71,670	-	-	33,000	-	-
134157	2009	2014	7	33,000	2017	117	2009	FORD	CROWN VICTORIA	57,769	-	-	33,000	-	-
134153	2009	2014	7	33,000	2018	131	2009	FORD	CROWN VICTORIA	56,419	-	-	33,000	-	-
134155	2009	2014	7	33,000	2017	175	2009	FORD	CROWN VICTORIA	69,922	-	-	33,000	-	-
134156	2009	2014	7	33,000	2017	176	2009	FORD	CROWN VICTORIA	75,976	-	-	33,000	-	-
2488	2009	2014	7	33,000		181	2009	STEALTH	APACHE XR	-	-	-	33,000	-	-
629437	2013	2018	3	34,000	2019	200	2013	DODGE	CHARGER	17,019	-	-	34,000	-	-
629438	2013	2018	3	34,000	2018	201	2013	DODGE	CHARGER	33,273	-	-	34,000	-	-
629439	2013	2018	3	34,000	2019	202	2013	DODGE	CHARGER	22,692	-	-	34,000	-	-
629443	2013	2018	3	34,000	2020	203	2013	DODGE	CHARGER	14,787	-	-	34,000	-	-
629440	2013	2018	3	34,000	2019	204	2013	DODGE	CHARGER	24,676	-	-	34,000	-	-
629441	2013	2018	3	34,000	2019	205	2013	DODGE	CHARGER	28,599	-	-	34,000	-	-
629442	2013	2018	3	34,000	2019	206	2013	DODGE	CHARGER	20,197	-	-	34,000	-	-
280363	2013	2018	3	35,000	2019	207	2013	CHEVROLET	TAHOE	23,969	-	-	35,000	-	-
275816	2013	2018	3	35,000	2020	208	2013	CHEVROLET	TAHOE	26,825	-	-	35,000	-	-
280289	2013	2018	3	35,000	2020	209	2013	CHEVROLET	TAHOE	24,503	-	-	35,000	-	-
276601	2013	2018	3	35,000	2020	210	2013	CHEVROLET	TAHOE	23,956	-	-	35,000	-	-
280014	2013	2018	3	35,000	2018	211	2013	CHEVROLET	TAHOE	33,790	-	-	35,000	-	-
280363	2013	2018	3	35,000	2020	212	2013	CHEVROLET	TAHOE	10,981	-	-	35,000	-	-
264576	2010	2015	6	35,000	2018	106	2010	CHEVROLET	TAHOE	75,136	-	-	-	35,000	-
257691	2010	2015	6	35,000	2018	107	2010	DODGE	CHARGER	25,446	-	-	-	35,000	-
144973	2014	2019	2	42,000	2020	109	2014	CHEVROLET	TAHOE 4X4	4,204	-	-	-	42,000	-
257693	2010	2015	6	35,000	2017	118	2010	DODGE	CHARGER	64,043	-	-	-	35,000	-
257692	2010	2015	6	35,000	2018	120	2010	DODGE	CHARGER	50,701	-	-	-	35,000	-
257694	2010	2015	6	35,000	2017	125	2010	DODGE	CHARGER	56,755	-	-	-	35,000	-
257695	2010	2015	6	35,000	2018	132	2010	DODGE	CHARGER	41,803	-	-	-	35,000	-
151414	2014	2019	2	42,000	2020	141	2014	CHEVROLET	TAHOE 4X4	4,756	-	-	-	42,000	-
178765	2014	2019	2	42,000	2020	143	2014	CHEVROLET	TAHOE 4X4	8,603	-	-	-	42,000	-
200183	2014	2019	2	35,000	2020	161	2014	CHEVROLET	TAHOE	6,926	-	-	-	35,000	-
201096	2014	2019	2	35,000	2019	194	2014	CHEVROLET	TAHOE	9,677	-	-	-	35,000	-
200982	2014	2019	2	35,000	2019	213	2014	CHEVROLET	TAHOE	7,906	-	-	-	35,000	-
198966	2014	2019	2	35,000	2019	214	2014	CHEVROLET	TAHOE	8,072	-	-	-	35,000	-
201975	2014	2019	2	35,000	2019	215	2014	CHEVROLET	TAHOE	18,863	-	-	-	35,000	-
200174	2014	2019	2	35,000	2019	216	2014	CHEVROLET	TAHOE	17,903	-	-	-	35,000	-
202888	2014	2019	2	35,000	2019	217	2014	CHEVROLET	TAHOE	15,337	-	-	-	35,000	-
203514	2014	2019	2	34,000	2020	218	2014	DODGE	CHARGER	4,732	-	-	-	34,000	-
203513	2014	2019	2	34,000	2020	219	2014	DODGE	CHARGER	7,332	-	-	-	34,000	-
203509	2014	2019	2	34,000	2020	220	2014	DODGE	CHARGER	4,136	-	-	-	34,000	-

Asset #	Year of Acquisition	Scheduled year or replacement	Current Age	Estimated Replacement Cost	Department Requested	Unit #	Year	Make	Model	Mileage or Hours	FY 16-17	FY17-18	FY 18-19	FY 19-20	FY 20-21
203510	2014	2019	2	34,000	2020	221	2014	DODGE	CHARGER	10,905	-	-	-	34,000	-
203512	2014	2019	2	34,000	2020	222	2014	DODGE	CHARGER	4,162	-	-	-	34,000	-
203511	2014	2019	2	34,000	2020	223	2014	DODGE	CHARGER	6,138	-	-	-	34,000	-
260756	2014	2019	2	42,000	2021	225	2014	DODGE	RAM 2500 TK	5,767	-	-	-	42,000	-
772436	2015	2020	1	42,000	2021	102	2015	DODGE	CHARGER	-	-	-	-	-	42,000
772437	2015	2020	1	42,000	2021	104	2015	DODGE	CHARGER	-	-	-	-	-	42,000
772488	2015	2020	1	42,000	2021	116	2015	DODGE	CHARGER	-	-	-	-	-	42,000
772439	2015	2020	1	42,000	2021	121	2015	DODGE	CHARGER	-	-	-	-	-	42,000
772440	2015	2020	1	42,000	2021	122	2015	DODGE	CHARGER	-	-	-	-	-	42,000
192650	2015	2020	1	42,000		135	2015	BMW	MOTORCYCLE	-	-	-	-	-	42,000
772442	2015	2020	1	42,000	2021	137	2015	DODGE	CHARGER	-	-	-	-	-	42,000
772443	2015	2020	1	42,000	2021	138	2015	DODGE	CHARGER	-	-	-	-	-	42,000
192651	2015	2020	1	42,000		144	2015	BMW	MOTORCYCLE	-	-	-	-	-	42,000
772434	2015	2020	1	42,000	2020	167	2015	DODGE	CHARGER	-	-	-	-	-	42,000
772441	2015	2020	1	42,000	2020	172	2015	DODGE	CHARGER	-	-	-	-	-	42,000
772435	2015	2020	1	42,000	2020	174	2015	DODGE	CHARGER	-	-	-	-	-	42,000
636027	2015	2020	1	42,000	2021	183	2015	CHEVROLET	TAHOE 4X4	-	-	-	-	-	42,000
818534	2015	2020	1	42,000		227	2015	POLARIS	RANGER	-	-	-	-	-	42,000
826810	2015	2020	1	42,000		228	2015	POLARIS	RANGER	-	-	-	-	-	42,000
640763	2015	2020	1	42,000	2021	229	2015	CHEVROLET	TAHOE 4X4	-	-	-	-	-	42,000
635936	2015	2020	1	42,000	2021	230	2015	CHEVROLET	TAHOE 4X4	-	-	-	-	-	42,000
636698	2015	2020	1	42,000	2021	231	2015	CHEVROLET	TAHOE 4X4	-	-	-	-	-	42,000
635795	2015	2020	1	42,000	2021	232	2015	CHEVROLET	TAHOE 4X4	-	-	-	-	-	42,000
<b>\$ 2,777,000</b>											281,000	192,000	679,000	827,000	798,000

Asset #	Year of Acquisition	Current Age (Years)	Estimated Cost to Replace	Unit #	Year	Make	Model	Mileage or Hours	FY 16-17	FY17-18	FY 18-19	FY 19-20	FY 20-21
594049	2005	11	\$ 34,500	5404	2005	Dodge	Durango	71,004	34,500	-	-	-	-
A60527	2008	8	39,500	5401	2008	Ford	Escape Hybrid	56,703	-	39,500	-	-	-
A79953	2008	8	39,500	5405	2008	Ford	Escape Hybrid	59,308	39,500	-	-	-	-
C11758	2009	7	34,500	5402	2009	Ford	Eccape XLT 4WD	29,222	-	-	34,500	-	-
<b><u>\$ 148,000</u></b>									<b><u>74,000</u></b>	<b><u>39,500</u></b>	<b><u>34,500</u></b>	<b><u>-</u></b>	<b><u>-</u></b>

Engineering  
Replacement Vehicles  
2016-2021

Asset #	Year of acquisition	Current Age (Years)	Estimated cost of replacement	Unit #	Year	Make	Model	Mileage or Hours	FY 16-17	FY17-18	FY 18-19	FY 19-20	FY 20-21
A02030	2007	9	\$ 65,000	5501	2007	FORD	F350 4X4 XL SUPER DUTY	43,480	-	65,000	-	-	-
			<b>\$ 65,000</b>						-	65,000	-	-	-

Fleet Maintenance  
Replacement Vehicles  
2016-2021

Asset #	Year of Acquisition	Current Age (Years)	Estimated Cost of Replacement	Unit #	Year	Make	Model	Item Description	Mileage or Hours	FY 16-17	FY17-18	FY 18-19	FY 19-20	FY 20-21
1857	2004	12	\$ 140,000	5625	2004	HYUNDAI	HL740TM-7	LOADER	251	140,000	-	-	-	-
2342	2004	12	21,500	5637	2004	LAY-MOR	SWEEPER	TRACTOR	787		21,500	-	-	-
V11042	2005	11	209,000	5626	2005	STERLING	-	STREET SWEEPER	3,748	209,000	-	-	-	-
2051	2005	11	101,250	5627	2005	JOHN DEERE	6420 TRACTOR	TRACTOR	673		101,250	-	-	-
404106	2007	9	168,500	5613	2007	INTERNATIONAL	4200 SBA 4X2	DUMP TRUCK	4,997	168,500				
404106	2006	10	-	5613-P	2006	GOOD ROADS	120M 10X36	SNOW PLOW	-	-	-	-	-	-
404106	2009	7	-	5613-B	2009	DULTMEIER	DU1A401A	BRINE SPRAYER	-	-	-	-	-	-
404105	2007	9	168,500	5614	2007	INTERNATIONAL	4200 SBA 4X2	DUMP TRUCK	5,019	-	168,500	-	-	-
404105	2006	10	-	5614-P	2006	GOOD ROADS	120M 10X36	SNOW PLOW	-	-	-	-	-	-
404105	2009	7	-	5614-B	2009	DULTMEIER	DU1A401A	BRINE SPRAYER	-	-	-	-	-	-
1935	2007	9	13,500	5623	2007	HUSTLER	SUPER Z	LAWN MOWER	1,485	13,500	-	-	-	-
A43484	2008	8	60,000	5609	2008	FORD	F350 4X4 CREW CAB	TRUCK	42,425	-	-	60,000	-	-
2340	2008	8	116,750	5610	2008	JCB	3C	BACKHOE	1,469	-	-	-	116,750	-
C31011	2008	8	60,000	5615	2008	FORD	F350 4X4 CREW CAB	TRUCK	50,843	-	-	60,000	-	-
2339	2008	8	182,500	5619	2008	CHAMPION	C86C	MOTOR GRADER	930	-	-	182,500	-	-
A19112	2008	8	60,000	5632	2008	FORD	F350 4X4 CREW CAB	TRUCK	54,070	-	-	60,000	-	-
2433	2009	7	-	5606-S	2009	SWENSON	STAINLESS SPREADER	SPREADER	-	-	-	-	-	-
B22038	2009	7	60,000	5638	2009	FORD	F250 4X4 EXT CAB	TRUCK	47,453	-	-	-	60,000	-
FA2115	2012	4	215,000	5646	2013	FREIGHTLINER	STREET SWEEPER	STREET SWEEPER	973	-	-	-	215,000	-
14059	2014	2	13,500	5649	2014	John Deere	Z930M	LAWN MOWER	521	-	-	13,500	-	-
14060	2014	2	13,500	5612	2014	John Deere	Z930M	LAWN MOWER	438	-	-	13,500	-	-
2467	2010	6	72,000	5605	2010	HAMM	HD 13 VV		414	-	-	-	-	72,000
2429	2010	6	192,000	5622	2010	LINKBELT	EXCAVATOR		1,094	-	-	-	-	192,000

**\$ 1,867,500**

**TOTALS**

**531,000 291,250 389,500 391,750 264,000**

Streets  
Replacement Vehicles  
2016-2021

Asset #	Year of acquisition	Current Age (Years)	Estimated Cost to Replace	Unit #	Year	Make	Model	Item Description	Mileage or Hours	FY 16-17	FY17-18	FY 18-19	FY 19-20	FY 20-21
Y22838	2007	9	195,000	5808	2007	FREIGHTLINER	FL-70	LEAF TRUCK	5,367	-	195,000	-	-	-
041361	2008	8	208,500	5807	2008	INTERNATIONAL	7400 SBA 4X2	GARBAGE TRUCK	9,919	208,500	-	-	-	-
C31010	2008	8	45,000	5809	2008	FORD	F250 CREW CAB	TRUCK	96,308	-	-	45,000	-	-
AU6827	2010	5	150,750	5810	2010	FREIGHTLINER	M2	KNUCKLEBOOM	4,161	-	-	-	-	150,750
FG4363	2013	2	246,000	5813	2013	FREIGHTLINER	108SD	GARBAGE TRUCK	3,997	-	-	-	-	246,000
<b><u>\$ 845,250</u></b>										<u>208,500</u>	<u>195,000</u>	<u>45,000</u>	<u>-</u>	<u>396,750</u>

Asset #	Year of Acquisition	Current Age (Years)	Estimated Cost to Replace	Unit #	Year	Make	Model	Mileage or Hours	FY 16-17	FY17-18	FY 18-19	FY 19-20	FY 20-21	
A63336	2009	7	\$ 30,000	5001	2009	FORD	E150 CARGO VAN	23,174	-	-	30,000	-		
			<u>\$ 30,000</u>							<u>-</u>	<u>-</u>	<u>30,000</u>	<u>-</u>	<u>-</u>

Public Facilities  
Replacement Vehicles  
2016-2021

Asset #	Year of Acquisition	Current Age (Years)	Estimated Cost of Replacement	Unit #	Year	Make	Model	Item Description	Mileage or Hours	FY 16-17	FY17-18	FY 18-19	FY 19-20	FY 20-21
116090	2005	11	190,000	8505	2005	INTERNATIONAL	4300	BUCKET TRUCK	3,073	190,000	-	-	-	-
1957	2005	11	85,000	8519	2005	BOBCAT	430HAG ZHS	TRACKHOE	2,396	85,000	-	-	-	-
1944	2005	11	89,500	8545	2005	SHERMAN & REILLY	UNDERDAWG TRAILER	TRAILER	97	-	89,500	-	-	-
2144	2006	10	85,000	8511	2006	BOBCAT	435 HAG	EXCAVATOR	2,024	85,000	-	-	-	-
2057	2006	10	20,000	8546	2006	BOBCAT	2200D ATV 4X4	ATV	179	-	-	20,000	-	-
73	2006	10	" "	8548	2006	DITCH WITCH	JT2020 MACH1	BOARING MACHINE	506	-	" "	-	-	-
73	2006	10	215,000	8550	2006	HUDSON	TRAILER	TRAILER	421	-	215,000	0	-	-
B19161	2007	9	40,500	8501	2007	FORD	E350 VAN	VAN	77,712	-	40,500	-	-	-
428141	2007	9	158,000	8537	2007	INTERNATIONAL	4200 SBA 4X2	DUMP BED	941	-	-	158,000	-	-
436364	2007	9	204,000	8543	2007	INTERNATIONAL	4300 SBA 4X2	BUCKET TRUCK	2,886	-	204,000	-	-	-
436362	2007	9	204,000	8549	2007	INTERNATIONAL	4300 SBA 4X2	BUCKET TRUCK	2,968	204,000	-	-	-	-
2308	2008	8	125,500	8522	2008	YANMAR	Vi075-A	EXCAVATOR	1,128	-	-	125,500	-	-
083478	2009	7	190,500	8531	2009	INTERNATIONAL	4200	BUCKET TRUCK	5,279	-	-	-	190,500	-
2481	2010	6	47,500	8561	2010	WACKER NEUSON	RTSC2		43	-	-	-	-	47,500
2482	2010	6	47,500	8562	2010	WACKER NEUSON	RTSC2		49	-	-	-	-	47,500

**\$ 1,702,000**

**564,000 549,000 303,500 190,500 95,000**

Electric - Operations  
Replacement Vehicles  
2016-2021

Asset #	Year of Acquisition	Current Age (Years)	Estimated Cost to Replace	Unit #	Year	Make	Model	Item Description	Mileage or Hours	FY 16-17	FY17-18	FY 18-19	FY 19-20	FY 20-21
C67280	2006	10	\$ 50,000	8603	2006	FORD	F350 4X4 CREW CAB	TRUCK	62,623	50,000	-	-	-	-
37072551	2008	8	125,550	8605	2008	YANMAR	Vi075-A	TRACKHOE	1,652	-	-	125,550	-	-
<b><u>\$ 175,550</u></b>										<u>50,000</u>	<u>-</u>	<u>125,550</u>	<u>-</u>	<u>-</u>

Tree Trimming  
Replacement Vehicles  
2016-2021