



Winston-Salem

2014-2019
CAPITAL PLAN

CITY OF WINSTON-SALEM, NORTH CAROLINA

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OUR MISSION

The City of Winston-Salem provides quality, affordable services that ensure the health, safety and well-being of citizens, while collaborating throughout the community to ensure its economic, social and environmental vitality.

OUR VISION

A municipal government deserving of public confidence, that provides excellent and innovative services, and is an active and cooperative partner in creating a vital community.

OUR VALUES:

- ✓ Openness
- ✓ Integrity
- ✓ Equity
- ✓ Accountability
- ✓ Teamwork
- ✓ Respect for all citizens
- ✓ Fiscal soundness
- ✓ Continuous learning and improvement

PROPOSED



Winston-Salem

2014-2019 CAPITAL PLAN

CITY OF WINSTON-SALEM, NORTH CAROLINA

CITYOFWS.ORG

MAYOR Allen Joines CITY COUNCIL Vivian H. Burke, Mayor Pro Tempore, Northeast Ward
Wanda Merschel, Northwest Ward, Finance Committee Chairman - Denise D. Adams, North Ward
Dan Besse, Southwest Ward - Robert C. Clark, West Ward - Molly Leight, South Ward
Derwin L. Montgomery, East Ward - James Taylor Jr., Southeast Ward
CITY MANAGER Lee D. Garrity BUDGET & EVALUATION DIRECTOR Ben Rowe



Winston-Salem



Winston-Salem

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May 30, 2013

Dear Mayor Joines and Members of the City Council:

I hereby transmit to you the proposed 2014-2019 Capital Plan for the City of Winston-Salem. The Capital Plan provides a schedule of the City's capital appropriations for the next six years. The purpose of capital planning is to fund all appropriate capital needs by matching projects with the appropriate funding source(s) at the appropriate time. The planned capital appropriations from 2013-2014 through 2018-2019 total \$360.7 million.

The six-year Capital Plan is a guide. As such, it is subject to change and revision in the future as Council initiatives and priorities change. Year One of the Capital Plan (FY 2013-2014) represents the budget year and is adopted with the annual operating budget. Years Two through Six are planning years.

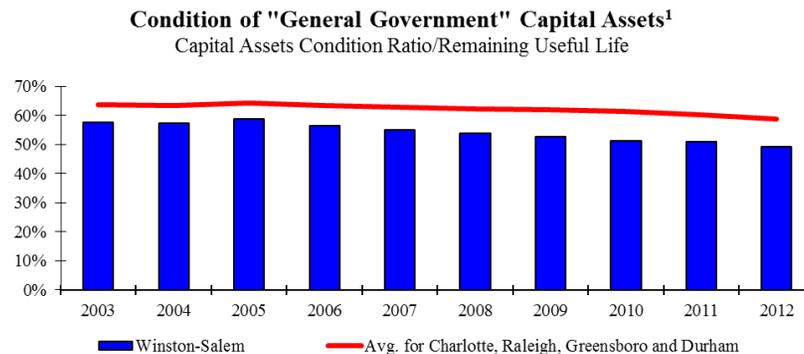
The FY 2013-2014 capital budget represents a "two-thirds bonds" year in which the City Council can issue up to \$3,945,000 in two-thirds general obligation bonds. Every other year, the City Council can issue up to two-thirds of the net principal of general obligation debt that is retired in the previous year. For FY 2013-2014, the proposed Capital Plan appropriates two-thirds bonds to fund major maintenance of the City's fire stations, recreation and parks facilities, bridges, and roads.

In addition, the City is projected to receive three months of additional registered motor vehicle property taxes and motor vehicle privilege taxes in FY 13-14 as a result of the transition to the State's new vehicle registration system (\$2.1 million). The proposed budget appropriates \$1.5 million in registered motor vehicle property taxes for the purchase of four side-loading refuse trucks and automatic vehicle locators. The remaining \$600,000 that would come from additional motor vehicle privilege taxes is appropriated to provide matching funds for State funding of transportation projects including the Martin Luther King, Jr. Drive enhancement project, intersection improvements, and bicycle and pedestrian facilities improvements. These funds also would provide additional funding for future traffic safety projects, greenway development, and matching funds for federal bus grants.

CAPITAL PLAN OBJECTIVES

The City of Winston-Salem owns approximately \$383 million in capital assets (excluding enterprise funds), which depreciate over time. Therefore, it is critical to re-invest in existing infrastructure to avoid a situation where rapidly aging assets would affect service quality. What is needed, therefore, is an appropriate mix of re-investment as well as new investment that supports future economic prosperity.

The University of North Carolina at Chapel Hill School of Government has created a model for assessing a government's financial condition, including the condition of capital assets. The "Capital Assets Condition Ratio" measures how well a government entity is investing in new and existing capital assets. Key to making a good analysis is the inclusion of a comparative benchmark using data from peer cities. A higher ratio suggests a government entity is investing more in its current capital assets and in new capital infrastructure for future prosperity. A value of less than 50% suggests that a government may be falling behind in capital asset investment and may incur future liabilities. Rating agencies generally consider this to be a non-sustainable situation.



¹ Excludes enterprise funds such as water/sewer, stormwater, and solid waste

For Winston-Salem, the "capital assets condition ratio" is greater than 50%, which suggests an overall healthy condition. However, existing assets that require more re-investment include roadway surfaces (asphalt), playgrounds, fire stations, recreation centers, general government facilities/buildings, parking decks, and other capitalized infrastructure.

The Capital Plan for 2014-2019 makes some strides in addressing existing capital asset conditions through the continuation of funding for "facilities renewal" projects, which the City began in FY 2006-2007 for fire stations and recreation centers. For fiscal years 2014-2019, funds are recommended to support and invest in existing recreation and parks facilities including athletic field lighting,

playgrounds, swimming pools, and picnic shelters, as well as bridges, street resurfacing, stormwater infrastructure, and water/sewer facilities.

UNFUNDED CAPITAL PROJECTS

A listing of unmet capital needs, totaling \$577 million is included in the final section of this document. In December 2010, the City Council created the Citizens' Capital Needs Committee to review the City's capital needs and make recommendations for what the City Council should consider in a potential bond referendum. The Committee recommended three bond packages totaling \$75 million, \$101 million, and \$125 million. During its review, the Committee focused on making sure all project categories (i.e., community and economic development, public safety, transportation, recreation and parks, public assembly facilities, and general government) received funding with sensitivity to the need to have a balance of projects across the community. The Committee also focused on making sure critical maintenance needs were included in each of the three bond packages. In April 2011, the Committee presented its report to the City Council, which the Council formally received by resolution.

The unfunded capital needs section of the Capital Plan includes the projects reviewed by the Citizens' Capital Needs Committee, along with other unfunded capital needs that have been identified since the committee's review.

City staff and I stand ready to discuss the proposed six-year plan, as well as the list of unfunded capital needs.

Sincerely,

A handwritten signature in cursive script that reads "Lee D. Garrity".

Lee D. Garrity
City Manager



Table of Contents

| | |
|---|----|
| Capital Plan Introduction..... | 1 |
| Summary | |
| Expenditure Totals by Service Area..... | 11 |
| Expenditure Totals by Project | 13 |
| Total Funding Source Summary..... | 17 |
| Projects Funded by Two-Thirds Bonds | 19 |
| Projects Funded by the North Carolina Municipal Leasing Corporation | 20 |
| Projects Funded by Motor Vehicle Privilege Tax | 21 |
| Projects Funded by General Fund Resources | 22 |
| Community and Economic Development | |
| Expenditure and Funding Source Summary | 25 |
| Homeowner Assistance/Production..... | 26 |
| Neighborhood Development..... | 27 |
| Rental Housing Assistance/Production | 28 |
| Environmental Health | |
| Expenditure and Funding Source Summary | 31 |
| <i>Solid Waste Disposal:</i> | |
| Hanes Mill Road Landfill - Cell Construction | 33 |
| Hanes Mill Road Landfill - Gas Extraction System | 34 |
| <i>Water and Wastewater Treatment:</i> | |
| 15 th Street Pump Station Electrical Upgrades..... | 35 |
| Archie Elledge / Muddy Creek Wastewater Treatment Plants Nutrient Removal | 36 |
| Archie Elledge Wastewater Treatment Plant Expansion..... | 37 |
| Archie Elledge Wastewater Treatment Plant Rehabilitation and Upgrades | 38 |
| Idol’s Pump Station Rehabilitation - Phase II | 39 |
| Lift Station Replacement / Improvements | 40 |
| Muddy Creek Wastewater Treatment Plant Rehabilitation and Upgrades | 41 |
| R.W. Neilson Water Treatment Plant - Phase II Modernization | 42 |
| Sides Road Pump Station Electrical Upgrades..... | 43 |
| Wastewater Treatment Plant Transfer Pump Station and Force Main | 44 |
| Water Treatment Rehabilitation and Upgrades | 45 |

Table of Contents Continued

Environmental Health Continued

Water Distribution and Wastewater Collection:

| | |
|---|----|
| 2" Water Main Replacement | 46 |
| 21 st , 22 nd , and 23 rd Street Water and Sewer Rehabilitation..... | 47 |
| Advanced Meter Infrastructure..... | 48 |
| Ardmore Area Water and Sewer Rehabilitation..... | 49 |
| Construction and Maintenance Facilities Improvements | 50 |
| Elledge Basin Rehabilitation | 51 |
| Harper Road Lift Station / Clemmons No. 1 Expansion | 52 |
| Muddy Creek Basin Find and Fix Project | 53 |
| Muddy Creek Basin Rehabilitation | 54 |
| New Elevated Water Tanks | 55 |
| NCDOT Road Widening Project Utility Relocations..... | 56 |
| South Fork Basin Capacity Improvements..... | 57 |
| Tanglewood Lift Station Improvements..... | 58 |
| Wastewater Collection System Improvements..... | 59 |
| Water Distribution System Improvements | 60 |
| Water Tank Rehabilitation..... | 61 |

Stormwater Management:

| | |
|---|----|
| 28 th Street Stormwater Improvements | 62 |
| Drainage Improvements on Private Property | 63 |
| Stormwater Infrastructure Renovations..... | 64 |

Public Safety

| | |
|--|----|
| Expenditure and Funding Source Summary | 67 |
|--|----|

Fire Department:

| | |
|-------------------------------------|----|
| Fire Apparatus Replacement | 68 |
| Fire Stations Facility Renewal..... | 69 |

Transportation

| | |
|--|----|
| Expenditure and Funding Source Summary | 73 |
|--|----|

Streets and Sidewalks:

| | |
|--|----|
| Bridge Repair and Replacement | 74 |
| Martin Luther King Enhancement Project..... | 75 |
| New Traffic Signal System | 76 |
| Sidewalk Maintenance / New Sidewalk Construction..... | 77 |
| Surface Transportation Program-Direct Apportionment Bicycle and Pedestrian Projects..... | 78 |

Table of Contents Continued

Transportation Continued

Streets and Sidewalks Continued:

| | |
|---|----|
| Surface Transportation Program-Direct Apportionment Intersection Projects | 79 |
| Street Resurfacing Projects..... | 80 |
| Traffic Calming Projects | 81 |
| Traffic Safety Projects | 82 |

Mass Transit:

| | |
|-------------------------------------|----|
| Fixed Route Bus Replacement | 83 |
| Passenger Amenities..... | 84 |
| Security Enhancements | 85 |
| Trans-AID Vehicle Replacement | 86 |
| Transit Equipment Replacement | 87 |
| Transit Facility Renovations..... | 88 |
| Transit Vehicle Maintenance..... | 89 |

Recreation and Culture

| | |
|--|----|
| Expenditure and Funding Source Summary | 93 |
|--|----|

Recreation Facilities / Parks Renovations and Expansions:

| | |
|---|-----|
| Picnic Shelter Renovations/Replacements | 94 |
| Playground Renovations..... | 95 |
| Recreation and Parks Department Facilities Renewal..... | 96 |
| Recreation and Parks Facilities Sidewalk and Roadway Resurfacing..... | 97 |
| Recreation Facility Lighting..... | 98 |
| Swimming Pool Repairs | 99 |
| Winston Lake Golf Course Improvements | 100 |

Greenways and Trails:

| | |
|----------------------------------|-----|
| Other Greenway Development | 101 |
|----------------------------------|-----|

Convention Center:

| | |
|--------------------------|-----|
| Capital Renovations..... | 102 |
|--------------------------|-----|

Table of Contents Continued

Interdepartmental Services

Expenditure and Funding Source Summary 105

Engineering:

Lowery Street Facility Construction - Phase I..... 106

Property and Facilities Management:

Automated Vehicle Locators (AVL) 107

Information Systems:

Fiber Optic Upgrade 108

Unfunded Capital Needs

Unfunded Community and Economic Development Capital Projects 111

Unfunded Public Safety Capital Projects 113

Unfunded Transportation Capital Projects 117

Unfunded Recreation and Culture Capital Projects..... 121

Unfunded Interdepartmental Services Capital Projects..... 128

Capital Plan 2014-2019

◆ Introduction

The City's Capital Plan is a six-year plan for the scheduling and appropriation of funds for major projects that represent significant contributions to the City's overall inventory of physical assets. The types of projects traditionally included in the Capital Plan are major, non-recurring expenditures for:

- construction, purchase, or major renovation of buildings, utility systems, streets, or other physical structures;
- purchase of land for redevelopment, right-of-way for streets and utilities, parks, and sites associated with public buildings;
- stimulation of economic development and housing (for business parks, downtown development, housing production, housing rehabilitation, and housing loans and grants).

To be considered for inclusion in the Capital Plan, the project must meet the following criteria:

- project or equipment life of greater than ten years;
- estimated cost of at least \$50,000 (\$150,000 for equipment).

The first year of the Capital Plan represents the actual capital project budget appropriations for that year. Approval of the Capital Plan, therefore, commits the City to the first year of capital projects, with conditional approval for those projects listed in the five future planning years. Each year, the Capital Plan is updated with the inclusion of the previously approved capital budget in "Prior Year Appropriations" and the addition of a planning year in order to maintain a six-year program.

◆ Capital Plan Preparation Calendar

The Capital Plan is prepared annually, typically beginning with a planning session in October for key department and division heads. At the meeting, the city manager, along with the budget and planning staffs, presents information concerning the City's environment for long-range capital planning and reviews the City's existing long-range plans and guidelines. The budget staff reviews the projects included in the previously approved Capital Plan and discusses the requirements for submitting new projects for consideration in the upcoming plan. Subsequent steps in the

Capital Plan preparation process include the following:

| | |
|----------------------------|---|
| <i>October to December</i> | Departmental preparation of project requests: Requests include information concerning project justification (objectives, who benefits, and priority), cost estimates, available resources, project timing requirements, and impact on the operating budget. |
| <i>January</i> | Budget and planning staff review of project requests: Review includes detailed verification of project description, justification, priorities, and cost estimates. |
| <i>February</i> | Budget staff draft of initial projects to be included in the upcoming Capital Plan: Draft is reviewed internally with departments, assistant managers, and the city manager. |
| <i>March to April</i> | Capital Plan proposal along with the annual operating budget proposal prepared for submission to the City Council in late May. |

◆ Capital Plan Overview

The Capital Plan provides a capital appropriations schedule for fiscal years 2014-2019 totaling \$360.7 million. This total includes projects funded by general fund, two-thirds bonds, utility revenue bonds, state and federal grants, gasoline taxes, North Carolina Municipal Leasing Corporation proceeds, capital reserves, and other resources. The last section of this document provides a list of unmet capital needs totaling \$577 million.

◆ Expenditure Overview: 2014-2019

Community and Economic Development Projects

Community and economic development projects represent \$10.4 million, or 2.9% of the total Capital Plan for 2014-2019.

The five-year Consolidated Housing and Community Development Plan accounts for the total planned appropriations (\$10.4 million).

Environmental Health Projects

Environmental health projects represent the largest investment, \$255.4 million, or 70.8% of the total Capital Plan for 2014-2019.

Environmental health projects include major capital investments in solid waste disposal, water/wastewater treatment, water distribution/wastewater collection, and stormwater management. The Capital Plan includes expansion of Hanes Mill Road Landfill and construction of a methane gas system at Hanes Mill Road Landfill (\$7.0 million).

Water and sewer system projects (\$235.4 million) include upgrades to water and wastewater treatment facilities and reinvestments in the 100 year

old water distribution and wastewater collection system. Major projects include the construction of a wastewater treatment plant transfer pump station and force main (\$53.4 million) and capacity improvements in the South Fork Basin (\$57.9 million). The City-County Utility Commission will approve each project-related contract as the projects are scheduled for implementation.

Stormwater projects include stormwater infrastructure renovations (\$11.0 million), drainage improvements on private property (\$1.5 million), and stormwater improvements on 28th Street (\$500,000).

Public Safety Projects

Public safety projects total \$9.7 million, or 2.7% of the total Capital Plan for 2014-2019.

Investments in public safety over the six-year period include regular replacement of fire apparatus (\$8.9 million) and fire stations facility renewal projects for regular “wear-and-tear” maintenance (\$800,000).

Transportation Projects

Transportation projects total \$61.7 million, or 17.1% of the total Capital Plan for 2014-2019.

Transportation projects are categorized as streets and sidewalks projects and mass transit projects. These projects represent an investment of approximately \$61.7 million in Winston-Salem's transportation system over the next six years. The streets and sidewalks section of the Capital Plan includes the Martin Luther King, Jr. Drive enhancement project, bridge replacements, construction of a new traffic signal system, additional sidewalk construction and repairs, bicycle and pedestrian facility improvements, intersection improvements, street resurfacing, traffic calming, and traffic safety projects (\$40.1 million). In FY 13-14, the City will receive three months of additional motor vehicle privilege taxes due to the transition to the State's new vehicle registration system (+\$600,000). The proposed budget appropriates these funds to provide the local matches for State funding for the Martin Luther King, Jr. Drive enhancement project, intersection improvements, and bicycle and pedestrian improvements. In addition, a portion of the funds would be designated for future traffic safety projects, greenway development, and the purchase of hybrid electric buses.

The six-year capital plan for the Winston-Salem Transit Authority (WSTA) includes the replacement of fixed route and Trans-AID buses, transit facility renovations, vehicle maintenance, passenger amenities, and security enhancements (\$21.6 million). The Federal Transit Administration provides most of the funding for these projects. Fixed route and Trans-AID bus replacements are included in the Capital Plan to show WSTA's projected replacement schedule. Funding has not been identified beyond FY 13-14.

Recreation and Culture Projects

Recreation and culture projects total \$7.2 million, or 2.9% of the total Capital Plan for 2014-2019.

The six-year Capital Plan provides for investments in future greenways using an allocation of the \$5 motor vehicle privilege tax designated for non-vehicular transportation (\$585,500).

Other major projects associated with recreation and parks facilities include: playground renovations (\$1.6 million), recreation facilities renewal projects for regular “wear-and-tear” maintenance (\$1.2 million), swimming pool repairs (\$770,000), Winston Lake Golf Course improvements (\$750,000), picnic shelter renovations/replacements (\$350,000), recreation facility lighting renovations (\$260,000), and recreation facilities sidewalk and roadway resurfacing (\$250,000).

For public assembly facilities, the Capital Plan includes funding for improvements at the M. C. Benton, Jr. Convention and Civic Center. Under the City’s agreement with Noble-Interstate, LLC, the City will provide \$250,000 per year for capital needs at the convention center (\$1.5 million over the next six years). The City’s contribution for FY 13-14 was appropriated during FY 12-13 to provide for internet technology improvements.

Interdepartmental Services

Interdepartmental services projects total \$16.3 million, or 4.5% of the total Capital Plan for 2014-2019.

Projects include Phase I of the Lowery Street Facility, which will provide for the relocation of City Yard, the purchase of automatic vehicle locators, and fiber optic upgrades. The Capital Plan includes \$14.0 million in limited obligation bonds for Phase I of the Lowery Street Facility. The proposed budget appropriates \$492,000 in one-time registered motor vehicle property taxes that the City will receive as a result of the transition to the State’s new vehicle registration system. The fiber optic upgrade, which would enable the City to reduce future information systems expenses, would be funded from a number of sources, including information systems fund balance, general fund balance, water and sewer fund balance, and a contribution from the school system.

◆ **Funding Source Overview: 2014-2019**

General Fund

General fund appropriations represent 0.1% of the total resources in the 2014-2019 Capital Plan.

The Capital Plan includes a fund balance appropriation in FY 14-15 to provide \$539,480 for fiber optic upgrades.

Bonds

Bond financing accounts for 50.0% of the total resources in the 2014-2019 Capital Plan.

Two-Thirds Bonds

The City Council has statutory authority to issue bonds without a referendum in amounts up to two-thirds of the net retired principal debt in the previous year. These bonds are referred to as “two-thirds” bonds. The six-year Capital Plan includes \$11.9 million in two-thirds bond projects, including renovations to the City’s infrastructure and major maintenance of City facilities.

The following presents a breakdown of two-thirds bond funding by service area.

| | |
|---|-------|
| Transportation | 52.9% |
| Recreation and Culture (Recreation and Parks) | 40.4% |
| Public Safety (Fire) | 6.7% |

A complete list of the projects to be funded from two-thirds bonds can be found on page 19.

Two-thirds bonds account for \$11.9 million of the total resources in the Capital Plan.

Revenue Bonds

The City Council may authorize the issuance of revenue bonds for those enterprise funds that will generate their own revenues. No debt limitations are applied, and voter approval is not required because property taxes are not pledged to retire revenue bonds. The six-year Capital Plan includes \$154.3 million in revenue bonds to finance water and sewer capital projects.

Revenue bonds represent the largest funding source, \$154.3 million of the total resources in the Capital Plan.

Limited Obligation Bonds

The City Council may authorize the issuance of limited obligation bonds (LOBS), which require a pledge of City assets as collateral to secure the financing. Voter approval is not required. The Capital Plan includes \$14.0 million in limited obligation bonds for Phase I of the Lowery Street Facility project.

Intergovernmental Resources

Intergovernmental resources represent 15.3% of the total resources in the Capital Plan.

Intergovernmental resources totaling \$55.4 million include: \$17.6 million in Federal Transit Administration funds for fixed route and Trans-AID bus replacements and other transit-related capital projects; \$8.3 million in Community Development Block Grant funds, HOME Trust funds, and program income for housing development; \$7.2 million from the North Carolina gasoline tax (i.e., Powell Bill funds) for street resurfacing and construction of a new traffic signal system; \$9.6 million from the North Carolina Department of Transportation for bridge replacements and transit projects; and \$12.7 million in federal Surface Transportation Program-Direct Apportionment (STP-DA) funding for bicycle and pedestrian facility improvements and intersection improvements.

Reserves

Reserves account for 30.1% of the total resources in the Capital Plan.

The Capital Plan includes appropriations of \$101.8 million from various reserves and project balances to fund projects in community and economic development, environmental health, transportation, and interdepartmental services.

In the community and economic development service area, the Capital Plan includes appropriations from housing finance assistance fund balance to provide for single-family housing production and homeowner assistance (\$2.1 million).

In the environmental health service area, capital reserves are appropriated to fund improvements for solid waste disposal, the water and sewer system, and stormwater management. The plan appropriates \$7.0 million in solid waste disposal fund reserves for continued expansion of Hanes Mill Road Landfill and expansion of the methane gas collection system. The plan also appropriates \$81.3 million in water and sewer fund balance to provide for major maintenance of water and wastewater treatment facilities and water distribution and wastewater collection system improvements. The Capital Plan also appropriates \$13.0 million in stormwater management fund balance to pay for public drainage system improvements, drainage improvements on private properties that meet the criteria of the City's "70/30" policy, and 28th Street stormwater improvements.

The Capital Plan uses \$2.4 million from capital project reserves to fund the 20% local match for Surface Transportation Program - Direct Apportionment (STP-DA) funds for intersection improvements and bicycle and pedestrian facility improvements.

The Capital Plan includes \$2.5 million from mass transit tax fund reserves to provide the local match for federal transit capital funds. This amount includes the use of reserves to match future grants for fixed route and Trans-AID bus replacements, which currently have not been identified.

The Capital Plan uses \$600,000 from information systems fund balance to provide a portion of the funding for the fiber optic upgrade.

Other

Other resources account for \$15.8 million or 4.4% of the total resources in the Capital Plan.

Motor Vehicle Privilege Tax

In August 2005, the North Carolina General Assembly adopted local legislation that permitted the City to increase the motor vehicle privilege tax from \$10 up to \$20, in \$5 increments. In February 2006, the City Council authorized the levy of the first \$5 of the new motor vehicle privilege tax. According to the legislation, one-third of the proceeds from the new tax must be used for traffic management functions such as traffic calming, one-third must be used for public transit such as bus and streetcar systems, and one-third must be used for non-vehicular transportation functions such as sidewalks and greenways. The Capital Plan includes \$3.2 million in proceeds from the first \$5 for the purposes noted above, except non-capital transit expenditures. The City Council has not adopted the second \$5 increment. A complete list of the projects to be funded from this tax can be found on page 21.

The proposed capital budget for FY 13-14 includes \$600,000 in additional motor vehicle privilege taxes from the transition to the new State vehicle registration system. These funds would provide matching funds for State funding for a number of transportation projects, as well as funding for future traffic safety projects, greenway development, and matches for federal bus grants.

The motor vehicle privilege tax accounts for 1.0% of the total resources in the Capital Plan.

North Carolina Municipal Leasing Corporation

The Capital Plan finances \$10.4 million in capital needs through the North Carolina Municipal Leasing Corporation (NCMLC). This funding will be used for the regular replacement of fire apparatus and facility improvements at the M.C. Benton, Jr. Convention and Civic Center. The City will make annual payments to the NCMLC through the Fire Department's operating budget and the debt service fund.

Financing these capital needs through the NCMLC accounts for 2.9% of the total resources in the Capital Plan.

Contributions/Sponsorships

The Capital Plan includes \$1.1 million in anticipated contributions and sponsorships over the next six years for the following: the fiber optic upgrade (\$536,840), the Martin Luther King, Jr. Drive enhancement project (\$312,500), and playground renovations (\$300,000).

Contributions and sponsorships account for 0.3% of the total resources in the Capital Plan.

Registered Motor Vehicle Property Tax

As a result of the transition to the State's new vehicle registration system, the City will receive three months of additional registered motor vehicle property taxes—approximately \$1.5 million. The proposed budget appropriates \$1.0 million for the purchase of four side-loading refuse trucks, which are not reflected in the Capital Plan, and approximately \$500,000 for the purchase of automatic vehicle locators. Both investments will improve the efficiency of City operations and reduce expenditures in future years.

◆ **Impact on the Operating Budget: 2014-2019**

Several projects in the Capital Plan would have a quantifiable impact on the City's operating budget once they are completed. A summary is provided below:

Public Safety/Fire Department

- Fire Apparatus Replacement (\$2.6 million in general fund support over the six-year period for 10-year lease payments, offset by retiring lease payments)

Recreation and Culture

- Convention Center Capital Renovations (\$1.45 million in general fund support over the six-year period per the agreement with Noble-Interstate, LLC)

The impact to the general fund budget over the next six years totals \$4.0 million, for an average annualized impact of \$667,000.

A more detailed description of each project's operating impact can be found in the following service area sections, which include a description and financial summary for each project.

◆ **Unfunded Capital Projects**

Over the last several years, the City staff has compiled a list of unmet capital needs through feedback from City Council, departments, and citizens. In December 2010, the City Council created the Citizens' Capital Needs Committee to review these unmet needs and make recommendations for what the City Council should consider for a potential bond referendum. In April 2011, the City Council formally received the report of the Citizens' Capital Needs Committee. The unfunded capital needs section of the Capital Plan includes the projects reviewed by the committee.

A list of unfunded capital projects, which total over \$577 million, can be found in the final section of the Capital Plan.

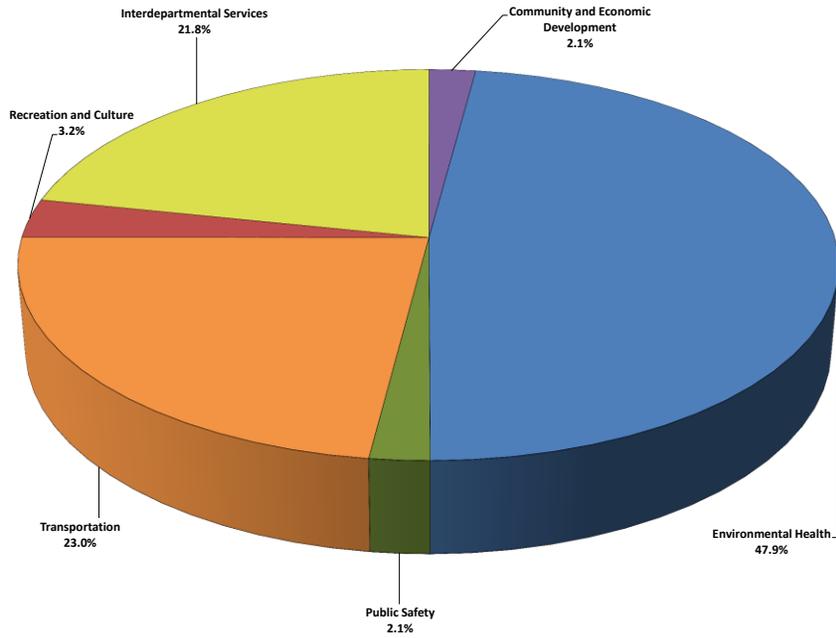
Summary

| | |
|---|----|
| Expenditure Totals by Service Area | 11 |
| Expenditure Totals by Project..... | 13 |
| Total Funding Source Summary | 17 |
| Projects Funded by Two-Thirds Bonds | 19 |
| Projects Funded by the North Carolina Municipal Leasing Corporation | 20 |
| Projects Funded by Motor Vehicle Privilege Tax..... | 21 |
| Projects Funded by General Fund Resources | 22 |



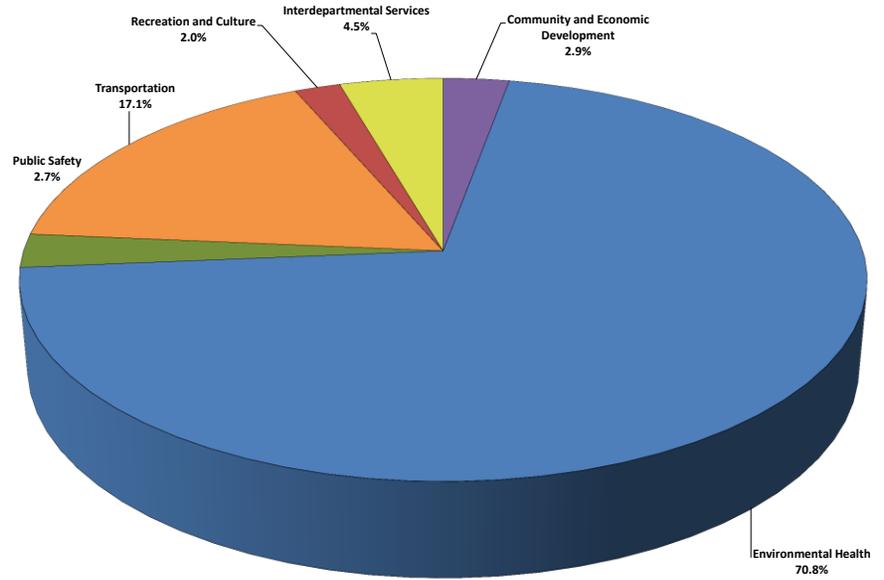
Expenditure Totals by Service Area

Budget Year Summary 2013-2014



Budget Year Total: \$67,993,670

Six-Year Summary 2014-2019



Six-Year Total: \$360,701,610

EXPENDITURE TOTALS BY SERVICE AREA

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|------------------------------------|--------------------------------------|--|--|--|--|--|--------------------------|
| Community and Economic Development | \$1,421,260 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$10,402,260 |
| Environmental Health | 32,544,830 | 94,265,070 | 33,827,770 | 23,795,060 | 32,837,790 | 38,096,750 | 255,367,270 |
| Public Safety | 1,411,880 | 643,870 | 1,587,730 | 1,416,700 | 1,590,640 | 3,064,600 | 9,715,420 |
| Transportation | 15,647,880 | 14,552,280 | 8,791,170 | 6,985,170 | 11,091,170 | 4,591,170 | 61,658,840 |
| Recreation and Culture | 2,175,500 | 465,000 | 2,045,000 | 365,000 | 1,800,000 | 365,000 | 7,215,500 |
| Interdepartmental Services | 14,792,320 | 1,550,000 | 0 | 0 | 0 | 0 | 16,342,320 |
| Total Proposed Expenditures | \$67,993,670 | \$113,272,420 | \$48,047,870 | \$34,358,130 | \$49,115,800 | \$47,913,720 | \$360,701,610 |

EXPENDITURE TOTALS BY PROJECT

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|---|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------|
| Community and Economic Development | | | | | | | |
| Housing Development: | | | | | | | |
| Homeowner Assistance/Production | \$1,227,360 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$8,977,360 |
| Neighborhood Development | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 367,200 |
| Rental Housing Assistance/Production | 132,700 | 185,000 | 185,000 | 185,000 | 185,000 | 185,000 | 1,057,700 |
| Subtotal | \$1,421,260 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$10,402,260 |
| Environmental Health | | | | | | | |
| Solid Waste Disposal: | | | | | | | |
| Hanes Mill Road Landfill - Cell Construction | \$0 | \$2,605,700 | \$3,565,000 | \$608,400 | \$0 | \$0 | \$6,779,100 |
| Hanes Mill Road Landfill - Gas Extraction System | 0 | 0 | 0 | 0 | 188,900 | 0 | 188,900 |
| Water and Wastewater Treatment: | | | | | | | |
| 15th Street Pump Station Electrical Upgrades | \$0 | \$0 | \$0 | \$0 | \$0 | \$950,000 | \$950,000 |
| Archie Elledge / Muddy Creek Wastewater Treatment Plants Nutrient Removal | 0 | 0 | 0 | 200,000 | 4,879,500 | 0 | 5,079,500 |
| Archie Elledge Wastewater Treatment Plant Expansion | 0 | 0 | 0 | 0 | 1,440,000 | 0 | 1,440,000 |
| Archie Elledge Wastewater Treatment Plant Rehabilitation and Upgrades | 358,000 | 485,000 | 855,000 | 855,000 | 855,000 | 855,000 | 4,263,000 |
| Idol's Pump Station Rehabilitation-Phase II | 1,450,000 | 3,550,000 | 0 | 0 | 0 | 0 | 5,000,000 |
| Lift Station Replacement/Improvements | 0 | 261,000 | 326,200 | 476,300 | 270,400 | 578,500 | 1,912,400 |
| Muddy Creek Wastewater Treatment Plant Rehabilitation and Upgrades | 1,000,000 | 762,000 | 762,000 | 762,000 | 762,000 | 762,000 | 4,810,000 |
| R.W. Neilson Water Treatment Plant - Phase II Modernization | 0 | 0 | 0 | 1,980,000 | 7,920,000 | 0 | 9,900,000 |
| Sides Road Pump Station Electrical Upgrades | 0 | 0 | 0 | 0 | 0 | 4,000,000 | 4,000,000 |
| Wastewater Treatment Plant Transfer Pump Station and Force Main | 4,450,000 | 48,950,000 | 0 | 0 | 0 | 0 | 53,400,000 |
| Water Treatment Rehabilitation and Upgrades | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,500,000 |

EXPENDITURE TOTALS BY PROJECT CONTINUED

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|--|--------------------------------------|--|--|--|--|--|--------------------------|
| Environmental Health (Continued) | | | | | | | |
| Water Distribution and Wastewater Collection: | | | | | | | |
| 2" Water Main Replacement | \$1,135,280 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,135,280 |
| 21st, 22nd, and 23rd Street Water and Sewer Rehabilitation | 0 | 0 | 0 | 0 | 0 | 4,800,000 | 4,800,000 |
| Advanced Meter Infrastructure | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 0 | 5,000,000 |
| Ardmore Area Water and Sewer Rehabilitation | 0 | 0 | 0 | 0 | 0 | 4,400,000 | 4,400,000 |
| Construction and Maintenance Facilities Improvements | 500,000 | 0 | 0 | 0 | 0 | 664,140 | 1,164,140 |
| Elledge Basin Rehabilitation | 400,000 | 2,500,000 | 400,000 | 2,500,000 | 400,000 | 2,500,000 | 8,700,000 |
| Harper Road Lift Station/Clemmons No. 1 Expansion | 6,211,300 | 0 | 0 | 0 | 0 | 0 | 6,211,300 |
| Muddy Creek Basin Find and Fix Project | 500,000 | 4,323,230 | 500,000 | 4,323,230 | 0 | 0 | 9,646,460 |
| Muddy Creek Basin Rehabilitation | 400,000 | 2,500,000 | 400,000 | 2,500,000 | 400,000 | 2,500,000 | 8,700,000 |
| New Elevated Water Tanks | 0 | 0 | 0 | 0 | 0 | 3,400,000 | 3,400,000 |
| NCDOT Road Widening Project Utility Relocations | 2,905,000 | 0 | 0 | 0 | 0 | 0 | 2,905,000 |
| South Fork Basin Capacity Improvements | 4,189,800 | 17,881,500 | 19,083,000 | 3,039,350 | 7,077,850 | 6,642,000 | 57,913,500 |
| Tanglewood Lift Station Improvements | 0 | 2,808,560 | 0 | 0 | 0 | 0 | 2,808,560 |
| Wastewater Collection System Improvements | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 18,000,000 |
| Water Distribution System Improvements | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 6,000,000 |
| Water Tank Rehabilitation | 750,500 | 645,010 | 943,500 | 0 | 0 | 0 | 2,339,010 |
| Stormwater Management: | | | | | | | |
| 28th Street Stormwater Improvements | \$514,800 | \$0 | \$0 | \$0 | \$0 | \$0 | \$514,800 |
| Drainage Improvements on Private Property | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,500,000 |
| Stormwater Infrastructure Renovations | 2,280,150 | 1,493,070 | 1,493,070 | 1,050,780 | 3,144,140 | 1,545,110 | 11,006,320 |
| Subtotal | \$32,544,830 | \$94,265,070 | \$33,827,770 | \$23,795,060 | \$32,837,790 | \$38,096,750 | \$255,367,270 |
| Public Safety | | | | | | | |
| Fire Department: | | | | | | | |
| Fire Apparatus Replacement | \$1,211,880 | \$643,870 | \$1,287,730 | \$1,416,700 | \$1,290,640 | \$3,064,600 | \$8,915,420 |
| Fire Stations Facility Renewal | 200,000 | 0 | 300,000 | 0 | 300,000 | 0 | 800,000 |
| Subtotal | \$1,411,880 | \$643,870 | \$1,587,730 | \$1,416,700 | \$1,590,640 | \$3,064,600 | \$9,715,420 |

EXPENDITURE TOTALS BY PROJECT CONTINUED

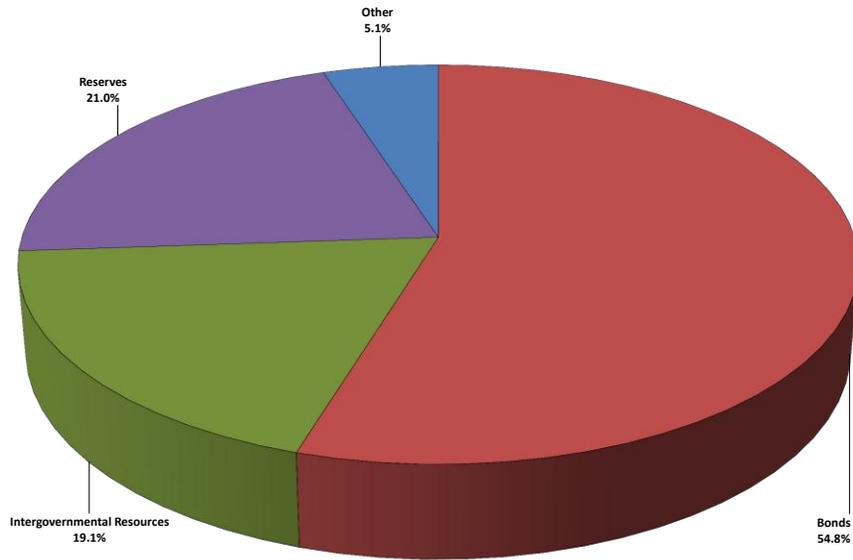
| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|---|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------|
| Transportation | | | | | | | |
| Streets and Sidewalks: | | | | | | | |
| Bridge Repair and Replacement | \$2,150,000 | \$0 | \$2,900,000 | \$0 | \$5,000,000 | \$0 | \$10,050,000 |
| Martin Luther King Enhancement Project | 3,125,000 | 0 | 0 | 0 | 0 | 0 | 3,125,000 |
| New Traffic Signal System | 468,000 | 468,000 | 0 | 0 | 0 | 0 | 936,000 |
| Sidewalk Maintenance/New Sidewalk Construction | 270,000 | 155,000 | 155,000 | 155,000 | 155,000 | 155,000 | 1,045,000 |
| STP-DA (Surface Transportation Program-Direct Apportionment)Bicycle and Pedestrian Projects | 715,000 | 1,750,000 | 1,750,000 | 1,750,000 | 1,750,000 | 1,750,000 | 9,465,000 |
| STP-DA (Surface Transportation Program-Direct Apportionment) Intersection Projects | 300,000 | 1,000,000 | 500,000 | 500,000 | 500,000 | 500,000 | 3,300,000 |
| Street Resurfacing Projects | 2,500,000 | 1,000,000 | 2,498,000 | 1,198,000 | 2,698,000 | 1,198,000 | 11,092,000 |
| Traffic Calming Projects | 0 | 0 | 135,000 | 135,000 | 135,000 | 135,000 | 540,000 |
| Traffic Safety Projects | 7,000 | 0 | 135,000 | 135,000 | 135,000 | 135,000 | 547,000 |
| Mass Transit: | | | | | | | |
| Fixed Route Bus Replacement | \$4,644,710 | \$9,461,110 | \$0 | \$0 | \$0 | \$0 | \$14,105,820 |
| Passenger Amenities | 36,710 | 36,710 | 36,710 | 36,710 | 36,710 | 36,710 | 220,260 |
| Security Enhancements | 36,710 | 36,710 | 36,710 | 36,710 | 36,710 | 36,710 | 220,260 |
| Trans-AID Vehicle Replacement | 750,000 | 0 | 0 | 2,394,000 | 0 | 0 | 3,144,000 |
| Transit Equipment Replacement | 439,000 | 200,000 | 0 | 0 | 252,000 | 0 | 891,000 |
| Transit Facility Renovations | 105,750 | 344,750 | 144,750 | 144,750 | 292,750 | 544,750 | 1,577,500 |
| Transit Vehicle Maintenance | 100,000 | 100,000 | 500,000 | 500,000 | 100,000 | 100,000 | 1,400,000 |
| Subtotal | \$15,647,880 | \$14,552,280 | \$8,791,170 | \$6,985,170 | \$11,091,170 | \$4,591,170 | \$61,658,840 |
| Recreation and Culture | | | | | | | |
| Recreation Facilities/Parks Renovations and Expansions: | | | | | | | |
| Picnic Shelter Renovations/Replacements | \$0 | \$0 | \$100,000 | \$0 | \$250,000 | \$0 | \$350,000 |
| Playground Renovations | 645,000 | 100,000 | 395,000 | 0 | 500,000 | 0 | 1,640,000 |
| Recreation and Parks Department Facilities Renewal | 485,000 | 0 | 350,000 | 0 | 335,000 | 0 | 1,170,000 |
| Recreation and Parks Facilities Sidewalk and Roadway Resurfacing | 100,000 | 0 | 0 | 0 | 150,000 | 0 | 250,000 |
| Recreation Facility Lighting | 0 | 0 | 200,000 | 0 | 0 | 0 | 200,000 |
| Swimming Pool Repairs | 135,000 | 0 | 435,000 | 0 | 200,000 | 0 | 770,000 |
| Winston Lake Golf Course Improvements | 550,000 | 0 | 200,000 | 0 | 0 | 0 | 750,000 |

EXPENDITURE TOTALS BY PROJECT CONTINUED

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|---|--------------------------------------|--|--|--|--|--|--------------------------|
| Recreation and Culture (Continued) | | | | | | | |
| Greenways and Trails: | | | | | | | |
| Other Greenway Development | \$10,500 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$585,500 |
| Convention Center:: | | | | | | | |
| Capital Renovations | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$1,500,000 |
| Subtotal | \$2,175,500 | \$465,000 | \$2,045,000 | \$365,000 | \$1,800,000 | \$365,000 | \$7,215,500 |
| Interdepartmental Services | | | | | | | |
| Engineering | | | | | | | |
| Lowery Street Facility Construction - Phase I | \$14,000,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$14,000,000 |
| Property and Facilities Management | | | | | | | |
| Automated Vehicle Locators (AVL) | \$492,320 | \$0 | \$0 | \$0 | \$0 | \$0 | \$492,320 |
| Information Systems | | | | | | | |
| Fiber Optic Upgrade | \$300,000 | \$1,550,000 | \$0 | \$0 | \$0 | \$0 | \$1,850,000 |
| Subtotal | \$14,792,320 | \$1,550,000 | \$0 | \$0 | \$0 | \$0 | \$16,342,320 |
| Total Expenditures | \$67,993,670 | \$113,272,420 | \$48,047,870 | \$34,358,130 | \$49,115,800 | \$47,913,720 | \$360,701,610 |

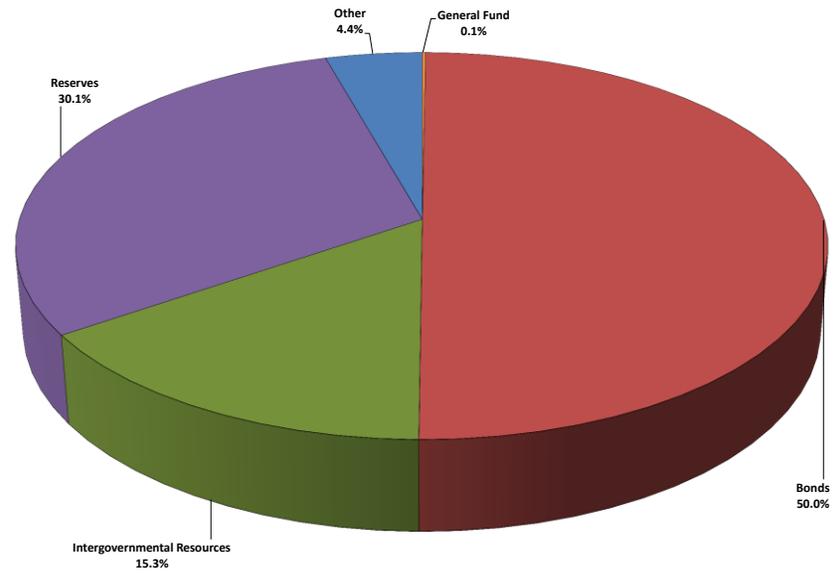
Total Funding Source Summary

Budget Year Summary 2013-2014



Budget Year Total: \$67,993,670

Six-Year Summary 2014-2019



Six-Year Total: \$360,701,610

TOTAL FUNDING SOURCE SUMMARY

| Source of Funds | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|---|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------|
| General Fund: | | | | | | | |
| Fund Balance | \$0 | \$539,480 | \$0 | \$0 | \$0 | \$0 | \$539,480 |
| Subtotal | \$0 | \$539,480 | \$0 | \$0 | \$0 | \$0 | \$539,480 |
| Bonds: | | | | | | | |
| Two-Thirds | \$3,945,000 | \$0 | \$3,760,000 | \$0 | \$4,235,000 | \$0 | \$11,940,000 |
| Revenue Bonds | 19,306,600 | 75,285,070 | 20,826,500 | 8,239,350 | 14,197,350 | 16,442,000 | 154,296,870 |
| Limited Obligation Bonds | 14,000,000 | 0 | 0 | 0 | 0 | 0 | 14,000,000 |
| Subtotal | \$37,251,600 | \$75,285,070 | \$24,586,500 | \$8,239,350 | \$18,432,350 | \$16,442,000 | \$180,236,870 |
| Intergovernmental Resources: | | | | | | | |
| Federal: | | | | | | | |
| Community Development Block Grant (CDBG) | \$420,040 | \$550,000 | \$550,000 | \$550,000 | \$550,000 | \$550,000 | \$3,170,040 |
| CDBG Program Income | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 367,200 |
| HOME Trust Funds | 670,020 | 635,000 | 635,000 | 635,000 | 635,000 | 635,000 | 3,845,020 |
| HOME Trust Funds Program Income | 70,000 | 175,000 | 175,000 | 175,000 | 175,000 | 175,000 | 945,000 |
| Federal Transit Administration | 5,197,540 | 8,143,430 | 574,540 | 2,489,740 | 574,540 | 574,540 | 17,554,330 |
| Surface Transportation Program-Direct Apportionment Funds | 3,312,000 | 2,200,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 12,712,000 |
| State: | | | | | | | |
| Gasoline Tax Revenue | \$1,198,000 | \$1,198,000 | \$1,198,000 | \$1,198,000 | \$1,198,000 | \$1,198,000 | \$7,188,000 |
| North Carolina Department of Transportation | 2,068,350 | 946,110 | 2,320,000 | 239,400 | 4,000,000 | 0 | 9,573,860 |
| Subtotal | \$12,997,150 | \$13,908,740 | \$7,313,740 | \$7,148,340 | \$8,993,740 | \$4,993,740 | \$55,355,450 |
| Reserves: | | | | | | | |
| Capital Project Reserves | \$0 | \$550,000 | \$450,000 | \$450,000 | \$450,000 | \$450,000 | \$2,350,000 |
| Housing Finance Assistance Fund | 200,000 | 375,000 | 375,000 | 375,000 | 375,000 | 375,000 | 2,075,000 |
| Stormwater Management Fund | 3,044,950 | 1,743,070 | 1,743,070 | 1,300,780 | 3,394,140 | 1,795,110 | 13,021,120 |
| Water and Sewer Fund Balance | 10,193,280 | 14,804,910 | 7,693,200 | 13,646,530 | 15,057,400 | 19,859,640 | 81,254,960 |
| Solid Waste Disposal Fund Balance | 0 | 2,605,700 | 3,565,000 | 608,400 | 188,900 | 0 | 6,968,000 |
| Mass Transit Tax Fund Reserves | 566,990 | 1,089,740 | 143,630 | 383,030 | 143,630 | 143,630 | 2,470,650 |
| I.S. Fund Balance Appropriation | 300,000 | 300,000 | 0 | 0 | 0 | 0 | 600,000 |
| Subtotal | \$14,305,220 | \$21,468,420 | \$13,969,900 | \$16,763,740 | \$19,609,070 | \$22,623,380 | \$108,739,730 |
| Other: | | | | | | | |
| North Carolina Municipal Leasing Corporation | \$1,461,880 | \$893,870 | \$1,537,730 | \$1,666,700 | \$1,540,640 | \$3,314,600 | \$10,415,420 |
| Motor Vehicle Privilege Tax | 1,073,000 | 540,000 | 540,000 | 540,000 | 540,000 | 540,000 | 3,773,000 |
| Contributions/Sponsorships | 412,500 | 636,840 | 100,000 | 0 | 0 | 0 | 1,149,340 |
| Registered Motor Vehicle Property Tax | 492,320 | 0 | 0 | 0 | 0 | 0 | 492,320 |
| Subtotal | \$3,439,700 | \$2,070,710 | \$2,177,730 | \$2,206,700 | \$2,080,640 | \$3,854,600 | \$15,830,080 |
| Total Funding Sources | \$67,993,670 | \$113,272,420 | \$48,047,870 | \$34,358,130 | \$49,115,800 | \$47,913,720 | \$360,701,610 |

PROJECTS FUNDED BY TWO-THIRDS BONDS

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|--|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------|
| Public Safety | | | | | | | |
| Fire Stations Facility Renewal | \$200,000 | \$0 | \$300,000 | \$0 | \$300,000 | \$0 | \$800,000 |
| Subtotal | \$200,000 | \$0 | \$300,000 | \$0 | \$300,000 | \$0 | \$800,000 |
| Transportation | | | | | | | |
| Bridge Repair and Replacements | \$430,000 | \$0 | \$580,000 | \$0 | \$1,000,000 | \$0 | \$2,010,000 |
| Street Resurfacing Projects | 1,500,000 | 0 | 1,300,000 | 0 | 1,500,000 | 0 | 4,300,000 |
| Subtotal | \$1,930,000 | \$0 | \$1,880,000 | \$0 | \$2,500,000 | \$0 | \$6,310,000 |
| Recreation and Culture | | | | | | | |
| Picnic Shelter Renovations/Replacements | \$0 | \$0 | \$100,000 | \$0 | \$250,000 | \$0 | \$350,000 |
| Playground Renovations | 545,000 | 0 | 295,000 | 0 | 500,000 | 0 | 1,340,000 |
| Recreation and Parks Department Facilities Renewal | 485,000 | 0 | 350,000 | 0 | 335,000 | 0 | 1,170,000 |
| Recreation and Parks Facilities Sidewalk/Roadway Resurfacing | 100,000 | 0 | 0 | 0 | 150,000 | 0 | 250,000 |
| Recreation Facility Lighting Renovations | 0 | 0 | 200,000 | 0 | 0 | 0 | 200,000 |
| Swimming Pool Repairs | 135,000 | 0 | 435,000 | 0 | 200,000 | 0 | 770,000 |
| Winston Lake Golf Course Improvements | 550,000 | 0 | 200,000 | 0 | 0 | 0 | 750,000 |
| Subtotal | \$1,815,000 | \$0 | \$1,580,000 | \$0 | \$1,435,000 | \$0 | \$4,830,000 |
| Total Projects Funded By Two-Thirds Bonds | \$3,945,000 | \$0 | \$3,760,000 | \$0 | \$4,235,000 | \$0 | \$11,940,000 |

PROJECTS FUNDED BY THE NORTH CAROLINA MUNICIPAL LEASING CORPORATION (NCMLC)

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|--|--------------------------------------|--|--|--|--|--|--------------------------|
| Public Safety | | | | | | | |
| Fire Apparatus Replacement | \$1,211,880 | \$643,870 | \$1,287,730 | \$1,416,700 | \$1,290,640 | \$3,064,600 | \$8,915,420 |
| Recreation and Culture | | | | | | | |
| Convention Center Capital Renovations | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$1,500,000 |
| Total Projects Funded By NCMLC Proceeds | \$1,461,880 | \$893,870 | \$1,537,730 | \$1,666,700 | \$1,540,640 | \$3,314,600 | \$10,415,420 |

PROJECTS FUNDED BY MOTOR VEHICLE PRIVILEGE TAX

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|---|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------|
| Vehicular Transportation Allocation: | | | | | | | |
| STP-DA Intersection Projects | \$60,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$60,000 |
| Martin Luther King Enhancement Project | 312,500 | 0 | 0 | 0 | 0 | 0 | 312,500 |
| New Traffic Signal System | 270,000 | 270,000 | 0 | 0 | 0 | 0 | 540,000 |
| Traffic Calming Projects | 0 | 0 | 135,000 | 135,000 | 135,000 | 135,000 | 540,000 |
| Traffic Safety Projects | 7,000 | 0 | 135,000 | 135,000 | 135,000 | 135,000 | 547,000 |
| Subtotal | 649,500 | 270,000 | 270,000 | 270,000 | 270,000 | 270,000 | 1,627,000 |
| Non-Vehicular Transportation Allocation: | | | | | | | |
| STP-DA Bicycle and Pedestrian Projects | \$143,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$143,000 |
| Sidewalk Maintenance / New Sidewalk Construction | 270,000 | 155,000 | 155,000 | 155,000 | 155,000 | 155,000 | 1,045,000 |
| Other Greenway Development | 10,500 | 115,000 | 115,000 | 115,000 | 115,000 | 115,000 | 585,500 |
| Subtotal | 423,500 | 270,000 | 270,000 | 270,000 | 270,000 | 270,000 | 1,630,500 |
| Total Projects Funded By Motor Vehicle Privilege Tax | \$1,073,000 | \$540,000 | \$540,000 | \$540,000 | \$540,000 | \$540,000 | \$3,773,000 |

Note: One-third of the \$5 for "Transit" is used for transit operations, not capital.

PROJECTS FUNDED BY GENERAL FUND RESOURCES

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|--|--------------------------------------|--|--|--|--|--|--------------------------|
| Interdepartmental Services | | | | | | | |
| Fiber Optic Upgrade | \$0 | \$539,480 | \$0 | \$0 | \$0 | \$0 | \$539,480 |
| Total Projects Funded By General Fund Resources | \$0 | \$539,480 | \$0 | \$0 | \$0 | \$0 | \$539,480 |
| Current Revenues | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Fund Balance Appropriation | \$0 | \$539,480 | \$0 | \$0 | \$0 | \$0 | \$539,480 |

Community and Economic Development

| | |
|--|----|
| Expenditure and Funding Source Summary | 25 |
| Homeowner Assistance/Production..... | 26 |
| Neighborhood Development | 27 |
| Rental Housing Assistance/Production | 28 |



COMMUNITY AND ECONOMIC DEVELOPMENT

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|--|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------|
| Housing Development: | | | | | | | |
| Homeowner Assistance/Production | \$1,227,360 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$8,977,360 |
| Neighborhood Development | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 367,200 |
| Rental Housing Assistance/Production | 132,700 | 185,000 | 185,000 | 185,000 | 185,000 | 185,000 | 1,057,700 |
| Total Expenditures | \$1,421,260 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$10,402,260 |
| Funding Sources | | | | | | | |
| Intergovernmental Resources: | | | | | | | |
| Community Development Block Grant (CDBG) | \$420,040 | \$550,000 | \$550,000 | \$550,000 | \$550,000 | \$550,000 | \$3,170,040 |
| CDBG Program Income | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 367,200 |
| HOME Trust Funds | 670,020 | 635,000 | 635,000 | 635,000 | 635,000 | 635,000 | 3,845,020 |
| HOME Trust Funds Program Income | 70,000 | 175,000 | 175,000 | 175,000 | 175,000 | 175,000 | 945,000 |
| Reserves: | | | | | | | |
| Housing Finance Assistance Fund | \$200,000 | \$375,000 | \$375,000 | \$375,000 | \$375,000 | \$375,000 | \$2,075,000 |
| Total Funding Sources | \$1,421,260 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$1,796,200 | \$10,402,260 |

| | |
|---|---|
| PROJECT TITLE Homeowner Assistance/Production | DEPARTMENT/DIVISION Community and Business Development Department |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides rehabilitation and home improvement assistance for existing homeowners; financial assistance to homebuyers for acquisition of existing or newly constructed single-family units, with or without rehabilitation; and production of single-family units for homeownership, including land acquisition, interim construction loans, on-site improvements, public infrastructure improvements, and second mortgage assistance in order to make housing more affordable.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2013-2018 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Homebuyer Assistance | \$3,557,760 | \$0 | \$100,000 | \$100,000 | \$100,000 | \$100,000 | \$100,000 | \$4,057,760 |
| Homeowner Rehab/Home Improvement | 16,898,500 | 869,660 | 900,000 | 900,000 | 900,000 | 900,000 | 900,000 | 22,268,160 |
| Purchase-Rehab Tandem/ Rev Pool | 2,665,000 | 0 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 3,165,000 |
| New Housing Production | 9,980,000 | 157,700 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 11,387,700 |
| Infrastructure/Public Improvements | 2,025,000 | 0 | 0 | 0 | 0 | 0 | 0 | 2,025,000 |
| Revolving Construction Loan Fund | 710,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 1,910,000 |
| Total Project Expenditures | \$35,836,260 | \$1,227,360 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$44,813,620 |
| Funding Sources | | | | | | | | |
| GO Bonds/Authorized | \$2,550,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,550,000 |
| Community Development Block Grant | 12,254,680 | 420,040 | 550,000 | 550,000 | 550,000 | 550,000 | 550,000 | 15,424,720 |
| Section 108 Loan | 1,950,000 | 0 | 0 | 0 | 0 | 0 | 0 | 1,950,000 |
| HOME Trust Funds | 9,050,990 | 537,320 | 550,000 | 550,000 | 550,000 | 550,000 | 550,000 | 12,338,310 |
| CDBG Program Income | 1,202,460 | 0 | 0 | 0 | 0 | 0 | 0 | 1,202,460 |
| HOME Program Income/Reprog | 1,693,130 | 70,000 | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 | 2,138,130 |
| Housing Finance Fund (Sales Tax) | 3,750,000 | 0 | 0 | 0 | 0 | 0 | 0 | 3,750,000 |
| Housing Finance Assistance Fund | 3,385,000 | 200,000 | 375,000 | 375,000 | 375,000 | 375,000 | 375,000 | 5,460,000 |
| Total Project Funding Sources | \$35,836,260 | \$1,227,360 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$1,550,000 | \$44,813,620 |

| | |
|--|---|
| PROJECT TITLE Neighborhood Development | DEPARTMENT/DIVISION Community and Business Development Department |
|--|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for acquisition, relocation, demolition, and property maintenance disposition of land acquired for redevelopment or acquisition of raw land for new housing production of single-family subdivisions for homeownership.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2013-2018 | | | | | | Grand Total |
|--|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Concentrated Code Enforcement Demolition | \$150,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$150,000 |
| Acquisition, Relocation, Clearance | 3,870,000 | 0 | 0 | 0 | 0 | 0 | 0 | 3,870,000 |
| Property Disposition/Maintenance | 602,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 969,400 |
| Total Project Expenditures | \$4,622,200 | \$61,200 | \$61,200 | \$61,200 | \$61,200 | \$61,200 | \$61,200 | \$4,989,400 |
| Funding Sources | | | | | | | | |
| GO Bonds/Authorized | \$1,800,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,800,000 |
| Section 108 Loan | 1,250,000 | 0 | 0 | 0 | 0 | 0 | 0 | 1,250,000 |
| CDBG Program Income | 812,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 61,200 | 1,179,400 |
| Housing Finance Fund (Sales Tax) | 275,000 | 0 | 0 | 0 | 0 | 0 | 0 | 275,000 |
| Housing Finance Assistance Fund | 485,000 | 0 | 0 | 0 | 0 | 0 | 0 | 485,000 |
| Total Project Funding Sources | \$4,622,200 | \$61,200 | \$61,200 | \$61,200 | \$61,200 | \$61,200 | \$61,200 | \$4,989,400 |

| | |
|--|---|
| PROJECT TITLE Rental Housing Assistance/Production | DEPARTMENT/DIVISION Community and Business Development Department |
|--|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project includes financing of acquisition and/or rehabilitation and new construction of rental housing that benefits lower income households and populations with special housing needs (i.e., elderly and disabled). Except for small-scale rehabilitation projects, the City typically provides assistance upon completion of construction, offering “gap” financing or that amount which renders a project feasible.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2013-2018 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Rental/Investor Rehab/Acq/Reh | \$3,922,000 | \$0 | \$100,000 | \$0 | \$100,000 | \$0 | \$100,000 | \$4,222,000 |
| Multi-Family New Production | 5,990,230 | 0 | 0 | 100,000 | 0 | 100,000 | 0 | 6,190,230 |
| Rehab Hazard Reduc/Reloc/TBRA | 1,497,000 | 132,700 | 85,000 | 85,000 | 85,000 | 85,000 | 85,000 | 2,054,700 |
| Total Project Expenditures | \$11,409,230 | \$132,700 | \$185,000 | \$185,000 | \$185,000 | \$185,000 | \$185,000 | \$12,466,930 |
| Funding Sources | | | | | | | | |
| GO Bonds/Authorized | \$1,650,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,650,000 |
| Community Development Block Grant | 775,000 | 0 | 0 | 0 | 0 | 0 | 0 | 775,000 |
| Section 108 Loan | 530,000 | 0 | 0 | 0 | 0 | 0 | 0 | 530,000 |
| HOME Trust Funds | 4,171,900 | 132,700 | 85,000 | 85,000 | 85,000 | 85,000 | 85,000 | 4,729,600 |
| CDBG Program Income | 1,898,460 | 0 | 0 | 0 | 0 | 0 | 0 | 1,898,460 |
| HOME Program Income | 1,433,870 | 0 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 1,933,870 |
| Housing Finance Fund (Sales Tax) | 300,000 | 0 | 0 | 0 | 0 | 0 | 0 | 300,000 |
| Housing Finance Assistance Fund | 650,000 | 0 | 0 | 0 | 0 | 0 | 0 | 650,000 |
| Total Project Funding Sources | \$11,409,230 | \$132,700 | \$185,000 | \$185,000 | \$185,000 | \$185,000 | \$185,000 | \$12,466,930 |

Environmental Health

| | |
|---|----|
| Expenditure and Funding Source Summary | 31 |
| Solid Waste Disposal: | |
| Hanes Mill Road Landfill - Cell Construction | 33 |
| Hanes Mill Road Landfill - Gas Extraction System..... | 34 |
| Water and Wastewater Treatment: | |
| 15 th Street Pump Station Electrical Upgrades | 35 |
| Archie Elledge / Muddy Creek Wastewater Treatment Plants Nutrient Removal | 36 |
| Archie Elledge Wastewater Treatment Plant Expansion..... | 37 |
| Archie Elledge Wastewater Treatment Plant Rehabilitation and Upgrades | 38 |
| Idol’s Pump Station Rehabilitation - Phase II | 39 |
| Lift Station Replacement / Improvements..... | 40 |
| Muddy Creek Wastewater Treatment Plant Rehabilitation and Upgrades | 41 |
| R.W. Neilson Water Treatment Plant - Phase II Modernization | 42 |
| Sides Road Pump Station Electrical Upgrades..... | 43 |
| Wastewater Treatment Plant Transfer Pump Station and Force Main | 44 |
| Water Treatment Rehabilitation and Upgrades | 45 |
| Water Distribution and Wastewater Collection: | |
| 2” Water Main Replacement | 46 |
| 21 st , 22 nd , and 23 rd Street Water and Sewer Rehabilitation..... | 47 |
| Advanced Meter Infrastructure..... | 48 |
| Ardmore Area Water and Sewer Rehabilitation..... | 49 |
| Construction and Maintenance Facilities Improvements | 50 |
| Elledge Basin Rehabilitation | 51 |
| Harper Road Lift Station / Clemmons No. 1 Expansion | 52 |
| Muddy Creek Basin Find and Fix Project | 53 |
| Muddy Creek Basin Rehabilitation | 54 |
| New Elevated Water Tanks | 55 |
| NCDOT Road Widening Project Utility Relocations..... | 56 |

Environmental Health Continued

Water Distribution and Wastewater Collection Continued:

| | |
|--|----|
| South Fork Basin Capacity Improvements..... | 57 |
| Tanglewood Lift Station Improvements..... | 58 |
| Wastewater Collection System Improvements..... | 59 |
| Water Distribution System Improvements | 60 |
| Water Tank Rehabilitation | 61 |

Stormwater Management:

| | |
|---|----|
| 28 th Street Stormwater Improvements | 62 |
| Drainage Improvements on Private Property | 63 |
| Stormwater Infrastructure Renovations..... | 64 |

ENVIRONMENTAL HEALTH

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|---|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------|
| Solid Waste Disposal: | | | | | | | |
| Hanes Mill Road Landfill - Cell Construction | \$0 | \$2,605,700 | \$3,565,000 | \$608,400 | \$0 | \$0 | \$6,779,100 |
| Hanes Mill Road Landfill - Gas Extraction System | 0 | 0 | 0 | 0 | 188,900 | 0 | 188,900 |
| Water and Wastewater Treatment: | | | | | | | |
| 15th Street Pump Station Electrical Upgrades | \$0 | \$0 | \$0 | \$0 | \$0 | \$950,000 | \$950,000 |
| Archie Elledge / Muddy Creek Wastewater Treatment Plants Nutrient Removal | 0 | 0 | 0 | 200,000 | 4,879,500 | 0 | 5,079,500 |
| Archie Elledge Wastewater Treatment Plant Expansion | 0 | 0 | 0 | 0 | 1,440,000 | 0 | 1,440,000 |
| Archie Elledge Wastewater Treatment Plant Rehabilitation and Upgrades | 358,000 | 485,000 | 855,000 | 855,000 | 855,000 | 855,000 | 4,263,000 |
| Idol's Pump Station Rehabilitation - Phase II | 1,450,000 | 3,550,000 | 0 | 0 | 0 | 0 | 5,000,000 |
| Lift Station Replacement / Improvements | 0 | 261,000 | 326,200 | 476,300 | 270,400 | 578,500 | 1,912,400 |
| Muddy Creek Wastewater Treatment Plant Rehabilitation and Upgrades | 1,000,000 | 762,000 | 762,000 | 762,000 | 762,000 | 762,000 | 4,810,000 |
| R.W. Neilson Water Treatment Plant - Phase II Modernization | 0 | 0 | 0 | 1,980,000 | 7,920,000 | 0 | 9,900,000 |
| Sides Road Pump Station Electrical Upgrades | 0 | 0 | 0 | 0 | 0 | 4,000,000 | 4,000,000 |
| Wastewater Treatment Plant Transfer Pump Station and Force Main | 4,450,000 | 48,950,000 | 0 | 0 | 0 | 0 | 53,400,000 |
| Water Treatment Rehabilitation and Upgrades | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,500,000 |
| Water Distribution and Wastewater Collection: | | | | | | | |
| 2" Water Main Replacement | \$1,135,280 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,135,280 |
| 21st, 22nd, and 23rd Street Water and Sewer Rehabilitation | 0 | 0 | 0 | 0 | 0 | 4,800,000 | 4,800,000 |
| Advanced Meter Infrastructure | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 0 | 5,000,000 |
| Ardmore Area Water and Sewer Rehabilitation | 0 | 0 | 0 | 0 | 0 | 4,400,000 | 4,400,000 |
| Construction and Maintenance Facilities Improvements | 500,000 | 0 | 0 | 0 | 0 | 664,140 | 1,164,140 |
| Elledge Basin Rehabilitation | 400,000 | 2,500,000 | 400,000 | 2,500,000 | 400,000 | 2,500,000 | 8,700,000 |
| Harper Road Lift Station/Clemmons No. 1 Expansion | 6,211,300 | 0 | 0 | 0 | 0 | 0 | 6,211,300 |
| Muddy Creek Basin Find and Fix Project | 500,000 | 4,323,230 | 500,000 | 4,323,230 | 0 | 0 | 9,646,460 |
| Muddy Creek Basin Rehabilitation | 400,000 | 2,500,000 | 400,000 | 2,500,000 | 400,000 | 2,500,000 | 8,700,000 |
| New Elevated Water Tanks | 0 | 0 | 0 | 0 | 0 | 3,400,000 | 3,400,000 |
| NCDOT Road Widening Project Utility Relocations | 2,905,000 | 0 | 0 | 0 | 0 | 0 | 2,905,000 |
| South Fork Basin Capacity Improvements | 4,189,800 | 17,881,500 | 19,083,000 | 3,039,350 | 7,077,850 | 6,642,000 | 57,913,500 |
| Tanglewood Lift Station Improvements | 0 | 2,808,560 | 0 | 0 | 0 | 0 | 2,808,560 |
| Wastewater Collection System Improvements | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 18,000,000 |
| Water Distribution System Improvements | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 6,000,000 |
| Water Tank Rehabilitation | 750,500 | 645,010 | 943,500 | 0 | 0 | 0 | 2,339,010 |
| Stormwater Management: | | | | | | | |
| 28th Street Stormwater Improvements | \$514,800 | \$0 | \$0 | \$0 | \$0 | \$0 | \$514,800 |
| Drainage Improvements on Private Property | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,500,000 |
| Stormwater Infrastructure Renovations | 2,280,150 | 1,493,070 | 1,493,070 | 1,050,780 | 3,144,140 | 1,545,110 | 11,006,320 |
| Total Expenditures | \$32,544,830 | \$94,265,070 | \$33,827,770 | \$23,795,060 | \$32,837,790 | \$38,096,750 | \$255,367,270 |

ENVIRONMENTAL HEALTH Continued

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|-----------------------------------|--------------------------------------|--|--|--|--|--|--------------------------|
| Funding Sources | | | | | | | |
| Bonds: | | | | | | | |
| Revenue Bonds | \$19,306,600 | \$75,285,070 | \$20,826,500 | \$8,239,350 | \$14,197,350 | \$16,442,000 | \$154,296,870 |
| Reserves: | | | | | | | |
| Stormwater Management Fund | \$3,044,950 | \$1,743,070 | \$1,743,070 | \$1,300,780 | \$3,394,140 | \$1,795,110 | \$13,021,120 |
| Water and Sewer Fund Balance | 10,193,280 | 14,631,230 | 7,693,200 | 13,646,530 | 15,057,400 | 19,859,640 | 81,081,280 |
| Solid Waste Disposal Fund Balance | 0 | 2,605,700 | 3,565,000 | 608,400 | 188,900 | 0 | 6,968,000 |
| Total Funding Sources | \$32,544,830 | \$94,265,070 | \$33,827,770 | \$23,795,060 | \$32,837,790 | \$38,096,750 | \$255,367,270 |

| | |
|--|---|
| PROJECT TITLE Hanes Mill Road Landfill - Cell Construction | DEPARTMENT/DIVISION Utilities / Solid Waste |
|--|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the future construction of composite lined landfill cells for the disposal of municipal solid waste at Hanes Mill Road Landfill. Permitting is complete through Cells 3 and 4 of Phase 1; approximately 51 acres. Additional cell capacity will need to be constructed by 2017.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|--------------------|-------------------|-------------------|-------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$783,500 | \$0 | \$0 | \$324,300 | \$608,400 | \$0 | \$0 | \$1,716,200 |
| Construction | 11,775,400 | 0 | 2,605,700 | 3,240,700 | 0 | 0 | 0 | 17,621,800 |
| Total Project Expenditures | \$12,558,900 | \$0 | \$2,605,700 | \$3,565,000 | \$608,400 | \$0 | \$0 | \$19,338,000 |
| Funding Sources | | | | | | | | |
| Special Obligation Bonds | \$3,400,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,400,000 |
| Solid Waste Disposal Fund | 9,158,900 | 0 | 2,605,700 | 3,565,000 | 608,400 | 0 | 0 | 16,572,800 |
| Total Project Funding Sources | \$12,558,900 | \$0 | \$2,605,700 | \$3,565,000 | \$608,400 | \$0 | \$0 | \$19,338,000 |

| | |
|--|---|
| PROJECT TITLE Hanes Mill Road Landfill - Gas Extraction System | DEPARTMENT/DIVISION Utilities / Solid Waste |
|--|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the ongoing construction of various components of a system to extract landfill gas from existing lined cells. Current environmental regulations require the construction of gas extraction systems for municipal solid waste landfills. Future construction is planned for gas wells, piping, and related equipment.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$340,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$340,000 |
| Construction | 2,096,200 | 0 | 0 | 0 | 0 | 188,900 | 0 | 2,285,100 |
| Total Project Expenditures | \$2,436,200 | \$0 | \$0 | \$0 | \$0 | \$188,900 | \$0 | \$2,625,100 |
| Funding Sources | | | | | | | | |
| Solid Waste Disposal Fund | \$2,436,200 | \$0 | \$0 | \$0 | \$0 | \$188,900 | \$0 | \$2,625,100 |
| Total Project Funding Sources | \$2,436,200 | \$0 | \$0 | \$0 | \$0 | \$188,900 | \$0 | \$2,625,100 |

| | |
|--|--|
| PROJECT TITLE 15th Street Pump Station Electrical Upgrades | DEPARTMENT/DIVISION Utilities / Water and Wastewater Treatment |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

The 15th Street Pumping Station electrical motor control center is approaching the end of its useful life. Due to the age of the electrical equipment, this project proposes to install a new 480V generator, automatic transfer switch, switchgear, fuel storage tank, and electrical transformer. A new 480V motor control center will be installed to replace the existing starters. The existing standby diesel engine will be removed and salvaged. The project is scheduled to occur in FY 2019.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$118,750 | \$118,750 |
| Construction | 0 | 0 | 0 | 0 | 0 | 0 | 791,670 | 791,670 |
| Contingency | 0 | 0 | 0 | 0 | 0 | 0 | 39,580 | 39,580 |
| Total Project Expenditures | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$950,000 | \$950,000 |
| Funding Sources | | | | | | | | |
| Water and Sewer Fund Balance | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$950,000 | \$950,000 |
| Total Project Funding Sources | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$950,000 | \$950,000 |

| | |
|--|--|
| PROJECT TITLE: Archie Elledge / Muddy Creek Wastewater Treatment Plants Nutrient Removal | DEPARTMENT/DIVISION Utilities / Water and Wastewater Treatment |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the replacement, modification, and upgrades of various facilities at the Elledge and Muddy Creek Wastewater Treatment Plants as indicated in the Wastewater Facilities Master Plan. These improvements are necessary for the plants to comply with effluent nutrient limits that are expected to be implemented by the North Carolina Department of Environmental and Natural Resources Division of Water Quality at both plants when total maximum daily loads for nutrients are in place for High Rock Lake and the Yadkin River Watershed. The FY 2016-2018 appropriations of \$5.1 million will cover an evaluation of the options for meeting these future requirements.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|--------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$0 | \$0 | \$0 | \$200,000 | \$4,879,500 | \$0 | \$5,079,500 |
| Total Project Expenditures | \$0 | \$0 | \$0 | \$0 | \$200,000 | \$4,879,500 | \$0 | \$5,079,500 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$0 | \$0 | \$0 | \$0 | \$200,000 | \$4,879,500 | \$0 | \$5,079,500 |
| Total Project Funding Sources | \$0 | \$0 | \$0 | \$0 | \$200,000 | \$4,879,500 | \$0 | \$5,079,500 |

| | |
|---|--|
| PROJECT TITLE Archie Elledge Wastewater Treatment Plant Expansion | DEPARTMENT/DIVISION Utilities / Water and Wastewater Treatment |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the additional treatment capacity at the Elledge Wastewater Treatment Plant. The project includes expanding the plant's capacity by 16 million gallons per day (mgd) for a total capacity of 46 mgd in order to accommodate future wastewater flows. The improvements include: a mechanical bar screen, a grit removal basin, influent pumps, one primary clarifier, a primary sludge pump station, one gravity belt thickener, and a thickened activated sludge pump. The project's design phase is planned to begin in FY 2018.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|--------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,440,000 | \$0 | \$1,440,000 |
| Total Project Expenditures | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,440,000 | \$0 | \$1,440,000 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,440,000 | \$0 | \$1,440,000 |
| Total Project Funding Sources | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,440,000 | \$0 | \$1,440,000 |

| | |
|---|--|
| PROJECT TITLE Archie Elledge Wastewater Treatment Plant Rehabilitation and Upgrades | DEPARTMENT/DIVISION Utilities / Water and Wastewater Treatment |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the replacement of digester heating equipment and upgrades to the gravity thickener and waste activated sludge (WAS) system at the Elledge Wastewater Treatment Plant. The heating equipment replacement will include the replacement of three boilers and associated hot water recirculation pumps and fuel pumps. The heat exchanger located in the control building will also be replaced. The gravity thickener and associated thickened WAS transfer pumps are at or nearing the end of their useful life. Upgrades to this equipment will include a replacement drive and collection system for the gravity thickener and three new thickened WAS pumps to transfer thickener solids from the gravity thickener to the gravity belt thickener. This project also provides multi-year funding for general building, grounds, and equipment maintenance and repairs needed for the continuous operation of the plant.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$0 | \$0 | \$89,500 | \$89,500 | \$89,500 | \$89,500 | \$358,000 |
| Construction | 340,000 | 318,000 | 431,000 | 598,000 | 598,000 | 598,000 | 598,000 | 3,481,000 |
| Equipment and Furnishings | 0 | 0 | 0 | 137,500 | 137,500 | 137,500 | 137,500 | 550,000 |
| Contingency | 0 | 40,000 | 54,000 | 30,000 | 30,000 | 30,000 | 30,000 | 214,000 |
| Total Project Expenditures | \$340,000 | \$358,000 | \$485,000 | \$855,000 | \$855,000 | \$855,000 | \$855,000 | \$4,603,000 |
| Funding Sources | | | | | | | | |
| Water and Sewer Fund Balance | \$340,000 | \$358,000 | \$485,000 | \$855,000 | \$855,000 | \$855,000 | \$855,000 | \$4,603,000 |
| Total Project Funding Sources | \$340,000 | \$358,000 | \$485,000 | \$855,000 | \$855,000 | \$855,000 | \$855,000 | \$4,603,000 |

| | |
|---|--|
| PROJECT TITLE Idol's Pump Station Rehabilitation-Phase II | DEPARTMENT/DIVISION Utilities / Water and Wastewater Treatment |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

The Idol's Pump Station plays a vital part in the Winston-Salem/Forsyth County water system by supplying water to two of three water treatment plants. This project provides for an evaluation of the integrity of the dam. This structure has been in service since 1892 and is vital to ensure a sufficient pool of water for the City's raw water pumps. Under this project, the existing intake structures will be evaluated and necessary upgrades made. The solids pre-settling basins will be evaluated for solids removal, and the most cost effective strategy for removing solids will be implemented. The motor and starter for Raw Water Pump 3 will be replaced with equipment similar to that installed on the two other raw water pumps during Phase I. An electrical equipment platform including 4,160V emergency generators, switchgear, 480V generator (with manual transfer switch), fuel storage, and transformer will be constructed, and the existing diesel locomotive engine and right angle drive will be removed from service.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$350,000 | \$250,000 | \$0 | \$0 | \$0 | \$0 | \$600,000 |
| Construction | 0 | 1,100,000 | 3,000,000 | 0 | 0 | 0 | 0 | 4,100,000 |
| Equipment and Furnishings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Contingency | 0 | 0 | 300,000 | 0 | 0 | 0 | 0 | 300,000 |
| Total Project Expenditures | \$0 | \$1,450,000 | \$3,550,000 | \$0 | \$0 | \$0 | \$0 | \$5,000,000 |
| Funding Sources | | | | | | | | |
| Water and Sewer Fund Balance | \$0 | \$1,450,000 | \$3,550,000 | \$0 | \$0 | \$0 | \$0 | \$5,000,000 |
| Total Project Funding Sources | \$0 | \$1,450,000 | \$3,550,000 | \$0 | \$0 | \$0 | \$0 | \$5,000,000 |

| | |
|---|--|
| PROJECT TITLE Lift Station Replacement/Improvements | DEPARTMENT/DIVISION Utilities / Water and Wastewater Treatment |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

The recent wastewater facilities master plan study conducted by a consulting engineer included condition assessments for select lift stations located within the sewer collection system that are aging or out of capacity. The study assessments identified and prioritized needs at each of the lift stations. This project provides for upgrades and replacements of the lift stations to address the identified needs. This project also provides for multi-year funding for general building, grounds, and equipment maintenance and repairs needed for the continuous operation of the stations.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$206,000 | \$0 | \$30,000 | \$38,000 | \$55,000 | \$41,600 | \$89,000 | \$459,600 |
| Construction | 775,000 | 0 | 210,000 | 262,000 | 383,000 | 208,000 | 445,000 | 2,283,000 |
| Equipment and Furnishings | 12,200 | 0 | 0 | 0 | 0 | 0 | 0 | 12,200 |
| Contingency | 43,800 | 0 | 21,000 | 26,200 | 38,300 | 20,800 | 44,500 | 194,600 |
| Total Project Expenditures | \$1,037,000 | \$0 | \$261,000 | \$326,200 | \$476,300 | \$270,400 | \$578,500 | \$2,949,400 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$1,037,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,037,000 |
| Water and Sewer Fund Balance | 0 | 0 | 261,000 | 326,200 | 476,300 | 270,400 | 578,500 | 1,912,400 |
| Total Project Funding Sources | \$1,037,000 | \$0 | \$261,000 | \$326,200 | \$476,300 | \$270,400 | \$578,500 | \$2,949,400 |

| | |
|--|--|
| PROJECT TITLE Muddy Creek Wastewater Treatment Plant Rehabilitation and Upgrades | DEPARTMENT/DIVISION Utilities / Water and Wastewater Treatment |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project includes the replacement of one 84-inch screw pump in the influent pump station that has achieved its useful life and the replacement of three blowers that provide air to the aeration sludge basins. The scope also includes replacement of the four anaerobic digester covers, replacement of the center mixer in each digester, replacement of digester gas accessories, and cleanout of the digesters. This project also provides multi-year funding for general building, grounds, and equipment maintenance and repairs that are needed for the continuous operation of the plant.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$150,000 | \$90,000 | \$78,000 | \$78,000 | \$78,000 | \$78,000 | \$78,000 | \$630,000 |
| Construction | 0 | 800,000 | 520,500 | 520,500 | 520,500 | 520,500 | 520,500 | 3,402,500 |
| Equipment and Furnishings | 80,000 | 100,000 | 125,000 | 125,000 | 125,000 | 125,000 | 125,000 | 805,000 |
| Contingency | 0 | 10,000 | 38,500 | 38,500 | 38,500 | 38,500 | 38,500 | 202,500 |
| Total Project Expenditures | \$230,000 | \$1,000,000 | \$762,000 | \$762,000 | \$762,000 | \$762,000 | \$762,000 | \$5,040,000 |
| Funding Sources | | | | | | | | |
| Water and Sewer Fund Balance | \$230,000 | \$1,000,000 | \$762,000 | \$762,000 | \$762,000 | \$762,000 | \$762,000 | \$5,040,000 |
| Total Project Funding Sources | \$230,000 | \$1,000,000 | \$762,000 | \$762,000 | \$762,000 | \$762,000 | \$762,000 | \$5,040,000 |

| | |
|--|--|
| PROJECT TITLE: R.W. Neilson Water Treatment Plant - Phase II Modernization | DEPARTMENT/DIVISION Utilities / Water and Wastewater Treatment |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

The Neilson Water Treatment Plant is the largest water treatment plant in the system with a treatment capacity of 48 mgd. Two major expansions have occurred since the construction of the original 24 mgd plant in 1964. Despite several small miscellaneous improvement projects, significant capital investment is required to replace aging infrastructure, improve treatment to meet current and future regulatory requirements, and ensure the continued reliability in the distribution system supplied by this critical facility. This project will evaluate and upgrade the electrical distribution system of the plant, overhaul the filters and washwater system, upgrade the residuals management to utilize an existing National Pollutant Discharge Elimination System permit, and modify the treatment trains to optimize the efficiency of the process.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|--------------------|--------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$0 | \$0 | \$0 | \$990,000 | \$0 | \$0 | \$990,000 |
| Land/Right-of-Way Acquisition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | 0 | 0 | 0 | 0 | 0 | 7,920,000 | 0 | 7,920,000 |
| Equipment & Furnishings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other (Specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Contingency | 0 | 0 | 0 | 0 | 990,000 | 0 | 0 | 990,000 |
| Total Project Expenditures | \$0 | \$0 | \$0 | \$0 | \$1,980,000 | \$7,920,000 | \$0 | \$9,900,000 |
| Funding Sources | | | | | | | | |
| Water and Sewer Fund Balance | \$0 | \$0 | \$0 | \$0 | \$1,980,000 | \$7,920,000 | \$0 | \$9,900,000 |
| Total Project Funding Sources | \$0 | \$0 | \$0 | \$0 | \$1,980,000 | \$7,920,000 | \$0 | \$9,900,000 |

| | |
|--|--|
| PROJECT TITLE: Sides Road Pump Station Electrical Upgrades | DEPARTMENT/DIVISION Utilities / Water and Wastewater Treatment |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

The electrical power systems and emergency backup pumping systems are approximately 25 years old and are nearing the end of their anticipated useful life. The scope of this project includes the installation of a standby power generation with 4160V generators, automatic transfer switch, switchgear, and fuel storage tank. The 25 year old motor control center will be replaced with reduced voltage solid state starters. The No.2 diesel powered engine currently providing emergency backup for the No. 2 pump will be removed and salvaged. The isolation valves in the yard and inside the pumping station are failing and do not provide adequate isolation for maintenance. All isolation valves will be replaced with new valves and actuators.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$500,000 | \$500,000 |
| Construction | 0 | 0 | 0 | 0 | 0 | 0 | 3,333,330 | 3,333,330 |
| Equipment & Furnishings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Contingency | 0 | 0 | 0 | 0 | 0 | 0 | 166,670 | 166,670 |
| Total Project Expenditures | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$4,000,000 | \$4,000,000 |
| Funding Sources | | | | | | | | |
| Water and Sewer Fund Balance | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$4,000,000 | \$4,000,000 |
| Total Project Funding Sources | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$4,000,000 | \$4,000,000 |

| | |
|---|--|
| PROJECT TITLE Wastewater Treatment Plant Transfer Pump Station and Force Main | DEPARTMENT/DIVISION Utilities / Water and Wastewater Treatment |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project includes the construction of a new consolidated headworks facility and two stage influent and transfer pumping station in addition to storm water equalization at the Muddy Creek Wastewater Treatment Plant (WWTP). The headworks facility will provide screening and grit removal of all influent raw wastewater. The two stage pumping station will consist of first stage influent pumping to the Muddy Creek WWTP and storm water equalization, and second stage transfer pumping to the Elledge WWTP. This consolidated headworks facility and pumping station is needed to prevent the Muddy Creek WWTP from exceeding its current rated and peak hourly flow capacities by transferring a portion of the influent raw wastewater to the Elledge WWTP, and to accommodate excess wet weather flows with diversion to storm water equalization. Exceeding the current permitted flow could require immediate expansion of either plant. The consolidated headworks and pumping station facility will have an ultimate firm capacity of 170 million gallons per day. A 42-inch diameter force main is proposed from the transfer flow from the new pumping station at the Muddy Creek WWTP to the Elledge WWTP.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|---------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$4,450,000 | \$4,450,000 | \$0 | \$0 | \$0 | \$0 | \$8,900,000 |
| Construction | 0 | 0 | 40,455,000 | 0 | 0 | 0 | 0 | 40,455,000 |
| Contingency | 0 | 0 | 4,045,000 | 0 | 0 | 0 | 0 | 4,045,000 |
| Total Project Expenditures | \$0 | \$4,450,000 | \$48,950,000 | \$0 | \$0 | \$0 | \$0 | \$53,400,000 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$0 | \$4,450,000 | \$48,950,000 | \$0 | \$0 | \$0 | \$0 | \$53,400,000 |
| Total Project Funding Sources | \$0 | \$4,450,000 | \$48,950,000 | \$0 | \$0 | \$0 | \$0 | \$53,400,000 |

| | |
|---|--|
| PROJECT TITLE Water Treatment Rehabilitation and Upgrades | DEPARTMENT/DIVISION Utilities / Water and Wastewater Treatment |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for general building, grounds, and equipment maintenance at the system's three water plants. The project also provides for the purchase of costly replacement parts and repairs that are needed for the continuous operation and maintenance of the plants. The scope of these improvements or equipment purchases allows them to be completed within the fiscal year.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$31,250 | \$31,250 | \$31,250 | \$31,250 | \$31,250 | \$31,250 | \$187,500 |
| Land/Right-of-Way Acquisition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Construction | 607,000 | 208,335 | 208,335 | 208,335 | 208,335 | 208,335 | 208,335 | 1,857,010 |
| Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Contingency | 0 | 10,415 | 10,415 | 10,415 | 10,415 | 10,415 | 10,415 | 62,490 |
| Total Project Expenditures | \$607,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$2,107,000 |
| Funding Sources | | | | | | | | |
| Water and Sewer Fund Balance | \$607,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$2,107,000 |
| Total Project Funding Sources | \$607,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$2,107,000 |

| | |
|---|--|
| PROJECT TITLE 2" Water Main Replacement | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

This multi-year project provides for the replacement of 2" water mains existing at approximately 30 locations within the city limits as well as multiple locations in Rural Hall and Kernersville. These lines are undersized and no longer provide adequate domestic flow or fire flow to the areas they serve. The project involves replacing the 2" water mains with 6" or 8" water mains so that adequate domestic flow and fire flow will be provided.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$394,880 | \$98,720 | \$0 | \$0 | \$0 | \$0 | \$0 | \$493,600 |
| Construction | 3,948,800 | 987,200 | 0 | 0 | 0 | 0 | 0 | 4,936,000 |
| Contingency | 197,440 | 49,360 | 0 | 0 | 0 | 0 | 0 | 246,800 |
| Total Project Expenditures | \$4,541,120 | \$1,135,280 | \$0 | \$0 | \$0 | \$0 | \$0 | \$5,676,400 |
| Funding Sources | | | | | | | | |
| Water and Sewer Fund Balance | \$4,541,120 | \$1,135,280 | \$0 | \$0 | \$0 | \$0 | \$0 | \$5,676,400 |
| Total Project Funding Sources | \$4,541,120 | \$1,135,280 | \$0 | \$0 | \$0 | \$0 | \$0 | \$5,676,400 |

| | |
|--|--|
| PROJECT TITLE 21st, 22nd, and 23rd Street Water and Sewer Rehabilitation | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

The scope of this project includes the complete rehabilitation of the existing water and sewer lines on 21st, 22nd, 23rd, and surrounding streets. The project limits include streets within the boundaries of Liberty Street to the west, 25th Street to the north, Bowen Boulevard to the east, and 14th Street to the south. This project includes approximately 9,700 linear feet of 6" sewer mains, 32 manholes, 10,100 linear feet of 6" water mains, and 550 water and sewer connections to be rehabilitated. The project budget includes engineering design, easement acquisitions, construction, and construction management. This project provides multi-year funding for complete rehabilitation in this area.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$793,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$600,000 | \$1,393,000 |
| Land/Right-of-Way Acquisition | 30,000 | 0 | 0 | 0 | 0 | 0 | 0 | 30,000 |
| Construction | 5,283,330 | 0 | 0 | 0 | 0 | 0 | 4,000,000 | 9,283,330 |
| Contingency | 200,030 | 0 | 0 | 0 | 0 | 0 | 200,000 | 400,030 |
| Total Project Expenditures | \$6,306,360 | \$0 | \$0 | \$0 | \$0 | \$0 | \$4,800,000 | \$11,106,360 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$6,306,360 | \$0 | \$0 | \$0 | \$0 | \$0 | \$4,800,000 | \$11,106,360 |
| Total Project Funding Sources | \$6,306,360 | \$0 | \$0 | \$0 | \$0 | \$0 | \$4,800,000 | \$11,106,360 |

| | |
|---|--|
| PROJECT TITLE Advanced Meter Infrastructure | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

This multi-year project will install/retrofit meters within the entire water system with the capability of transmitting/broadcasting consumption information to a receiver. The components of the project include a labor contract with a meter servicing contractor and a service contract with the lowest bidder of Advanced Meter Infrastructure (AMI) technology meeting the specifications. The labor contractor will serve the purpose of replacing either the register or the entire meter currently installed in the system with a register/meter that is compatible with AMI technology. The service contract will provide transmitting units that meet the specifications developed by staff based on the results of the FY 2009-2010 pilot. This project will help to improve customer service and help provide more detailed information regarding customer accounts. Currently the system has 16 bimonthly billing cycles with anywhere from 6,700 to 8,400 accounts in each cycle.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Equipment and Furnishings | \$2,250,000 | \$750,000 | \$750,000 | \$750,000 | \$750,000 | \$750,000 | \$0 | \$6,000,000 |
| Contracts (Meter C.O. and GPS) | 600,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 0 | 1,600,000 |
| Contingency | 150,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 0 | 400,000 |
| Total Project Expenditures | \$3,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$0 | \$8,000,000 |
| Funding Sources | | | | | | | | |
| Water and Sewer Fund Balance | \$3,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$0 | \$8,000,000 |
| Total Project Funding Sources | \$3,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$0 | \$8,000,000 |

| | |
|---|--|
| PROJECT TITLE Ardmore Area Water and Sewer Rehabilitation | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the evaluation and rehabilitation of the Ardmore neighborhood water and sewer systems. Due to the large size of the Ardmore neighborhood, the age of the water and sewer systems, and the historical aspects of the area, a master plan approach is being pursued in developing an overall project approach for the rehabilitation of these systems. This project also will include rehabilitation of the Polo Road outfall.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$1,530,400 | \$0 | \$0 | \$0 | \$0 | \$0 | \$382,600 | \$1,913,000 |
| Construction | 15,304,320 | 0 | 0 | 0 | 0 | 0 | 3,826,080 | 19,130,400 |
| Contingency | 765,280 | 0 | 0 | 0 | 0 | 0 | 191,320 | 956,600 |
| Total Project Expenditures | \$17,600,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$4,400,000 | \$22,000,000 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$17,600,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$17,600,000 |
| Water and Sewer Fund Balance | 0 | 0 | 0 | 0 | 0 | 0 | 4,400,000 | 4,400,000 |
| Total Project Funding Sources | \$17,600,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$4,400,000 | \$22,000,000 |

| | |
|--|--|
| PROJECT TITLE Construction and Maintenance Facilities Improvements | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project addresses space limitations currently facing the Construction and Maintenance (C&M) operation. Due to changes in responsibility and a shift to more technical personnel, more office space is needed to accommodate this staff. With the move of the Meter Shop to its own building, recent renovations to the main Construction and Maintenance building provided more office and meeting space, as well as additional cubicle spaces. Some work is still needed at the Meter Shop building to better utilize space that formerly housed backflow prevention staff and to reestablish meter testing operations. This project will also address the planning and construction of an additional facility elsewhere to provide for better service coverage and response times. The FY 2013-2014 appropriation will be used to replace 5 HVAC units, update building control systems, and replace an ageing roof on the C&M building.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$321,740 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$321,740 |
| Land/Right-of-Way Acquisition | 817,500 | 0 | 0 | 0 | 0 | 0 | 0 | 817,500 |
| Construction | 0 | 476,190 | 0 | 0 | 0 | 0 | 632,520 | 1,108,710 |
| Contingency | 0 | 23,810 | 0 | 0 | 0 | 0 | 31,620 | 55,430 |
| Total Project Expenditures | \$1,139,240 | \$500,000 | \$0 | \$0 | \$0 | \$0 | \$664,140 | \$2,303,380 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$1,139,240 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,139,240 |
| Water and Sewer Fund Balance | 0 | 500,000 | 0 | 0 | 0 | 0 | 664,140 | 1,164,140 |
| Total Project Funding Sources | \$1,139,240 | \$500,000 | \$0 | \$0 | \$0 | \$0 | \$664,140 | \$2,303,380 |

| | |
|--|--|
| PROJECT TITLE Elledge Basin Rehabilitation | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

The Elledge Basin includes over 539 miles of sewer main. The Utilities Division is completing a Wastewater Master Plan to review the capacity needs in all three (3) basins. This project will fund design and construction projects to provide additional capacity in the Elledge basin as indicated by the Wastewater Master Plan.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|-------------------|--------------------|-------------------|--------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$400,000 | \$400,000 | \$400,000 | \$400,000 | \$400,000 | \$400,000 | \$2,400,000 |
| Construction | 0 | 0 | 2,000,000 | 0 | 2,000,000 | 0 | 2,000,000 | 6,000,000 |
| Contingency | 0 | 0 | 100,000 | 0 | 100,000 | 0 | 100,000 | 300,000 |
| Total Project Expenditures | \$0 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$8,700,000 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$0 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$8,700,000 |
| Total Project Funding Sources | \$0 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$8,700,000 |

| | |
|---|--|
| PROJECT TITLE Harper Road Lift Station/Clemmons No. 1 Expansion | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

To avoid the immediate need to upgrade the Tanglewood Lift Station, it has been recommended to construct a new lift station off Harper Road in Clemmons. The new station will accept flow from the existing Clemmons No. 1 lift station which currently flows to Tanglewood lift station. The project will also include expanding the sanitary sewer service areas in Clemmons and Lewisville through the new Harper Road lift station and upgrading Clemmons No.1 lift station. The new Harper Road lift station will discharge directly into the Muddy Creek interceptor. The existing submersible pumps at the Clemmons No. 1 station will be replaced with 700 gpm submersible pumps. Other improvements will include the installation of a stand-by generator and ATS, SCADA system and all other related electrical gear. To convey flow from Clemmons No. 1 to the new Harper Road lift station, a 10-inch force main, approximately 5,800 LF, will be routed parallel with Blanket Bottom Creek until it reaches the new station. The new Harper Road Lift Station will include a cast-in-place concrete wet well designed to accommodate four submersible pumps to meet build-out flow conditions. The station will include a weight handling system, stand-by generator and automatic transfer system (ATS), supervisory control and data acquisition (SCADA) system, and an odor control system. Approximately 10,400 LF of 24-inch force main will be installed to convey flow from the new Harper Road Lift Station to the Muddy Creek interceptor.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$360,500 | \$0 | \$0 | \$0 | \$0 | \$0 | \$360,500 |
| Land/Right-of-Way Acquisition | 0 | 81,200 | 0 | 0 | 0 | 0 | 0 | 81,200 |
| Construction | 0 | 4,808,000 | 0 | 0 | 0 | 0 | 0 | 4,808,000 |
| Contingency | 0 | 961,600 | 0 | 0 | 0 | 0 | 0 | 961,600 |
| Total Project Expenditures | \$0 | \$6,211,300 | \$0 | \$0 | \$0 | \$0 | \$0 | \$6,211,300 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$0 | \$6,211,300 | \$0 | \$0 | \$0 | \$0 | \$0 | \$6,211,300 |
| Total Project Funding Sources | \$0 | \$6,211,300 | \$0 | \$0 | \$0 | \$0 | \$0 | \$6,211,300 |

| | |
|--|--|
| PROJECT TITLE Muddy Creek Basin Find and Fix Project | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for inflow and infiltration investigations, flow monitoring, planning, design, and construction for sewer rehabilitation projects in the Muddy Creek drainage basin sewer system. The project should decrease the amount of inflow and infiltration entering the system and increase its long-term capacity.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|-------------------|--------------------|-------------------|-------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$869,690 | \$500,000 | \$123,230 | \$500,000 | \$123,230 | \$0 | \$0 | \$2,116,150 |
| Construction | 9,232,250 | 0 | 4,000,000 | 0 | 4,000,000 | 0 | 0 | 17,232,250 |
| Contingency | 461,620 | 0 | 200,000 | 0 | 200,000 | 0 | 0 | 861,620 |
| Total Project Expenditures | \$10,563,560 | \$500,000 | \$4,323,230 | \$500,000 | \$4,323,230 | \$0 | \$0 | \$20,210,020 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$10,563,560 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$10,563,560 |
| Water and Sewer Fund Balance | 0 | 500,000 | 4,323,230 | 500,000 | 4,323,230 | 0 | 0 | 9,646,460 |
| Total Project Funding Sources | \$10,563,560 | \$500,000 | \$4,323,230 | \$500,000 | \$4,323,230 | \$0 | \$0 | \$20,210,020 |

| | |
|--|--|
| PROJECT TITLE Muddy Creek Basin Rehabilitation | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

The Utilities Division is completing a Wastewater Master Plan to review the capacity needs in all three drainage basins (South Fork, Elledge, and Muddy Creek) within our service area. The Muddy Creek Basin includes 758 miles of gravity sewer and more than 14 miles of force main from 21 pump stations. This project will fund design and construction projects to provide additional capacity in the Muddy Creek basin as identified by the Wastewater Master Plan.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|-------------------|--------------------|-------------------|--------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$400,000 | \$400,000 | \$400,000 | \$400,000 | \$400,000 | \$400,000 | \$2,400,000 |
| Construction | 0 | 0 | 2,000,000 | 0 | 2,000,000 | 0 | 2,000,000 | 6,000,000 |
| Contingency | 0 | 0 | 100,000 | 0 | 100,000 | 0 | 100,000 | 300,000 |
| Total Project Expenditures | \$0 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$8,700,000 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$0 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$8,700,000 |
| Total Project Funding Sources | \$0 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$400,000 | \$2,500,000 | \$8,700,000 |

| | |
|--|--|
| PROJECT TITLE New Elevated Water Tanks | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

The project will fund the construction of two new elevated storage tanks in the system. The current recommendations from the distribution system master plan indicate the need for additional storage in the Clemmons and Kernersville service areas to meet demand projections for 2030. This project will fund the construction of new one million gallon elevated storage tanks in the Clemmons and Kernersville pressure zones.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$566,660 | \$0 | \$0 | \$0 | \$0 | \$0 | \$425,000 | \$991,660 |
| Land/Right-of-Way Acquisition | 120,000 | 0 | 0 | 0 | 0 | 0 | 0 | 120,000 |
| Construction | 4,249,980 | 0 | 0 | 0 | 0 | 0 | 2,833,330 | 7,083,310 |
| Contingency | 212,520 | 0 | 0 | 0 | 0 | 0 | 141,670 | 354,190 |
| Total Project Expenditures | \$5,149,160 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,400,000 | \$8,549,160 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$5,149,160 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$5,149,160 |
| Water and Sewer Fund Balance | 0 | 0 | 0 | 0 | 0 | 0 | 3,400,000 | 3,400,000 |
| Total Project Funding Sources | \$5,149,160 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,400,000 | \$8,549,160 |

| | |
|---|--|
| PROJECT TITLE NCDOT Road Widening Project Utility Relocations | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

The North Carolina Department of Transportation has identified several projects scheduled for road widening or construction to begin in 2013 and following years. In accordance with NCDOT policies, water and sewer lines in project rights-of-way may need to be relocated. The appropriations in FY 2013-2014 will fund water and sewer line relocations for NCDOT identified projects. Current projects identified include the Northern Beltway - eastern section, Salem Connector relocation, and Macy Grove Road. Other projects may be identified at a later date. This projects provides funding for utility relocations as NCDOT begins construction on projects.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$375,000 | \$375,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$750,000 |
| Land/Right-of-Way Acquisition | 30,000 | 30,000 | 0 | 0 | 0 | 0 | 0 | 60,000 |
| Construction | 2,500,000 | 2,500,000 | 0 | 0 | 0 | 0 | 0 | 5,000,000 |
| Total Project Expenditures | \$2,905,000 | \$2,905,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$5,810,000 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$2,905,000 | \$2,905,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$5,810,000 |
| Total Project Funding Sources | \$2,905,000 | \$2,905,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$5,810,000 |

| | |
|--|--|
| PROJECT TITLE South Fork Basin Capacity Improvements | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

The South Fork Basin includes over 386 miles of sewer main. Earlier capacity studies in this basin indicated the need to increase capacity of the collection system. These studies indicate that capacity may be impeded by inflow and infiltration (I&I) to the main outfalls serving this basin. Additional review of I&I and potential pipe size restrictions continued through the Wastewater Master Plan. The Master Plan has been completed and short and long term needs have been identified. This multi-year project will fund design and construction projects to provide additional capacity in the South Fork basin as indicated by the Wastewater Master Plan.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|---------------------|---------------------|--------------------|--------------------|--------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$500,000 | \$3,617,500 | \$1,639,250 | \$1,549,750 | \$273,350 | \$346,850 | \$762,000 | \$8,688,700 |
| Land/Right-of-Way Acquisition | 100,000 | 56,300 | 104,250 | 104,250 | 0 | 0 | 0 | 364,800 |
| Construction | 3,300,000 | 430,000 | 13,448,000 | 14,524,000 | 2,305,000 | 5,610,000 | 4,900,000 | 44,517,000 |
| Contingency | 100,000 | 86,000 | 2,690,000 | 2,905,000 | 461,000 | 1,121,000 | 980,000 | 8,343,000 |
| Total Project Expenditures | \$4,000,000 | \$4,189,800 | \$17,881,500 | \$19,083,000 | \$3,039,350 | \$7,077,850 | \$6,642,000 | \$61,913,500 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$4,000,000 | \$4,189,800 | \$17,881,500 | \$19,083,000 | \$3,039,350 | \$7,077,850 | \$6,642,000 | \$61,913,500 |
| Total Project Funding Sources | \$4,000,000 | \$4,189,800 | \$17,881,500 | \$19,083,000 | \$3,039,350 | \$7,077,850 | \$6,642,000 | \$61,913,500 |

| | |
|--|--|
| PROJECT TITLE Tanglewood Lift Station Improvements | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

Tanglewood Lift Station is located in the southwestern part of the City/County Utility Commission’s (CCUC) collection system in the Yadkin River drainage basin. Tanglewood receives flow from gravity systems and two pump station force mains. One force main comes from CCUC’s Fair Oaks Lift Station and the other comes from the Davie County’s Yadkin River Lift Station. Based on the expected service area growth, the Tanglewood Lift Station will need to be expanded to meet future flow projections, by 2014. CCUC is evaluating possible alternatives to provide future capacity at the Tanglewood Lift Station. This project will include funds to continue to study the feasibility of the alternatives (Fair Oaks, Harper Road, Clemmons No. 1 Pump Station and Force Mains) and to fund the upgrades to the station resulting from the studies.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$1,150,000 | \$0 | \$35,560 | \$0 | \$0 | \$0 | \$0 | \$1,185,560 |
| Land/Right-of-Way Acquisition | 0 | 0 | 141,000 | 0 | 0 | 0 | 0 | 141,000 |
| Construction | 1,300,000 | 0 | 2,160,000 | 0 | 0 | 0 | 0 | 3,460,000 |
| Contingency | 200,000 | 0 | 472,000 | 0 | 0 | 0 | 0 | 672,000 |
| Total Project Expenditures | \$2,650,000 | \$0 | \$2,808,560 | \$0 | \$0 | \$0 | \$0 | \$5,458,560 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$2,650,000 | \$0 | \$2,808,560 | \$0 | \$0 | \$0 | \$0 | \$5,458,560 |
| Total Project Funding Sources | \$2,650,000 | \$0 | \$2,808,560 | \$0 | \$0 | \$0 | \$0 | \$5,458,560 |

| | |
|---|--|
| PROJECT TITLE Wastewater Collection System Improvements | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides multi-year funding for inspection, evaluation, design, and construction of sanitary sewer rehabilitation projects throughout the system. In many areas of the sewer system, the pipes and manholes have reached ages that exceed 60, 70, and 80 years and have exceeded their design life. Manholes have deteriorated and pipes have cracked and broken. These problems cause backups and flow problems, and they allow water to infiltrate/inflow into the sewer system causing sanitary sewer overflows (SSO's) and extra cost at the plants for treatment.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$260,870 | \$260,870 | \$260,870 | \$260,870 | \$260,870 | \$260,870 | \$260,870 | \$1,826,090 |
| Construction | 2,608,690 | 2,608,690 | 2,608,690 | 2,608,690 | 2,608,690 | 2,608,690 | 2,608,690 | 18,260,830 |
| Contingency | 130,440 | 130,440 | 130,440 | 130,440 | 130,440 | 130,440 | 130,440 | 913,080 |
| Total Project Expenditures | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$21,000,000 |
| Funding Sources | | | | | | | | |
| Water and Sewer Fund Balance | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$21,000,000 |
| Total Project Funding Sources | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$3,000,000 | \$21,000,000 |

| | |
|--|--|
| PROJECT TITLE Water Distribution System Improvements | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides multi-year funding for water distribution improvements throughout the City and County. This project will fund some planned work such as valve exercising, as well as unanticipated projects that arise throughout the fiscal year, such as projects for rehabilitating portions of the water system, chlorination booster projects, structure adjustments, system-wide asset replacement planning, and other miscellaneous water system improvements.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$150,000 | \$150,000 | \$150,000 | \$150,000 | \$150,000 | \$150,000 | \$150,000 | \$1,050,000 |
| Construction | 800,000 | 800,000 | 800,000 | 800,000 | 800,000 | 800,000 | 800,000 | 5,600,000 |
| Contingency | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 350,000 |
| Total Project Expenditures | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$7,000,000 |
| Funding Sources | | | | | | | | |
| Water and Sewer Fund Balance | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$7,000,000 |
| Total Project Funding Sources | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$1,000,000 | \$7,000,000 |

| | |
|---|--|
| PROJECT TITLE Water Tank Rehabilitation | DEPARTMENT/DIVISION Utilities / Water Distribution and Wastewater Collection |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project consists of structural repairs, lead paint abatement, and coating replacement for elevated and ground storage tanks. Each of the tanks included in this project has been in service at least 20 years. An engineering firm that specializes in tank maintenance has inspected all of the tanks included, and this repair program is based on its recommendations. The goal of the project is to maximize the service life of these structures and to bring them into compliance with current Occupational Safety and Health Administration (OSHA) and American Water Works Association (AWWA) standards. The water facilities master plan identified exterior coating repair needs for the 15th Street and Sides Road ground storage tanks. The work for these two tanks, as estimated by the engineering master plan, is scheduled to occur in FY 2013-2014 (Sides Road) and FY 2014-2015 (15th Street). The Bodenhamer Street elevated tank has also been identified for rehabilitation in FY 2015-2016.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$93,810 | \$93,810 | \$80,630 | \$93,500 | \$0 | \$0 | \$0 | \$361,750 |
| Construction | 625,420 | 625,420 | 537,500 | 775,000 | 0 | 0 | 0 | 2,563,340 |
| Contingency | 31,270 | 31,270 | 26,880 | 75,000 | 0 | 0 | 0 | 164,420 |
| Total Project Expenditures | \$750,500 | \$750,500 | \$645,010 | \$943,500 | \$0 | \$0 | \$0 | \$3,089,510 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$750,500 | \$750,500 | \$645,010 | \$943,500 | \$0 | \$0 | \$0 | \$3,089,510 |
| Total Project Funding Sources | \$750,500 | \$750,500 | \$645,010 | \$943,500 | \$0 | \$0 | \$0 | \$3,089,510 |

| | |
|---|---|
| PROJECT TITLE 28th Street Stormwater Improvements | DEPARTMENT/DIVISION Stormwater Management |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

The drainage system extending from the intersection of Ivy Avenue and 24th Street (west of Liberty Street below the railroad tracks) has reached its capacity and service life. This project would consist of replacing the existing pipe with a larger size pipe to adequately improve drainage within this location and specifically eliminate pooling (flooding) below the railroad tracks on 28th Street during significant rain events. The estimated cost for design, permitting, and construction is \$2,200,000.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$440,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$440,000 |
| Land/Right-of-Way Acquisition | 110,000 | 0 | 0 | 0 | 0 | 0 | 0 | 110,000 |
| Construction | 880,000 | 0 | 0 | 0 | 0 | 0 | 0 | 880,000 |
| Equipment & Furnishings | 0 | 440,000 | 0 | 0 | 0 | 0 | 0 | 440,000 |
| Contingency | 255,200 | 74,800 | 0 | 0 | 0 | 0 | 0 | 330,000 |
| Total Project Expenditures | \$1,685,200 | \$514,800 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,200,000 |
| Funding Sources | | | | | | | | |
| Stormwater Management Fund | \$1,685,200 | \$514,800 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,200,000 |
| Total Project Funding Sources | \$1,685,200 | \$514,800 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,200,000 |

| | |
|---|---|
| PROJECT TITLE Drainage Improvements on Private Property | DEPARTMENT/DIVISION Stormwater Management |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

City ordinances authorize the City to participate in the correction of storm drainage problems that occur on private residential property. The cap on project cost is \$50,000 per affected property, with the City's participation in eligible projects limited to 70%. Each project request will be reviewed by city staff and presented to the City Council for final approval.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$1,900,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$3,400,000 |
| Total Project Expenditures | \$1,900,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$3,400,000 |
| Funding Sources | | | | | | | | |
| Stormwater Management Fund | \$1,900,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$3,400,000 |
| Total Project Funding Sources | \$1,900,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$3,400,000 |

| | |
|---|---|
| PROJECT TITLE Stormwater Infrastructure Renovations | DEPARTMENT/DIVISION Stormwater Management |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

Through stormwater basin studies and City inspections, the Stormwater staff has identified locations throughout the City where public stormwater infrastructure is deficient. The drainage systems in these locations are aging or inadequate in size to handle current stormwater volumes. The Stormwater staff has assigned each project a priority ranking and created a 15-year plan for constructing these improvements. Current projects include culvert replacements at Griffith and Kingston Road. The drainage system under Griffith Road approximately 400' north of the intersection with Clemmonsville Road is undersized and overtops Griffith Road frequently. Overtopping of this system causes safety issues to the traveling public as well as damage to upstream and downstream property. Kingston Road is located in the Town and Country Development and is directly adjacent to the community pool and recreation center. The culvert system under Kingston Road is significantly undersized which results in overtopping of the road and flooding of the pool, recreation center and downstream property. Overtopping has occurred several times in the last three years. The drainage current system does not meet City design standards.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$160,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$160,000 |
| Construction | 6,171,940 | 2,280,150 | 1,493,070 | 1,493,070 | 1,050,780 | 3,144,140 | 1,545,110 | 17,178,260 |
| Total Project Expenditures | \$6,331,940 | \$2,280,150 | \$1,493,070 | \$1,493,070 | \$1,050,780 | \$3,144,140 | \$1,545,110 | \$17,338,260 |
| Funding Sources | | | | | | | | |
| Revenue Bonds | \$1,426,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,426,000 |
| Stormwater Management Fund | 4,905,940 | 2,280,150 | 1,493,070 | 1,493,070 | 1,050,780 | 3,144,140 | 1,545,110 | 15,912,260 |
| Total Project Funding Sources | \$6,331,940 | \$2,280,150 | \$1,493,070 | \$1,493,070 | \$1,050,780 | \$3,144,140 | \$1,545,110 | \$17,338,260 |

Public Safety

| | |
|--|----|
| Expenditure and Funding Source Summary | 67 |
| Fire Department: | |
| Fire Apparatus Replacement | 68 |
| Fire Stations Facility Renewal..... | 69 |



PUBLIC SAFETY

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|--|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------|
| Fire Department: | | | | | | | |
| Fire Apparatus Replacement | \$1,211,880 | \$643,870 | \$1,287,730 | \$1,416,700 | \$1,290,640 | \$3,064,600 | \$8,915,420 |
| Fire Stations Facility Renewal | 200,000 | 0 | 300,000 | 0 | 300,000 | 0 | 800,000 |
| Total Expenditures | \$1,411,880 | \$643,870 | \$1,587,730 | \$1,416,700 | \$1,590,640 | \$3,064,600 | \$9,715,420 |
| Funding Sources | | | | | | | |
| Bonds: | | | | | | | |
| General Obligation Bonds/Two-Thirds | \$200,000 | \$0 | \$300,000 | \$0 | \$300,000 | \$0 | \$800,000 |
| Other: | | | | | | | |
| North Carolina Municipal Leasing Corporation | \$1,211,880 | \$643,870 | \$1,287,730 | \$1,416,700 | \$1,290,640 | \$3,064,600 | \$8,915,420 |
| Total Funding Sources | \$1,411,880 | \$643,870 | \$1,587,730 | \$1,416,700 | \$1,590,640 | \$3,064,600 | \$9,715,420 |

| | |
|--|---|
| PROJECT TITLE Fire Apparatus Replacement | DEPARTMENT/DIVISION Fire Department |
|--|---|

PROJECT DESCRIPTION/JUSTIFICATION

Fire apparatus provide transportation of personnel and equipment to emergency incidents. In order to have reliable apparatus, a strategy of replacing first-line pumpers at 12-15 years and ladder trucks at 15-20 years, considering mileage and condition of the vehicle, is being followed. The following replacements are needed to comply with this schedule: FY 2013-2014 Unit #18 (1998 Sutphen Ladder); FY 14-15 Unit #1502 (2001 Pierce rescue truck); FY 2015-2016 Unit #1092 (2001 Spartan), Unit #30 (2001 Spartan); FY 2016-2017 Unit #1501 (2001 Sutphen Ladder); FY 2017-2018 Unit #26 (2004 Spartan) and Unit #1503 (2003 Spartan); and FY 2018-2019 Unit #21 (2004 Stuphen Ladder) and Unit #1504 (2004 Stuphen Ladder). These replacements will be financed over ten years through the North Carolina Municipal Leasing Corporation, with the annual payment included in the department's operating budget.



FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Equipment and Furnishings | \$1,020,000 | \$1,211,880 | \$643,870 | \$1,287,730 | \$1,416,700 | \$1,290,640 | \$3,064,600 | \$9,935,420 |
| Total Project Expenditures | \$1,020,000 | \$1,211,880 | \$643,870 | \$1,287,730 | \$1,416,700 | \$1,290,640 | \$3,064,600 | \$9,935,420 |
| Funding Sources | | | | | | | | |
| NCMLC | \$1,020,000 | \$1,211,880 | \$643,870 | \$1,287,730 | \$1,416,700 | \$1,290,640 | \$3,064,600 | \$9,935,420 |
| Total Project Funding Sources | \$1,020,000 | \$1,211,880 | \$643,870 | \$1,287,730 | \$1,416,700 | \$1,290,640 | \$3,064,600 | \$9,935,420 |
| OPERATING IMPACT: | | | | | | | | |
| Lease Payments | | \$121,190 | \$185,580 | \$314,360 | \$456,020 | \$585,090 | \$891,550 | \$2,553,790 |
| Total Net Expenditures | | \$121,190 | \$185,580 | \$314,360 | \$456,020 | \$585,090 | \$891,550 | \$2,553,790 |

| | |
|--|--|
| PROJECT TITLE Fire Stations Facility Renewal | DEPARTMENT/DIVISION Property and Facilities Management |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

Under the City’s asset management program, the Facilities Management Department has performed facility condition assessments on all buildings in general fund departments, including all fire stations. Facilities Management has documented needs and established a schedule for the replacement of roofs, replacement of heating and air conditioning systems, painting, renewal of interior finishes, replacement and repair of electrical and lighting systems, bathroom and kitchen renewal, and miscellaneous systems maintenance at each of the City-owned fire stations. Facility renewal work in FY 2013-2014 will include: roof replacement at Station 6; HVAC replacement at Station 6, and kitchen renovations at Stations 4, 5, and 7.



FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$1,453,550 | \$200,000 | \$0 | \$300,000 | \$0 | \$300,000 | \$0 | \$2,253,550 |
| Total Project Expenditures | \$1,453,550 | \$200,000 | \$0 | \$300,000 | \$0 | \$300,000 | \$0 | \$2,253,550 |
| Funding Sources | | | | | | | | |
| General Fund | \$118,630 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$118,630 |
| GO Bonds/Two-Thirds | 1,272,340 | 200,000 | 0 | 300,000 | 0 | 300,000 | 0 | 2,072,340 |
| Other-Fund Balance Appropriation | 62,580 | 0 | 0 | 0 | 0 | 0 | 0 | 62,580 |
| Total Project Funding Sources | \$1,453,550 | \$200,000 | \$0 | \$300,000 | \$0 | \$300,000 | \$0 | \$2,253,550 |



Transportation

| | |
|---|----|
| Expenditure and Funding Source Summary | 73 |
| Streets and Sidewalks: | |
| Bridge Repair and Replacement..... | 74 |
| Martin Luther King Enhancement Project | 75 |
| New Traffic Signal System | 76 |
| Sidewalk Maintenance / New Sidewalk Construction | 77 |
| Surface Transportation Program-Direct Apportionment Bicycle and Pedestrian Projects | 78 |
| Surface Transportation Program-Direct Apportionment Intersection Projects | 79 |
| Street Resurfacing Projects | 80 |
| Traffic Calming Projects | 81 |
| Traffic Safety Projects..... | 82 |
| Mass Transit: | |
| Fixed Route Bus Replacement | 83 |
| Passenger Amenities..... | 84 |
| Security Enhancements | 85 |
| Trans-AID Vehicle Replacement | 86 |
| Transit Equipment Replacement | 87 |
| Transit Facility Renovations | 88 |
| Transit Vehicle Maintenance..... | 89 |



TRANSPORTATION

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|---|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------|
| Streets and Sidewalks: | | | | | | | |
| Bridge Repair and Replacement | \$2,150,000 | \$0 | \$2,900,000 | \$0 | \$5,000,000 | \$0 | \$10,050,000 |
| Martin Luther King Enhancement Project | 3,125,000 | 0 | 0 | 0 | 0 | 0 | 3,125,000 |
| New Traffic Signal System | 468,000 | 468,000 | 0 | 0 | 0 | 0 | 936,000 |
| Sidewalk Maintenance/New Sidewalk Construction | 270,000 | 155,000 | 155,000 | 155,000 | 155,000 | 155,000 | 1,045,000 |
| STP-DA ¹ Bicycle and Pedestrian Projects | 715,000 | 1,750,000 | 1,750,000 | 1,750,000 | 1,750,000 | 1,750,000 | 9,465,000 |
| STP-DA ¹ Intersection Projects | 300,000 | 1,000,000 | 500,000 | 500,000 | 500,000 | 500,000 | 3,300,000 |
| Street Resurfacing Projects | 2,500,000 | 1,000,000 | 2,498,000 | 1,198,000 | 2,698,000 | 1,198,000 | 11,092,000 |
| Traffic Calming Projects | 0 | 0 | 135,000 | 135,000 | 135,000 | 135,000 | 540,000 |
| Traffic Safety Projects | 7,000 | 0 | 135,000 | 135,000 | 135,000 | 135,000 | 547,000 |
| Mass Transit: | | | | | | | |
| Fixed Route Bus Replacement | \$4,644,710 | \$9,461,110 | \$0 | \$0 | \$0 | \$0 | \$14,105,820 |
| Passenger Amenities | 36,710 | 36,710 | 36,710 | 36,710 | 36,710 | 36,710 | 220,260 |
| Security Enhancements | 36,710 | 36,710 | 36,710 | 36,710 | 36,710 | 36,710 | 220,260 |
| Trans-AID Vehicle Replacement | 750,000 | 0 | 0 | 2,394,000 | 0 | 0 | 3,144,000 |
| Transit Equipment Replacement | 439,000 | 200,000 | 0 | 0 | 252,000 | 0 | 891,000 |
| Transit Facility Renovations | 105,750 | 344,750 | 144,750 | 144,750 | 292,750 | 544,750 | 1,577,500 |
| Transit Vehicle Maintenance | 100,000 | 100,000 | 500,000 | 500,000 | 100,000 | 100,000 | 1,400,000 |
| Total Expenditures | \$15,647,880 | \$14,552,280 | \$8,791,170 | \$6,985,170 | \$11,091,170 | \$4,591,170 | \$61,658,840 |
| Funding Sources | | | | | | | |
| Bonds: | | | | | | | |
| General Obligation Bonds/Two-Thirds | \$1,930,000 | \$0 | \$1,880,000 | \$0 | \$2,500,000 | \$0 | \$6,310,000 |
| Intergovernmental Resources: | | | | | | | |
| Federal Transit Administration | \$5,197,540 | \$8,143,430 | \$574,540 | \$2,489,740 | \$574,540 | \$574,540 | \$17,554,330 |
| North Carolina Department of Transportation | 2,068,350 | 946,110 | 2,320,000 | 239,400 | 4,000,000 | 0 | 9,573,860 |
| Gasoline Tax Revenue | 1,198,000 | 1,198,000 | 1,198,000 | 1,198,000 | 1,198,000 | 1,198,000 | 7,188,000 |
| Surface Transportation Program Direct Apportionment Funds | 3,312,000 | 2,200,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 12,712,000 |
| Reserves: | | | | | | | |
| Capital Project Reserves | \$0 | \$550,000 | \$450,000 | \$450,000 | \$450,000 | \$450,000 | \$2,350,000 |
| Mass Transit Tax Fund Reserves | 566,990 | 1,089,740 | 143,630 | 383,030 | 143,630 | 143,630 | 2,470,650 |
| Other: | | | | | | | |
| Motor Vehicle Privilege Tax | \$1,062,500 | \$425,000 | \$425,000 | \$425,000 | \$425,000 | \$425,000 | \$3,187,500 |
| Contributions | 312,500 | 0 | 0 | 0 | 0 | 0 | 312,500 |
| Total Funding Sources | \$15,647,880 | \$14,552,280 | \$8,791,170 | \$6,985,170 | \$11,091,170 | \$4,591,170 | \$61,658,840 |

1- Surface Transportation Program-Direct Apportionment

| | |
|---|--|
| PROJECT TITLE Bridge Repair and Replacement | DEPARTMENT/DIVISION Public Works/Engineering |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the repair and replacement of bridges on the City's maintenance system. Bridges are repaired to ensure safety and to extend their life. Consultants working for the NCDOT evaluate bridges every two years, and replacements are scheduled based on those evaluations and sufficiency ratings. Bridges on Reynolds Park Road (two bridges) and West First Street have been identified for replacements. Agreements with NCDOT for funding support for these bridges has been secured. Reynolds Park Road construction anticipated to begin during FY 14 and First Street Bridge construction anticipated to begin in FY 16. Other bridges with low sufficiency ratings that need to be replaced are: Glade, Sprague, Valley, Old Greensboro, Vargrave, and Novack. Currently, a federal program provides 80% of the funding for bridge replacement projects (those over 20 feet in length). These funds are passed through the North Carolina Department of Transportation.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|--------------------|-------------------|--------------------|-------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$400,000 | \$650,000 | \$0 | \$150,000 | \$0 | \$700,000 | \$0 | \$1,900,000 |
| Land/Right-of-Way Acquisition | 50,000 | 400,000 | 0 | 0 | 0 | 150,000 | 0 | 600,000 |
| Construction | 2,497,340 | 1,100,000 | 0 | 2,750,000 | 0 | 3,550,000 | 0 | 9,897,340 |
| Contingency | 200,000 | 0 | 0 | 0 | 0 | 600,000 | 0 | 800,000 |
| Total Project Expenditures | \$3,147,340 | \$2,150,000 | \$0 | \$2,900,000 | \$0 | \$5,000,000 | \$0 | \$13,197,340 |
| Funding Sources | | | | | | | | |
| GO Bonds/Two-Thirds | \$500,000 | \$430,000 | \$0 | \$580,000 | \$0 | \$1,000,000 | \$0 | \$2,510,000 |
| Capital Project Reserves | 218,980 | 0 | 0 | 0 | 0 | 0 | 0 | 218,980 |
| NC Dept of Transportation | 2,428,360 | 1,720,000 | 0 | 2,320,000 | 0 | 4,000,000 | 0 | 10,468,360 |
| Total Project Funding Sources | \$3,147,340 | \$2,150,000 | \$0 | \$2,900,000 | \$0 | \$5,000,000 | \$0 | \$13,197,340 |

| | |
|--|--|
| PROJECT TITLE Martin Luther King Enhancement Project | DEPARTMENT/DIVISION Transportation |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project uses federal funds to improve the appearance of the Martin Luther King Jr. corridor between Trade Street to the WSSU campus.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$0 | \$3,125,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,125,000 |
| Total Project Expenditures | \$0 | \$3,125,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,125,000 |
| Funding Sources | | | | | | | | |
| STPDA Funds | \$0 | \$2,500,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,500,000 |
| Motor Vehicle Privilege Tax | 0 | 312,500 | 0 | 0 | 0 | 0 | 0 | 312,500 |
| Contributions | 0 | 312,500 | 0 | 0 | 0 | 0 | 0 | 312,500 |
| Total Project Funding Sources | \$0 | \$3,125,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,125,000 |

| | |
|---|--|
| PROJECT TITLE New Traffic Signal System | DEPARTMENT/DIVISION Department of Transportation |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

Winston-Salem's computerized traffic signal system is over 15 years old. It does not have capacity to accommodate all the signals in the city and lacks communications ability with signals on the city's outer edge. A modern functional signal system must be in place before the rehabilitation of Business 40 through downtown. This project will replace communications and devices at all city and state maintained traffic signal locations in Winston-Salem. Funding for this project will be provided as follows: 80% in federal funding, 12.2% in state funding, and 7.8% from the City's capital reserves. The total cost of this project, including federal and state funding, is \$20 million. The City's capital project is only required to cover the local match since NCDOT will be managing the project and paying the bulk of the project costs directly to the contractors and consultants.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$156,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$156,000 |
| Construction | 468,000 | 468,000 | 468,000 | 0 | 0 | 0 | 0 | 1,404,000 |
| Total Project Expenditures | \$624,000 | \$468,000 | \$468,000 | \$0 | \$0 | \$0 | \$0 | \$1,560,000 |
| Funding Sources | | | | | | | | |
| Motor Vehicle Privilege Tax | \$270,000 | \$270,000 | \$270,000 | \$0 | \$0 | \$0 | \$0 | \$810,000 |
| Capital Project Reserves | 156,000 | 0 | 0 | 0 | 0 | 0 | 0 | 156,000 |
| Gasoline Tax | 198,000 | 198,000 | 198,000 | 0 | 0 | 0 | 0 | 594,000 |
| Total Project Funding Sources | \$624,000 | \$468,000 | \$468,000 | \$0 | \$0 | \$0 | \$0 | \$1,560,000 |

| | |
|--|--|
| PROJECT TITLE Sidewalk Maintenance / New Sidewalk Construction | DEPARTMENT/DIVISION Department of Transportation |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides funding for the construction of new sidewalks, and the maintenance/repair of existing sidewalks. This project also provides for the installation of ramps to accommodate the disabled as needed to comply with the Americans with Disabilities Act (ADA). New sidewalks are constructed based on a priority system. Ramps are installed in high priority areas and as requested by persons with disabilities. Sidewalks that are in poor condition are both a safety hazard and a mobility impediment to the disabled. This project services citizens throughout the City. For FY 13-14, \$270,000 is needed for public infrastructure improvements for the pedestrian/greenway-like connection between Cherry Street and Trade Street with enhanced lighting in preparation for the arrival of Mast General Store.



FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$300,000 | \$0 | \$55,000 | \$55,000 | \$55,000 | \$55,000 | \$55,000 | \$575,000 |
| Construction | 3,908,200 | 270,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 4,678,200 |
| Total Project Expenditures | \$4,208,200 | \$270,000 | \$155,000 | \$155,000 | \$155,000 | \$155,000 | \$155,000 | \$5,253,200 |
| Funding Sources | | | | | | | | |
| General Fund | \$1,027,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,027,000 |
| GO Bonds/Two-Thirds | 2,131,320 | 0 | 0 | 0 | 0 | 0 | 0 | 2,131,320 |
| NC Dept of Transportation | 635,580 | 0 | 0 | 0 | 0 | 0 | 0 | 635,580 |
| Motor Vehicle Privilege Tax | 414,300 | 270,000 | 155,000 | 155,000 | 155,000 | 155,000 | 155,000 | 1,459,300 |
| Total Project Funding Sources | \$4,208,200 | \$270,000 | \$155,000 | \$155,000 | \$155,000 | \$155,000 | \$155,000 | \$5,253,200 |

| | |
|--|--|
| PROJECT TITLE Surface Transportation Program-Direct Apportionment (STP-DA) Bicycle and Pedestrian Projects | DEPARTMENT/DIVISION Department of Transportation |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

The Winston-Salem Area MPO has the authority to designate a portion of STP-DA funds, sent from the federal government, to NCDOT, for use on projects within the MPO. For FY 13-14, the projects to be funded include Bicycle Lanes (Hawthorne Road, Stratford Road, Reynolda Road, Old Greensboro Road, Liberty Street, Main Street, 6th Street), Silas Creek Road Sidewalk and Hanes Mall Boulevard Sidewalk. Federal funds are expected in the amount of 80% when the projects are completed, with the remaining 20% being part of the City's cost share.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$1,722,500 | \$715,000 | \$1,750,000 | \$1,750,000 | \$1,750,000 | \$1,750,000 | \$1,750,000 | \$11,187,500 |
| Total Project Expenditures | \$1,722,500 | \$715,000 | \$1,750,000 | \$1,750,000 | \$1,750,000 | \$1,750,000 | \$1,750,000 | \$11,187,500 |
| Funding Sources | | | | | | | | |
| General Fund (Fund Balance) | \$249,500 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$249,500 |
| STP-DA Funds | 1,378,000 | 572,000 | 1,400,000 | 1,400,000 | 1,400,000 | 1,400,000 | 1,400,000 | 8,950,000 |
| Capital Project Reserves | 95,000 | 0 | 350,000 | 350,000 | 350,000 | 350,000 | 350,000 | 1,845,000 |
| Motor Vehicle Privilege Tax | 0 | 143,000 | 0 | 0 | 0 | 0 | 0 | 143,000 |
| Total Project Funding Sources | \$1,722,500 | \$715,000 | \$1,750,000 | \$1,750,000 | \$1,750,000 | \$1,750,000 | \$1,750,000 | \$11,187,500 |

| | |
|--|------------------------------|
| PROJECT TITLE | DEPARTMENT/DIVISION |
| Surface Transportation Program-Direct Apportionment (STP-DA) Intersection Projects | Department of Transportation |

PROJECT DESCRIPTION/JUSTIFICATION

The Winston-Salem Area MPO has the authority to designate a portion of STP-DA funds, sent from the federal government to NCDOT, for use on projects within the MPO. During the FY 13-14 "Call for Projects," the MPO identified one intersection improvement project to be funded in FY 13-14. The project is a segment of the Ebert-Stratford Road Connector and will relocate the Asheton Grove subdivision entrance to the intersection of Ebert Road and Pope Road to create a T-intersection. This new intersection will also include a traffic signal. Estimate total cost of the project is \$300,000. Federal funds in the amount of 80% will be reimbursed when the projects are completed, with the remaining 20% being part of the City's cost share.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|---|----------------------|----------------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Land/Right-of-Way Acquisition | \$589,200 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$589,200 |
| Construction | 1,230,220 | 300,000 | 1,000,000 | 500,000 | 500,000 | 500,000 | 500,000 | 4,530,220 |
| Total Project Expenditures | \$1,819,420 | \$300,000 | \$1,000,000 | \$500,000 | \$500,000 | \$500,000 | \$500,000 | \$5,119,420 |
| Funding Sources | | | | | | | | |
| STP-DA Funds | \$312,000 | \$240,000 | \$800,000 | \$400,000 | \$400,000 | \$400,000 | \$400,000 | \$2,952,000 |
| North Carolina Department of Transportation | 1,047,740 | 0 | 0 | 0 | 0 | 0 | 0 | 1,047,740 |
| Motor Vehicle Privilege Tax | 118,000 | 60,000 | 0 | 0 | 0 | 0 | 0 | 178,000 |
| Capital Project Reserves | 341,680 | 0 | 200,000 | 100,000 | 100,000 | 100,000 | 100,000 | 941,680 |
| Total Project Funding Sources | \$1,819,420 | \$300,000 | \$1,000,000 | \$500,000 | \$500,000 | \$500,000 | \$500,000 | \$5,119,420 |

| | |
|---|--|
| PROJECT TITLE Street Resurfacing Projects | DEPARTMENT/DIVISION Department of Transportation |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

The City of Winston-Salem maintains 1,013.52 centerline miles (2,180.63 lane miles) of hard surface streets and 6.62 miles of dirt streets. The funds provided in this project will allow for resurfacing of approximately 35 lane miles (approximately 16 centerline miles) of hard surface streets during FY 2013-2014, at an anticipated cost of \$70,000 per lane mile. The benchmark for city streets is that 85% of the streets have a pavement condition rating of 85 or higher. Currently only 50% of the streets have a pavement condition rating of 85 or higher. 21% of the streets have a pavement condition rating below 60. Available resurfacing funds are applied and distributed throughout various wards to this group of streets with an overall goal of improving the commute for citizens and achieving the previous mentioned benchmark.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$7,802,360 | \$2,500,000 | \$1,000,000 | \$2,498,000 | \$1,198,000 | \$2,698,000 | \$1,198,000 | \$18,894,360 |
| Total Project Expenditures | \$7,802,360 | \$2,500,000 | \$1,000,000 | \$2,498,000 | \$1,198,000 | \$2,698,000 | \$1,198,000 | \$18,894,360 |
| Funding Sources | | | | | | | | |
| General Fund (Current Revenues) | \$1,027,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,027,000 |
| GO Bonds/Two-Thirds | 1,848,000 | 1,500,000 | 0 | 1,300,000 | 0 | 1,500,000 | 0 | 6,148,000 |
| Gasoline Tax Revenue | 4,927,360 | 1,000,000 | 1,000,000 | 1,198,000 | 1,198,000 | 1,198,000 | 1,198,000 | 11,719,360 |
| Total Project Funding Sources | \$7,802,360 | \$2,500,000 | \$1,000,000 | \$2,498,000 | \$1,198,000 | \$2,698,000 | \$1,198,000 | \$18,894,360 |

| | |
|--|--|
| PROJECT TITLE Traffic Calming Projects | DEPARTMENT/DIVISION Department of Transportation |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

Traffic calming projects require approval of 70% of residents in the neighborhood. Currently in the petition process are traffic calming projects for the Riverchase Neighborhood, Vernon Farms, Brookberry Farm, and Greenbrier Road. In February 2006, the City Council authorized the levy of an additional \$5 of the motor vehicle privilege tax. The state legislation requires that one-third of the proceeds be used for traffic management functions including traffic calming. Funding for the projects would come from this one-third of the proceeds.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$309,500 | \$0 | \$0 | \$135,000 | \$135,000 | \$135,000 | \$135,000 | \$849,500 |
| Total Project Expenditures | \$309,500 | \$0 | \$0 | \$135,000 | \$135,000 | \$135,000 | \$135,000 | \$849,500 |
| Funding Sources | | | | | | | | |
| Motor Vehicle Privilege Tax | \$309,500 | \$0 | \$0 | \$135,000 | \$135,000 | \$135,000 | \$135,000 | \$849,500 |
| Total Project Funding Sources | \$309,500 | \$0 | \$0 | \$135,000 | \$135,000 | \$135,000 | \$135,000 | \$849,500 |

| | |
|---|--|
| PROJECT TITLE Traffic Safety Projects | DEPARTMENT/DIVISION Department of Transportation |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

There are a variety of small traffic improvements discovered during the year which need to be made around the City to improve traffic flow and safety. One proposed project includes the replacement of a wooden signal pole with a metal pole and mast at Reynolda Road and the entrance to Wake Forest University. Other projects are identified through safety studies completed during the year. In February 2006, the City Council authorized the levy of an additional \$5 of the motor vehicle privilege tax. The state legislation that authorized this increased fee required that one-third of the proceeds be used for traffic management functions, including congestion management. Funding for these traffic safety projects would come from this one-third of the proceeds.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$204,300 | \$7,000 | \$0 | \$135,000 | \$135,000 | \$135,000 | \$135,000 | \$751,300 |
| Total Project Expenditures | \$204,300 | \$7,000 | \$0 | \$135,000 | \$135,000 | \$135,000 | \$135,000 | \$751,300 |
| Funding Sources | | | | | | | | |
| Motor Vehicle Privilege Tax | \$204,300 | \$7,000 | \$0 | \$135,000 | \$135,000 | \$135,000 | \$135,000 | \$751,300 |
| Total Project Funding Sources | \$204,300 | \$7,000 | \$0 | \$135,000 | \$135,000 | \$135,000 | \$135,000 | \$751,300 |

| | |
|---|---|
| PROJECT TITLE Fixed Route Bus Replacement | DEPARTMENT/DIVISION Winston-Salem Transit Authority |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

The Federal Transit Administration (FTA) has determined that the useful life of a fixed route bus is 12 years. This project provides for the regular replacement of these buses as they reach the end of their useful lives. For FY 13-14, the FTA would pay 85% of the cost, NCDOT would pay 7.5%, and the City would pay the remaining 7.5% share. The capital plan would fund the City's match from the mass transit tax fund. Future purchases would be provided for under an 80%/10%/10% arrangement.

The transit authority has developed the following replacement schedule for these buses. These buses will have been in operation for 12 years when they are replaced. The transit authority will apply for additional federal funding in order to replace buses according to the schedule shown below.

| | Bus Replacement Schedule | | | | | |
|---------------------|---------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | FY 13-14 | FY 14-15 | FY 15-16 | FY 16-17 | FY 17-18 | FY 18-19 |
| Replacements | 9 | 15 | 0 | 0 | 0 | 0 |
| Funded | 9 | 0 | 0 | 0 | 0 | 0 |
| Unfunded | 0 | 15 | 0 | 0 | 0 | 0 |

The number of buses that actually would be replaced will depend on the availability of these federal grants and local matching funds.

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|---|----------------------|----------------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Equipment | \$15,398,750 | \$4,644,710 | \$9,461,110 | \$0 | \$0 | \$0 | \$0 | \$29,504,570 |
| Total Project Expenditures | \$15,398,750 | \$4,644,710 | \$9,461,110 | \$0 | \$0 | \$0 | \$0 | \$29,504,570 |
| Funding Sources | | | | | | | | |
| Federal Transit Administration | \$14,452,870 | \$3,948,010 | \$7,568,890 | \$0 | \$0 | \$0 | \$0 | \$25,969,770 |
| North Carolina Department of Transportation | 472,940 | 348,350 | 946,110 | 0 | 0 | 0 | 0 | 1,767,400 |
| Mass Transit Tax Fund Reserves | 183,800 | 348,350 | 946,110 | 0 | 0 | 0 | 0 | 1,478,260 |
| Motor Vehicle Privilege Tax | 289,140 | 0 | 0 | 0 | 0 | 0 | 0 | 289,140 |
| Total Project Funding Sources | \$15,398,750 | \$4,644,710 | \$9,461,110 | \$0 | \$0 | \$0 | \$0 | \$29,504,570 |

| | |
|---|---|
| PROJECT TITLE Passenger Amenities | DEPARTMENT/DIVISION Winston-Salem Transit Authority |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

The Federal Transit Administration would pay 80% of the cost of passenger amenities such as bus shelters, and the City would pay the remaining 20% share out of the mass transit tax fund. The transit authority plans to use these funds to purchase bus shelters. The route and schedule committee would determine the locations for new shelters.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|-------------------------|----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Equipment and Furnishings | \$179,620 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$399,880 |
| Total Project Expenditures | \$179,620 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$399,880 |
| Funding Sources | | | | | | | | |
| Federal Transit Administration | \$143,700 | \$29,370 | \$29,370 | \$29,370 | \$29,370 | \$29,370 | \$29,370 | \$319,920 |
| Mass Transit Tax Fund Reserves | 35,920 | 7,340 | 7,340 | 7,340 | 7,340 | 7,340 | 7,340 | 79,960 |
| Total Project Funding Sources | \$179,620 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$399,880 |

| | |
|---|---|
| PROJECT TITLE Security Enhancements | DEPARTMENT/DIVISION Winston-Salem Transit Authority |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

The Federal Transit Administration would pay 80% of the cost of security enhancements such as cameras, lighting, and metal detectors. The City would pay the remaining 20% share out of the mass transit tax fund.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Equipment and Furnishings | \$266,620 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$486,880 |
| Total Project Expenditures | \$266,620 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$486,880 |
| Funding Sources | | | | | | | | |
| Federal Transit Administration | \$213,300 | \$29,370 | \$29,370 | \$29,370 | \$29,370 | \$29,370 | \$29,370 | \$389,520 |
| Mass Transit Tax Fund Reserves | 53,320 | 7,340 | 7,340 | 7,340 | 7,340 | 7,340 | 7,340 | 97,360 |
| Total Project Funding Sources | \$266,620 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$36,710 | \$486,880 |

| | |
|---|---|
| PROJECT TITLE Trans-AID Vehicle Replacement | DEPARTMENT/DIVISION Winston-Salem Transit Authority |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

The Federal Transit Administration (FTA) has determined that the useful life of a paratransit bus is seven years or 200,000 miles. This project provides for the regular replacement of vehicles used to transport the elderly and disabled. Under the Americans with Disabilities Act, transit systems must provide transportation services for disabled individuals. For future years, the transit authority plans to use FTA capital grant funds to replace buses. For FY 13-14, the FTA would pay 90% of the cost of these buses with the City paying the remaining 10% of the cost. Future purchases would be provided for under an 80%/10%/10% arrangement in which the North Department of Transportation would contribute a 10% matching grant.

The transit authority has developed the following replacement schedule for these buses.

| | Trans-AID Bus Replacement Schedule | | | | | |
|---------------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| | FY 13-14 | FY 14-15 | FY 15-16 | FY 16-17 | FY 17-18 | FY 18-19 |
| Replacements | 6 | 0 | 0 | 19 | 0 | 0 |
| Funded | 6 | 0 | 0 | 0 | 0 | 0 |
| Unfunded | 0 | 0 | 0 | 19 | 0 | 0 |

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|---|----------------------|----------------------------------|-------------------|-------------------|--------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Equipment | \$4,816,140 | \$750,000 | \$0 | \$0 | \$2,394,000 | \$0 | \$0 | \$7,960,140 |
| Total Project Expenditures | \$4,816,140 | \$750,000 | \$0 | \$0 | \$2,394,000 | \$0 | \$0 | \$7,960,140 |
| Funding Sources | | | | | | | | |
| Federal Transit Administration | \$3,930,900 | \$675,000 | \$0 | \$0 | \$1,915,200 | \$0 | \$0 | \$6,521,100 |
| North Carolina Department of Transportation | 364,220 | 0 | 0 | 0 | 239,400 | 0 | 0 | 603,620 |
| Mass Transit Tax Fund Reserves | 521,020 | 75,000 | 0 | 0 | 239,400 | 0 | 0 | 835,420 |
| Total Project Funding Sources | \$4,816,140 | \$750,000 | \$0 | \$0 | \$2,394,000 | \$0 | \$0 | \$7,960,140 |

| | |
|---|---|
| PROJECT TITLE Transit Equipment Replacement | DEPARTMENT/DIVISION Winston-Salem Transit Authority |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the replacement of administrative vehicles, communications equipment, and Maintenance Department equipment. The Federal Transit Administration would provide funding to cover 80% of the cost, and the City would pay the remaining 20% share out of the mass transit tax fund.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|---|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Equipment | \$701,000 | \$439,000 | \$200,000 | \$0 | \$0 | \$252,000 | \$0 | \$1,592,000 |
| Total Project Expenditures | \$701,000 | \$439,000 | \$200,000 | \$0 | \$0 | \$252,000 | \$0 | \$1,592,000 |
| Funding Sources | | | | | | | | |
| Federal Transit Administration | \$608,000 | \$351,190 | \$160,000 | \$0 | \$0 | \$201,600 | \$0 | \$1,320,790 |
| North Carolina Department of Transportation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mass Transit Tax Fund Reserves | 93,000 | 87,810 | 40,000 | 0 | 0 | 50,400 | 0 | 271,210 |
| Total Project Funding Sources | \$701,000 | \$439,000 | \$200,000 | \$0 | \$0 | \$252,000 | \$0 | \$1,592,000 |

| | |
|--|---|
| PROJECT TITLE Transit Facility Renovations | DEPARTMENT/DIVISION Winston-Salem Transit Authority |
|--|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for general facility maintenance for the Hampton Haith Administration Building, the Clark Campbell Transportation Center, and the Maintenance Department. The Federal Transit Administration would provide funding to cover 80% of the cost, and the City would pay the remaining 20% share out of the mass transit tax fund.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$824,560 | \$105,750 | \$344,750 | \$144,750 | \$144,750 | \$292,750 | \$544,750 | \$2,402,060 |
| Total Project Expenditures | \$824,560 | \$105,750 | \$344,750 | \$144,750 | \$144,750 | \$292,750 | \$544,750 | \$2,402,060 |
| Funding Sources | | | | | | | | |
| Federal Transit Administration | \$659,630 | \$84,600 | \$275,800 | \$115,800 | \$115,800 | \$234,200 | \$435,800 | \$1,921,630 |
| Mass Transit Tax Fund Reserves | 164,930 | 21,150 | 68,950 | 28,950 | 28,950 | 58,550 | 108,950 | 480,430 |
| Total Project Funding Sources | \$824,560 | \$105,750 | \$344,750 | \$144,750 | \$144,750 | \$292,750 | \$544,750 | \$2,402,060 |

| | |
|---|---|
| PROJECT TITLE Transit Vehicle Maintenance | DEPARTMENT/DIVISION Winston-Salem Transit Authority |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

The Federal Transit Administration would pay 80% of the cost of major vehicle parts. The City would pay the remaining 20% share out of the mass transit tax fund.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|---|-------------------------|----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Equipment and Furnishings | \$1,354,970 | \$100,000 | \$100,000 | \$500,000 | \$500,000 | \$100,000 | \$100,000 | \$2,754,970 |
| Contingency | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Project Expenditures | \$1,354,970 | \$100,000 | \$100,000 | \$500,000 | \$500,000 | \$100,000 | \$100,000 | \$2,754,970 |
| Funding Sources | | | | | | | | |
| Federal Transit Administration | \$1,083,980 | \$80,000 | \$80,000 | \$400,000 | \$400,000 | \$80,000 | \$80,000 | \$2,203,980 |
| North Carolina Department of Transportation | 35,300 | 0 | 0 | 0 | 0 | 0 | 0 | 35,300 |
| Mass Transit Tax Fund Reserves | 235,690 | 20,000 | 20,000 | 100,000 | 100,000 | 20,000 | 20,000 | 515,690 |
| Total Project Funding Sources | \$1,354,970 | \$100,000 | \$100,000 | \$500,000 | \$500,000 | \$100,000 | \$100,000 | \$2,754,970 |



Recreation and Culture

| | |
|--|-----|
| Expenditure and Funding Source Summary | 93 |
| Recreation Facilities/Parks Renovations and Expansions: | |
| Picnic Shelter Renovations/Replacements | 94 |
| Playground Renovations..... | 95 |
| Recreation and Parks Department Facilities Renewal..... | 96 |
| Recreation and Parks Facilities Sidewalk and Roadway Resurfacing | 97 |
| Recreation Facility Lighting..... | 98 |
| Swimming Pool Repairs..... | 99 |
| Winston Lake Golf Course Improvements..... | 100 |
| Greenways and Trails: | |
| Other Greenway Development..... | 101 |
| Convention Center: | |
| Capital Renovations | 102 |



RECREATION AND CULTURE

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|--|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------|
| Recreation Facilities/Parks Renovations and Expansions: | | | | | | | |
| Picnic Shelter Renovations/Replacements | \$0 | \$0 | \$100,000 | \$0 | \$250,000 | \$0 | \$350,000 |
| Playground Renovations | 645,000 | 100,000 | 395,000 | 0 | 500,000 | 0 | 1,640,000 |
| Recreation and Parks Department Facilities Renewal | 485,000 | 0 | 350,000 | 0 | 335,000 | 0 | 1,170,000 |
| Recreation and Parks Facilities Sidewalk and Roadway Resurfacing | 100,000 | 0 | 0 | 0 | 150,000 | 0 | 250,000 |
| Recreation Facility Lighting | 0 | 0 | 200,000 | 0 | 0 | 0 | 200,000 |
| Swimming Pool Repairs | 135,000 | 0 | 435,000 | 0 | 200,000 | 0 | 770,000 |
| Winston Lake Golf Course Improvements | 550,000 | 0 | 200,000 | 0 | 0 | 0 | 750,000 |
| Greenways and Trails: | | | | | | | |
| Other Greenway Development | \$10,500 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$585,500 |
| Entertainment: | | | | | | | |
| Convention Center Capital Renovations | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$1,500,000 |
| Total Expenditures | \$2,175,500 | \$465,000 | \$2,045,000 | \$365,000 | \$1,800,000 | \$365,000 | \$7,215,500 |
| Funding Sources | | | | | | | |
| Bonds: | | | | | | | |
| General Obligation Bonds/Two-Thirds | \$1,815,000 | \$0 | \$1,580,000 | \$0 | \$1,435,000 | \$0 | \$4,830,000 |
| Other: | | | | | | | |
| Motor Vehicle Privilege Tax | \$10,500 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$585,500 |
| North Carolina Municipal Leasing Corporation | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,500,000 |
| Contributions/Sponsorships | 100,000 | 100,000 | 100,000 | 0 | 0 | 0 | 300,000 |
| Total Funding Sources | \$2,175,500 | \$465,000 | \$2,045,000 | \$365,000 | \$1,800,000 | \$365,000 | \$7,215,500 |

| | |
|---|---|
| PROJECT TITLE Picnic Shelter Renovations/Replacements | DEPARTMENT/DIVISION Recreation and Parks Department |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the renovation, replacement, and addition of picnic shelters throughout the city. Park locations where new or replacement shelters are needed include Reynolds Park, Miller, Happy Hill, Fairview, Easton, Kimberley, and Blum parks.



FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$40,000 | \$0 | \$0 | \$100,000 | \$0 | \$250,000 | \$0 | \$390,000 |
| Equipment and Furnishings | 130,000 | 0 | 0 | 0 | 0 | 0 | 0 | 130,000 |
| Other-Picnic tables/seating | 10,000 | 0 | 0 | 0 | 0 | 0 | 0 | 10,000 |
| Contingency | 20,000 | 0 | 0 | 0 | 0 | 0 | 0 | 20,000 |
| Total Project Expenditures | \$200,000 | \$0 | \$0 | \$100,000 | \$0 | \$250,000 | \$0 | \$550,000 |
| Funding Sources | | | | | | | | |
| GO Bonds/Two-Thirds | \$200,000 | \$0 | \$0 | \$100,000 | \$0 | \$250,000 | \$0 | \$550,000 |
| Total Project Funding Sources | \$200,000 | \$0 | \$0 | \$100,000 | \$0 | \$250,000 | \$0 | \$550,000 |

| | |
|--|---|
| PROJECT TITLE Playground Renovations | DEPARTMENT/DIVISION Recreation and Parks Department |
|--|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the replacement and upgrades for playgrounds throughout the parks system. Playgrounds are replaced based on safety assessments, condition of equipment, and overall usage. Appropriations for FY13-14 will complete the following park locations: Forest Park, Bowen/Thomas, Sedge Garden, Washington, and Leinbach. Funding in future years will be used for playground replacements at the following park locations: Crawford, Bolton, Reynolds, Blum, Greenway, Fourteenth Street, Happy Hill, and other parks as determined by condition assessments.



FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$752,000 | \$215,000 | \$30,000 | \$132,000 | \$0 | \$150,000 | \$0 | \$1,279,000 |
| Equipment and Furnishings | 1,259,500 | 430,000 | 70,000 | 263,000 | 0 | 350,000 | 0 | 2,372,500 |
| Contingency | 80,000 | 0 | 0 | 0 | 0 | 0 | 0 | 80,000 |
| Total Project Expenditures | \$2,091,500 | \$645,000 | \$100,000 | \$395,000 | \$0 | \$500,000 | \$0 | \$3,731,500 |
| Funding Sources | | | | | | | | |
| GO Bonds/Two-Thirds | \$1,751,500 | \$545,000 | \$0 | \$295,000 | \$0 | \$500,000 | \$0 | \$3,091,500 |
| Capital Project Reserves | 120,000 | 0 | 0 | 0 | 0 | 0 | 0 | 120,000 |
| Contributions/Sponsorships | 220,000 | 100,000 | 100,000 | 100,000 | 0 | 0 | 0 | 520,000 |
| Total Project Funding Sources | \$2,091,500 | \$645,000 | \$100,000 | \$395,000 | \$0 | \$500,000 | \$0 | \$3,731,500 |

| | |
|--|--|
| PROJECT TITLE Recreation and Parks Department Facilities Renewal | DEPARTMENT/DIVISION Property and Facilities Management |
|--|--|

PROJECT DESCRIPTION/JUSTIFICATION

Under the City’s asset management program, the Property and Facilities Management Department has performed facility condition assessments on all buildings in general fund departments, including the Recreation and Parks Department. A schedule has been established for roof replacements, heating and air conditioning system replacements, painting, replacement of interior components such as flooring and ceiling tiles, refurbishing bathroom and kitchen facilities, and electrical and lighting systems. Facility renewal work scheduled for FY 2013-14 will include: roof replacements at Polo recreation center, recreation warehouse, Mineral Springs, Reynolds Park, and Parkland pool houses, and Granville Park, Washington Park, Hobby Park, Salem Lake, and Carl Russell picnic shelters. FY 13-14 appropriations will also cover HVAC replacements at Reynolds Park and Old Town recreation centers. Additionally, ten restroom roofs will be replaced.



FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$1,662,760 | \$485,000 | \$0 | \$350,000 | \$0 | \$335,000 | \$0 | \$2,832,760 |
| Total Project Expenditures | \$1,662,760 | \$485,000 | \$0 | \$350,000 | \$0 | \$335,000 | \$0 | \$2,832,760 |
| Funding Sources | | | | | | | | |
| General Fund | \$114,150 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$114,150 |
| GO Bonds/Two-Thirds | 1,493,500 | 485,000 | 0 | 350,000 | 0 | 335,000 | 0 | 2,663,500 |
| Capital Project Reserves | 55,110 | 0 | 0 | 0 | 0 | 0 | 0 | 55,110 |
| Total Project Funding Sources | \$1,662,760 | \$485,000 | \$0 | \$350,000 | \$0 | \$335,000 | \$0 | \$2,832,760 |

| | |
|--|---|
| PROJECT TITLE Recreation and Parks Facilities Sidewalk and Roadway Resurfacing | DEPARTMENT/DIVISION Recreation and Parks Department |
|--|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for resurfacing and pavement/sidewalk repairs at recreation facilities throughout the City. Appropriations for FY13-14 will provide for compliance with the Americans with Disabilities Act (ADA) for pavement access to the Bocce area at Miller Park and provide for resurfacing of the pedestrian circulation access areas at Forest and Kimberly Parks. Other facilities in need of paving or resurfacing include the parking lots at Oak Summit, Hine, Rupert Bell, Crawford, Hathaway, South Fork, and Hobby parks and the pathways at Shaffner and Granville parks. Projects will be funded in priority order.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$200,000 | \$100,000 | \$0 | \$0 | \$0 | \$150,000 | \$0 | \$450,000 |
| Total Project Expenditures | \$200,000 | \$100,000 | \$0 | \$0 | \$0 | \$150,000 | \$0 | \$450,000 |
| Funding Sources | | | | | | | | |
| GO Bonds/Two-Thirds | \$200,000 | \$100,000 | \$0 | \$0 | \$0 | \$150,000 | \$0 | \$450,000 |
| Total Project Funding Sources | \$200,000 | \$100,000 | \$0 | \$0 | \$0 | \$150,000 | \$0 | \$450,000 |

| | |
|--|---|
| PROJECT TITLE Recreation Facility Lighting Renovations | DEPARTMENT/DIVISION Recreation and Parks Department |
|--|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for lighting renovations and enhancements to improve safety/security at recreation facilities and park locations, including parking lots, picnic shelters and athletic facilities throughout the City. The lighting improvements will meet suggested/recommended lighting levels.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$605,000 | \$0 | \$0 | \$200,000 | \$0 | \$0 | \$0 | \$805,000 |
| Total Project Expenditures | \$605,000 | \$0 | \$0 | \$200,000 | \$0 | \$0 | \$0 | \$805,000 |
| Funding Sources | | | | | | | | |
| GO Bonds/Two-Thirds | \$605,000 | \$0 | \$0 | \$200,000 | \$0 | \$0 | \$0 | \$805,000 |
| Total Project Funding Sources | \$605,000 | \$0 | \$0 | \$200,000 | \$0 | \$0 | \$0 | \$805,000 |

| | |
|---|---|
| PROJECT TITLE Swimming Pool Repairs | DEPARTMENT/DIVISION Recreation and Parks Department |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for ongoing major maintenance at the City's eight pools. Appropriations for FY 13-14 will be used to purchase a pool cover and sun shade for Bolton and an additional sun shade for Kimberly. Other maintenance priorities include plaster and tiles for the interior of the pools, concrete decking around the pools, and the plumbing systems.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|-------------------------|----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$739,980 | \$135,000 | \$0 | \$435,000 | \$0 | \$200,000 | \$0 | \$1,509,980 |
| Contingency | 40,000 | 0 | 0 | 0 | 0 | 0 | 0 | 40,000 |
| Total Project Expenditures | \$779,980 | \$135,000 | \$0 | \$435,000 | \$0 | \$200,000 | \$0 | \$1,549,980 |
| Funding Sources | | | | | | | | |
| GO Bonds/Two-Thirds | \$770,000 | \$135,000 | \$0 | \$435,000 | \$0 | \$200,000 | \$0 | \$1,540,000 |
| Capital Project Reserves | 9,980 | 0 | 0 | 0 | 0 | 0 | 0 | 9,980 |
| Total Project Funding Sources | \$779,980 | \$135,000 | \$0 | \$435,000 | \$0 | \$200,000 | \$0 | \$1,549,980 |

| | |
|---|---|
| PROJECT TITLE Winston Lake Golf Course Improvements | DEPARTMENT/DIVISION Recreation and Parks / Winston Lake Golf Course |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the replacement of four aging pedestrian/cart bridges and nineteen existing golf course greens at Winston Lake Golf Course. The current bridges are in need of replacement due to decades of erosion and weathering. The current greens are over 50 years old and were built with a life expectancy of 20 to 25 years. During the last several years, prolonged heat and moisture have generated a fungus that has killed the grass on several greens. Without replacement, there is the possibility that the bent grass greens at Winston Lake may become unplayable and the golf course would need to be shut down, resulting in a major loss of revenue. The cost of the greens replacement also includes covers for the greens to use during the winter. Appropriations in FY 13-14 would replace all nineteen greens and two pedestrian/cart bridges.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$0 | \$460,000 | \$0 | \$160,000 | \$0 | \$0 | \$0 | \$620,000 |
| Contingency | 0 | 90,000 | 0 | 40,000 | 0 | 0 | 0 | 130,000 |
| Total Project Expenditures | \$0 | \$550,000 | \$0 | \$200,000 | \$0 | \$0 | \$0 | \$750,000 |
| Funding Sources | | | | | | | | |
| GO Bonds/Two-Thirds | \$0 | \$550,000 | \$0 | \$200,000 | \$0 | \$0 | \$0 | \$750,000 |
| Total Project Funding Sources | \$0 | \$550,000 | \$0 | \$200,000 | \$0 | \$0 | \$0 | \$750,000 |

| | |
|--|---|
| PROJECT TITLE Other Greenway Development | DEPARTMENT/DIVISION Engineering |
|--|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project will create a reserve for future greenway development, using the proceeds from the motor vehicle privilege tax revenue that are allocated for non-vehicular transportation projects. Staff will coordinate with the Transportation Advisory Committee (TAC) and Bicycle and Greenway Planning Sub-Committee to make recommendations and identify state and federal matching funds. Potential options for using these motor vehicle tax revenues over the next six years include: completion of Brushy Fork Greenway, Phase IV from Lowery Street to Salem Creek Greenway (\$215,000); providing additional funds to be able to complete Muddy Creek Greenway, Phase III (\$242,000); Waughtown Connector Greenway (\$1.2 million); Muddy Creek Phase II Greenway (\$1.4 million), and Salem Lake North Greenway (\$1.8 million); and completing the Cedar Trail Connector to Muddy Creek Greenway (\$525,000). Other priorities identified, but without cost estimates include: Phase IV Brushy Fork; Muddy Creek Phase IV; and Lantern Ridge Connector to Muddy Creek Greenway.



FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$1,044,350 | \$10,500 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$1,629,850 |
| Total Project Expenditures | \$1,044,350 | \$10,500 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$1,629,850 |
| Funding Sources | | | | | | | | |
| Motor Vehicle Privilege Tax | \$1,044,350 | \$10,500 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$1,629,850 |
| Total Project Funding Sources | \$1,044,350 | \$10,500 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$115,000 | \$1,629,850 |

| | |
|---|--|
| PROJECT TITLE Convention Center Capital Renovations | DEPARTMENT/DIVISION M.C. Benton, Jr. Convention and Civic Center |
|---|--|

PROJECT DESCRIPTION/JUSTIFICATION

The Operating and Management Agreement with Noble-Interstate, LLC includes a provision for the City to provide a \$250,000 contribution towards identified capital expenses annually. These improvements will be financed over five years through the North Carolina Municipal Leasing Corporation, with the general fund covering the annual payment. The FY 2013-14 contribution was budgeted in FY 2012-13 to fund internet technology improvements.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Construction | \$875,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$2,375,000 |
| Total Project Expenditures | \$875,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$2,375,000 |
| Funding Sources | | | | | | | | |
| NCMLC | \$750,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$2,250,000 |
| Capital Projects Fund Reserves | 125,000 | 0 | 0 | 0 | 0 | 0 | 0 | 125,000 |
| Total Project Funding Sources | \$875,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$2,375,000 |
| OPERATING IMPACT: | | | | | | | | |
| Lease Payments | \$150,000 | \$200,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$1,600,000 |
| Total Net Expenditures | \$150,000 | \$200,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$1,600,000 |

Interdepartmental Services

| | |
|---|-----|
| Expenditure and Funding Source Summary | 105 |
| Engineering: | |
| Lowery Street Facility Construction - Phase I | 106 |
| Property and Facilities Management: | |
| Automated Vehicle Locators (AVL) | 107 |
| Information Systems: | |
| Fiber Optic Upgrade | 108 |



INTERDEPARTMENTAL SERVICES

| Project Title | Budget Year 2013-2014 | Planning Year 2014-2015 | Planning Year 2015-2016 | Planning Year 2016-2017 | Planning Year 2017-2018 | Planning Year 2018-2019 | Total Planned |
|---|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------|
| Engineering: | | | | | | | |
| Lowery Street Facility Construction - Phase I | \$14,000,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$14,000,000 |
| Property and Facilities Management: | | | | | | | |
| Automated Vehicle Locators (AVL) | \$492,320 | \$0 | \$0 | \$0 | \$0 | \$0 | \$492,320 |
| Information Systems: | | | | | | | |
| Fiber Optic Upgrade | \$300,000 | \$1,550,000 | \$0 | \$0 | \$0 | \$0 | \$1,850,000 |
| Total Expenditures | \$14,792,320 | \$1,550,000 | \$0 | \$0 | \$0 | \$0 | \$16,342,320 |
| Funding Sources | | | | | | | |
| Other: | | | | | | | |
| Limited Obligation Bonds | \$14,000,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$14,000,000 |
| Registered Motor Vehicle Property Tax | 492,320 | 0 | 0 | 0 | 0 | 0 | 492,320 |
| Contributions/Sponsorships | 0 | 536,840 | 0 | 0 | 0 | 0 | 536,840 |
| I.S. Fund Balance Appropriation | 300,000 | 300,000 | 0 | 0 | 0 | 0 | 600,000 |
| General Fund Balance Appropriation | 0 | 539,480 | 0 | 0 | 0 | 0 | 539,480 |
| Water and Sewer Fund Balance | 0 | 173,680 | 0 | 0 | 0 | 0 | 173,680 |
| Total Funding Sources | \$14,792,320 | \$1,550,000 | \$0 | \$0 | \$0 | \$0 | \$16,342,320 |

| | |
|---|---|
| PROJECT TITLE Lowery Street Facility Construction - Phase I | DEPARTMENT/DIVISION Engineering |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project provides for the retrofit of part of the recently acquired Lowery Street facility. The project includes renovations to the existing building shell as well as major interior upfits to move departments, currently operating at City Yard, that will be affected by the construction of the Salem Creek Connector project managed by the North Carolina Department of Transportation. Operations that will be housed in the Lowery Street Facility through Phase I will include Sanitation, Engineering, and Employee Medical Services as well as facilities for Employee Training.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Planning/Design/Engineering | \$0 | \$1,055,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,055,000 |
| Construction | 0 | 11,166,270 | 0 | 0 | 0 | 0 | 0 | 11,166,270 |
| Equipment and Furnishings | 0 | 775,000 | 0 | 0 | 0 | 0 | 0 | 775,000 |
| Contingency | 0 | 1,003,730 | 0 | 0 | 0 | 0 | 0 | 1,003,730 |
| Total Project Expenditures | \$0 | \$14,000,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$14,000,000 |
| Funding Sources | | | | | | | | |
| Limited Obligation Bonds | \$0 | \$14,000,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$14,000,000 |
| Total Project Funding Sources | \$0 | \$14,000,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$14,000,000 |

| | |
|--|---|
| PROJECT TITLE Automated Vehicle Locators (AVL) | DEPARTMENT/DIVISION Property and Facilities Management/Fleet Services |
|--|---|

PROJECT DESCRIPTION/JUSTIFICATION

This project would provide funding for the purchase and installation of Automated Vehicle Location (AVL) equipment on approximately 1,200 city vehicles. AVL equipment and software would allow City departments to make management decisions about routing and vehicle assignments based on up-to-date information. This equipment could help reduce fuel consumption and provide efficiencies in consolidating work assignments. This project is being funded from a one-time increase in Registered Motor Vehicle (RMV) property tax revenues related to State's new "Tag and Tax Together" collection program.

FINANCIAL SUMMARY:

| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | Grand Total |
|--------------------------------------|---------------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--------------------|
| Expenditures | | | | | | | | |
| Equipment & Furnishings | \$0 | \$482,670 | \$0 | \$0 | \$0 | \$0 | \$0 | \$482,670 |
| Contingency | 0 | 9,650 | 0 | 0 | 0 | 0 | 0 | 9,650 |
| Total Project Expenditures | \$0 | \$492,320 | \$0 | \$0 | \$0 | \$0 | \$0 | \$492,320 |
| Funding Sources | | | | | | | | |
| RMV Property Tax | \$0 | \$492,320 | \$0 | \$0 | \$0 | \$0 | \$0 | \$492,320 |
| Total Project Funding Sources | \$0 | \$492,320 | \$0 | \$0 | \$0 | \$0 | \$0 | \$492,320 |
| OPERATING IMPACT: | | | | | | | | |
| Supplies and Services | \$0 | \$267,600 | \$356,800 | \$356,800 | \$356,800 | \$356,800 | \$356,800 | \$2,051,600 |
| Lease Payments | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less Fuel/Maintenance Savings | 0 | -45,570 | -45,570 | -45,570 | -45,570 | -45,570 | -45,570 | -273,420 |
| Total Net Expenditures | \$0 | \$267,600 | \$356,800 | \$356,800 | \$356,800 | \$356,800 | \$356,800 | \$2,051,600 |

| | |
|---|---|
| PROJECT TITLE Fiber Optic Upgrade | DEPARTMENT/DIVISION Information Systems |
|---|---|

PROJECT DESCRIPTION/JUSTIFICATION

The Winston-Salem City Council approved on January 18, 2011 to enter into an agreement with the North Carolina Department of Transportation (NCDOT) for the modernization, rehabilitation, and expansion of the Winston-Salem Computerized Traffic Signal System utilizing Congestion Mitigation and Air Quality (CMAQ) funds. NCDOT agreed to include in the scope, at the cost of Winston-Salem, the installation of City owned fiber optic cable. On August 15, 2011 Council approved this installation of City owned fiber optic cable that will allow Information Systems to expand the city's network. The cost of the additional work is estimated at \$1,500,000. Reimbursement will not be due until completion of the project, which is estimated to be in 2015. The NCDOT Project plan splits the effort into Phase A (initial construction) and Phase B (connections to facilities). Phase A will create 95 locations for connections, 34 Winston-Salem/Forsyth County school locations, 11 City/County Utility locations, and 50 City of Winston-Salem connections. Each agency will contribute the proportional cost of initial construction of the network. Phase B will connect the network to City and City/County Utility facilities, at an estimated cost of \$500,000. The school system will be responsible for their own connections.

FINANCIAL SUMMARY:

| | Prior Years | Planned Appropriations 2014-2019 | | | | | | Grand Total |
|--------------------------------------|----------------------|----------------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Total Approp To Date | Budget FY 13-14 | Planning FY 14-15 | Planning FY 15-16 | Planning FY 16-17 | Planning FY 17-18 | Planning FY 18-19 | |
| Expenditures | | | | | | | | |
| Equipment and Furnishings | \$150,000 | \$300,000 | \$1,550,000 | \$0 | \$0 | \$0 | \$0 | \$2,000,000 |
| Total Project Expenditures | \$150,000 | \$300,000 | \$1,550,000 | \$0 | \$0 | \$0 | \$0 | \$2,000,000 |
| Funding Sources | | | | | | | | |
| Contributions/Sponsorships | \$0 | \$0 | \$536,840 | \$0 | \$0 | \$0 | \$0 | \$536,840 |
| I.S. Fund Balance Appropriation | 0 | 300,000 | 300,000 | 0 | 0 | 0 | 0 | 600,000 |
| General Fund Balance Appropriation | 0 | 0 | 539,480 | 0 | 0 | 0 | 0 | 539,480 |
| Other (IS Charges) | 150,000 | 0 | 0 | 0 | 0 | 0 | 0 | 150,000 |
| Water and Sewer Fund Balance | 0 | 0 | 173,680 | 0 | 0 | 0 | 0 | 173,680 |
| Total Project Funding Sources | \$150,000 | \$300,000 | \$1,550,000 | \$0 | \$0 | \$0 | \$0 | \$2,000,000 |
| OPERATING IMPACT: | | | | | | | | |
| Supplies and Services | \$0 | \$0 | -\$90,000 | \$0 | \$0 | \$0 | \$0 | -\$90,000 |
| Total Net Expenditures | \$0 | \$0 | -\$90,000 | \$0 | \$0 | \$0 | \$0 | -\$90,000 |

Other Capital Needs

Unfunded Capital Projects

| | |
|---|-----|
| Unfunded Community and Economic Development Capital Projects..... | 111 |
| Unfunded Public Safety Capital Projects..... | 113 |
| Unfunded Transportation Capital Projects..... | 117 |
| Unfunded Recreation and Culture Capital Projects | 121 |
| Unfunded Interdepartmental Services Capital Projects | 128 |



UNFUNDED PROJECT DESCRIPTIONS AND COST ESTIMATES

COMMUNITY AND ECONOMIC DEVELOPMENT

Research Park Southern Expansion **\$15,000,000**
This project would provide for other infrastructure needs associated with the expansion of the Wake Forest Innovation Quarter toward the south end of downtown.

Housing/Neighborhood Development **\$6,000,000**
This project provides for acquisition, relocation, demolition, and property maintenance disposition of land acquired for redevelopment or acquisition of raw land for new housing production of single-family subdivisions for homeownership.

Economic Development Sites/Infrastructure **\$6,000,000**
The City's Strategic Plan directed staff to "prepare a study of the local economy and workforce." A result of that study, the need for developing additional industrial parks and business park sites, similar to Union Cross Industrial Park and the Caterpillar site, was identified. Staff, in conjunction with the Utility Commission and Winston-Salem Business, Inc., have identified potential sites where future industrial or business parks could be located. The most promising of these appear to be in the southeast section of the city. The funds would be used for land purchase and site infrastructure development such as grading, water and sewer line construction, and road construction.

Economic Development Road Projects **\$3,200,000**
This project provides for the construction of roadways to serve new business parks or other investments that would support business relocations or the expansion of existing businesses.

Downtown Development/Civic Plaza **\$3,000,000**
This project would provide funds for the development of new downtown office sites, research park sites, residential sites, and infrastructure including the creation of a public park and plaza between Third and Fourth Streets near Trade Street and other center city development. The park could include performance space, a public garden and park, and underground parking. The Trade Street Strollway/Overpass over Third Street also could be removed. As called for in the Downtown Master Plan, Downtown would become the city's "living room" where residents and visitors would enjoy music performances, festivals, and special events, as well as simply relaxing in a park-like setting.

Brookwood Business Park (Phase II) **\$2,500,000**
The Brookwood Business Park is a 45 acre, City-owned industrial park located near Smith Reynolds Airport. Phase I site and infrastructure development (road, water, sewer, and site grading) has been completed on the first 20 acres. One building has been completed and occupied, and a second building is under construction. Additional funding will be needed to complete the infrastructure work for the rest of the park.

COMMUNITY AND ECONOMIC DEVELOPMENT - Continued

Neighborhood Revitalization

\$2,000,000

This project would provide for investments in the revitalization of existing neighborhoods within the city. Revitalization efforts would include improvements in public infrastructure such as roads, sidewalks, and utilities, as well as the acquisition of properties for redevelopment. Funds also may be used to provide direct, deferred payment loans through the City's Revitalizing Urban Commercial Areas Program and the Neighborhood Revitalization Strategy Area (NRSA) Building Rehabilitation Loan Program.

Revitalizing Urban Commercial Area (RUCA's) Projects

\$2,000,000

This project provides for site improvements to businesses in targeted urban commercial areas deemed to be economically distressed. For FY 10-11, these funds come from the reimbursement of Dell economic incentive projects, to be used for improvements, grants, and low interest loans to small business owners. Individual grants will require City Council approval, on a case-by-case basis.

Downtown Building Rehabilitation Loan Program

\$200,000

The Downtown Building Rehabilitation Loan Program, previously known as the Facade Improvement Program, is the primary source of building improvement assistance to small businesses and property owners in the downtown area. The program provides direct, deferred payment loans to business owners or property owners interested in rehabilitating the facades of older downtown buildings. Loan money can also be used for certain interior improvements to comply with current building codes and for roof repairs. For every dollar of public money used, nine dollars in private money was invested in buildings receiving this assistance.

Neighborhood Revitalization Strategy Area (NRSA) Building Rehabilitation Loan Program

\$200,000

The Neighborhood Revitalization Strategy Area (NRSA) Building Rehabilitation Loan Program is the primary source of building improvement assistance to small businesses and property owners in the NRSA area. The program provides direct, deferred payment loans to business owners or property owners interested in rehabilitating older buildings. Loan money can also be used for certain interior improvements to comply with current building codes and for roof repairs.

TOTAL COMMUNITY AND ECONOMIC DEVELOPMENT:

\$40,100,000

PUBLIC SAFETY

Public Safety Center Temporary Relocation and Renovation

\$48,000,000

Due to the age and condition of the existing mechanical, electrical, and plumbing systems within the existing Public Safety Center, it is necessary to vacate the building to allow a complete rehabilitation and upfit. Due to the magnitude of this undertaking several options are under consideration, which include refurbishing the existing Public Safety Center with underground hardened facilities, a separate mechanical tower, as well as renovation of the existing space. Other facilities under consideration are the Beaty Center, the Lowery Street facility (future home of the City Public Works Yard), and the Phillips Building, currently under renovation by Forsyth County.

Public Safety Facilities Upgrades

\$34,900,000

This project would provide funding to implement recommendations from a recently completed public safety needs assessment. The study includes assessment and analysis of multiple existing and potential facilities, personnel allocation, collocation needs, as well as development of current and future needs for all city Public Safety functions: Emergency Management, Fire and Police.

Police District Facilities (3)

\$13,950,000

In an effort to enhance the delivery of police services, reduce administrative costs, increase police presence and interactions, and assist with economic development of areas of the city, it is proposed that three full service police district facilities be built. These facilities would be located away from downtown and police headquarters, and be located in the geographic districts the specific facility serves. They would house the complete patrol function for that specific district and be capable of housing other police operations and units as may be deemed beneficial to overall service delivery. Public access and use would be designed into the facility as might be some type of community recreational capacity (playground, etc.).

Public Safety Building Renovations and Carbon Footprint Reduction

\$10,000,000

The Property and Facilities Management Department has performed a facility condition assessment of the 26 year old Public Safety Center. The main building systems are obsolete, overloaded, and inefficient and are increasingly likely to fail. Modernizing the mechanical and electrical systems at the Public Safety Center is required as soon as possible, as these major building systems are reaching a critical point in a critical facility. Specific facility needs include: total HVAC replacement, electrical system and lighting upgrades, upgrades to the generator to meet current needs, replacement and upgrades to fire alarm and building security systems, upgrades to bathrooms and plumbing system, carpet replacement, painting, and exterior repairs. One of the goals of this project is to make facility improvements that would result in energy savings, thus reducing the City's carbon footprint. The Community Sustainability Program Committee would work with staff on identifying measures to achieve these reductions. Significant space planning and design engineering work would be required for this project, including relocating most building personnel during the interior construction period. To replace the current structure with a new building would cost approximately \$30 million.

PUBLIC SAFETY - Continued

Emergency Operations Center and 911 Center

\$6,000,000

A new Communications Center that meets recent and current standards is needed. The current facility is limited due to size and overall Public Safety Center mechanical and utilities issues. This project would create a state-of-the-art communications center that would include a City (and possibly County) emergency operations center. The City's City Link/311 operation could also be located within the facility to leverage resources.

The communications center is responsible for police and fire communications operations and is linked with the County for EMS services and utilizes a common radio system and backbone. The facility would need parking and would occupy approximately three acres. It is preferred that the structure be a stand alone facility housing all the operations indicated. Due to the expense of meeting stringent requirements for a communications center/EOC, a stand alone facility may be the best option. It would contain approximately 10,000 to 15,000 square feet, would be structurally capable of withstanding significant wind loads, pressures, etc. as outlined in applicable guidelines. It would have the capability to be completely self-sufficient for at least 72 hours. This includes all power needs, water, sewer, food, purified air, etc. It would include space for the dispatch floor, administrative offices, reception area, restrooms with showers and lockers, kitchen area, utilities areas for phone and computers, fitness area, several conference rooms, training room, bunk room, emergency operations floor with break out rooms, space for City Link, media connections and briefing room, executive work areas, and full security systems. It should be approved and platted for an expansion area of approximately 5,000 square feet. Secured parking would be required.

Police Driving Pad, Road Course, and Decision Making Village

No estimate

This project is a multi-part project that is designed to meet existing needs and enhance the skill sets of officers and other identified personnel. Police officers and other police personnel spend a great deal of time operating vehicles of various types. The predominant vehicle is a marked police cruiser, but others are unmarked vehicles, motorcycles, bicycles, and various specialty vehicles including vans and trucks. A comprehensive driving skills program is required to maintain safe operations and reduce liability exposure. The driving pad provides minimum training facilities. A road course provides a more realistic environment in which to learn, monitor, and enhance driving skills. The decision making village is an area in which other skills can be learned, monitored and enhanced such as when to use various tactics and techniques. It provides an environment for the complete range of skills to be used in a dynamic learning scenario and environment. Driving Pad would be approx 600 feet by 600 feet, asphalt pad, preferably capable of being wetted for skid training. The road course would consist of two lane roads (mostly asphalt) with turns, intersections, curves, super-elevations, etc. Normal roadway type items such as signs would be present. These two items would require classrooms, restrooms, storage, break rooms, etc. to support a training operation. The decision making village would be an asphalt roadway with false store fronts (wooden) of various building types. The roadway would have curbs with normal streetscape amenities. There would also be an adjacent area for cover training. This area would be suitable for paint ball type ammunition (simulation-type use). A storage area, work area, and classroom would also be required. All areas would require lighting that could be controlled, and full utilities.

PUBLIC SAFETY - Continued

Al Beaty Public Safety Training and Support Center - Phase II

\$3,000,000

This project would provide for the continued development of the Al Beaty Public Safety Training and Support Center. Future uses would need to be considered as a part of the facilities space study.

Fire Station Expansions and Additions (Other Station Remodeling)

\$5,076,000

This project funds the expansion and construction of additions to Stations 1, 7, 8, and 9.

Fire Station #1

\$263,000

This renovation includes the expansion of the kitchen to accommodate present personnel needs (12-15 people). This facility is also utilized for different functions, such as department-wide meetings and gatherings; used for community functions as well.

Fire Station #7

\$1,730,000

The response areas are located around the Hanes Town area, Stratford Rd, and Bethesda Rd. The station houses two units, Engine 7 and Rescue 1, staffed by the same company. Renovations include expanding the kitchen and remodeling the sitting area and living spaces in the present building. A new garage will need to be constructed at the rear of the building along with paving for a driveway. The new configuration will allow fire personnel to enter and exit off of Country Club Road instead of Arbor Road.

Fire Station #8

\$2,681,000

This project involves rebuilding Station #8 on Reynolda Road near Wake Forest University to meet present fire department needs. This would be a new building with two garage bays. There are limitations to the remodeling capability due to the size of the lot, so the project may require the existing structure to be demolished and a new facility to be built. Wake Forest is also considering donating property for a new facility. The current station cannot accommodate females and does not meet ADA needs. The size of the engine room bay will not accommodate certain fire apparatus. Remodeling the present station is not practical due to the construction type.

Fire Station #9

\$402,000

This renovation includes the addition of garage on north end of the station and the addition of individual bedroom spaces on the south end of the station. A new engine bay would be added to allow placement of ladder unit and to meet ADA and NFPA standards.

Fire Maintenance Facility Renovation

\$848,000

This project involves the construction of an addition to the present Fire Maintenance facility at 761 Palmer Lane. The project involves adding two long bays with lifts at 55' to 60' in length that will accommodate our longer fire apparatus. The facility will also include extra space for storage, office, and area that will support maintenance services for helmet repair, SCBA servicing, electrical repair, small engine repair, and nozzle repair.

PUBLIC SAFETY - Continued

Skills Enhancement Center

\$419,000

This skills enhancement facility would be designed to allow firefighters to receive improved, hands-on training without having to travel to a facility outside of Winston-Salem. Currently the department does not have a location to conduct short duration hands-on training or to conduct simulated scenarios that is essential to be successful in the multiple disciplines that are provided by the fire department. The multifunctional design includes moveable walls within the training facility that can be reconfigured to create a wide variety of drill scenarios. Firefighters would use this facility for drills on laddering, hose evolutions, search and rescue, fire suppression tactics, forcible entry, firefighter safety and survival, rescue drills, including rappelling and wall breaching, ventilation, ladder company operations, and many other firefighting skills. Police and Fire will be able to train on hostage, suicide, and clandestine lab incidents. The fitness program and combat challenge team will be able to use this structure for training and development.

TOTAL PUBLIC SAFETY:

\$122,193,000

TRANSPORTATION

Road Widening **\$109,800,000**

The Winston-Salem Department of Transportation has identified the following locations that would be candidates for widening based on an evaluation of traffic volumes, capacity, and safety. State funding may be available for several of these improvements.

| | |
|--|--------------|
| Shattalon Drive (Reynolda to Robinhood) | \$13,500,000 |
| Clemmons Road (Stratford to Old Salisbury) | \$13,300,000 |
| Ebert Road (Oak Grove to City Limits) | \$12,600,000 |
| Old Salisbury Road (Pope to NC150) | \$12,600,000 |
| Kernersville Road (High Point to Oak Grove) | \$8,200,000 |
| University Parkway (North Point to Hanes Mill/6 lanes entire length) | \$8,000,000 |
| Griffith Road (Hanes Mall to City Limits) | \$7,700,000 |
| Robinhood Road (Huntinggreen to Muddy Creek) | \$6,900,000 |
| Thomasville Road (I-40 to City Limits) | \$6,100,000 |
| Cherry Street / Germanton Road (Indiana to Patterson) | \$5,400,000 |
| Ogburn Avenue. (Akron to Oak Summit) | \$5,400,000 |
| Lansing Drive (Liberty to Oak Ridge) | \$4,900,000 |
| Reynolds Park Road (Salem Lake to Waughtown) | \$2,800,000 |
| Country Club Road (Phillips Bridge to City Limits) | \$2,400,000 |

New Street Resurfacing **\$76,000,000**

The City of Winston-Salem maintains 1,013.52 centerline miles (2,180 lane miles) of hard surface streets and 6.62 miles of dirt streets. The funds provided in this project will allow for resurfacing in an amount sufficient to bring the average “pavement condition rating” up to an 85% level, the objective of the department.

Northern Beltway Business I-40 to US 158 Segment (local match) **\$47,670,000**

This project provides local funding for the first segment of the east leg of the Northern Beltway project, which would run from Business I-40 north to US 158.

Streetcar System (25% Match) **\$16,500,000**

This project would provide the City’s local match for federal funding for the design and operation of a street car operation. The first phase of the streetcar system would run from Wake Forest Baptist Medical Center to downtown Winston-Salem. The two and a half mile system would include several funding sources including federal funds, City funds, private participation, and tax increment financing. The City’s share of the total project cost (\$65,820,000) would depend on the amount of private participation and federal dollars available.

TRANSPORTATION – Continued

Sidewalks, Greenways, and Bicycle Accommodations

\$9,000,000

This project would provide for additional investments in the City’s pedestrian transportation infrastructure, including the construction of new sidewalks, greenways, and bike paths. This project also would provide for the installation of ramps to accommodate the disabled as needed to comply with the Americans with Disabilities Act (ADA). New sidewalks are constructed based on a priority system, while ramps are installed in high priority areas and as requested by persons with disabilities. Identified projects for new greenway development include Cedar Trail Connector Greenway, which would connect to Muddy Creek Greenway; Waughtown Connector Greenway; Muddy Creek Phase 2 Greenway, and Salem Lake North Greenway. Other high priority locations identified include: Phase IV Brushy Fork; Muddy Creek Phase IV, and; Lantern Ridge Connector to Muddy Creek Greenway. This project also would provide for the construction of additional bike lanes and paths in an effort to link neighborhoods with public amenities such as parks and to provide alternatives to vehicular transportation.

Sidewalk Construction/Repairs (including ADA ramps)

\$9,000,000

This project provides funding for the construction of new sidewalks and the maintenance/repair of existing sidewalks. This project also provides for the installation of ramps to accommodate the disabled as needed to comply with the Americans with Disabilities Act (ADA). New sidewalks are constructed based on a priority system. Ramps are installed in high priority areas and as requested by persons with disabilities. Sidewalks that are in poor condition are both a safety hazard and a mobility impediment to the disabled.

Lowery Street Roadway Improvements

\$5,000,000

This project provides for the improvements to Lowery Street that would improve traffic flow, as well as truck access to the industrial park.

Bike Lanes/Paths

\$3,000,000

This project provides for the construction of additional bike lanes and paths in an effort to link neighborhoods with public amenities such as parks and to provide alternatives to vehicular transportation.

Replacement Streetlighting on Business I-40

\$3,000,000

This project would fund the replacement of the streetlight system along Business I-40 from Peters Creek Parkway to Main Street. Constructed in the 1950’s, this system has failed and cannot be repaired.

TRANSPORTATION – Continued

Concrete Street Rehabilitation **\$2,250,000**

Multiple streets throughout the city are constructed of concrete. Often, the curb and gutter was poured with the street as one contiguous unit. The curb and gutter are not a standard height nor width. The concrete base has exceeded it's life expectancy. Asphalt has been applied on top of the concrete street in a thin layer so that a gutter will remain in place to carry stormwater. In these situations the asphalt will break and pop off in a relatively short time frame. The asphalt has to be milled prior to a new layer being placed on the roadway. These streets are creating more maintenance and repair costs. There are multiple streets through the city that would fall into the the concrete street/concrete base cagogy. Canterbury Trail, Fairfax Drive, Windsor Road and Pine Valley Road are a few city maintained streets that fall into this category. The Streets Department has consulted with a contractor about rehabilitating these streets. This project would provide a one time fix for a minimum of 15 to 20 years.

Child Pedestrian Safety Projects **\$2,000,000**

This project would provide for sidewalk and crosswalk improvements and other safety enhancements to road infrastructure that support schools.

Intersection Improvements **\$1,400,000**

The Winston-Salem Department of Transportation has identified the following locations that would be candidates for intersection improvements based on an evaluation of traffic volumes, capacity, and safety.

- Beeson Dairy Road extension/Old Belews Creek Road and US 158 Intersection Improvement \$900,000
- Healy Drive/Stratford Road Intersection Improvement \$500,000

Peters Creek Enhancement Project **\$625,000**

This project makes improvements to Peters Creek Parkway between First Street and Silas Creek Parkway.

Old Salem Sidewalk Rehabilitation **\$460,000**

Most of the sidewalks within the Old Salem area are constructed of brick and rock. Many of the sidewalks have been displaced due to large trees within the area and have exceeded their life expectancy. This project would evaluate the removal of trees as recommended by a certified arborist, replacement of the existing sidewalk with like material to meet current pedestrian needs and American with Disabilities Act (ADA) standards and planting trees within recommended locations.

TRANSPORTATION – Continued

Shorefair Drive Fence Replacement

\$75,000

This project provides for the installation of approximately 2,370 feet of 6' tall chain link and decorative fencing on Shorefair Drive adjacent to Senior Services and the Odd Fellows Cemetery. This project will remove the aged fencing and replace it with fencing consistent with adjacent properties to improve aesthetics.

TOTAL TRANSPORTATION:

\$285,780,000

RECREATION AND CULTURE

RECREATION AND PARKS

Winston Lake Park Renovations/Improvements

\$25,000,000

This project provides for further development of Winston Lake Park. The project scope is unknown at this time, as the amenities that would be constructed would be identified as part of a new master plan. Potential new amenities and renovations are new/replacement picnic shelters, new restroom facilities, playground replacements, water sprayground, greenway/walking trails, realignment of park road, improved fishing facilities and other amenities identified as part of the master plan, which was completed in FY 2012-13.

Former Quarry Property Park Development

\$23,000,000

This project provides for the development of the former Vulcan Quarry property. The 170-acre tract is in southeast Winston-Salem about three miles from the central business district. Specific improvements to the property would be determined by a master plan, which was completed in FY 2012-13.

Salem Lake Park Renovations/Improvements

\$15,000,000

This project provides for the development of the entire Salem Lake Park property, which is approximately 1,450 acres. Potential improvements/new amenities include a new warden's building, additional gate access/security, playgrounds/sprayground, trail improvements, picnic shelters, expanded parking off of New Greensboro Road and Linville Road, landscaping, widening the bridge along Linville Road to 10 feet, and other amenities identified as part of the master plan, which was completed in FY 2012-13.

Happy Hill Park Renovations

\$5,000,000

This project would provide for the re-development and upgrade of Happy Hill Park as part of the overall Southeast Gateway Development plan, including: renovations to or relocation of the pool and/or a water sprayground; a parking lot expansion at the Sims Neighborhood Center; relocation of the picnic shelter; new playing fields; improved landscaping; development of the property at the corner of Alder and Liberia Streets; and other improvements to the park property.

Balsom Road Park Development

\$3,500,000

This project would provide for development for the 111 acres of property owned by the City off Balsom Road, which is adjacent to an already existing Forsyth County park, C.G. Hill Memorial Park. Potential amenities include lighted multi-purpose athletic fields, dog park, playgrounds, water sprayground, walking trail, picnic shelter, disc golf course, and maintenance facility.

RECREATION AND CULTURE - Continued

Outdoor Pool with Splash Pad

\$3,500,000

This project entails the construction of a new 25-meter outdoor pool. The pool area would include six to eight lanes for recreational and instructional use, a zero depth play area, a splash pad, a pool house/concession area, shelters/shade structures, and deck space to accommodate patrons.

Jamison Park Development

\$3,000,000

Thirty-six acres were acquired in 1999 on Meadowlark Drive. A master plan was completed in March of 2001 and was updated in FY 2012-13. Development of the park would likely include site work such as clearing, grading, and the installation of erosion control measures; construction of a parking area; construction of a satellite maintenance facility; construction of greenway trail access; restroom facilities; construction of athletic fields; picnic shelter; pedestrian walkways; and possibly a dog park.

Old Milwaukee Park Development

\$2,700,000

This project provides for the development of the 50-acre former construction and demolition landfill site located in southeast Winston-Salem. Potential amenities could include: mountain bike trails, dog park, picnic shelter/restroom, athletic fields, pedestrian walkways and other amenities to be identified in a master plan.

Miller Park Renovations/Redevelopment

\$2,000,000

This project would provide for the redevelopment and upgrade of Miller Park to better serve area residents. The improvements include, but are not limited to: installation of benches; new/replacement picnic shelters; utility improvements; correction of drainage, erosion and flooding problems; path improvements; and bridge replacements.

Water Spraygrounds

\$1,800,000

This project provides for the installation of water spraygrounds at existing parks in the City. Installation at each site would include the spray/play equipment, filters, pumps, surfacing and seating.

Winston Lake Golf Course Renovations

\$1,600,000

This project would provide for the following improvements at the Winston Lake Golf Course facility:

- 1) Construction of two on-course restroom facilities (currently has none)
- 2) Moving the driving range back and removing the road nearby
- 3) Construction of a large picnic shelter
- 4) Replacement/reconstruction of sand traps
- 5) Repaving cart paths

RECREATION AND CULTURE - Continued

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| Sedge Garden Recreation Center Gymnasium | \$1,350,000 |
| This project provides for the construction of a gymnasium at Sedge Garden Recreation Center. The gymnasium would be attached to the current facility, which was designed to accommodate an expansion. This project is provided based on service extensions outlined in the 2003 Annexation Report, for the annexation effective September 30, 2006. | |
| Playground Renovations | \$1,060,000 |
| This project provides for the replacement and update of playgrounds throughout the parks system. Playgrounds are replaced based on safety assessments, condition of equipment, and overall usage. | |
| Park Restroom Renovations | \$900,000 |
| This project provides for the renovation of park restroom facilities throughout the city and will allow some of them to be open on a year-round basis. Work would include: installation of sufficient heating for year-round use, plumbing upgrades (insulating water lines), and upgrading other amenities as needed. Initial locations to be renovated include: Shaffner, Rupert Bell, Bowen, Parkland, and Leinbach parks. | |
| Park Land Acquisition | \$700,000 |
| This project would provide for the acquisition of additional land for the City to hold as undeveloped so that it can be used for development of future park land. | |
| Facility Security Improvements | \$450,000 |
| This project funds the installation of security systems, mobile cameras, and security gates at Recreation and Parks facilities that have a history of vandalism/graffiti and break-ins. | |
| Corpening Plaza Fountain Renovations | \$350,000 |
| This project will provide for the upgrade of the electrical and plumbing systems for the fountains at Corpening Plaza. This will include renovating the lighting systems and replacing the existing pumps. | |
| Tennis Court Resurfacing | \$300,000 |
| This project provides for the repair and resurfacing of 114 tennis courts in the park system. | |
| Recreation Facility Lighting Improvements | \$270,000 |
| This project provides for lighting renovations at the City's athletic fields. | |

RECREATION AND CULTURE - Continued

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|---|---------------------|
| Fairview Park Renovations | \$200,000 |
| This project provides for renovations/improvements at Fairview Park including a new picnic shelter/restroom, basketball court improvements, a walking trail and new fencing. | |
| Deferred Maintenance Assessment | \$150,000 |
| This project provides for a comprehensive evaluation of the condition of the City's park facilities. The report generated from the evaluation would include cost information and schedules for maintenance and repair of all existing park facilities. | |
| Hanes Park Restroom/Storage Facility | \$150,000 |
| This project will provide for an additional restroom/storage facility near the existing sand volleyball court. Hanes Park is a highly-utilized park and is need of an additional building to provide public restroom access and on-site storage for equipment. | |
| Picnic Shelter Renovations/Replacements | \$150,000 |
| This project provides for the renovation and replacement of the picnic shelters. The six-year Capital Plan includes \$250,000 in funds, but another \$650,000 in needs remains unfunded. | |
| Polo Park Gym Floor Replacement | \$100,000 |
| This project provides for the replacement of the gymnasium floor at Polo Park Recreation Center. The current floor is over 10 years old and has had issues with subsurface moisture over the years. | |
| Quarry Site Remediation | \$100,000 |
| This project provides for the remediation of the old Vulcan Quarry park site. The scope of the work will primarily include the removal of acres of invasive vegetation and replacing it with beneficial native vegetation in preparation of turning the site into a park. | |
| Recreation and Parks Sidewalks and Roadway Resurfacing | \$50,000 |
| This project provides for resurfacing and pavement/sidewalk repairs at recreation facilities throughout the city. | |
| Swimming Pool Repairs | \$30,000 |
| This project provides for ongoing major maintenance at the City's eight pools. | |
| Subtotal Recreation and Parks: | \$92,410,000 |

RECREATION AND CULTURE - Continued

PUBLIC ASSEMBLY FACILITIES

Lawrence Joel Veterans Memorial Coliseum Annex

Life Safety HVAC, and Power System Upgrades

\$510,000

Existing HVAC, Life Safety and Power systems are 17 years old. Maintenance/repair costs are increasing and system is not as reliable as when it was first installed. System is in critical need of a general upgrade to current technology to return it to appropriate efficiency levels. This includes cooling towers, two ice compressors, and louvers. Currently, operations can continue; however there is the possibility of major HVAC failure prior to an event that will not be able to be repaired due to parts being unavailable because of age of system and parts being discontinued. Labor/materials/contractor costs increasing. Systems are not as reliable as when first installed. Recent repairs have been made with used parts due to new parts being discontinued. The project should result in energy savings and a reduction in maintenance costs.

Storage Building

\$150,000

Overall complex storage space is very limited and storage space in the Annex is compromised as space in the Annex is dedicated to other functions.

Annex Roof Repairs

\$141,000

Roofing material on storage area and front lobby of Coliseum Annex originally installed in 1991. Leaking roof is causing damage to ceiling tiles and flooring in these two areas. Gutter replacement needed on both sides of Annex due to damage from ice storms and age to protect public exiting facility.

Subtotal Lawrence Joel Veterans Memorial Coliseum Annex:

\$801,000

M.C. Benton, Jr. Convention and Civic Center

In April 2012, the City Council approved \$100,000 for a facility assessment and economic impact analysis for the M.C. Benton, Jr. Convention and Civic Center. An outside consultant conducted the review, which focused on the facility and operations of the convention center and included an overall facility and needs assessment, competitive facility assessment, economic impact analysis, renovation cost-benefit analysis, and recommendations. The consultant's report identified a number of facility needs and grouped them into three categories—short-term, mid-range, and long-term—based on priority, difficulty to implement, and relative cost. The estimated cost of all three categories of recommended renovations and enhancements totals \$23.9 million.

Subtotal M.C. Benton, Jr. Convention and Civic Center:

\$23,907,000

RECREATION AND CULTURE - Continued

Dixie Classic Fairgrounds

New Motorsports Grandstand

\$1,325,000

The new construction is part of the revised master plan developed by Bullock, Smith and Partners in 1999. This facility is the first step to further redevelop the existing Grandstand into an Amphitheatre for medium sized concerts during the Fair and throughout the year. Motor sports grandstand would be located on east side of midway along Shorefair Drive. Grandstand built into existing contour of land along east side of fairgrounds midway facing Shorefair Drive. The facility would seat approximately 3,000. Cover over seating could be constructed when built or at a later date. A dirt track along Shorefair Drive would accommodate tractor pulls, demo derbies, and rodeos.

Roof Repairs

\$658,000

Under the City's Asset Management Program, roof condition assessments were performed on fairground facilities with immediate and future needs documented. The recommended replacement of roofing systems is based on an assessment of the existing condition and estimated remaining life of the system. Buildings included in this project include: Agriculture Building, Butler Building, Environmental Building, Exhibition Building/Farmer's Market, Grandstand, and Barnyard Zoo

Home and Garden Improvements

\$430,000

Existing Home and Garden Building is underutilized due to interior finish and having electric transformer located inside building rather than outside. Improvements to building include installation of a drop ceiling to cover exposed steel structure, relocation and better distribution of HVAC vents in new ceiling, carpeting the concrete floor, moving electric transformer from inside arena floor to outside or building an enclosed electrical equipment room, enclosing the covered entry, and upgrading walls and restroom facilities.

Midway Paving

\$375,000

Project would include stabilizing ground area on midway to allow for all weather facility for overflow parking. Paving improvements are needed on the currently paved part of the midway because the existing surface is eighteen years old and is cracking and settling.

Exterior Fencing Renovation (Gate 8 to West Gate)

\$208,000

The existing perimeter fencing from Gate 8 to the West Gate entrance is a chain link with barbed wire on top. The fencing is inconsistent with decorative fencing along the rest of the public entrance area of the fairgrounds and needs to be replaced with iron fencing similar to that along University Parkway from Coliseum Drive to Northwest Boulevard. The new decorative fencing would be more attractive for the public and provide the same level of security to the facility. Replace existing chain link perimeter fencing from Gate 8 on 27th Street to the West Gate facing south parking lot with decorative fencing similar to style used on west side of University Parkway between 25th St and Northwest Blvd.

RECREATION AND CULTURE - Continued

New Midway Gate

\$197,000

Relocation of arch gate from the North (Annex) gate entrance to the midway entrance next to the Home and Garden Building. This midway entrance has been used informally for years by fair patrons, but is inconsistent with other gates on fairgrounds. Masonry work, painting, decorative fencing, and lighting would be needed and is included for this project in addition to the relocation of existing arch.

Fairground Lighting Improvements

\$179,000

Conduct study and install decorative lighting fixtures to better illuminate the fairgrounds and highlight the buildings. There are several areas where old lighting is used that does not illuminate the areas properly for safety and appearance. Existing lights on top of Grandstand need to be replaced with newer and more efficient units. This lighting on the east side illuminates the track area and is barely adequate. Energy savings are also anticipated with this project.

Subtotal Dixie Classic Fairgrounds:

\$3,372,000

Subtotal Public Assembly Facilities:

\$28,080,000

TOTAL RECREATION AND CULTURE:

\$120,490,000

INTERDEPARTMENTAL SERVICES

Facility Renewal Projects (Fire, Recreation, WSTA, Parking Decks, etc.) **\$3,773,000**

These projects would provide funding for major maintenance needs at City facilities, including the Fire Department, Recreation and Parks Department, the Winston-Salem Transit Authority, and parking decks. These improvements would extend the useful life of these facilities and would include roof replacements, HVAC upgrades or replacements, and painting.

Carbon Footprint Reduction Projects **\$3,000,000**

These projects would provide funding for facility improvements that would result in energy savings, thereby reducing the City's carbon footprint. Improvements may include the use of solar panels and water recycling facilities.

City Yard Facilities Renewal **\$1,090,000**

Under the City's asset management program, the Property and Facilities Management Department has performed facility condition assessments on all buildings in general fund departments, including the City Yard. The department has documented needs and established a schedule for the replacement of roofs, replacement of HVAC systems, painting, renewal of interior finishes, replacement and repair of electrical and lighting systems, bathroom and kitchen renewal, and miscellaneous systems. The replacement of major systems such as roofs and HVAC systems is based upon an assessment of the existing condition and estimated remaining life of the system. This project would allow for the replacement of the roofs and HVAC systems at several City Yard buildings.

City Hall Renewal **\$438,000**

Under the City's asset management program, the Facilities Management department has performed facility condition assessments on all buildings in general fund departments, including the City Hall building. A schedule has been established to replace roofs, replace HVAC systems, painting, replacement of interior components such as flooring, ceiling tiles, refurbish bathroom and kitchen facilities, electrical and lighting systems. This project would allow for the replacement of the windows in City Hall with energy-efficient windows. It would also allow for exterior masonry repairs including the tuck-pointing and resealing of all masonry joints.

Fleet Services Building Garage Roll-Up Doors **\$150,000**

Replace 30 roll-up doors at the City Yard Fleet Services Garage Building #3. The doors are approximately 37 years old, in poor condition, and are not energy efficient.

TOTAL INTERDEPARTMENTAL SERVICES: **\$8,451,000**

TOTAL UNFUNDED CAPITAL NEEDS: **\$577,014,000**



2013 is the 100th anniversary of the merger of
the Town of Salem and the City of Winston.



Winston-Salem

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