

Concord
NORTH CAROLINA



FY 2017 - 2021

**Capital
Improvement Plan (CIP)**

www.concordnc.gov





On December 10th, 2015, Concord held its first City Council meeting in the new City Hall building located at 35 Cabarrus Avenue, West.

Photo Credit: LJ Weslowski, Light Capture Photography



Mission

The City of Concord partners with our community to deliver excellent service, and plans for the future while preserving, protecting, and enhancing the quality of life.

Core Values

Culture of Excellence: We *respect* members of the public and each other, and treat all with courtesy and dignity. We rely on *teamwork* to provide a seamless experience for all customers. We uphold high *ethical standards* in our personal, professional, and organizational conduct. We *continuously improve* by promoting innovation and flexibility to best meet the needs of customers with available resources.

Accountability: We accept responsibility for our personal and organizational decisions and actions, while delivering cost-effective and efficient services that are done right the first time.

Communication: We openly communicate with the public and each other by sharing information and soliciting feedback to achieve our goals.

Environment: We are concerned about our natural, historic, economic, and aesthetic resources and work to preserve and enhance them for future generations.

Safety: We use education, prevention, and enforcement methods to protect life and property in the community, and maintain our infrastructure and facilities to provide a safe environment in which to live, work, shop, and play.

Trust: We realize the perception of our organization is dependent upon the public's confidence in our commitment to our core values and to meeting the goals set collectively by the Mayor and City Council.

Team Concord's Principles of Excellent Service

Concern for the Individual
Professional Service
Timeliness

Customer Focus
Effective Communications
Teamwork

Fair and Equitable Service
Taking Ownership
Great Service Recovery

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(AVAILABLE ONLINE: [HTTP://WWW.CONCORDNC.GOV/DEPARTMENTS/FINANCE/BUDGET/CAPITAL-IMPROVEMENT-PLAN](http://www.concordnc.gov/departments/finance/budget/capital-improvement-plan))

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***INTRODUCTION &
SUMMARY INFORMATION***

GUIDE TO THE SECTIONS OF THE FY 2017-2021 CAPITAL IMPROVEMENT PLAN

The capital improvement plan (CIP) outlines the City's plan for achieving the goals, objectives, and service delivery levels desired by the Mayor and City Council. The purpose of this plan is to forecast and match projected revenues and major capital needs over a five (5)-year period. Capital planning is an important management tool that strengthens the linkages between community infrastructure needs and the financial capacity of the City.

The City defines CIP capital expenditures as any expenditure of major value that recurs irregularly, results in the acquisition of a fixed asset, and has a useful life greater than one (1) year. As a rule of thumb, items included in the CIP are those which involve:

- acquisition, renovation, and/or construction of a single fixed asset greater than \$100,000
- any land purchases not associated with or included in another CIP project
- capital road maintenance or construction greater than \$100,000 – excluding recurring or routine maintenance projects

The CIP is updated annually to ensure that it addresses new and changing priorities within the City.

Introduction/Summary Information: The introduction section consists primarily of the Manager's Message – an executive summary of the CIP from the City Manager to the Mayor and City Council. It discusses the major factors impacting the CIP and provides a summary of first-year projects and funding sources. The introduction also includes the CIP Policy, the Mayor and Council goals and objectives, organizational and financial summary charts, and the CIP Ordinance.

Detailed CIP Project Information: This section includes a brief summary of the City's capital improvement projects approved in the FY 2017 budget. For each capital expenditure, the CIP includes an expenditure description, a justification of the expenditure and how it addresses a City goal, proposed funding levels and sources, and, if applicable, an estimate of ongoing operating costs.

Detailed CIP Project Information for Year 1 Projects and Projects Previously Approved by City Council: This section includes a brief summary of the City's capital improvement projects that are currently in-progress and those that were approved for funding in the first fiscal year of the CIP, or FY 2017. The CIP includes projects that are spread out over multiple years, and as such, this document also includes descriptions of previously approved projects that are currently in-progress. For each of these capital projects, the CIP includes an expenditure description, a justification of the expenditure and how it addresses a City goal, proposed funding levels and sources, and, if applicable, an estimate of the five-year impact of ongoing personnel and operating costs.

Supplemental Information: This section contains supplemental information regarding the City's CIP process, including the CIP Request Form, the CIP Request Form Instructions, Future Year CIP project planning, and a glossary of CIP terminology.

CONTACT INFORMATION

If you have any questions regarding this document, please contact the Finance Department at:
(704) 920-5261 or (704) 920-5263, or visit the City's website at:

<http://www.concordnc.gov/Departments/Finance/Budget/Capital-Improvement-Plan>

CAPITAL IMPROVEMENT PLAN PROCESS

HOW IS THE CIP DEVELOPED?

The CIP is updated annually as part of the City’s regular budget process. After departments submit their CIP requests to Budget in the late fall/early winter, the City’s capital project selection committee reviews and evaluates the proposed projects based on Mayor and City Council service priorities, infrastructure needs, the financial capacity of the city, and the impact the projects could have on the City’s operating budget.

Once the projects are evaluated, the committee recommends the selection and timing of capital projects through future fiscal years. First-year projects are incorporated into the City Manager’s recommended annual operating budget. In some cases, plans are made to include the project in a separate capital project ordinance, to be approved by the City Council when the operating budget is approved. The Mayor and City Council are also presented the future, unappropriated, planning years for their consideration, review, and endorsement so that staff can proceed with planning and evaluation of potential capital projects.

CAPITAL IMPROVEMENT PLAN

The capital improvement plan is simply that – a *plan*. As such, projects are subject to change based on new or shifting service needs, special financing opportunities, emergency needs, or other directives or priorities established by the Mayor and City Council. Because priorities can change, projects included in outward planning years are not guaranteed for funding.

OPERATING BUDGET IMPACTS

Departmental budgets may be impacted by capital projects once they are completed and require maintenance/upkeep. Examples of these impacts include additional or reduced utilities, fuel costs, or staffing changes, which may not be realized until after projects are completed. When available, the impacts of capital projects on the annual operating budget are estimated and included in Section 4 for each project’s CIP. For many projects, the operating costs are captured in the department’s annual operating budget and no additional operating costs are listed. Most projects will not have an operating impact in the initial funding year, since this is typically the construction/installation phase and operating budgets are not impacted.

FY 2017-2021 CAPITAL IMPROVEMENT PLAN (CIP) DEVELOPMENT CALENDAR

TASK	START DATE	DUE/END DATE(S)	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE
CIP Entry into Budget System	12/12/15	1/1/16						■	■					
Council and Community service level goals and objectives established by Mayor & City Council	2/11/16	2/12/16								■				
CIPs discussed during departmental budget meetings	3/1/16	4/12/16									■	■		
CIP selection committee review meetings	2/1/16	4/18/16								■		■		
City Manager's recommended budget containing CIPs presented to Mayor & City Council	5/25/16	5/25/16											■	
Budget available for public viewing at City Clerk's Office	5/25/16	6/30/17											■	■
Mayor & City Council review budget and performance objectives	5/25/16	6/9/16											■	
Public Hearing conducted; CIP ordinance adopted by City Council	6/9/16 (Budget Public Hearing)	6/9/16 (Budget Public Hearing)												■

- Legend:
- Budget Staff, Department Directors
 -
 Mayor, City Council, City Mgt., Dept. Directors, Budget Staff
 -
 CIP Selection Committee
 -
 City Mgt., Budget Staff, Department Directors
 -
 City Mgt. & Budget Staff
 -
 Mayor & City Council



July 1, 2016

The Honorable J. Scott Padgett, Mayor
Members of the City Council
Concord, North Carolina

Dear Mayor Padgett and Members of the City Council:

I'm pleased to present you the Capital Improvement Plan (CIP) for the fiscal years 2017-2021. The CIP serves as a long-range planning tool used to help the City match revenues with major capital (items/projects with a unit cost over \$100,000) needs over a five-year period. The projects in the CIP are derived from Council Goals, citizen requests, and departmental recommendations. A summary version of the CIP was provided with my recommended budget and fiscal year 2017 projects were included in the operating budget that City Council adopted on June 9, 2016. Subsequent fiscal year projects are unfunded and presented for planning purposes only.

MAJOR FACTORS IMPACTING CAPITAL PLANNING

Revenue – All budgets are constrained by available revenues and that is no different for Concord. Capital projects are prioritized so that available funds are allocated based on need, Council priority, and their impact on service provision. Fiscal year 2017 includes funding for a variety of City projects.

Infrastructure Planning for the Future: With growth returning to the City, the importance of infrastructure planning cannot be understated. The CIP will provide funding for Master Plans for Concord Regional Airport and the Wastewater system. A number of transportation projects are underway across the City to ease congestion-related traffic. Funding is appropriated to participate in the construction of a flyover from I-85 to Concord Mills Mall, expand sidewalks, and contribute additional funds to the Derita Road improvement project.

Parks & Recreation Projects- Parks & Recreation projects are a highlight of the FY 2017 CIP. Funding is included for the aspects of the Cabarrus Avenue and Fink phases of the McEachern Greenway, as well as the Airport and Riverwalk phases of the Hector H. Henry II Greenway. Renovations will be made to modernize the Hartsell Recreation Center and remodel the Burrage Road property to accommodate Parks and Recreation programming.

Technology: Citizens expect their City to be technologically savvy. The FY 2017 CIP continues funding for the expansion of the City's fiber network and provides funding for the construction of a Traffic Management Center to allow the City to meet the increasing demands of traffic without building additional infrastructure.

Maintenance of City Equipment- To maintain the level of service Concord provides, a number of large equipment items are in need of replacement to reduce maintenance and repair costs. This CIP includes funding for an aerial ladder for Fire; replacements of a rear-loader and a knuckleboom truck for Solid Waste; replacements for a Ford F550 truck and a jet-vac truck for Stormwater; three replacement bucket trucks and a new Digger Derrick Utility vehicle for Electric; and a replacement excavator for Wastewater.

Maintenance of City Facilities- As City facilities age, there is a need to renovate buildings to meet safety standards and citizen expectations. To maintain a high quality of play, the initial phase of bunker repairs is funded for Rocky River Golf Course. The Electric system will convert two electric substations to solid state relay systems and a new Substation P will be constructed in the Highway 601/Highway 49 area. Funding is included for updates to be made at both Water Treatment Plants, including the addition of sampling stations and security improvements. Coddle Creek will upgrade its settling basins, add a raw water line and flow meter, and replace PLC cabinets. Hillgrove Water Treatment Plant will replace its MCC lineup. Fencing improvements are also being made surrounding the perimeter of Concord Regional Airport to increase security.

Environmental Protection- Our environment is fragile and we realize the importance of being good stewards. The CIP continues to ensure our continuing attention to the undesired effects of stormwater run-off and its environmental impacts through the replacement of two stormwater culverts, funding for the stream restoration project, and two waterline expansions. A wastewater outfall will be added to service Accent Avenue residents. Funding is also included for the second phase of environmental remediation for a section of Les Myers Park related to the property's former use as a landfill.

FIRST-YEAR CIP PROJECT LISTING

A total of \$20,054,624 in capital projects has been identified for FY2017. A list of all first-year projects and their primary funding sources (in parenthesis) can be found below. Additional project detail is available on the following pages of this CIP document.

General Fund

Fire

- Replacement FD-203 Aerial Ladder Truck: \$1,400,000 (operating revenue)

Solid Waste & Recycling

- Replacement RearLoader truck SWR-437: \$170,000 (operating revenue)
- Replacement Knuckleboom truck SWR-436: \$140,000 (operating revenue)

Parks & Recreation Capital Projects Fund

- McEachern Greenway, Cabarrus Avenue Phase: \$100,000 (transfer from General Fund)
- McEachern Greenway, Fink Phase: \$1,311,000 (transfer from General Fund)
- Hector H. Henry, II Greenway Airport Phase: \$52,500 (transfer from General Fund)
- Hector H. Henry, II Greenway Riverwalk Phase: \$50,000 (transfer from General Fund)
- Burrage Road House Renovations: \$336,547 (capital reserve, General Fund operating revenues)
- Hartsell Recreation Center Renovations: \$1,815,000 (capital reserve)

Transportation Capital Projects Fund

- Concord Mills Blvd Flyover: \$1,500,000 (transfer from General Fund, vehicle fees)
- Infrastructure Improvements, Sidewalk Program: \$150,000 (vehicle fees)
- Transportation Management Center: \$1,100,000 (capital reserve, vehicle fees)
- Derita Road Construction: \$75,000 (developer contributions)

General Capital Projects Fund

- Fiber Network Extension: \$216,000 (transfer from City departments)
- Les Myers Environmental Remediation: \$80,000 (grant revenue)

Stormwater Projects Fund

- Stream Restoration Project: \$362,892 (transfer from Stormwater Fund)
- Chelwood Drive Culvert Replacement: \$491,000 (transfer from Stormwater Fund)
- Hanover Circle Culvert Replacement: \$278,000 (transfer from Stormwater Fund)

Stormwater

- Ford F550 Truck with Crane SW434: \$100,000 (operating revenue)
- Jet Vac Truck Replacement SW318: \$110,000 (operating revenue)

Electric Projects Fund

- Solid State Relay Conversion for Substation M: \$495,000 (transfer from Electric Fund)
- Solid State Relay Conversion for Substation C: \$935,000 (transfer from Electric Fund)
- Construction of Substation P: \$2,500,000 (transfer from Electric Fund)

Electric Systems

- Replacement E-326 Bucket Truck: \$250,000 (operating revenue)
- Replacement E-325 Bucket Truck: \$215,000 (operating revenue)
- Replacement E-227 Bucket Truck: \$180,000 (operating revenue)
- Bucket/Digger Utility Vehicle: \$170,000 (operating revenue)

Water Projects Fund:

- Derita Road Widening: \$125,000 (transfer from Water Fund)
- Coddle Creek Settling Basin Upgrades: \$225,000 (transfer from Water Fund)
- Security Improvements at Water Treatment Plants/Remote Sites: \$100,000 (transfer from Water Fund)
- Sampling Stations for Distribution System: \$100,000 (transfer from Water Fund)
- Raw Waterline & Flow Meter for Coddle Creek Water Treatment Plant: \$1,190,000 (transfer from Water Fund)
- George Liles Boulevard Waterline Phase 3: \$282,430 (transfer from Water Fund)

Water:

- PLC Cabinet Replacement at Coddle Creek Water Treatment Plan: \$150,000 (operating revenue)
- MCC Lineup at Hillgrove Water Treatment Plant: \$190,000 (operating revenue)

Wastewater Projects:

- Accent Avenue Outfall: \$590,000 (transfer from Wastewater Fund)

Wastewater:

- Replacement S-659 Excavator: \$120,000 (operating revenue)
- Sewer Master Plan: \$150,000 (operating revenue)

Rocky River Golf Course:

- Irrigation Repairs & Bunker Replacement: \$199,650 (operating revenue)

Aviation Projects:

- Airport Perimeter Security Fencing: \$1,749,625 (grant, transfer from Aviation Fund)

Aviation:

- Airport Master Plan: \$300,000 (operating revenue)

FIRST-YEAR REVENUE SOURCES

Pay-as-you-go: Whenever possible, pay-as-you-go (“operating revenue” or “Transfer from --- Fund”) funding is the preferred method of funding CIP projects. Most items listed above use this method of financing.

Capital Reserve Funds: These funds have been set aside for use in funding capital projects.

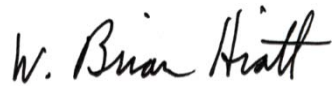
Vehicle Fees: The City collects a small fee for vehicles registered within City limits. Revenue from this fee goes directly to fund transportation projects.

Grant Funds: The City continues to aggressively pursue state and federal grant funding and has been successful in many of these efforts.

CONCLUSION

The following pages of this document provide additional detail on the projects listed above as well as those in future planning years. This document is considered a "living" document that serves as a planning guide and will be adjusted as existing projects change and new needs arise.

Respectfully submitted,

A handwritten signature in black ink that reads "W. Brian Hiatt". The signature is written in a cursive style with a distinct loop at the end of the last name.

W. Brian Hiatt
City Manager

FY 2016-2017 CITY COUNCIL GOALS

On February 9 and 12, 2016, the Mayor and City Council held the annual planning session. The direction provided by the Mayor and Council during the planning session has been developed into a statement of goals for the City of Concord for FY 2016-2017. These goals guide budget development and implementation. In addition to this statement of goals, the City has also developed a set of financial policies that are approved by City Council to guide the City in the financial management of all funds. Although North Carolina local governmental units must adhere to the requirements set forth in the North Carolina Local Government Budget and Fiscal Control Act, the financial policies approved by City Council are often more stringent than State requirements to assure the City of Concord will continue to function in a very fiscally sound manner.

The FY 2016-2017 goals are presented according to functional areas. During the year, monthly functional meetings are held to monitor progress on these goals and to identify new issues that must be considered for long-range planning. City Departments are evaluated on their performance in meeting these goals.

General Government

- Communicate legislative goals and agendas to representatives for both the Federal and State legislative processes.
- Monitor the progress of the Cabarrus County revaluation process to determine the impact on the City of Concord and its tax rate as soon as possible during the FY 2016-17 budget process.
- Develop and launch a formal process to divest the City of extraneous properties, with goals of making the properties available to the private sector or otherwise highest possible use and eliminating unnecessary maintenance costs.
- Continue to maintain a fund balance goal of 30 to 35 percent of General Fund expenditures and use fund balance only for non-recurring capital expenditures.
- Continue to include a performance measurement component in the external agency process, requiring monitoring, and reporting of performance outcomes for funded agencies.
- Continue to adhere to approved financial management policies that maintain the City's financial strength and integrity including continuation of conservative revenue estimates that reflect economic conditions and the aggressive pursuit of revenues collections.
- Continue to prepare the City's annual budget document in compliance with criteria established to obtain the Government Finance Officers Association's (GFOA) budget award and submit the document for review to the GFOA.
- Continue to maintain a sound financial position that results in bond ratings that are at least as beneficial as current ratings.
- Continue to update and re-adopt the Capital Improvement Program, detailing capital projects, estimated costs, and funding sources.
- Continue to maintain accounting systems in compliance with the NC Local Government Budget and Fiscal Control Act.
- Continue to prepare the Comprehensive Annual Financial Report (CAFR) in compliance with the required criteria in order to obtain the GFOA Certificate of Achievement for Excellence in Financial Reporting.
- Continue to finance capital costs so that future growth can help pay for major capital needs and improvements, but continue to use pay-as-go method for most other capital purchases.
- Continue to enhance partnership among management, directors, and Customer Service Advancement Team to serve our citizens and customers, apply best practices to enhance satisfaction levels, and focus on continuous improvement.
- Continue to support the recognized neighborhood program and seek opportunities to enhance the quality of relationships, strengthen communications, and build capacity of neighborhood leaders.

Transportation

- Continue to routinely monitor projects and consider participation in additional projects to assure Transportation Fund revenues are being used to fund highest priorities and funds are available for local matches to leverage additional projects with a focus on City infrastructure.
- Continue, at a minimum, appropriating existing revenue amounts using 2-cents of the Ad Valorem tax and \$5.00 of the Vehicle tax for the Transportation Fund.
- Continue to maintain the \$400,000 minimum balance in the Transportation Fund.
- Budget \$150,000 annually within the Transportation Fund to implement priorities in the Pedestrian Improvement Plan based on established policy.
- Continue efforts to secure funding for Congestion Mitigation Air Quality (CMAQ), Federal Transportation, Community, and System Preservation Program (TCSP), Economic Enhancement, Highway Safety Improvement (HSIP), and small construction projects from the federal government and/or the NCDOT, and continue to coordinate associated local activities with NCDOT Division 10.
- Continue to perform City of Concord infrastructure rehabilitation projects that do not fit within the routine maintenance and/or resurfacing programs and have historically been neglected.
- Consider participation in Exit 49 economic development sustainability initiative.
- Establish priorities for future surface transportation fund projects for which construction dollars have not been committed.
- With the projected continued growth of both population and traffic congestion and the growing need for residents and visitors alike to move regionally, explore if there are the means to fund all day service between Concord and Charlotte via the proposed Rider Express.
- Address identified public safety needs at Concord Regional Airport, including funding additional Fire Department and a portion of Police Department positions and equipment to support operations, meet FAA Part 139 standards, and meet TSA requirements.

Environment/Solid Waste and Recycling/Stormwater

- Continue emphasis on improving community appearance through regular street sweeping, litter pick-up and removal of signs that violate City ordinance.
- Continue to pursue strategies to reduce fuel consumption, including diversification of fueling methods, purchasing hybrid vehicles when possible, replacing aging light-duty vehicles with smaller more fuel-efficient vehicles, increasing fuel storage capacity and the use of blended fuels and target goals to reduce overall fuel consumption.
- Continue the current practice of only maintaining stormwater systems on public rights of way, and seek alternate funding mechanisms and encourage private owners to do the same to address drainage issues on property outside of public rights of way.
- Consider approval of the highest ranking projects on the integrated Stormwater project list during the Stormwater CIP and budget review process.
- Direct staff to negotiate a contract with Waste Pro to collect commingled recycling from businesses in the Downtown area or elsewhere in Concord that would like to participate at a cost of \$1.69/monthly per business for biweekly collection.
- Streamline the business corrugated cardboard collection program, such that the City pays for one dumpster to be serviced weekly per business by the contractor and businesses arrange directly with the contractor for additional services.
- Direct staff to negotiate a two-year contract renewal with Waste Pro for residential garbage, recycling, and bulky waste collection, including efficiency improvements for bulky waste such as every-other-week collection aligning with the recycling collection schedule.

Utilities

- Continue to educate the public and all system customers on the importance of water conservation.
- Continue to pursue strategies to promote water conservation, water re-use, and investigate alternatives to reducing individual water use.
- Continue to work with WSACC to develop a plan to reuse water for irrigation and other permitted purposes.
- Continue to enforce consistent rights-of-way protection policy to include notification of property owners relative to existing obstructions, conflicts or structures within the utility right-of-way.
- Continue with the development of the water master plan and fund the wastewater master plan during FY 2016-17.
- Continue to follow the RW Beck recommendations for the Electric System.

- Allow the wholesale cost increases to be handled by the purchased power adjustment over the next few years that Duke has forecasted significant capital cost expenditures that will affect increases in the City's demand cost.
- Investigate ways to control/buffer these increases for customers through applying rate stabilization funds to the purchased power adjustment.
- Continue to match Duke Energy's avoided cost rate for purchase of renewable generation projects that attach to the City's system.

Planning/Economic Development/Redevelopment

- Address and respond to current growth trends through a process to update the City's land use plan and small area plans, incorporating best land use practices and addressing demands and issues during this process.
- Following the completion of the Land Use Plan update, consider expand community input into other areas through an overall strategic planning process.
- Continue the process of updating the Downtown Master Plan, with remaining components to be completed including the market analysis and urban design phases. Proceed with identifying reuse and marketing opportunities for the City's vacant buildings on Union Street South, with the assistance of the UNC Development Finance Initiative.
- Incorporate the CVB's unified wayfinding system design in the downtown master plan public strategies and investment component.
- Continue to support the business recruitment and development efforts of the Concord Downtown Development Corporation (CDDC) in attracting new business and enhancing existing downtown businesses.
- Continue to work closely with economic development partners in Cabarrus County to present a complete coordinated recruitment and retention effort.
- Continue to regulate the design criteria for commercial development in accordance with the Concord Development Ordinance (CDO), with emphasis on low impact development.
- Continue the close working relationship between various City Departments on zoning and ordinance issues, and continue to use the methods in place to weigh the positives versus the negatives of future annexations.
- Incorporating feedback from City Council, finalize the sign ordinance draft for public input and review by the Planning and Zoning Commission, who will recommend an ordinance for adoption by City Council.

Public Safety

- Continue to explore opportunities to make Fire Station #1 on Church Street a museum if Fire Station #1 is relocated to another location in the future.
- Continue support of an Urban Archery Season consistent with state and local law.
- Continue to maintain code enforcement penalties and fees, with annual monitoring of potential changes in order to ensure that the penalties properly discourage code violations.
- Continue participating in the school resource officer program.
- Complete the purchase and deployment of the body worn cameras to every sworn officer.

Recreation/Parks/Open Space

- By end of calendar year 2016, complete draft of Recreation Master Plan for consideration by City Council.
- Continue development the Hector H. Henry, II and McEachern Greenways, making full use of Carolina Thread Trail and Trust Funds money to acquire properties for future greenways if net cost to City is reduced.
- Fund the renovation of Hartsell Recreation Center and improvements to the property on Burrage Road.
- Support expanded programming on the greenways and cultural arts programming.
- Explore development of a large park to serve residents in northwest Concord, and consider partnership options with Cabarrus County for this or other new park facilities and greenway connectivity opportunities.
- Explore best practices and possible modifications for recreation facility use policies related to access and fee-waivers for 501(c) nonprofit organizations.

FUND AND BUDGET UNIT STRUCTURE (FY 2016-2017)

Below outlines the organizational structure the city uses to account for (including accounting numbers) revenues and expenditures of city operations. Revenues are accounted at the fund level. Expenditures are accounted at the budget unit level (e.g. Governing Body, Tree Trimming, Purchasing, Police, etc.).

GENERAL FUND

FUND 100 – GENERAL FUND

General Government

1. Governing Body – 4110
2. Public Services Admin. – 4115
3. City Manager’s Office – 4120
4. Human Resources – 4125
5. Wellness Center – 4126
6. Finance – 4130
7. Tax – 4140
8. Legal – 4150
9. Non-Departmental – 4190

Public Safety

10. Police – 4310
11. Code Enforcement – 4312
12. Emergency Communications – 4315
13. Radio Shop – 4330
14. Fire Operations – 4340
15. Fire Prevention – 4341
16. Fire Training – 4342
17. Emergency Management - 4343

Public Works

18. Streets & Traffic – 4510
19. Powell Bill – 4511
20. Traffic Signals – 4513
21. Traffic Services – 4514
22. Solid Waste & Recycling – 4520
23. Cemeteries – 4540
24. Fleet Services -- 4550

Economic Development

25. Planning & Neighborhood Development – 4910
26. Transportation Planning – 4915
27. Economic Development – 4920

Cultural and Recreational

28. Parks and Recreation – 6120
29. Aquatics – 6121

SPECIAL REVENUE FUNDS

FUND 201 – MUNICIPAL SERVICE DISTRICT FUND

1. Municipal Service District – 5000

FUND 210 – SECTION 8 VOUCHER PROGRAM FUND

1. Housing Vouchers Program – 1500

FUND 257 – HOME CONSORTIUM FUND

1. Administration – 2570
2. Projects 2016 – 2575

FUND 292 – ADDL. \$5 VEHICLE TAX (TRANSIT) FUND

1. Addl. \$5 Vehicle Tax – 8200

FUND 307 – COMMUNITY DEVELOPMENT

BLOCK GRANT (CDBG) FUND

1. Administration – 3070
2. Projects 2016 – 3075

ENTERPRISE FUNDS

FUND 600 – STORMWATER FUND

1. Stormwater Operations – 7100

FUND 610 – ELECTRIC SYSTEMS FUND

1. Electric Administration – 7200
2. Purchased Power – 7210
3. Powerlines Maintenance – 7220
4. Tree Trimming – 7230
5. Electric Construction – 7240
6. Peak Shaving – 7241
7. Electric Engineering Services – 7250
8. Utility Locate Services – 7260

FUND 620 – WATER RESOURCES FUND

1. Hillgrove Treatment Plt. – 7330
2. Coddle Creek Treatment Plt. – 7331
3. Waterlines Oper. & Maint. – 7340

FUND 630 – PUBLIC TRANSIT FUND

1. Rider Transit System – 7613

FUND 640 – WASTEWATER RESOURCES FUND

1. Wastewaterlines Operations & Maintenance – 7420

FUND 650 – GOLF COURSE FUND

1. Rocky River Golf Club – 7501

FUND 680 – AVIATION FUND

1. Aviation Operations – 4530

FUND 690 – PUBLIC HOUSING FUND

1. Public Housing Operations – 1000

INTERNAL SERVICES FUND

FUND 800 – INTERNAL SERVICES FUND

1. Utilities Collections – 4200
2. Data Services – 4210
3. Billing – 4215
4. Customer Care – 4220
5. Engineering - 4230
6. Purchasing – 4250
7. Buildings & Grounds – 4270

PROJECT FUNDS

FUND 285 – GENERAL CAPITAL RESERVE PROJECTS

1. Capital Reserve Expenditures – 8150

FUND 420 – PARKS & RECREATION CAPITAL PROJECTS

2. Parks & Recreation Capital Projects – 8300
3. Hector H Henry II Greenway – 8311
4. McEachern Greenway – 8312
5. Parks – 8313

FUND 421 – WASTEWATER CAPITAL PROJECTS

1. Wastewater Projects – 8402
2. Quail Haven – 8403
3. Irish Buffalo/Zion Church Outfall – 8404

FUND 423 – TRANSPORTATION CAPITAL PROJECTS

1. Streets Projects – 8600

FUND 426 – FIRE & LIFE SAFETY PROJECTS

1. Fire & Life Safety Projects – 8670

FUND 429 – WATER CAPITAL PROJECTS

1. Water Projects – 8700

FUND 430 – GENERAL CAPITAL PROJECTS

1. BOC Capital Projects- 8800
2. Business & Neighborhood Service Projects – 8801
3. Solid Waste Projects – 8802
4. Data Services Projects - 8803
5. General Fund Capital Projects – 8804

FUND 451 –AIRPORT PROJECTS

1. Airport Projects – 6300

FUND 473 – ELECTRIC PROJECTS

1. Electric Projects – 6949

FUND 474 – STORMWATER PROJECTS

1. Stormwater Master Plan – 7101
2. Stream Restoration Project – 7102
3. Stormwater Projects – 7103

FUND 475 – ROCKY RIVER GOLF COURSE PROJECTS

1. Golf Course – 7550

FIRST CONCORD/DEBT SERVICE FUNDS

FUND 550 – 2010 LIMITED OBLIGATION

1. 2010 LOBS – 7020

FUND 552 – 2014 LOBS

1. 2014 LOBS First Concord – 6990

FUND 553– 2005 CERTIFICATES OF PARTICIPATION

1. Police Headqrtrs & Commun – 7000

FUND 569 – 160A-19 FINANCING AGREEMENT

1. Golf Course – 4600
2. Aviation – 4650

CAPITAL IMPROVEMENT PLAN, BUDGET, AND FINANCIAL POLICY

I. PREPARATION OF THE CAPITAL IMPROVEMENT PLAN (CIP):

- A. The purpose of the capital improvement plan (CIP) is to forecast and match projected revenues and major capital needs over a five (5)-year period. Long-range capital planning is an important management tool, which strengthens the linkages between community infrastructure needs and the financial capacity of the City.
- B. All proposals for capital investment shall go through the capital planning process.
- C. Definition of appropriate capital items for inclusion on the CIP:
 - 1. Definition of a CIP capital expenditure – Expenditure of major value that recurs irregularly, results in the acquisition of a fixed asset, and has a useful life greater than one (1) year.
 - 2. As a rule of thumb, items to be included in the CIP include those which:
 - (a) Involve the acquisition, renovation, and/or construction of a single fixed asset greater than \$100,000
 - (b) involve any land purchases not associated with or included in another CIP project
 - (c) involve capital road maintenance or construction greater than \$100,000 – excluding recurring or routine maintenance projects
- D. Difference between departmental capital outlay items (in operating budget) and capital project outlay items (in CIP):
 - 1. Departmental capital items shall not be submitted as part of the CIP. Departmental capital items include:
 - (a) equipment/tools, furniture, office equipment such as computers and fax machines, minor remodeling, or other construction projects below \$100,000 (such items should be outlined in the “Capital Outlay” section of the operating budget request).
 - (b) all vehicles/rolling stock/machinery below \$100,000
 - 2. However, any upcoming, or 1st year costs associated with a CIP request shall be entered in the department’s operating budget request in order to ensure that 1st year CIP costs are noted and included in the Manager’s Recommended Budget.
- E. Inclusion of expenditures for maintenance and/or staffing in the CIP:
 - 1. All operating, maintenance, and personnel budget expenditures associated with the purchase of a CIP item shall be included and noted in the annual operating budget. However, for reporting and future expenditure forecasting purposes, the estimated additional expenditures on operating, maintenance, and personnel shall be included on all CIP requests.

II. ORGANIZATIONAL ISSUES:

- A. Departments are responsible for identifying, documenting, and justifying CIP requests. Departments are also responsible for obtaining project cost estimates and identifying appropriate revenue sources for the project (the Finance Dept. shall assist in identifying costs and appropriate revenue sources).
- B. The City Manager, in conjunction with the Finance Director and Budget staff, shall be responsible for coordinating the CIP process and submission of the CIP to the Mayor and City Council.
- C. A capital project selection committee shall be used to evaluate and recommend a ranking of proposed projects to the City Manager. This committee shall be comprised of:

City Manager, Deputy City Manager, Assistant City Manager, Director of Planning & Neighborhood Development, Finance Director, Budget & Performance Manager, Budget Analyst, and Director of Engineering.

D. Council review, recommendation, and adoption of CIP:

1. The City Manager's Recommended CIP shall be submitted to the Mayor and City Council for their review and recommendation during the beginning stages of the annual budget process. **NOTE:** Governing Body recommendation of the CIP does not authorize money for any of the projects in the plan, but the recommendation by the Governing Body shall provide the City Manager direction to proceed with formulating the annual CIP and inclusion of first year CIP items in the City Manager's Recommended City Budget.
2. A Capital Projects Ordinance will be adopted by City Council with the City's Operating Budget establishing necessary project fund structures for CIP expenditures at the beginning of the fiscal year.

III. EVALUATION OF PROJECT MERIT:

- A. Proposed CIP items will be evaluated and ranked according to merit by requesting departments.
- B. Projects should generally be foreseen ahead of the time (preferably 2+ years) of need to allow time for planning long-term financing strategies or financing methods.

IV. FUNDING SOURCES:

- A. Debt will be considered for capital projects under the following circumstances:
 1. The capital item is a long-living (useful life greater than one (1) year) asset.
 2. The asset has a useful life expectancy that equals or exceeds the length of the debt financing period.
- B. The following types or combination of financing may be considered under the following circumstances:
 1. *Debt methods:*
 - (a) *General Obligation Bonds (G.O. Bonds)* – The capital item is used for a public facility or equipment that is a public good and that has no revenue-producing capability (e.g. streets and municipal buildings or structures). Generally, G.O. Bonds are only used for major General Fund projects.
 - (b) *2/3 General Obligation Bonds* – Without voter approval, G.O. Bonds may be issued annually on 2/3 of net G.O. debt reduction (principal retirement) in the prior year.
 - (c) *Revenue Bonds* -- The capital item is used for a non-public good in which a revenue stream is associated with the capital item (e.g. airport, water, wastewater, and electric system capital items).
 - (d) *Special Obligation Bonds (S.O. Bonds)* – S.O. Bonds may be used for solid waste management projects which can include equipment or facilities for construction of incinerators, land for recycling facilities, drainage collection and treatment systems for landfills, land and liners for landfills, monitoring wells, recycling equipment and facilities, and volume reduction equipment; can also be used for water/sewer projects
 - (e) *Special Assessments* – The capital item benefits only immediately adjacent property. Adjacent property owners pay the special assessments after the improvement is completed and its cost is known. Therefore, special assessments are not a method of capital financing, but rather a method of eventually paying for the improvements

for which they are levied. Other sources of funds are needed to finance the improvements for which the assessments are later levied.

(f) *Property Secured Debt* – The capital item can be secured as collateral itself. Includes lease or installment purchase transactions and certificates of participation (COPS) or limited obligation bonds (LOBS).

2. *Non-debt methods (Also referred to as Pay-as-you-go, or Pay-Go)*

(a) *Current revenues* – The capital item can be acquired through existing revenues.

(b) *Capital reserves* – The capital item can be funded from City Council designated taxes or revenue streams that are set aside in a separate fund.

(c) *Capital recovery, facility, or impact fees* – Capital items may be financed from charges to benefiting property owners for major infrastructure or facilities that benefit that property. Charges can be levied and collected before infrastructure is built.

(d) *Fund Balance* – The capital item can be funded with unassigned operating fund balances.

(e) *Grants* – Funding of the capital item was secured upon application of a governmental grant (examples might include CDBG or HOME grants, law enforcement grants, or EPA water quality grants.)

(f) *Gifts* – The capital item may be purchased or acquired with restricted or non-restricted donations by citizens or corporations.

C. *Debt Limits*

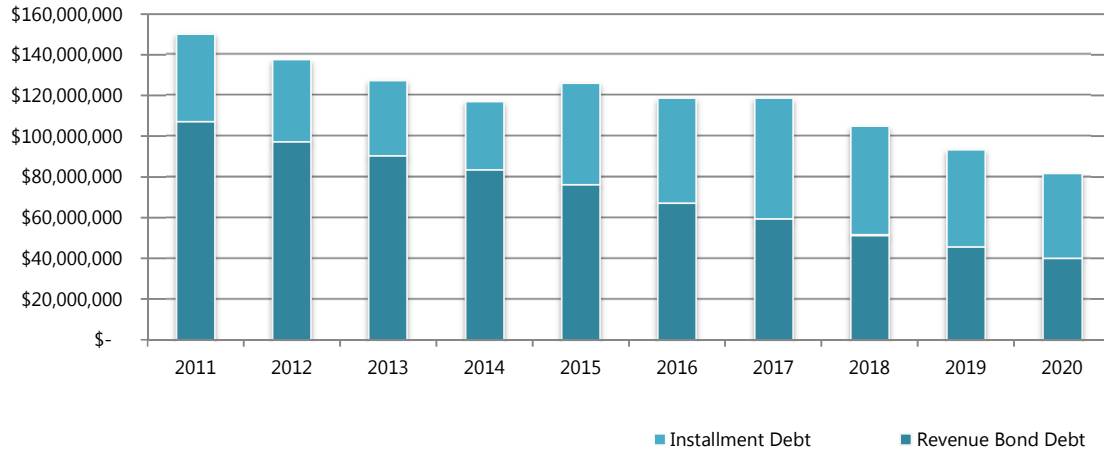
1. The City shall not exceed N.C.G.S. 159-55(c) limiting the amount of net bonded debt outstanding to 8% of appraised value of property subject to taxation, and
2. Annual G.O Bond debt service payments (principal and interest) shall not exceed 15% of the City's General Fund operating budget.

D. *Over or Underestimated Projects*

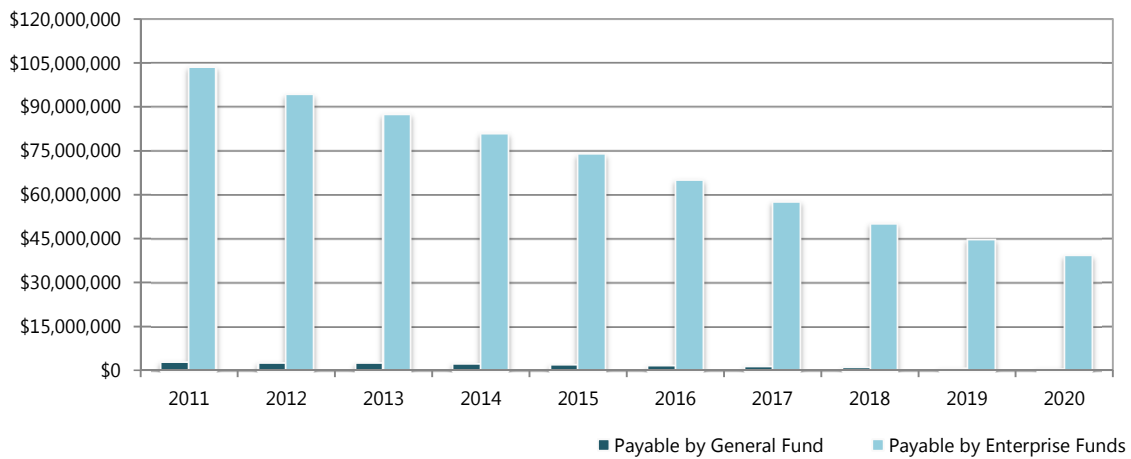
1. In the case of a capital project that is under or overestimated, projects will be evaluated on a case-by-case basis.

CITY DEBT SERVICE BY TYPE

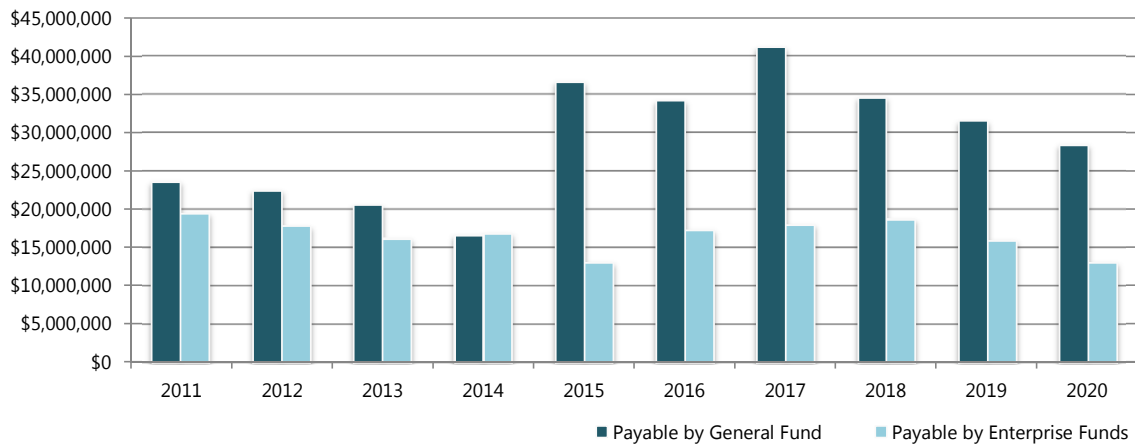
Total City Debt Principal by Financing Method



Revenue Bond Debt Principal



Loans & Installment Notes Principal



CAPITAL PROJECT ORDINANCE*BE IT ORDAINED BY THE CITY OF CONCORD, NORTH CAROLINA*

The following project expenditures and anticipated fund revenues are hereby appropriated for the construction of the City's various capital projects and funds for the fiscal year beginning July 1, 2016 and ending June 30, 2017.

SECTION 1: CAPITAL RESERVE PROJECTSGeneral Fund – Capital Reserve Fund 285

Transfer to Capital Projects	\$2,985,540	8150-5987000	
From Future Project Reserves		8150-5811082	\$2,985,540
	<u>\$2,985,540</u>		<u>\$2,985,540</u>

Utility Fund – Capital Reserve Fund 282

Future Electric Projects	\$941,948	8120-5811081	
Future Water Projects	\$960,000	8120-5811088	
Future Wastewater Projects	\$324,000	8120-5811089	
From Electric Fund		282-4501610	\$941,948
From Water Fund		282-4501620	\$960,000
From Wastewater Fund		282-4501640	\$324,000
	<u>\$2,225,948</u>		<u>\$2,225,948</u>

SECTION 2: GENERAL FUND CAPITAL PROJECTSRecreation Projects Fund 420

Hartsell Rec. Center Improvements	\$1,815,000	8300-5811085	
H. Henry Greenway Airport Connector	\$52,500	8311-5811014	
Fink Greenway Phase	\$1,311,000	8312-5811017	
Burrage Road House Improvements	\$309,540	8300-5811090	
H. Henry Greenway Riverwalk	\$50,000	8311-5811010	
McEachern – Cabarrus Avenue	\$100,000	8312-5811012	
From the General Fund		420-4501100	\$1,202,500
From General Capital Reserve		420-4501285	\$2,435,540
	<u>\$3,638,040</u>		<u>\$3,638,040</u>

General Projects Fund 430

BOC Gym	\$40,000	8800-5811247	
Les Myers Environmental Investigation	\$80,000	8804-5811001	
Fiber Network Extension	\$216,000	8804-5811235	
Transfer from General Fund		430-4501100	\$183,437
Transfer from Stormwater Fund		430-4501600	\$4,571
Transfer from Electric Fund		430-4501610	\$29,311
Transfer from Water Fund		430-4501620	\$23,598
Transfer from Aviation Fund		430-4501680	\$8,227
Transfer from Wastewater Fund		430-4501640	\$6,856
Grant		430-4603000	\$80,000
	<u>\$336,000</u>		<u>\$336,000</u>

SECTION 3: OTHER FUND CAPITAL PROJECTSTransportation Projects Fund 423

Infrastructure (Sidewalks)	\$150,000	8600-5585000	
Derita Road	\$75,000	8600-5811205	
Traffic Management Center	\$1,100,000	8600-5811228	
Concord Mills Flyover	\$1,500,000	8600-5811250	
Future Project Reserves	\$178,410	8600-5811082	
Vehicle Licenses \$5 Fee		423-4324250	\$350,000

Transfer from General Fund		423-4501100	\$2,028,410
Transfer from General Capital Reserve		423-4201285	\$550,000
Developer Contributions		423-4343352	\$75,000
	<u>\$3,003,410</u>		<u>\$3,003,410</u>

Stormwater Projects Fund 474

Hanover Culvert	\$278,000	7103-5811251	
Chelwood Culvert	\$491,000	7103-5811239	
Stream Restoration	\$362,892	7102-5811201	
Transfer from Stormwater Fund		474-4501600	\$1,131,892
	<u>\$1,131,892</u>		<u>\$1,131,892</u>

Electric Projects Fund 473

Sub M Relay Station	\$495,000	6949-5801144	
Substation P	\$2,500,000	6949-5801145	
Sub C Relay Station	\$935,000	6949-5801146	
Transfer from Electric Fund		473-4501610	\$3,930,000
	<u>\$3,930,000</u>		<u>\$3,930,000</u>

Water Projects Fund 429

George Liles Blvd Line	\$282,430	8700-5801126	
Derita	\$125,000	8700-5811205	
Coddle Creek Basin Upgrades	\$225,000	8700-5811317	
Plant Security	\$100,000	8700-5811318	
Sampling Station	\$100,000	8700-5811319	
Coddle Creek –Line & Meter	\$1,190,000	8700-5811320	
Transfer from Water Fund		429-4501620	\$2,022,430
	<u>\$2,022,430</u>		<u>\$2,022,430</u>

Wastewater Projects Fund 421

Accent Avenue Outfall Replacement	\$590,000	8402-5801147	
Transfer from Wastewater Fund		421-4501640	\$590,000
	<u>\$590,000</u>		<u>\$590,000</u>

Golf Projects Fund 475

Irrigation & Bunker Repairs	\$199,650	7550-5811402	
Transfer from General Fund		475-4501100	\$199,650
	<u>\$199,650</u>		<u>\$199,650</u>

Aviation Projects Fund 451

Security Fencing	\$1,749,625	6300-5593000	
Transfer from Aviation Fund		451-4501680	\$87,481
State Grant		451-4357000	\$87,481
Federal Grant		451-4357300	1,574,663
	<u>\$1,749,625</u>		<u>\$1,749,625</u>

SECTION 4: SPECIAL AUTHORIZATION – CITY MANAGER

- a. The City Manager (or his/her designee if sum is under \$10,000) shall be authorized to reallocate departmental appropriations among the various objects of expenditures, as he believes necessary.
- b. The City Manager shall be authorized to effect interdepartmental transfers in the same fund, not to exceed 10 percent of the appropriated monies for the department whose allocation is reduced.
- c. Interfund transfers, which are already established in the capital improvement budget document, may be accomplished without recourse to the Council.
- d. Projects that are complete and inactive for at least one year may be closed without recourse to the Council.

SECTION 5: RESTRICTIONS – CITY MANAGER

- a. The interfund transfer of monies, except as noted in Section 4, Paragraph C, shall be accomplished with Council authorization only.
- b. Any unused funds may be reappropriated to other funds with Council authorization only.

SECTION 6: UTILITIZATION OF CAPITAL IMPROVEMENTS BUDGET

This ordinance shall be the basis of the financial plan for capital improvement projects for the City of Concord during FY 2016-17. The above revenues/expenditures shall extend from year to year until each individual project is completed and closed.

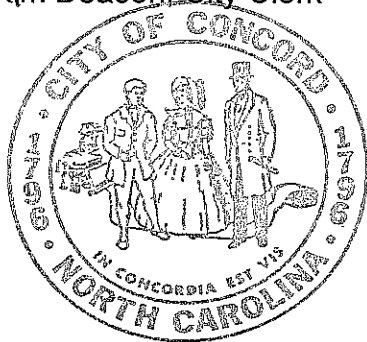
This Ordinance is approved and adopted this 9th day of June 2016.

CITY COUNCIL
CITY OF CONCORD
NORTH CAROLINA


J. Scott Padgett, Mayor

ATTEST:


Kim Deason, City Clerk




Valerie Kolczynski, City Attorney

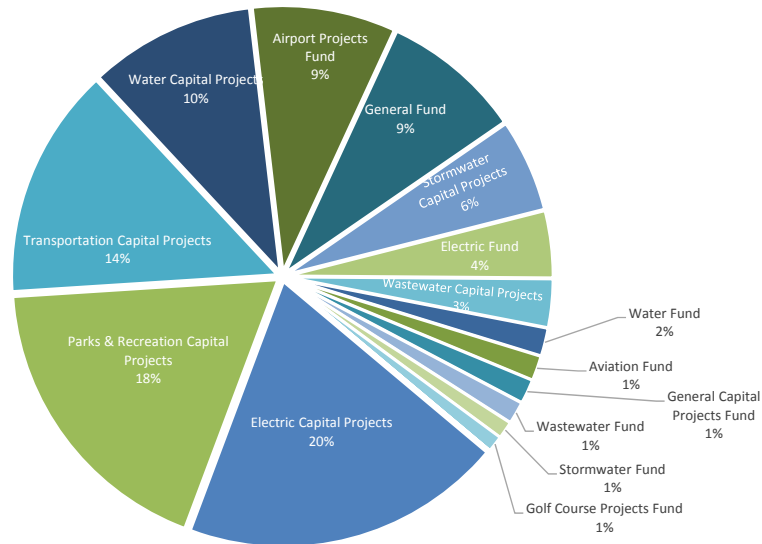
***DETAILED CIP
PROJECT
INFORMATION***

Citywide CIP Expenditures

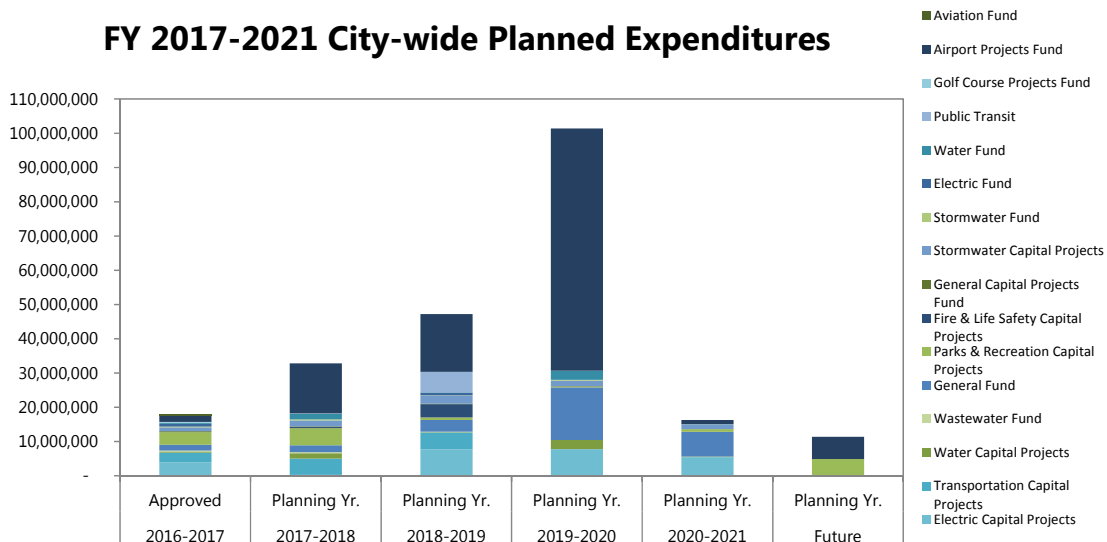
By Fund	2016-2017 Approved	2017-2018 Planning Yr.	2018-2019 Planning Yr.	2019-2020 Planning Yr.	2020-2021 Planning Yr.	Future Planning Yr.
General Fund	1,710,000	1,985,000	3,430,000	15,367,337	7,226,590	185,000
Parks & Recreation Capital Projects	3,665,027	5,025,472	741,400	253,110	785,000	4,715,000
Transportation Capital Projects	2,825,000	4,748,800	4,948,800	150,000	150,000	-
Fire & Life Safety Capital Projects	-	319,921	3,862,267	-	-	-
General Capital Projects Fund	296,000	150,000	150,000	150,000	-	-
Stormwater Capital Projects	1,131,892	1,734,610	2,305,000	1,574,000	1,290,000	-
Stormwater Fund	210,000	325,000	100,000	222,650	-	-
Electric Capital Projects	3,930,000	275,000	7,701,912	7,670,297	5,351,651	-
Electric Fund	815,000	-	790,000	-	-	-
Water Capital Projects	2,022,430	2,620,470	4,307,655	500,000	5,229,303	-
Water Fund	340,000	1,585,000	100,000	2,628,000	130,000	-
Public Transit	-	-	6,000,000	50,000	50,000	-
Wastewater Capital Projects	590,000	-	100,000	-	-	-
Wastewater Fund	270,000	325,000	148,550	-	-	-
Golf Course Projects Fund	199,650	150,000	-	-	-	-
Airport Projects Fund	1,749,625	14,628,675	16,826,000	70,710,000	1,200,000	6,500,000
Aviation Fund	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 20,054,624	\$ 33,872,948	\$ 51,511,584	\$ 99,275,394	\$ 21,412,544	\$ 11,400,000

FY 2017 Citywide CIP Expenditures

(by Fund Type)



FY 2017-2021 City-wide Planned Expenditures



Capital Improvement Plan (CIP)

Functional Area/ Budget Unit	Project Name	Primary Funding Sources	Prior Year Funding	FY 2017 Budget	Impact on FY 2017 Operating Budget	FY 2018 Budget	Impact on FY 2018 Operating Budget	FY 2019 Budget	Impact on FY 2019 Operating Budget	FY 2020 Budget	Impact on FY 2020 Operating Budget	FY 2021 Budget	Impact on FY 2021 Operating Budget	Future (remainder of project)	Total Budget Impact
GENERAL FUND - 100															
General Government															
Non-Departmental 4190	Operations Center Improvements - Upper Laydown Yard	Capital Reserve				490,000									490,000
	Operations Center Improvements - Parking & Access Road	Capital Reserve						950,000	100,000						1,050,000
	Operations Center Improvements - New Equipment Shelter	Capital Reserve								1,465,000	200,000				1,665,000
General Government CIP Total				0	0	490,000	0	950,000	100,000	1,465,000	200,000	0	0	0	3,205,000
Public Safety															
Fire Operations 4340	Replacement of Aerial Ladder FD 203	Operating Revenue		1,400,000											1,400,000
	Purchase of Replacement Pumper FD 111	Capital Reserve, Operating Revenue				680,000									680,000
	Purchase of Replacement Pumpers FD 112 & FD 113	Capital Reserve, Operating Revenue						1,400,000							1,400,000
	New Engine Company & Crew for Fire Station 11	Capital Reserve, Operating Revenue								734,250	943,087				1,677,337
	Vehicle Exhaust System	Operating Revenue										140,000			140,000
	Land Acquisition for Fire Station 17	Capital Reserve										350,000			350,000
	Fire Apparatus Tanker	Capital Reserve										465,000			465,000
	Training Facility	Capital Reserve										5,986,590			5,986,590
Emergency Management 4343	Replacement Mobile Command Unit	Capital Reserve				500,000									500,000
Public Safety CIP Total				1,400,000	0	1,180,000	0	1,400,000	0	734,250	943,087	6,941,590	0	0	12,598,927
Public Works															
Solid Waste & Recycling 4520	Replacement Knuckleboom Truck SWR 436	Operating Revenue		140,000											140,000
	Replacement Rearloader Garbage Truck SWR 437	Operating Revenue		170,000											170,000
	Replacement Rearloader Garbage Truck SWR 432	Operating Revenue				170,000									170,000
	Replacement Knuckleboom Truck SWR 445	Operating Revenue				145,000									145,000
	Replacement Rolloff Truck SWR 428	Operating Revenue						200,000							200,000
	Replacement Dump Truck SWR443	Operating Revenue								105,000					105,000
	Replacement Dump Truck SWR438	Operating Revenue										105,000			105,000
	Replacement Rearloader SWR449	Operating Revenue												185,000	185,000
	Replacement Rearloader SWR446	Operating Revenue										180,000			180,000
Fleet Services 4550	Fleet Services Facility	Debt Financing						780,000		11,920,000					12,700,000
Public Works CIP Total				310,000	0	315,000	0	980,000	0	12,025,000	0	285,000	0	185,000	14,100,000
GENERAL FUND CIP TOTAL - EXPENSE				1,710,000	0	1,985,000	0	3,330,000	100,000	14,224,250	1,143,087	7,226,590	0	185,000	29,903,927
GENERAL FUND- Revenue Sources & Totals															
				Operating Revenue		1,710,000	390,000	350,000	100,000	105,000	1,143,087	425,000	185,000	4,408,087	
				Debt Financing				780,000		11,920,000				12,700,000	
				Capital Reserve			1,595,000	2,200,000		2,199,250	6,801,590			12,795,840	
GENERAL FUND CIP TOTAL - REVENUE				1,710,000	0	1,985,000	0	3,330,000	100,000	14,224,250	1,143,087	7,226,590	0	185,000	29,903,927
PARKS & RECREATION CAPITAL PROJECTS FUND - 420															
Parks & Recreation Capital Projects															
McEachern Greenway 8312	Cabarrus Avenue Development	Transfer from Gen Fund	1,096,330	100,000											100,000
Hector H Henry II Greenway 8311	Airport Phase	Transfer from Gen Fund, Capital Reserve, Grants	28,000	52,500		1,365,000					103,110				1,520,610
	Riverwalk Phase Development	Transfer from Gen Fund, Operating Revenue	395,585	50,000		1,575,000		5,000							1,630,000
Parks & Rec Projects 8300	Burrage Road House Renovations	Transfer from General Capital Reserve, Operating Revenue		309,540	26,987										336,527
	Hartsell Recreation Center Renovations	Transfer from General Capital Reserve	110,550	1,815,000			45,362								1,860,362
Parks 8313	Northwest Park Development	Transfer from Gen Fund, Operating Revenue	5,031			800,000			37,000						837,000
McEachern Greenway 8312	Hospital Phase Development	Grants, Transfer from General Fund				42,000		449,400							491,400
	Fink Phase Development	Transfer from Gen Fund, General Capital Reserve		1,311,000			103,110								1,414,110
Parks & Rec Projects 8300	Webb Field Renovations	Transfer from Gen Fund, Operating Revenue				500,000									500,000
	Hartsell Ballfield Complex Renovations	Transfer from Gen Fund				345,000									345,000
	Park Lighting Project	Transfer from Gen Fund	56,491			250,000		250,000		150,000					650,000
	Coddle Creek Greenway	Transfer from Gen Fund										445,000	3,055,000		3,500,000
	Irish Buffalo Creek Greenway	Transfer from Gen Fund, Grants										340,000	1,660,000		2,000,000

Functional Area/ Budget Unit	Project Name	Primary Funding Sources	Prior Year Funding	FY 2017 Budget	Impact on FY 2017 Operating Budget	FY 2018 Budget	Impact on FY 2018 Operating Budget	FY 2019 Budget	Impact on FY 2019 Operating Budget	FY 2020 Budget	Impact on FY 2020 Operating Budget	FY 2021 Budget	Impact on FY 2021 Operating Budget	Future (remainder of project)	Total Budget Impact
PARKS & RECREATION CAPITAL PROJECTS FUND CIP TOTAL - EXPENSE			172,072	3,638,040	26,987	4,877,000	148,472	699,400	42,000	150,000	103,110	785,000	0	4,715,000	15,185,009
PARKS & RECREATION CAPITAL PROJECTS FUND-Revenue Sources & Totals															
Operating Revenue					26,987		148,472		42,000		103,110				320,569
State/Federal Funding						400,000		428,000			340,000				1,168,000
Transfer from General Fund				1,202,500		3,512,000		271,400		150,000		445,000		4,715,000	10,295,900
Capital Reserve				2,435,540		965,000									3,400,540
PARKS & RECREATION FUND CIP TOTAL - REVENUE				3,638,040	26,987	4,877,000	148,472	699,400	42,000	150,000	103,110	785,000	0	4,715,000	15,185,009
TRANSPORTATION CAPITAL PROJECTS FUND - 423															
Street Projects 8600	Traffic Management Center	Transfer from General Capital Reserve, Vehicle Fees	2,197,500	1,100,000											1,100,000
	Infrastructure Projects - Pedestrian Improvement Sidewalks	Vehicle Fees		150,000		150,000		150,000		150,000		150,000			750,000
	Concord Mills Blvd Flyover	Vehicle Fees		1,500,000											1,500,000
	Brookwood Ave NE Corridor Enhancement	Vehicle Fees	2,602,400			1,798,800		1,798,800							3,597,600
	Bruton Smith Blvd Pedestrian Improvements	Vehicle Fees				800,000									800,000
	Realignment of Union Cemetery Rd	Vehicle Fees				2,000,000		3,000,000							5,000,000
	Derita Road Construction	Developer Contributions	3,780,000	75,000											75,000
TRANSPORTATION CAPITAL PROJECTS FUND CIP TOTAL - EXPENSE			0	2,825,000	0	4,748,800	0	4,948,800	0	150,000	0	150,000	0	0	12,822,600
TRANSPORTATION CAPITAL PROJECTS FUND-Revenue Sources & Totals															
Transfer from General Capital Reserve				550,000											550,000
Transfer from Gen Fund Vehicle Fees				2,200,000		4,748,800		4,948,800		150,000		150,000			12,197,600
Developer Contributions				75,000											75,000
TRANSPORTATION CAPITAL PROJECTS FUND CIP TOTAL - REVENUE				2,825,000	0	4,748,800	0	4,948,800	0	150,000	0	150,000	0	0	12,822,600
FIRE & LIFE SAFETY PROJECTS FUND - 426															
Fire & Life Safety Projects	Fire Station #10 Permanent Station	Transfer from General Capital Reserve				319,921		3,862,267							4,182,188
FIRE & LIFE SAFETY PROJECTS FUND CIP TOTAL - EXPENSE			0	0	0	319,921	0	3,862,267	0	0	0	0	0	0	4,182,188
FIRE & LIFE SAFETY PROJECTS FUND-Revenue Sources & Totals															
Transfer from General Fund						319,921									319,921
Capital Reserve								3,862,267							3,862,267
FIRE & LIFE SAFETY PROJECTS FUND CIP TOTAL - REVENUE			0	0	0	319,921	0	3,862,267	0	0	0	0	0	0	4,182,188
GENERAL FUND CAPITAL PROJECTS FUND - 430															
General Projects 8804	Les Myers Park Environmental/Remedial Investigation	Grant	140,000	80,000											80,000
	Fiber Network Extension	Transfers from City Departments	600,000	216,000		150,000		150,000		150,000					666,000
GENERAL CAPITAL PROJECTS FUND CIP TOTAL - EXPENSE			740,000	296,000	0	150,000	0	150,000	0	150,000	0	0	0	0	746,000
GENERAL CAPITAL PROJECTS FUND-Revenue Sources & Totals															
Transfers from City Departments				216,000		150,000		150,000		150,000					666,000
Grant				80,000											80,000
GENERAL CAPITAL PROJECTS FUND CIP TOTAL - REVENUE			0	296,000	0	150,000	0	150,000	0	150,000	0	0	0	0	746,000
STORMWATER PROJECTS FUND - 474															
Stream Restoration 7102	Stream Restoration Project	Transfer from Stormwater	927,631	362,892		465,610									828,502
Stormwater Projects 7103	Chelwood Drive Culvert Replacement	Transfer from Stormwater	573,681	491,000											491,000
	Hanover Circle Culvert Replacement	Transfer from Stormwater		278,000		149,000									427,000
	Havencrest Court Culvert Replacement	Transfer from Stormwater				707,000									707,000
	Kerr Street Culvert Replacement	Transfer from Stormwater				413,000									413,000
	Duval Street Culvert Replacement	Transfer from Stormwater						685,000							685,000
	Dylan Place Culvert Replacement Upper & Lower	Transfer from Stormwater						957,000							957,000
	Farmwood Boulevard Culvert Replacement	Transfer from Stormwater						663,000							663,000
	Bridlewood Drive Culvert Replacement	Transfer from Stormwater							1,022,000						1,022,000
	Miramar Culvert Replacement	Transfer from Stormwater							552,000		572,000				1,124,000
	Glenwood Drive Culvert Replacement	Transfer from Stormwater									718,000				718,000
STORMWATER PROJECTS FUND CIP TOTAL - EXPENSE				1,131,892	0	1,734,610	0	2,305,000	0	1,574,000	0	1,290,000	0	0	8,035,502
STORMWATER PROJECTS FUND-Revenue Sources & Totals															
Transfer from Stormwater				1,131,892		1,734,610		2,305,000		1,574,000		1,290,000			8,035,502
STORMWATER PROJECTS FUND CIP TOTAL - REVENUE				1,131,892	0	1,734,610	0	2,305,000	0	1,574,000	0	1,290,000	0	0	8,035,502
STORMWATER FUND - 600															
Stormwater	Ford F550 Truck w/Crane Replacement SW 434	Operating Revenue		100,000											100,000
	Jet-Vac Truck Replacement SW 318	Operating Revenue		110,000											110,000
	Jet-Vac Truck Replacement SW 318	Operating Revenue				325,000									325,000
	Dump Truck Replacement SW 401	Operating Revenue						100,000							100,000
	Camera Truck Replacement SW 321	Operating Revenue								222,650					222,650
STORMWATER FUND CIP TOTAL - EXPENSE				210,000	0	325,000	0	100,000	0	222,650	0	0	0	0	857,650
STORMWATER FUND-Revenue Sources & Totals															
Operating Revenue				210,000		325,000		100,000		222,650					857,650
STORMWATER FUND CIP TOTAL - REVENUE				210,000	0	325,000	0	100,000	0	222,650	0	0	0	0	857,650
ELECTRIC PROJECT FUND - 473															

Functional Area/ Budget Unit	Project Name	Primary Funding Sources	Prior Year Funding	FY 2017 Budget	Impact on FY 2017 Operating Budget	FY 2018 Budget	Impact on FY 2018 Operating Budget	FY 2019 Budget	Impact on FY 2019 Operating Budget	FY 2020 Budget	Impact on FY 2020 Operating Budget	FY 2021 Budget	Impact on FY 2021 Operating Budget	Future (remainder of project)	Total Budget Impact	
Electric Projects 6949	Solid State Relay Conversion for Sub M	Transfer from Electric		495,000											495,000	
	Solid State Relay Conversion for Sub C	Transfer from Electric		935,000											935,000	
	Solid State Relay Conversion for Delivery 3	Transfer from Electric				275,000									275,000	
	New Delivery #4 & 100 kV Interconnected - Phase 1	Revenue Bonds						7,701,912							7,701,912	
	Construction of 100 kV Sub at Delivery #4 - Phase 2	Revenue Bonds										5,351,651			5,351,651	
	Delivery #1 Replacement	Revenue Bonds								2,000,000					2,000,000	
	100 kV Transmission System - Close Western Loop	Revenue Bonds								5,670,297					5,670,297	
	Construction of New Substation P NC49/US601	Transfer from Electric		2,500,000											2,500,000	
ELECTRIC PROJECT FUND CIP TOTAL - EXPENSE				3,930,000	0	275,000	0	7,701,912	0	7,670,297	0	5,351,651	0	0	24,928,860	
ELECTRIC FUND-Revenue Sources & Totals																
Transfer from Electric Debt Financing				3,930,000		275,000		7,701,912		7,670,297		5,351,651			4,205,000	
ELECTRIC PROJECT FUND CIP TOTAL - REVENUE				3,930,000	0	275,000	0	7,701,912	0	7,670,297	0	5,351,651	0	0	24,928,860	
ELECTRIC FUND - 610																
Electric Construction	Replace E326 Bucket Truck	Operating Revenue		250,000											250,000	
	Replace E325 Bucket Truck	Operating Revenue		215,000											215,000	
	Replace E227 Bucket Truck	Operating Revenue		180,000											180,000	
	Bucket/Digger Derrick Utility Vehicles	Operating Revenue		170,000											170,000	
Tree Trimming	Replace E320 Bucket Truck	Operating Revenue						275,000							275,000	
Electric Construction	Replace E302 Bucket Truck	Operating Revenue						240,000							240,000	
Tree Trimming	Replacement of E305	Operating Revenue						275,000							275,000	
ELECTRIC FUND CIP TOTAL - EXPENSE				815,000	0	0	0	790,000	0	0	0	0	0	0	1,605,000	
ELECTRIC FUND-Revenue Sources & Totals																
Operating Revenue				815,000		0		790,000							1,605,000	
ELECTRIC FUND CIP TOTAL - REVENUE				815,000	0	0	0	790,000	0	0	0	0	0	0	1,605,000	
WATER PROJECTS FUND - 429																
Water Projects	George Liles Boulevard Waterline Phase 3	Transfer from Water	1,195,191	282,430		300,000									582,430	
	Derita Road Widening	Transfer from Water	500,000	125,000		625,000									750,000	
	Coddle Creek Settling Basin Upgrades	Transfer from Water		225,000		1,500,000		3,000,000							4,725,000	
	Security Improvements at Water Treatment Plants and Remote Sites	Transfer from Water		100,000											100,000	
	Sampling Stations for Distribution System	Transfer from Water		100,000											100,000	
	Raw Water Line & Flow Meter for Coddle Creek WTP	Retained Earnings Transfer from Water		1,190,000											1,190,000	
	Poplar Tent Road Water Main Extension	Transfer from Water										685,303			685,303	
	Highway 73 Water Main Connection to CMU	Transfer from Water										544,000			544,000	
	Highway 73 Water Line Kannapolis Parkway & Trinity Church Rd	Transfer from Water				195,470		1,107,655							1,303,125	
	Concord Mills Blvd Left Turn Flyover	Transfer from Water						200,000							200,000	
	Proposed NC49 Water Tank	Transfer from Water								500,000		4,000,000			4,500,000	
WATER PROJECTS FUND CIP TOTAL - EXPENSE				1,695,191	2,022,430	0	2,620,470	0	4,307,655	0	500,000	0	5,229,303	0	0	14,679,858
WATER PROJECTS FUND-Revenue Sources & Totals																
Transfer from Water				2,022,430		2,620,470		4,307,655		500,000		5,229,303			14,679,858	
WATER PROJECTS FUND CIP TOTAL - REVENUE				2,022,430	0	2,620,470	0	4,307,655	0	500,000	0	5,229,303	0	0	14,679,858	
WATER FUND - 620																
	PLC Cabinet Replacement at Coddle Creek WTP	Operating Revenue		150,000											150,000	
	MCC Lineup at Hillgrove WTP	Operating Revenue		190,000											190,000	
	Coddle Creek WTP Switchgear Replacement	Operating Revenue				1,485,000									1,485,000	
	Hillgrove Settling Basin Improvements	Operating Revenue				100,000				2,200,000					2,300,000	
	Hillgrove WTP Rapid Mix Basin Rehabilitation	Operating Revenue						100,000							100,000	
	Upgrade Basin Valve Actuators at Hillgrove WTP	Operating Revenue								200,000					200,000	
	Coddle Creek WTP Biofilter Installation	Operating Revenue								228,000					228,000	
	Resurface Clearwell #2 at Hillgrove WTP	Operating Revenue										130,000			130,000	
WATER FUND CIP TOTAL - EXPENSE				340,000	0	1,585,000	0	100,000	0	2,628,000	0	130,000	0	0	4,783,000	
WATER FUND-Revenue Sources & Totals																
Operating Revenue				340,000		1,585,000		100,000		2,628,000		130,000			4,783,000	
WATER FUND CIP TOTAL - REVENUE				340,000	0	1,585,000	0	100,000	0	2,628,000	0	130,000	0	0	4,783,000	
PUBLIC TRANSIT- 630																
Rider Transit System	Transit Operations & Maintenance Facility	Grant Revenue, Other Funding						6,000,000			50,000		50,000		6,100,000	

Functional Area/ Budget Unit	Project Name	Primary Funding Sources	Prior Year Funding	FY 2017 Budget	Impact on FY 2017 Operating Budget	FY 2018 Budget	Impact on FY 2018 Operating Budget	FY 2019 Budget	Impact on FY 2019 Operating Budget	FY 2020 Budget	Impact on FY 2020 Operating Budget	FY 2021 Budget	Impact on FY 2021 Operating Budget	Future (remainder of project)	Total Budget Impact
PUBLIC TRANSIT FUND CIP TOTAL - EXPENSE				0	0	0	0	6,000,000	0	0	50,000	0	50,000	0	6,100,000
PUBLIC TRANSIT FUND-Revenue Sources & Totals															
		Other						6,000,000			50,000		50,000		100,000
		State/Federal Funding													6,000,000
PUBLIC TRANSIT FUND CIP TOTAL - REVENUE				0	0	0	0	6,000,000	0	0	50,000	0	50,000	0	6,100,000
WASTEWATER PROJECTS FUND - 421															
Wastewater Projects 8402	Accent Ave Outfall	Transfer from Wastewater		590,000											590,000
	Concord Mills Boulevard Left Turn Flyover	Transfer from Wastewater						100,000							100,000
WASTEWATER FUND CIP TOTAL - EXPENSE				590,000	0	0	0	100,000	0	0	0	0	0	0	690,000
WASTEWATER FUND-Revenue Sources & Totals															
		Transfer from Wastewater		590,000				100,000							690,000
WASTEWATER FUND CIP TOTAL - REVENUE				590,000	0	0	0	100,000	0	0	0	0	0	0	690,000
WASTEWATER FUND - 640															
Wastewater Operations 7420	Excavator Replacement S 659	Operating Revenue		120,000											120,000
	Sewer Master Plan	Operating Revenue		150,000											150,000
	Jet-Vac Truck Replacement S657	Operating Revenue				325,000									325,000
	Rapid Response Truck S661	Operating Revenue						148,550							148,550
WASTEWATER FUND CIP TOTAL - EXPENSE				270,000	0	325,000	0	148,550	0	0	0	0	0	0	743,550
WASTEWATER FUND-Revenue Sources & Totals															
		Operating Revenue		270,000		325,000		148,550							743,550
WASTEWATER FUND CIP TOTAL - REVENUE				270,000	0	325,000	0	148,550	0	0	0	0	0	0	743,550
ROCKY RIVER GOLF COURSE PROJECT FUND - 475															
Golf Course Projects	Irrigation Repairs & Bunker Restoration	Operating Revenue		199,650		150,000									349,650
ROCKY RIVER GOLF PROJECTS FUND CIP TOTAL - EXPENSE				0	199,650	0	150,000	0	0	0	0	0	0	0	349,650
ROCKY RIVER GOLF PROJECTS FUND-Revenue Sources & Totals															
		Operating Revenue		199,650		150,000									349,650
ROCKY RIVER GOLF PROJECTS FUND CIP TOTAL - REVENUE				199,650	0	150,000	0	0	0	0	0	0	0	0	349,650
AIRPORT PROJECTS FUND - 451															
Airport Projects 6300	SDA Commercial Passenger Terminal Building Phase 2	Grant, Transfer from Aviation				7,382,000				8,000,000					15,382,000
	Airport Perimeter Security Fencing	Grants, Transfer from Aviation		1,749,625											1,749,625
	Airport Fuel Farm Addition	Transfer from Aviation				443,000									443,000
	Runway 20 EMAS	Grant, Transfer from Aviation				938,675		3,754,700							4,693,375
	South Development Apron Expansion Phase 2	Grant, Transfer from Aviation				250,000		5,914,000							6,164,000
	Ivy Cline Land Acquisition	Grant, Transfer from Aviation							3,400,000						3,400,000
	Airport Fire Station and Security Center	Grant, Transfer from Aviation				100,000		1,643,000							1,743,000
	Airport Hangar Taxilane Rehabilitation	Grant, Transfer from Aviation				100,000		2,060,000							2,160,000
	East Side Airport Land Acquisition Area	Grant, Transfer from Aviation				5,090,000									5,090,000
	East Side Commercial Airline Terminal Area	Revenue Bonds, Grants, Transportation Funds, Transfer from Aviation						600,000		40,000,000					40,600,000
	North Apron Expansion Phase 3	Grant, Transfer from Aviation						250,000		1,750,000					2,000,000
	New Relocated Airport Control Tower	Grant, Transfer from Aviation						200,000		3,500,000					3,700,000
	FBO Terminal Building Rehabilitation	Public-Private Partnership, Capital Reserve						580,000		12,800,000					13,380,000
	Corporate Hangar Development	Debt Financing											3,500,000		3,500,000
	Myint Lane Airport Access Road	Transfer from Aviation								700,000					700,000
	Myint Lane Airport Apron Development	Grant, Transfer from Aviation								150,000		1,200,000			1,350,000
	Airport Helipads	Grant, Transfer from Aviation								410,000					410,000
	North Internal Service Road	Grant, Transfer from Aviation				325,000		1,824,300							2,149,300
	Airport Land Acquisition - West Side	Grants, Transfer from Aviation											3,000,000		3,000,000
AIRPORT PROJECTS FUND CIP TOTAL - EXPENSE				1,749,625	0	14,628,675	0	16,826,000	0	70,710,000	0	1,200,000	0	6,500,000	111,614,300
AIRPORT PROJECTS FUND-Revenue Sources & Totals															
		Federal Grant		1,574,663		13,060,358		15,245,965		22,979,500		1,080,000		2,850,000	56,790,486
		State Grant		87,481		562,659		500,018		2,615,250		60,000		75,000	3,900,408
		Local Match		87,481		1,005,658		500,017		3,315,250		60,000		75,000	5,043,406
		Dedicated Transportation Funds								2,000,000					2,000,000
		Revenue Bonds								23,000,000			3,500,000		26,500,000
		Other								10,400,000					10,400,000
		Capital Reserve						580,000		6,400,000					6,980,000

<i>Functional Area/ Budget Unit</i>	<i>Project Name</i>	<i>Primary Funding Sources</i>	Prior Year Funding	FY 2017 Budget	Impact on FY 2017 Operating Budget	FY 2018 Budget	Impact on FY 2018 Operating Budget	FY 2019 Budget	Impact on FY 2019 Operating Budget	FY 2020 Budget	Impact on FY 2020 Operating Budget	FY 2021 Budget	Impact on FY 2021 Operating Budget	Future (remainder of project)	Total Budget Impact
AIRPORT PROJECTS FUND CIP TOTAL - REVENUE				1,749,625	0	14,628,675	0	16,826,000	0	70,710,000	0	1,200,000	0	6,500,000	111,614,300
AIPORT FUND - 680															
<i>Aviation</i>	Airport Master Plan Update	Grant, Operating Revenue		300,000											300,000
AIRPORT FUND CIP TOTAL - EXPENSE				300,000	0	0	0	0	0	0	0	0	0	0	300,000
AIPORT FUND-Revenue Sources & Totals															
		Federal Grant		280,000											280,000
		State Grant		10,000											10,000
		Local Match		10,000											10,000
AIPORT FUND CIP TOTAL - REVENUE				300,000	0	0	0	0	0	0	0	0	0	0	300,000
CITY OF CONCORD CIP PROJECT TOTAL			2,607,263	20,027,637	26,987	33,724,476	148,472	51,369,584	142,000	97,979,197	1,296,197	21,362,544	50,000	11,400,000	237,527,094

GENERAL FUND

OVERVIEW: The General Fund is a governmental fund used to account for all financial resources of the City, except those required to be accounted for in another fund. Revenues to support the General Fund are derived from sources such as property taxes, sales tax, franchise fees, and service fees. The General Fund is comprised of five functions: General Government, Public Safety, Public Works, Economic Development, and Cultural & Recreational.

FUNCTIONAL AREAS:

General Government: General Government serves as the support function, assisting all City Departments in the conduct of their daily operations. General Government is comprised of the Governing Body, Public Services Administration, the City Manager's Office, Human Resources, the Wellness Center, Finance, Tax, Legal, and Non-Departmental.

Public Safety: Public Safety serves as the safety and security function, providing assistance to all City residents with life and property protection. Public Safety is comprised of Police, Code Enforcement, Communications, Radio Shop, Fire, Fire Prevention, Fire Training, and Emergency Management.

Public Works: Public Works serves as the General Fund's infrastructure function, providing basic services to both City departments and residents of Concord. Public Works is comprised of Streets & Traffic, Powell Bill, Traffic Signals, Traffic Services, Solid Waste & Recycling, Cemeteries, and Fleet.

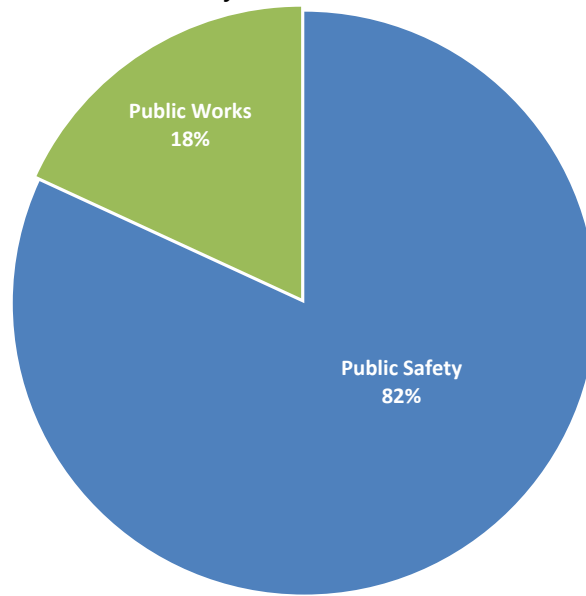
Economic Development: Economic Development serves as the business and residential development, land-use planning, transportation planning, and development coordinator for the City of Concord. Economic Development is comprised of Planning & Neighborhood Development, Transportation Planning, and Economic Development.

Cultural & Recreational: Cultural & Recreational provides recreational opportunities to the citizens of Concord through provision of recreational services, parks, and facilities. Cultural & Recreational is comprised of Parks & Recreation and Parks & Recreation – Aquatics.

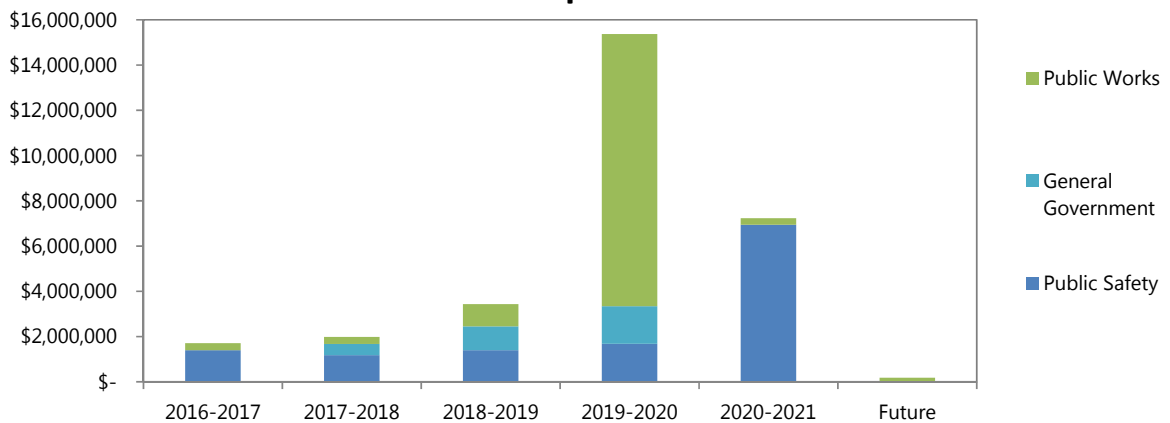
General Fund Expenditures

Fund 100						
	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	Future
	Approved	Planning Yr.	Planning Yr.	Planning Yr.	Planning Yr.	Planning Yr.
By Function						
General Government	\$ -	\$ 490,000	\$ 1,050,000	\$ 1,665,000	\$ -	\$ -
Public Safety	\$ 1,400,000	\$ 1,180,000	\$ 1,400,000	\$ 1,677,337	\$ 6,941,590	\$ -
Public Works	\$ 310,000	\$ 315,000	\$ 980,000	\$ 12,025,000	\$ 285,000	\$ 185,000
Total Expenditures	\$ 1,710,000	\$ 1,985,000	\$ 3,430,000	\$ 15,367,337	\$ 7,226,590	\$ 185,000

FY 2017 General Fund Expenditures
(by Function)



FY 2017-21 General Fund Planned Expenditures



Section 1	Project Title	Operations Center Improvements - Upper Laydown Yard				Budget Unit #	4190		
Budget Unit	Non-Departmental	Functional Area	General Government			Priority Rank	1		
Total Project Cost		Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
490,000	0	0	490,000	0	0	0	490,000		

Section 2 Description of Capital Item

Several inventory items and utility materials require outdoor storage space due to indoor storage limitations. As services continue to expand, additional shelter space will be needed for heavy-duty utility vehicles and equipment which will absorb the existing outdoor storage space. A 3.5 acre, former landfill area was recommended in the Operations Center's Master Plan to provide this needed future outdoor storage space. The road accessing this site will need to be reinforced to support increased traffic demands.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

A space needs study was conducted for the Alfred M. Brown Operations Center between 2008 and 2009. This master plan projected 20 years of improvement needs. Phase 1 of this plan included the development of a 3.5 acre laydown yard on City property behind the area leased to the County for hazardous materials/white goods collection and animal control operations.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	490,000	0	0	0	0	490,000
Total Capital Cost Est.	0	490,000	0	0	0	0	490,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	490,000	0	0	0	0	490,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	490,000	0	0	0	0	490,000
Total Program Financing	0	490,000	0	0	0	0	490,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Transportation: Input will be needed to ensure the appropriate turning radius at the access road connection to the rear entrance road into the Operations Center.

Electric Systems: The upper laydown yard will need to be lit to allow 24-hour access to materials.

Section 1	Project Title Operations Center Improvements - Parking & Access Rd					Budget Unit #	4190		
Budget Unit	Non-Departmental		Functional Area General Government		Priority Rank	2			
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
1,050,000	0	0	0	1,050,000	0	0	1,050,000		

Section 2 Description of Capital Item

The existing employee parking area at the Alfred M. Brown Operations Center is near capacity, making it difficult to host training events and City-wide functions. This project increases the number of parking spaces and provides an access road that minimizes conflicts between personal vehicles and City vehicles.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

A space needs study was conducted for the Operations Center between 2008 and 2009. This master plan projected 20 years of improvement needs. Phase 1 of this plan included an addition to the existing employee parking lot, a new parking area behind the Administration Building, and an access road from the current entrance road (behind the employee parking lot) to the new parking area behind Administration.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	0	950,000	0	0	0	950,000
Total Capital Cost Est.	0	0	950,000	0	0	0	950,000
Total Oper. Impact Est.	0	0	100,000	0	0	0	100,000
Total Expenditure Est.	0	0	1,050,000	0	0	0	1,050,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prof & Consult Services	0	0	100,000	0	0	0	100,000
Total	0	0	100,000	0	0	0	100,000

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	0	1,050,000	0	0	0	1,050,000
Total Program Financing	0	0	1,050,000	0	0	0	1,050,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Operations Center Improvements - New Equipment Shelter					Budget Unit #	4190		
Budget Unit	Non-Departmental		Functional Area General Government		Priority Rank		3		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
1,665,000	0	0	0	0	1,665,000	0	1,665,000		

Section 2 Description of Capital Item

Facilities that house the City's infrastructure equipment, materials, and staff must be able to accommodate the City's changing needs. Within the next five years, it is anticipated that additional covered storage will be needed to protect an expanding fleet of heavy-duty vehicles and sensitive equipment from sun and rain exposure. This project includes the construction of a shelter similar in size and character to the existing equipment shelters and two smaller-scale, 3-sided metal buildings.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

A space needs study was conducted for the Alfred M Brown Operations Center between 2008 and 2009. This master plan projected 20 years of improvement needs. Phase 1 of this plan included the construction of three new equipment shelters and the extension of the four existing equipment shelters.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	0	0	765,000	0	0	765,000
Construction - Building/Utility	0	0	0	700,000	0	0	700,000
Total Capital Cost Est.	0	0	0	1,465,000	0	0	1,465,000
Total Oper. Impact Est.	0	0	0	200,000	0	0	200,000
Total Expenditure Est.	0	0	0	1,665,000	0	0	1,665,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prof & Consult Services	0	0	0	200,000	0	0	200,000
Total	0	0	0	200,000	0	0	200,000

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	0	0	1,665,000	0	0	1,665,000
Total Program Financing	0	0	0	1,665,000	0	0	1,665,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Replacement of Aerial FD 203				Budget Unit #	4340		
Budget Unit	Fire	Functional Area	Public Safety			Priority Rank	1		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
			<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation			<input type="checkbox"/> Land/ROW Acq. Required		
1,400,000	0	1,400,000	0	0	0	0	1,400,000		

Section 2 Description of Capital Item

This project involves the purchase of one (1) 100' Ladder Truck to replace FD-203 in FY17.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The Department's guidelines and National Standards recommend aerial apparatus be in front-line service for 15 years and in reserve for 5 years. This 1996 Spartan unit will have been in front-line service for 15 years and needs to be placed in reserve status or surplus. The apparatus is equipped with only a 75' ladder, which is insufficient for some territories in the City. Because this unit was assigned as a general engine company, it has begun to experience chronic maintenance issues that will require it to be removed from service for safety reasons in the timeframe listed.

History and Current Status; Impact if Cancelled or Delayed

As fire apparatus remains in service after experiencing its useful life, the total cost of maintenance/repairs may approach its original acquisition price.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	1,300,000	0	0	0	0	0	1,300,000
Light Equip/ Furniture	100,000	0	0	0	0	0	100,000
Total Capital Cost Est.	1,400,000	0	0	0	0	0	1,400,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	1,400,000	0	0	0	0	0	1,400,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Installment Purchase	1,300,000	0	0	0	0	0	1,300,000
Operating Revenue	100,000	0	0	0	0	0	100,000
Total Program Financing	1,400,000	0	0	0	0	0	1,400,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Fleet Servicestal
Appropriations
to date

Section 1	Project Title	Purchase of Replacement Pumper FD-111				Budget Unit #	4340		
Budget Unit	Fire	Functional Area	Public Safety			Priority Rank	3		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			Land/ROW Acq. Required						
680,000	0	0	680,000	0	0	0	680,000		

Section 2 Description of Capital Item

This project would involve purchase of one (1) pumper to replace FD-111. The old unit would then become a reserve pumper.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The Department's guidelines and National Standards recommend pumper apparatus be in front-line service for 12 years and in reserve for 5 years. This 2004 Pierce unit will have been in front-line service for 12 years and will need to be placed in reserve status in order to provide a reliable reserve unit.

History and Current Status; Impact if Cancelled or Delayed

As fire apparatus remains in service after experiencing its useful life, the total maintenance and repair expenses for the unit may approach its original acquisition cost.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	605,000	0	0	0	0	605,000
Light Equip/ Furniture	0	75,000	0	0	0	0	75,000
Total Capital Cost Est.	0	680,000	0	0	0	0	680,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	680,000	0	0	0	0	680,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	605,000	0	0	0	0	605,000
Operating Revenue	0	75,000	0	0	0	0	75,000
Total Program Financing	0	680,000	0	0	0	0	680,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Fleet Services.

Section 1	Project Title	Purchase of Replacement Pumpers FD-112 & FD-113				Budget Unit #	4340		
Budget Unit	Fire	Functional Area	Public Safety			Priority Rank	4		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
1,400,000	0	0	0	1,400,000	0	0	1,400,000		

Section 2 Description of Capital Item

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The Department's guidelines and National Standards recommend pumper apparatus be in front-line service for 12 years and then in reserve for 5 years. These units are 2004 Pierce trucks and will have been in front-line service for more than 12 years. They need to be placed in reserve status to provide reliable reserve units.

History and Current Status; Impact if Cancelled or Delayed

As fire apparatus remain in service beyond their useful life, the total maintenance and repair expenditures can be more than the original acquisition cost.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	1,250,000	0	0	0	1,250,000
Light Equip/ Furniture	0	0	150,000	0	0	0	150,000
Total Capital Cost Est.	0	0	1,400,000	0	0	0	1,400,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	1,400,000	0	0	0	1,400,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	0	1,250,000	0	0	0	1,250,000
Operating Revenue	0	0	150,000	0	0	0	150,000
Total Program Financing	0	0	1,400,000	0	0	0	1,400,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Fleet Services.

Section 1	Project Title	New Engine Company and Crew for Fire Station 11				Budget Unit #	4340		
Budget Unit	Fire	Functional Area	Public Safety			Priority Rank	5		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
1,677,337	0	0	0	0	1,677,337	0	1,677,337		

Section 2 Description of Capital Item

Fire Station #11 will need to purchase a new engine and the staff necessary to operate the station..

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project involves the purchase of one new engine company with the necessary equipment and staffing to place a new engine company in service in the Concord Mills Mall area.

History and Current Status; Impact if Cancelled or Delayed

This engine company would be assigned to Fire Station #11 and will serve the Concord Mills Mall area. It will relieve pressure on the Ladder Company currently assigned at the station. Ladder companies are not designed to respond to EMS calls and other typical engine company calls (car fires, dumpster fires, etc.) Current ISO standards call for an engine company to respond within 1.5 miles of structures and a ladder company to respond within 2.5 miles of required structures. The current ladder assigned to Station #11 can be counted for the ladder company or the engine company but not both according to current ISO standards.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	0	734,250	0	0	734,250
Total Capital Cost Est.	0	0	0	734,250	0	0	734,250
Total Oper. Impact Est.	0	0	0	943,087	0	0	943,087
Total Expenditure Est.	0	0	0	1,677,337	0	0	1,677,337

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Salaries/ Benefits	0	0	0	943,087	0	0	943,087
Total	0	0	0	943,087	0	0	943,087

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	0	0	734,250	0	0	734,250
Operating Revenue	0	0	0	943,087	0	0	943,087
Total Program Financing	0	0	0	1,677,337	0	0	1,677,337

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Fleet Services and Human Resources.

Section 1	Project Title	Vehicle Exhaust System				Budget Unit #	4340		
Budget Unit	Fire	Functional Area	Public Safety			Priority Rank	6		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
140,000	0	0	0	0	0	140,000	140,000		

Section 2 Description of Capital Item

This project involves the installation of the Plymo vent vehicle exhaust removal system in Fire Stations 7 and 9. We currently are seeking an Assistance to Firefighters Grant for station 7. Fire Station 9 will not be eligible for the grant due to the station not being built to the NFPA standard at time of construction.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Currently all fire stations with the exception of stations 7 and 9 are equipped with the Plymo vent vehicle exhaust removal system. NFPA Paragraph 7-1.5, requires that fire stations be designed and provided with the means to ventilate exhaust emissions from the apparatus to prevent exposure to firefighters and contamination of living and sleeping areas. By adding this system, it will provide our firefighters a safe environment free from harmful vehicle exhaust.

History and Current Status; Impact if Cancelled or Delayed

If this is not approved, Firefighters will continue to be exposed to harmful vehicle emissions as well as the turn out gear which is stored in the bays.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	0	0	140,000	0	140,000
Total Capital Cost Est.	0	0	0	0	140,000	0	140,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	140,000	0	140,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	0	0	140,000	0	140,000
Total Program Financing	0	0	0	0	140,000	0	140,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	Land Acquisition for Station 17				Budget Unit #	4340		
Budget Unit	Fire	Functional Area	Public Safety			Priority Rank	7		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
350,000	0	0	0	0	0	350,000	350,000		

Section 2 Description of Capital Item

This project involves the purchase of land for Fire Station 17 in the George Liles Parkway and Concord Parkway corridor.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Fire Station 17 and the George Liles and Concord Parkway corridor will eliminate a gap in emergency response coverage between Station 3, 5 and 8. With development in this area we expect an increase in emergency response. Fire Station 17 will help us meet the ISO standard on response as well as the department's goals related to benchmarking.

History and Current Status; Impact if Cancelled or Delayed

The area of George Liles and Concord Parkway have seen an increase in housing, retail and other development, as well as major industry moving into the former Philip Morris plant.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Land/ ROW/ Acquisition	0	0	0	0	350,000	0	350,000
Total Capital Cost Est.	0	0	0	0	350,000	0	350,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	350,000	0	350,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	0	0	0	350,000	0	350,000
Total Program Financing	0	0	0	0	350,000	0	350,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Finance and Engineering.

Section 1	Project Title	Fire Apparatus Tanker				Budget Unit #	4340		
Budget Unit	Fire	Functional Area	Public Safety			Priority Rank	8		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
465,000	0	0	0	0	0	465,000	465,000		

Section 2 Description of Capital Item

This project includes purchase of a tanker capable of carrying 2,000 gallons of water. This apparatus will respond to the interstate and to the rural fire districts that do not have a municipal water system.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The purchase of a tanker will allow the Fire department to effectively deliver the needed water capacity per the ISO recommendations to areas in the city where a municipal water supply is not available. Currently we send multiple apparatus to fill the need for water.

History and Current Status; Impact if Cancelled or Delayed

The purchase of a tanker would allow the department to modify our response plan in those areas without a municipal water supply. This modification would allow for other units to remain in service and available for other emergencies.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	0	0	465,000	0	465,000
Total Capital Cost Est.	0	0	0	0	465,000	0	465,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	465,000	0	465,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	0	0	0	465,000	0	465,000
Total Program Financing	0	0	0	0	465,000	0	465,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Fleet Services.

Section 1	Project Title	Training Facility				Budget Unit #	4340		
Budget Unit	Fire	Functional Area	Public Safety			Priority Rank	9		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
5,986,590	0	0	0	0	0	5,986,590	5,986,590		

Section 2 Description of Capital Item

This project involves the construction of a Training facility that would be a joint project between the police and fire departments.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The current facility was constructed in 1986 and served three stations. The department has expanded to 11 stations with 194 employees. The current facility no longer meets the needs of the department. This facility would be a joint project between the police and fire departments. The police department does not currently have a training facility.

History and Current Status; Impact if Cancelled or Delayed

Due to the growth of the city as well as the police and fire departments, the current facility located at Fire Station 3 no longer meets our needs. By partnering with the police department to build a new training facility, we can work together to meet the needs of two departments both now and well into the future.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	0	0	0	254,677	0	254,677
Construction - Building/Utility	0	0	0	0	5,030,000	0	5,030,000
Engineering / Arch Serv	0	0	0	0	330,000	0	330,000
Land/ ROW/ Acquisition	0	0	0	0	350,000	0	350,000
Prelim Design/ Plans	0	0	0	0	21,913	0	21,913
Total Capital Cost Est.	0	0	0	0	5,986,590	0	5,986,590
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	5,986,590	0	5,986,590

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	0	0	0	5,986,590	0	5,986,590
Total Program Financing	0	0	0	0	5,986,590	0	5,986,590

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Engineering, Building and Grounds, Police, Water resources and Transportation.

Section 1	Project Title Replacement Mobile Command Unit	Budget Unit # 4343								
Budget Unit Emergency Management	Functional Area General Government	Priority Rank 1								
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project		
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion	
500,000	0	0	500,000	0	0	0	0	500,000	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation
									<input type="checkbox"/> Land/ROW Acq. Required	

Section 2 Description of Capital Item

This project will involve purchase of one mobile command unit (MCU) to replace FD-501. FD-501 would then be surplus.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The current mobile command post is a conversion from a standard RV. The fire department and police departments have been using the equipment since it was purchased in 1996. The unit has also provided a command post for coordination of special events. Coordination of operations and communications are essential to allow the incident commander to manage the incident and maintain situational awareness. This unit can also serve as an alternate EOC and communications vehicle. The current MCU continues to have mechanical and structural problems and has cost over \$13,000 over the last 5 years.

History and Current Status; Impact if Cancelled or Delayed

The initial unit was a test RV purchased for \$30,900 and was updated to the current unit. Costs prior to 2008 which included a major overhaul were not available. The use of the unit has diminished due to structural problems which cause the front windows to crack when the unit is deployed, which creates a safety hazard for operating the vehicle. Documented maintenance cost are approaching the original acquisition price.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	500,000	0	0	0	0	500,000
Total Capital Cost Est.	0	500,000	0	0	0	0	500,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	500,000	0	0	0	0	500,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	500,000	0	0	0	0	500,000
Total Program Financing	0	500,000	0	0	0	0	500,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Replace Knuckleboom Truck SWR-436	Budget Unit # 4520							
Budget Unit Solid Waste & Recycling	Functional Area Public Works	Priority Rank 1							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
140,000	0	140,000	0	0	0	0	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		

Section 2 Description of Capital Item

Purchase of one (1) Knuckleboom truck to replace SWR-436 for collecting large piles of yard waste.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Knuckleboom SWR-436 has been rated for replacement due to age, mileage, and the frequency/cost of maintenance. The City's expanding coverage area is resulting in increasing annual mileage accumulation that shortens the years a truck will remain in service. When replaced, SWR-436 will be transferred to spare or backup status and our current spare knuckleboom will be surplus.

History and Current Status; Impact if Cancelled or Delayed

Our knuckleboom trucks are the backbone of our yard waste collection fleet for removing large piles/logs and are extremely valuable in responding to storm debris removal. If canceled or delayed, we will continue to utilize SWR-436 and rely upon or spare machines during periods of mechanical failure and absorb the additional maintenance costs through our fleet allocation.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	140,000	0	0	0	0	0	140,000
Total Capital Cost Est.	140,000	0	0	0	0	0	140,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	140,000	0	0	0	0	0	140,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	140,000	0	0	0	0	0	140,000
Total Program Financing	140,000	0	0	0	0	0	140,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	Replacement Rear Loader Garbage Truck SWR437				Budget Unit #	4520		
Budget Unit	Solid Waste & Recycling		Functional Area	Public Works		Priority Rank	2		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			<input type="checkbox"/> Land/ROW Acq. Required						
170,000	0	170,000	0	0	0	0	170,000		

Section 2 Description of Capital Item

Purchase one (1) rear loader garbage truck to replace SWR437 in our active fleet. When replaced, SWR437 will become a backup unit and one of our current backup units will be surplus.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

SWR437 is a rear load packer garbage truck. Age, mileage, and maintenance frequency/cost have placed SWR437 onto the replacement schedule. SWR437 will become a backup unit, allowing us to surplus one of our older backup units. The increase in workload and mileage as the City continues to grow and expand is aging out solid waste fleet faster than in previous years. The rear load packer trucks continue to serve as an essential tool in our service delivery, as crews collect grass during the summer and increasing tonnage of leaves in the winter.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	170,000	0	0	0	0	0	170,000
Total Capital Cost Est.	170,000	0	0	0	0	0	170,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	170,000	0	0	0	0	0	170,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	170,000	0	0	0	0	0	170,000
Total Program Financing	170,000	0	0	0	0	0	170,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Replacement Rear Loader Garbage Truck SWR-432				Budget Unit #	4520		
Budget Unit	Solid Waste & Recycling		Functional Area	Public Works		Priority Rank	3		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			Land/ROW Acq. Required						
170,000	0	0	170,000	0	0	0	170,000		

Section 2 Description of Capital Item

Purchase one (1) rear loader garbage truck to replace SWR-432 in our active fleet. When replaced, SWR-432 will become a back-up unit and one of our current backup units will be surplus.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

SWR-432 is a rear-load packer garbage truck. Age, mileage, and maintenance frequency/cost have placed SWR-432 onto the replacement schedule. SWR-432 will become a backup unit, allowing us to surplus one of our older backup units. The increase in workload and mileage as the City continues to grow and expand is aging our solid waste fleet faster than in previous years. The rear-load packer trucks continue to serve as an essential tool in our service delivery, as crews collect grass during summer and increasing tonnage of leaves in the winter.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	170,000	0	0	0	0	170,000
Total Capital Cost Est.	0	170,000	0	0	0	0	170,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	170,000	0	0	0	0	170,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	170,000	0	0	0	0	170,000
Total Program Financing	0	170,000	0	0	0	0	170,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	Replacement Knuckleboom Truck SWR445				Budget Unit #	4520		
Budget Unit	Solid Waste & Recycling	Functional Area	Public Works			Priority Rank	4		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
145,000	0	0	0	145,000	0	0	145,000		

Section 2 Description of Capital Item

Purchase one (1) Knuckleboom truck to replace SWR445 for collection large piles of yard waste.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Knuckleboom SWR445 has be rated for replacement due to age, mileage, and the frequency/cost of maintenance. The City's expanding coverage area is resulting in increasing annual mileage accumulation that shortens the years a truck will remain in service. When replaced, SWR445 will be transferred to spare or backup status and our current spare knuckleboom will be surplusd.

History and Current Status; Impact if Cancelled or Delayed

Our knuckleboom trucks are the back bone of our yard waste collection fleet for removing large piles and logs and are extremely valuable in responding to storm debris removal. If canceled or delayed, we will continue to utilize SWR445 and rely upon our spare machines during periods of mechanical failure and absorb the additional maintenance costs through our fleet allocation.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	145,000	0	0	0	145,000
Total Capital Cost Est.	0	0	145,000	0	0	0	145,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	145,000	0	0	0	145,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	145,000	0	0	0	145,000
Total Program Financing	0	0	145,000	0	0	0	145,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Replacement Roll Off Truck SWR428				Budget Unit #	4520		
Budget Unit	Solid Waste & Recycling	Functional Area	Public Works			Priority Rank	5		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
200,000	0	0	0	200,000	0	0	200,000		

Section 2 Description of Capital Item

Purchase one (1) Roll Off Truck to replace SWR428.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

SWR428 has been rated for replacement due to age, mileage, and the frequency/cost of maintenance. The increased use of roll off containers by City departments for remodeling, demolition projects and to collect high priced metal for recycling creates the need for having this vehicle replaced.

History and Current Status; Impact if Cancelled or Delayed

The Solid Waste Department provides roll off service to City departments, transports recycling containers for Cabarrus County's HHW facility and picks up from apartment complexes involved in our multi-family recycling. If cancelled or delayed, we will continue to utilize SWR428 and rely on spare machines during periods of mechanical failure and absorb the additional maintenance costs through our fleet allocations.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	200,000	0	0	0	200,000
Total Capital Cost Est.	0	0	200,000	0	0	0	200,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	200,000	0	0	0	200,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	200,000	0	0	0	200,000
Total Program Financing	0	0	200,000	0	0	0	200,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Replacement Dump Truck SWR443				Budget Unit #	4520		
Budget Unit	Solid Waste & Recycling	Functional Area	Public Works			Priority Rank	6		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
105,000	0	0	0	0	105,000	0	105,000		

Section 2 Description of Capital Item

This is a 2009 International Dump Truck. Purchase of one (1) Dump Truck to replace SWR-443 for hauling leaf machines and yard waste.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Dump Truck SWR-443 has been rated for replacement due to age, mileage, and the frequency/cost of maintenance. The city's expanding coverage area is resulting in increasing annual mileage accumulation that shortens the years a truck will remain in service. When replaced, SWR-443 will be transferred to spare or backup status and our current spare Dump Truck will be surplus.

History and Current Status; Impact if Cancelled or Delayed

Our Dump Trucks are crucial for leaf season and yard waste collection. If canceled or delayed, the department will continue to utilize SWR-443 and rely upon our spare machines during periods of mechanical failure and absorb the additional maintenance costs through our fleet allocation.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	0	105,000	0	0	105,000
Total Capital Cost Est.	0	0	0	105,000	0	0	105,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	105,000	0	0	105,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	0	105,000	0	0	105,000
Total Program Financing	0	0	0	105,000	0	0	105,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Replacement Dump Truck SWR438				Budget Unit #	4520		
Budget Unit	Solid Waste & Recycling	Functional Area	Public Works			Priority Rank	7		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			Land/ROW Acq. Required						
105,000	0	0	0	0	0	105,000	105,000		

Section 2 Description of Capital Item

This is a 2009 Sterling Dump Truck. Purchase of one (1) Dump Truck to replace SWR-438 for hauling leaf machines and yard waste.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Dump Truck SWR-438 has been rated for replacement due to age, mileage, and the frequency/cost of maintenance. The city's expanding coverage area is resulting in increasing annual mileage accumulation that shortens the years a truck will remain in service. When replaced, SWR-438 will be transferred to spare or backup status and our current spare Dump Truck will be surplus.

History and Current Status; Impact if Cancelled or Delayed

Our Dump Trucks are crucial for leaf season and yard waste collection. If canceled or delayed, the department will continue to utilize SWR-438 and rely upon our spare machines during periods of mechanical failure and absorb the additional maintenance costs through our fleet allocation.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	0	0	105,000	0	105,000
Total Capital Cost Est.	0	0	0	0	105,000	0	105,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	105,000	0	105,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	0	0	105,000	0	105,000
Total Program Financing	0	0	0	0	105,000	0	105,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Replacement Rearloader SWR446		Budget Unit # 4520						
Budget Unit	Solid Waste & Recycling		Functional Area Public Works		Priority Rank 8				
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
180,000	0	0	0	0	0	180,000	180,000		

Section 2 Description of Capital Item

SWR-446 is a 2009 Freightliner Rear Load Garbage Truck. Purchase one (1) rear load garbage truck to replace SWR-446 in our active fleet. When replaced, SWR-446 will become a back-up unit and one of our current backup units will be surplus.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

SWR-446 is a rear-load packer garbage truck. Age, mileage, and maintenance frequency/cost have placed SWR-446 onto the replacement schedule. SWR-446 will become a backup unit, allowing us to surplus one of our older backup units. The increase in workload and mileage as the City continues to grow and expand is aging our solid waste fleet faster than in previous years. The rear-load packer trucks continue to serve as an essential tool in our service delivery, as crews collect grass during summer and increasing tonnage of leaves in the winter.

History and Current Status; Impact if Cancelled or Delayed

Our Rear Load trucks are crucial for yard waste, recycling, garbage and bulky waste collection. These trucks are essential to the Solid Waste fleet. If canceled or delayed, the department will continue to utilize SWR-446 and rely upon our spare machines during periods of mechanical failure and absorb the additional maintenance costs through our fleet allocation.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	0	0	180,000	0	180,000
Total Capital Cost Est.	0	0	0	0	180,000	0	180,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	180,000	0	180,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	0	0	180,000	0	180,000
Total Program Financing	0	0	0	0	180,000	0	180,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Replacement Rearloader SWR449				Budget Unit #	4520		
Budget Unit	Solid Waste & Recycling		Functional Area	Public Works		Priority Rank	9		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
370,000	0	0	0	0	0	0			

Section 2 Description of Capital Item

SWR-449 is a 2012 Freightliner Rear Load Garbage Truck. Purchase one (1) rear load garbage truck to replace SWR-449 in our active fleet. When replaced, SWR-449 will become a back-up unit and one of our current backup units will be surplus.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

History and Current Status; Impact if Cancelled or Delayed

Our Rear-Load trucks are crucial for yard waste, recycling, garbage and bulky waste collection. These trucks are essential to the Solid Waste fleet. If canceled or delayed, the department will continue to utilize SWR-449 and rely upon our spare machines during periods of mechanical failure and absorb the additional maintenance costs through our fleet allocation.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	0	0	0	370,000	0
Total Capital Cost Est.	0	0	0	0	0	370,000	0
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	0	370,000	370,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	0	0	0	370,000	370,000
Total Program Financing	0	0	0	0	0	370,000	370,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Fleet Services Facility	Budget Unit # 4550							
Budget Unit Fleet Services	Functional Area Public Works	Priority Rank 1							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
12,700,000	0	0	0	780,000	11,920,000	0	12,700,000	<input type="checkbox"/> Replacement <input type="checkbox"/> Renovation <input type="checkbox"/> Land/ROW Acq. Required	

Section 2 Description of Capital Item

Replace the existing Fleet Facility with a larger facility built on the recently purchased 33 acres located at the BOC. Identified as a priority in the BOC Space Needs Study, the larger facility will be sufficient for future growth, will incorporate fire apparatus and present opportunities for the Radio Shop and Fire Logistics to be located in the new or old facility. Includes additional service road, fuel facility (has, diesel, CNG, electric), and parking conversion of old fuel facility.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The BOC Space Needs Study performed in 2010 identified the fleet facility for replacement due to growth and the inability to expand the current building. The Concord fleet has nearly doubled in size since the design of the current fleet building, which has created the need for two shifts to accomplish required maintenance of the 1,000+ sized vehicle fleet. The additional requirements of maintaining the fire apparatus has added another 25 heavy-duty vehicles to Fleet's workload which facilitated the need to convert the current washbay to work space. The new facility would also provide needed staging areas for active and surplus equipment.

History and Current Status; Impact if Cancelled or Delayed

BOC Space Needs Study dated 1/27/10 identifies the Fleet building as too small for current needs and future growth. Due to its location, the current building cannot be enlarged. Adverse impacts include: increased fleet downtime, which impacts all departments' ability to perform their jobs efficiency, increased costs, and reduced customer service.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	0	0	3,140,000	0	0	3,140,000
Construction - Building/Utility	0	0	0	6,860,000	0	0	6,860,000
Engineering / Arch Serv	0	0	600,000	120,000	0	0	720,000
Heavy Equip/ Apparatus	0	0	0	1,300,000	0	0	1,300,000
Light Equip/ Furniture	0	0	0	500,000	0	0	500,000
Prelim Design/ Plans	0	0	180,000	0	0	0	180,000
Total Capital Cost Est.	0	0	780,000	11,920,000	0	0	12,700,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	780,000	11,920,000	0	0	12,700,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Debt Financing	0	0	780,000	11,920,000	0	0	12,700,000
Total Program Financing	0	0	780,000	11,920,000	0	0	12,700,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

ENTERPRISE FUNDS OVERVIEW

OVERVIEW: Enterprise Funds provide services that are funded primarily through user charges. Enterprise Funds include Stormwater, Electric, Water, Transit, Wastewater, Golf Course, Aviation, and Public Housing.

FUNDS & BUDGET UNITS:

Stormwater Fund: Stormwater provides inspection and maintenance of storm drains and ditches located within city-owned right-of-ways, and is responsible for implementation of the Environmental Protection Agency (EPA) Phase II Stormwater Management Program.

Electric Fund: Electric Systems operates and maintains the City of Concord's electric distribution system. It is comprised of Electric Systems Administration, Purchased Power, Powerlines Maintenance, Tree Trimming, Electric Construction, Peak Shaving, Electric Engineering Services, and Utility Locate Services.

Water Fund: Water Resources operates and maintains the City of Concord's water system and provides safe drinking water to the citizens of Concord. The Water Fund includes Hillgrove Water Treatment Plant, Coddle Creek Water Treatment Plant, and Waterlines Operations and Maintenance.

Transit Fund: The Concord/Kannapolis Area Transit System - or Rider - is responsible for providing the highest quality passenger transportation services for the citizens of Concord and Kannapolis. The Cities of Concord and Kannapolis partner to provide the Rider service with Concord serving as the lead agency.

Wastewater Fund: The Wastewater Resources Department is responsible for managing and maintaining sewer collection systems and pump stations that provide service to more than 31,500 customers.

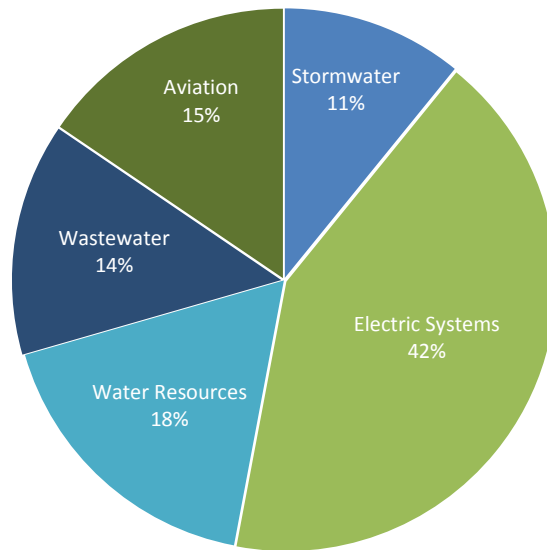
Golf Course Fund: The Dan Maples designed Rocky River Golf Course at Concord is a full-service 18-hole championship golf course open to all citizens. The City contracts course management to John Q. Hammonds.

Aviation Fund: The Aviation Department - Concord Regional Airport - is responsible for operating and maintaining the City's airport facilities for public use in accordance with federal, state, and local regulations, rules, policies, and ordinances. The airport also provides fuel and other aeronautical services and lease space on a long and short-term basis to tenants and transient individuals, firms, and agencies.

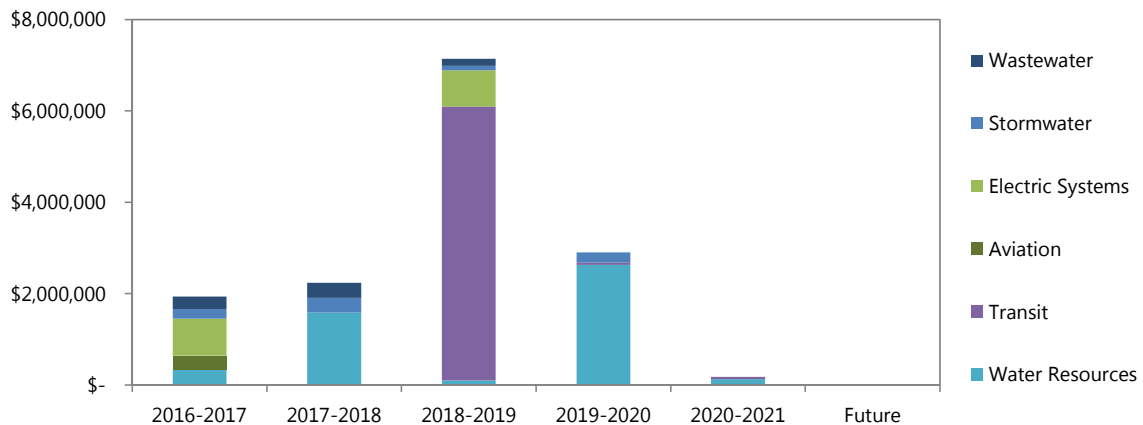
Enterprise Funds Expenditures

By Fund	2016-2017 Approved	2017-2018 Planning Yr.	2018-2019 Planning Yr.	2019-2020 Planning Yr.	2020-2021 Planning Yr.	Future Planning Yr.
Stormwater	\$ 210,000	\$ 325,000	\$ 100,000	\$ 222,650	\$ -	\$ -
Electric Systems	\$ 815,000	\$ -	\$ 790,000	\$ -	\$ -	\$ -
Water Resources	\$ 340,000	\$ 1,585,000	\$ 100,000	\$ 2,628,000	\$ 130,000	\$ -
Transit	\$ -	\$ -	\$ 6,000,000	\$ 50,000	\$ 50,000	\$ -
Wastewater	\$ 270,000	\$ 325,000	\$ 148,550	\$ -	\$ -	\$ -
Aviation	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 1,935,000	\$ 2,235,000	\$ 7,138,550	\$ 2,900,650	\$ 180,000	\$ -

FY 2017 Enterprise Fund Expenditures



FY 2017-21 Enterprise Funds Planned Expenditures



City of Concord, North Carolina

Fiscal Year 2016-17 through 2020-21 Capital Improvement Plan

Section 1	Project Title	Replacement Ford F 550 Truck w/Crane SW434				Budget Unit #	7100	
Budget Unit	Stormwater Oper & Maint	Functional Area	Utilities - Stormwater			Priority Rank	5	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation
100,000	0	100,000	0	0	0	0	100,000	

Section 2 Description of Capital Item

Replace SW434, a stormwater crew truck used to transport crew members, materials, and tools for operation and maintenance of the stormwater system.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used on continuous basis to transport stormwater crew members, materials, and tools for operation and maintenance of the stormwater system. Replacement is needed, with the addition of a crane, to ensure that stormwater crews can access the stormwater system (e.g. crane lifting stormwater manhole rims and/or lids) for operation and maintenance purposes; this includes giving access to field surveyors in order to gather pertinent information for design and construction purposes.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	100,000	0	0	0	0	0	100,000
Total Capital Cost Est.	100,000	0	0	0	0	0	100,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	100,000	0	0	0	0	0	100,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	100,000	0	0	0	0	0	100,000
Total Program Financing	100,000	0	0	0	0	0	100,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Replacement Dump Truck SW399				Budget Unit #	7100		
Budget Unit	Stormwater Oper & Maint	Functional Area	Utilities - Stormwater			Priority Rank	6		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			<input type="checkbox"/> Land/ROW Acq. Required						
110,000	0	110,000	0	0	0	0	110,000		

Section 2 Description of Capital Item

Replace SW399, a dump truck used for hauling soil, gravel and other materials, including collected debris from project sites.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used on a continuous basis for hauling soil, gravel, and other materials, including collected debris from project sites. Replacement is needed to ensure storm water project site personnel have an adequate amount of building materials that are called for on the project, and also the ability to haul off construction and other debris from the project site to an approved dumping area.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	110,000	0	0	0	0	0	110,000
Total Capital Cost Est.	110,000	0	0	0	0	0	110,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	110,000	0	0	0	0	0	110,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	110,000	0	0	0	0	0	110,000
Total Program Financing	110,000	0	0	0	0	0	110,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Jet-Vac Truck Replacement SW318	Budget Unit # 7100							
Budget Unit Stormwater Oper & Maint	Functional Area Utilities - Stormwater	Priority Rank 7							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
325,000	0	0	325,000	0	0	0	0	325,000	
		<input type="checkbox"/> Replacement			<input type="checkbox"/> Renovation				
						<input type="checkbox"/> Land/ROW Acq. Required			

Section 2 Description of Capital Item

Replace SW318, a jet-vac truck used for cleaning existing storm drains and culverts.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used on a continuous basis to address/clean blockages in existing storm drains and culverts within the storm system that decrease the overall capacity of the existing drains and culverts. Replacement is needed to ensure that storm system blockages are corrected and also to enhance the storm drain/culvert cleaning capability prior to performing camera videos.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	325,000	0	0	0	0	325,000
Total Capital Cost Est.	0	325,000	0	0	0	0	325,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	325,000	0	0	0	0	325,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	325,000	0	0	0	0	325,000
Total Program Financing	0	325,000	0	0	0	0	325,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Dump Truck Replacement SW401				Budget Unit #	7100		
Budget Unit	Stormwater Oper & Maint	Functional Area	Utilities - Stormwater			Priority Rank	12		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
100,000	0	0	0	100,000	0	0	100,000		

Section 2 Description of Capital Item

Replace SW401, a dump truck used for hauling soil, gravel and other materials, including collected debris from project sites.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used on a continuous basis for hauling soil, gravel, and other materials, including debris collected from project sites. Replacement is needed to ensure storm water project site personnel have an adequate amount of building materials that are called for on the project, and also the ability to haul off construction and other debris from the project site to an approved dumping area.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	100,000	0	0	0	100,000
Total Capital Cost Est.	0	0	100,000	0	0	0	100,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	100,000	0	0	0	100,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	100,000	0	0	0	100,000
Total Program Financing	0	0	100,000	0	0	0	100,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Camera Truck Replacement SW321				Budget Unit #	7100		
Budget Unit	Stormwater Oper & Maint	Functional Area	Utilities - Stormwater			Priority Rank	15		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
222,650	0	0	0	0	222,650	0	222,650		

Section 2 Description of Capital Item

Replace SW321, a camera truck used for obtaining videos of existing storm drains and culverts.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used on a continuous basis to obtain video footage of existing storm drain and culvert blockages mainly caused by heavy rain events. Replacement is needed to ensure storm sewer blockages locations are verified and what efforts will have to be made in order to clean the particular blockage.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	0	222,650	0	0	222,650
Total Capital Cost Est.	0	0	0	222,650	0	0	222,650
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	222,650	0	0	222,650

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	0	222,650	0	0	222,650
Total Program Financing	0	0	0	222,650	0	0	222,650

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Replace E-320 Bucket Truck				Budget Unit #	7230		
Budget Unit	Tree Trimming	Functional Area	Utilities - Elec			Priority Rank	8		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
275,000	0	0	0	275,000	0	0	275,000		

Section 2 Description of Capital Item

Replace E-320. A 2008 International 7400 55' Bucket Truck.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used daily by tree trimming personnel to keep power lines clear of foliage. It is recommended to be replaced by Fleet Services.

History and Current Status; Impact if Cancelled or Delayed

Failure to replace vehicles at the end of useful lifetime can lead to delays in responding to normal daily duties and also storm duties.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	275,000	0	0	0	275,000
Total Capital Cost Est.	0	0	275,000	0	0	0	275,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	275,000	0	0	0	275,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	275,000	0	0	0	275,000
Total Program Financing	0	0	275,000	0	0	0	275,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	Replacement of E-305				Budget Unit #	7230		
Budget Unit	Tree Trimming	Functional Area	Utilities - Elec			Priority Rank	10		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
275,000	0	0	0	275,000	0	0	275,000		

Section 2 Description of Capital Item

Replacement of E-305. A 2007 Sterling Tree Trimming bucket truck.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used daily by tree trimming personnel to keep power lines clear of foliage. It is recommended to be replaced by Fleet Services.

History and Current Status; Impact if Cancelled or Delayed

Failure to replace vehicles at the end of useful lifetime can lead to delays in responding to normal daily duties and also storm duties.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	275,000	0	0	0	275,000
Total Capital Cost Est.	0	0	275,000	0	0	0	275,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	275,000	0	0	0	275,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	275,000	0	0	0	275,000
Total Program Financing	0	0	275,000	0	0	0	275,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Replace E-326 Bucket Truck	Budget Unit # 7240							
Budget Unit Electric Construction	Functional Area Utilities - Elec	Priority Rank 1							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
250,000	0	250,000	0	0	0	0	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
						250,000	<input type="checkbox"/> Land/ROW Acq. Required		

Section 2 Description of Capital Item

Replace E-326, a 2009 International 7400 4x4 Bucket Truck.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used daily as a vehicle to address customer service needs and the street lighting repair/maintenance and service. This unit is also used for trouble during storms. Replacement is needed to ensure timely response to customers during emergencies and power outages as well.

History and Current Status; Impact if Cancelled or Delayed

Vehicle and equipment replacements are projected initially using normal life expectancy. Final recommendation for replacement is a function of reliability of the unit and annual maintenance costs. These factors are evaluated by Electric Systems staff and the Fleet Services Director.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	250,000	0	0	0	0	0	250,000
Total Capital Cost Est.	250,000	0	0	0	0	0	250,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	250,000	0	0	0	0	0	250,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	250,000	0	0	0	0	0	250,000
Total Program Financing	250,000	0	0	0	0	0	250,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Replace E-325 Bucket Truck	Budget Unit # 7240							
Budget Unit Electric Construction	Functional Area Utilities - Elec	Priority Rank 2							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
215,000	0	215,000	0	0	0	0	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		

Section 2 Description of Capital Item

Replace E-325, a 2006 Ford F-550 17,500 GVW Bucket Truck, with 43' working height.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used daily as a vehicle to address customer needs and the street lighting repair/maintenance and service. This unit is also used for repairs made during storms. Replacement is needed to ensure timely response to customers during emergencies and power outages.

History and Current Status; Impact if Cancelled or Delayed

Vehicle and equipment replacements are projected, as accurately as possible, using normal life expectancy. Final recommendation for replacement is a function of reliability of the unit and its annual maintenance cost. These factors are evaluated by Electric Systems staff and the Fleet Services Director.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	215,000	0	0	0	0	0	215,000
Total Capital Cost Est.	215,000	0	0	0	0	0	215,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	215,000	0	0	0	0	0	215,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	215,000	0	0	0	0	0	215,000
Total Program Financing	215,000	0	0	0	0	0	215,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	Replace E-227 Bucket Truck				Budget Unit #	7240		
Budget Unit	Electric Construction	Functional Area	Utilities - Elec			Priority Rank	3		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			<input type="checkbox"/> Land/ROW Acq. Required						
180,000	0	180,000	0	0	0	0	180,000		

Section 2 Description of Capital Item

Replace E-227, a 2008 Ford F-550 17,500 GVW Bucket Truck with 43' working height.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used daily as a vehicle to address customer needs and the street lighting repair/ maintenance and service. This unit is also used for trouble during storm on Electric Systems. Replacement is needed to ensure timely response to customers during emergencies and power outages as well.

History and Current Status; Impact if Cancelled or Delayed

Vehicle and equipment replacements are projected, as accurately as possible, using normal life expectancy. Final recommendation for replacement is a function of reliability of the unit and its annual maintenance costs. These factors are evaluated by Electric Systems staff and the Fleet Services Director.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	180,000	0	0	0	0	0	180,000
Total Capital Cost Est.	180,000	0	0	0	0	0	180,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	180,000	0	0	0	0	0	180,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	180,000	0	0	0	0	0	180,000
Total Program Financing	180,000	0	0	0	0	0	180,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	Bucket/Digger Derrick Utility Vehicle				Budget Unit #	7240		
Budget Unit	Electric Construction	Functional Area	Utilities - Elec			Priority Rank	4		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			<input type="checkbox"/> Land/ROW Acq. Required						
170,000	0	170,000	0	0	0	0	170,000		

Section 2 Description of Capital Item

New bucket/Digger Derrick utility vehicle with 42' reach.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit will be used as a vehicle to address customer needs in power restoration and new installations in difficult to reach work zones. This unit will also be used for repairing storm damaged back lot facilities. This equipment is needed to ensure timely response to customers during emergencies and power outages as well.

History and Current Status; Impact if Cancelled or Delayed

Delay in purchasing this unit will impede our service levels for customers with difficult to reach work areas.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	170,000	0	0	0	0	0	170,000
Total Capital Cost Est.	170,000	0	0	0	0	0	170,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	170,000	0	0	0	0	0	170,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	170,000	0	0	0	0	0	170,000
Total Program Financing	170,000	0	0	0	0	0	170,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Replace E-302 Bucket Truck	Budget Unit # 7240							
Budget Unit Electric Construction	Functional Area Utilities - Elec	Priority Rank 9							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
240,000	0	0	0	240,000	0	0	240,000	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation
								<input type="checkbox"/> Land/ROW Acq. Required	

Section 2 Description of Capital Item

Replace E-302, a 2004 International SBA Bucket Truck with a 65' working height.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used daily as a vehicle to address customer service needs and the street lighting repair/maintenance and service. This unit is also used for trouble during storms. Replacement is needed to ensure timely response to customers during emergencies and power outages as well.

History and Current Status; Impact if Cancelled or Delayed

Vehicle and equipment replacements are projected initially using normal life expectancy. Final recommendation for replacement is a function of reliability of the unit and annual maintenance costs. These factors are evaluated by Electric Systems staff and the Fleet Services Director.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	240,000	0	0	0	240,000
Total Capital Cost Est.	0	0	240,000	0	0	0	240,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	240,000	0	0	0	240,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	240,000	0	0	0	240,000
Total Program Financing	0	0	240,000	0	0	0	240,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title MCC Lineup at Hillgrove WTP	Budget Unit # 7330							
Budget Unit Hillgrove Water Plant	Functional Area Utilities - Water	Priority Rank 8							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
190,000	0	190,000	0	0	0	0	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		

Section 2 Description of Capital Item

This project will replace the current Motor Control Center (MCC) lineup at Hillgrove WTP.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The current MCC lineup is now obsolete and parts for repairs are no longer made and available. It must be replaced to maintain reliable operations at Hillgrove WTP.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	190,000	0	0	0	0	0	190,000
Total Capital Cost Est.	190,000	0	0	0	0	0	190,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	190,000	0	0	0	0	0	190,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	190,000	0	0	0	0	0	190,000
Total Program Financing	190,000	0	0	0	0	0	190,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Hillgrove Settling Basin Improvements	Budget Unit # 7330							
Budget Unit Hillgrove Water Plant	Functional Area Utilities - Water	Priority Rank 11							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
2,300,000	0	0	100,000	0	2,200,000	0	2,300,000	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation
								<input type="checkbox"/> Land/ROW Acq. Required	

Section 2 Description of Capital Item

This project is to replace failing tube settlers at Hillgrove WTP.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project will replace current failing tube settlers at Hillgrove WTP with plate settlers. The current settling tubes are at the end of their life expectancy and are falling apart during normal operations. Without replacement, regulatory compliance and water quality will be negatively impacted.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	2,200,000	0	0	2,200,000
Prelim Design/ Plans	0	100,000	0	0	0	0	100,000
Total Capital Cost Est.	0	100,000	0	2,200,000	0	0	2,300,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	100,000	0	2,200,000	0	0	2,300,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	100,000	0	2,200,000	0	0	2,300,000
Total Program Financing	0	100,000	0	2,200,000	0	0	2,300,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Hillgrove WTP Rapid Mix Basin Rehabilitation				Budget Unit #	7330		
Budget Unit	Hillgrove Water Plant		Functional Area	Utilities - Water		Priority Rank	12		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
100,000	0	0	0	100,000	0	0	100,000		

Section 2 Description of Capital Item

This project is to rehab the rapid mixers at Hillgrove WTP.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project makes needed repairs to the rapid mix system at Hillgrove WTP. The rehabilitation provides a mechanism for the mixing of chemicals that is necessary to the treatment process.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	100,000	0	0	0	100,000
Total Capital Cost Est.	0	0	100,000	0	0	0	100,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	100,000	0	0	0	100,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	100,000	0	0	0	100,000
Total Program Financing	0	0	100,000	0	0	0	100,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Upgrade Basin Valve Actuators at Hillgrove WTP				Budget Unit #	7330		
Budget Unit	Hillgrove Water Plant	Functional Area	Utilities - Water			Priority Rank	14		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
200,000	0	0	0	0	200,000	0	200,000		

Section 2 Description of Capital Item

Replacement of manual valve actuators with automated actuators on the basins at Hillgrove WTP.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Replacement of the manual valve actuators with automated actuators will allow for quicker, less labor intensive operation of the basin valves, while also providing a pathway to future upgrades towards streamlined automated processes.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	200,000	0	0	200,000
Total Capital Cost Est.	0	0	0	200,000	0	0	200,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	200,000	0	0	200,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	0	200,000	0	0	200,000
Total Program Financing	0	0	0	200,000	0	0	200,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Resurface Clearwell #2 at Hillgrove WTP				Budget Unit #	7330		
Budget Unit	Hillgrove Water Plant	Functional Area	Utilities - Water			Priority Rank	17		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
130,000	0	0	0	0	0	130,000	130,000		

Section 2 Description of Capital Item

Resurface the north clearwell at Hillgrove WTP.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The north clearwell at Hillgrove WTP is showing signs of spalling which will continue to worsen. It will need to be resurfaced to restore it and provide for long term service.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	0	0	0	130,000	0	130,000
Total Capital Cost Est.	0	0	0	0	130,000	0	130,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	130,000	0	130,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	0	0	130,000	0	130,000
Total Program Financing	0	0	0	0	130,000	0	130,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title PLC Cabinet Replacement at Coddle Creek WTP	Budget Unit #	7331						
Budget Unit	Coddle Creek Water Plant	Functional Area	Utilities - Water						
		Priority Rank	7						
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			Land/ROW Acq. Required						
150,000	0	150,000	0	0	0	0	150,000		

Section 2 Description of Capital Item

This project will replace the main PLC cabinet for motor and other controls at Coddle Creek WTP.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The current PLC needs to be replaced as it is approaching the end of its useful life. Technology has evolved and the current PLC is no longer supported nor are parts readily available in the event of failure. Failure could result in Coddle Creek WTP being offline.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Light Equip/ Furniture	150,000	0	0	0	0	0	150,000
Total Capital Cost Est.	150,000	0	0	0	0	0	150,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	150,000	0	0	0	0	0	150,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	150,000	0	0	0	0	0	150,000
Total Program Financing	150,000	0	0	0	0	0	150,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Coddle Creek Switchgear Replacement						Budget Unit #	7331
Budget Unit	Coddle Creek Water Plant	Functional Area	Utilities - Water				Priority Rank	10
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required
2,970,000	0	0	2,970,000	0	0	0	2,970,000	

Section 2 Description of Capital Item

This project is to replace the current switchgear at Coddle Creek WTP with reliable current technology.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	0	2,970,000	0	0	0	0	2,970,000
Total Capital Cost Est.	0	2,970,000	0	0	0	0	2,970,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	2,970,000	0	0	0	0	2,970,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	2,970,000	0	0	0	0	2,970,000
Total Program Financing	0	2,970,000	0	0	0	0	2,970,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Coddle Creek Biofilter Installation				Budget Unit #	7331		
Budget Unit	Coddle Creek Water Plant	Functional Area	Utilities - Water			Priority Rank	15		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			Land/ROW Acq. Required						
228,000	0	0	0	0	228,000	0	228,000		

Section 2 Description of Capital Item

Replace current filter media with Granular Activated Carbon (GAC).

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project will allow Water Resources to implement biofiltration at Coddle Creek WTP, which will aid in the reduction of disinfection by-product formation through the treatment process and provide better overall water quality.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	228,000	0	0	228,000
Total Capital Cost Est.	0	0	0	228,000	0	0	228,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	228,000	0	0	228,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	0	228,000	0	0	228,000
Total Program Financing	0	0	0	228,000	0	0	228,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Transit Operations & Maintenance Facility				Budget Unit #	7613		
Budget Unit	Transit FY17	Functional Area		Transit System		Priority Rank	1		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
6,100,000	0	0	0	6,000,000	50,000	50,000	6,100,000		

Section 2 Description of Capital Item

Construct a Transit Operations and Maintenance Facility on property adjacent to the Transit Center.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

As the RIDER Transit System grows, the operational demands will require that buses and operators are housed closer to the Transit Center. Doing so decreases deadhead time, permits buses to be stored nearby, allows quick operational support, and offers better efficiencies for maintaining the equipment (buses, fare boxes, AVL, etc). The operational costs of the system will decrease due to the new facility.

History and Current Status; Impact if Cancelled or Delayed

Additional property will be required on Ridge Avenue in Concord. Grant funds will not be available to assist with the project until local funding is secured and FTA agrees to participate in the project. Currently contained in the NCDOT STIP. Current estimate is the minimum projected cost from the Transit Development Plan completed in Spring 2014.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	6,000,000	0	0	0	6,000,000
Total Capital Cost Est.	0	0	6,000,000	0	0	0	6,000,000
Total Oper. Impact Est.	0	0	0	50,000	50,000	0	100,000
Total Expenditure Est.	0	0	6,000,000	50,000	50,000	0	6,100,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Maintenance/ Fuel	0	0	0	50,000	50,000	0	100,000
Total	0	0	0	50,000	50,000	0	100,000

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	0	4,800,000	0	0	0	4,800,000
Operating Revenue	0	0	0	50,000	50,000	0	100,000
Other	0	0	600,000	0	0	0	600,000
State Funding Grant	0	0	600,000	0	0	0	600,000
Total Program Financing	0	0	6,000,000	50,000	50,000	0	6,100,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Excavator Replacement S659	Budget Unit # 7420							
Budget Unit Wastewaterlines Oper &	Functional Area Utilities - Wastewater	Priority Rank 2							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
120,000	0	120,000	0	0	0	0	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		

Section 2 Description of Capital Item

Replace S659, which is an excavator used for digging trenches for new, replaced and relocated sewer lines, and corresponding services.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This equipment is used on a continuous basis to install new, replaced, and relocated sewer lines and corresponding services as part of new construction or maintenance projects. Replacement is based on the recommendation from the City's Fleet Maintenance Department and to ensure better productivity during operation of the equipment.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	120,000	0	0	0	0	0	120,000
Total Capital Cost Est.	120,000	0	0	0	0	0	120,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	120,000	0	0	0	0	0	120,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	120,000	0	0	0	0	0	120,000
Total Program Financing	120,000	0	0	0	0	0	120,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Sewer Master Plan				Budget Unit #	7420		
Budget Unit	Wastewaterlines Oper & Maint	Functional Area	Utilities - Wastewater			Priority Rank	3		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
0	0	0	0	0	0	0			

Section 2 Description of Capital Item

The Sewer Master Plan will include a comprehensive study of the City's existing sewer system and should ultimately plan where additional wastewater infrastructure is needed in order to meet projected capacity increases within the system as a result of future development and population growth.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The results of this particular plan are required in order to meet projected wastewater flows in the future and decrease the potential of possible sanitary sewer overflows within the system.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	150,000	0	0	0	0	0	0
Total Capital Cost Est.	0	0	0	0	0	0	0
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	0	0	0

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
NONE	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	150,000	0	0	0	0	0	150,000
Total Program Financing	150,000	0	0	0	0	0	150,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Jet-Vac Truck Replacement S657					Budget Unit #	7420	
Budget Unit	Wastewaterlines Oper &		Functional Area Utilities - Wastewater		Priority Rank	4		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation Land/ROW Acq. Required
325,000	0	0	325,000	0	0	0	325,000	

Section 2 Description of Capital Item

Replace S657, a Jet-Vac Truck used for cleaning existing sewer lines.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used on a continuous basis to address/clean blockages in the sewer system that decrease the overall capacity of the existing lines. Replacement is needed to ensure sewer system blockages are corrected and to enhance the sewer line cleaning capability prior to performing camera videos.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	325,000	0	0	0	0	325,000
Total Capital Cost Est.	0	325,000	0	0	0	0	325,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	325,000	0	0	0	0	325,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	325,000	0	0	0	0	325,000
Total Program Financing	0	325,000	0	0	0	0	325,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Rapid Response Truck Replacement S661	Budget Unit # 7420							
Budget Unit	Wastewaterlines Oper &	Functional Area Utilities - Wastewater							
		Priority Rank 5							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
148,550	0	0	0	148,550	0	0	148,550		

Section 2 Description of Capital Item

Replace S661, a rapid response truck used for repairing, replacing, and cleaning existing sewer infrastructure.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This unit is used on a continuous basis to address emergency situations within the existing sewer system that relate to repairing, replacing, and cleaning sewer infrastructure in order to sustain the overall capacity of the existing lines. Replacement is needed to ensure that damages to the existing sewer system created by excessive wastewater flows, large storm events and/or natural disasters, construction mistakes, vandalism or other events can be corrected utilizing various materials and equipment included with this emergency response vehicle.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	0	148,550	0	0	0	148,550
Total Capital Cost Est.	0	0	148,550	0	0	0	148,550
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	148,550	0	0	0	148,550

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	148,550	0	0	0	148,550
Total Program Financing	0	0	148,550	0	0	0	148,550

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

City of Concord, North Carolina

Fiscal Year 2016-17 through 2020-21 Capital Improvement Plan

Section 1	Project Title Airport Master Plan Update					Budget Unit #	4530	
Budget Unit	Aviation Operations		Functional Area	Transportation		Priority Rank	5	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation
300,000	0	300,000	0	0	0	0	300,000	

Section 2 Description of Capital Item

Airport Master Plan and Airport Layout Plan Update. This project will update the current Airport Master Plan to include commercial airline operations at Concord Regional Airport.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Airport Master Plan is needed as the current Master Plan that was completed in 2010 did not anticipate the rapid expansion of commercial airline operations that our now occurring at the airport. With schedule service and charter airline service continuing to increase a plan in needed to assist the Airport in planning and accomodating these operations while still allowing for growth of existing tenant and general and corporate aviation necessary to tax base growth and economic development.

History and Current Status; Impact if Cancelled or Delayed

Current Master Plan was done from 2008-2010 and did not included the major impact that commercial service has had at the airport. The Master Plan need to be update to include commercial airline service at Concord Regional Airport or the City will be operating on a project by project basis reactionary basis instead of a proactive methodical planning which would best utilize the available airport property to accomodate all types of aviation operations at the Concord Regional Airport.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	300,000	0	0	0	0	0	300,000
Total Capital Cost Est.	300,000	0	0	0	0	0	300,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	300,000	0	0	0	0	0	300,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
NONE	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	280,000	0	0	0	0	0	280,000
Local Match	10,000	0	0	0	0	0	10,000
State Funding Grant	10,000	0	0	0	0	0	10,000
Total Program Financing	300,000	0	0	0	0	0	300,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



PROJECT FUNDS

OVERVIEW: Project Funds are used to set aside funding for capital projects that have estimated completion times of more than one fiscal year. Revenues to support these funds are derived from transfers from the General Fund, Enterprise Funds, and Capital Reserve Funds. Eight Project Funds include CIPs for fiscal year 2017.

PROJECT FUNDS:

General Capital Reserve Projects: Reserves for future General Capital Projects and capital outlay are maintained in this fund. It is comprised of the Capital Reserve Expenditures budget unit.

Parks & Recreation Capital Projects: Parks & Recreation Capital Projects are accounted for using this fund. It is comprised of the Parks & Recreation Capital Projects, Hector H. Henry, II Greenway, McEachern Greenway, and Parks budget units.

Wastewater Capital Projects: Wastewater Capital Projects Fund serves as the fund for Wastewater capital projects. This fund is comprised of Wastewater Projects, Quailhaven, and Irish Buffalo/GA Outfall budget units.

Transportation Capital Projects: Specified transportation projects are funded by the City's dedicated Transportation Fund. The equivalent of 2 cents of the ad valorem tax rate and other specified revenues is designated by the City Council towards improving roadway capacity and safety on area streets and extending pedestrian infrastructure. The fund is composed of the Streets budget unit.

Fire & Life Safety Projects: Fire projects are accounted for using this fund. This fund is comprised of Fire & Life Safety Projects budget unit.

Water Capital Projects: Water projects are accounted for using this fund. It is comprised of the Water Projects budget unit.

General Capital Projects: General Fund Capital Projects that are not Parks & Recreation or Fire & Life Safety projects are accounted for using this fund. This fund is comprised of the General Fund Capital Projects budget unit.

Airport Projects: Aviation projects are accounted for using this fund. It is comprised of the Airport Projects budget unit.

Electric Projects: Electric projects are accounted for using this fund. It is comprised of the Electric Projects budget unit.

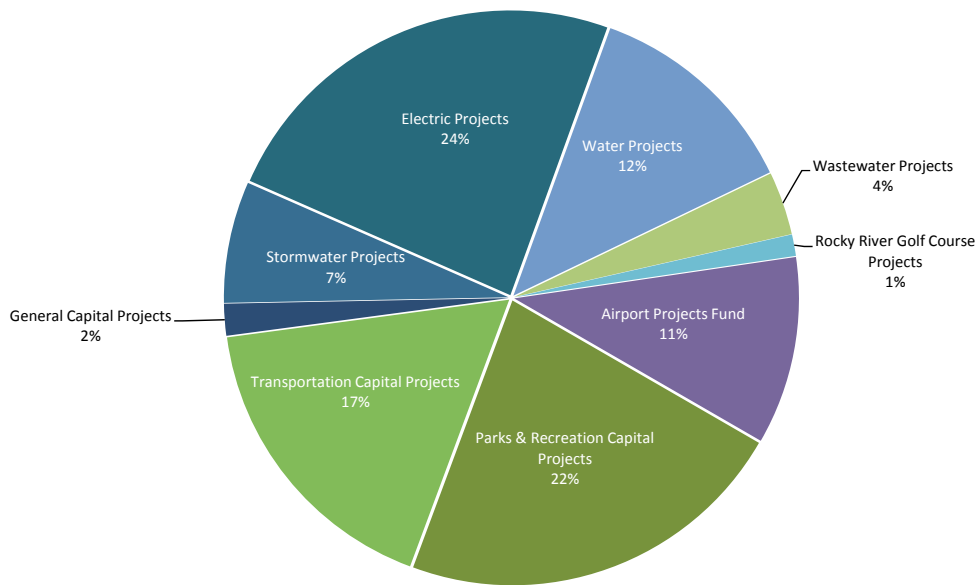
Stormwater Projects: Stormwater projects are accounted for using this fund. It is comprised of Stormwater Master Plan, Stream Restoration Projects, and Stormwater Projects budget units.

Rocky River Golf Course Projects: Rocky River Golf Course projects are accounted for using this fund. It is comprised of the Golf Course budget unit.

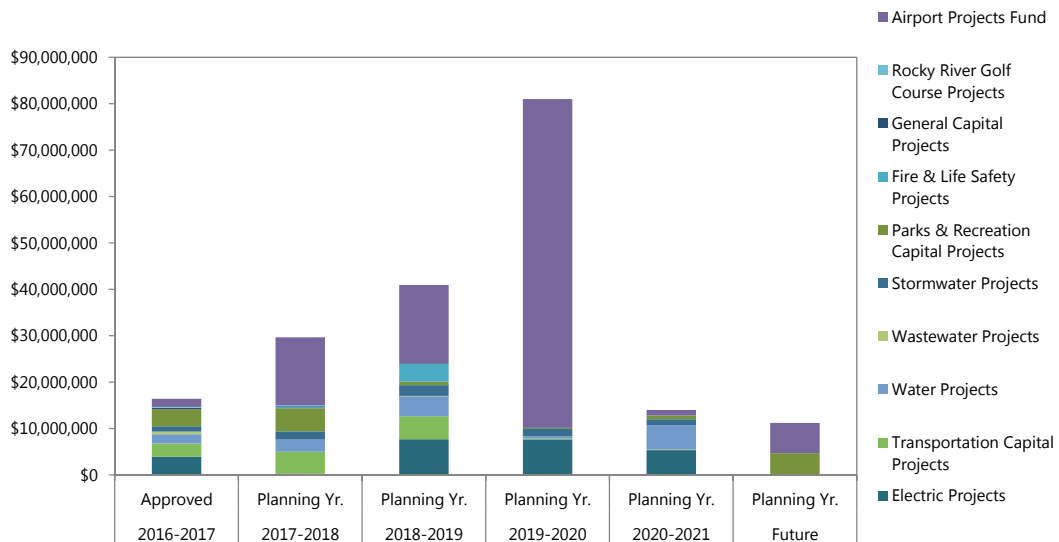
Project Fund Expenditures

	2016-2017 Approved	2017-2018 Planning Yr.	2018-2019 Planning Yr.	2019-2020 Planning Yr.	2020-2021 Planning Yr.	Future Planning Yr.
By Fund						
Parks & Recreation Capital Projects	\$ 3,665,027	\$ 5,025,472	\$ 741,400	\$ 253,110	\$ 785,000	\$ 4,715,000
Transportation Capital Projects	\$ 2,825,000	\$ 4,748,800	\$ 4,948,800	\$ 150,000	\$ 150,000	\$ -
Fire & Life Safety Projects	\$ -	\$ 319,921	\$ 3,862,267	\$ -	\$ -	\$ -
General Capital Projects	\$ 296,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ -	\$ -
Stormwater Projects	\$ 1,131,892	\$ 1,734,610	\$ 2,305,000	\$ 1,574,000	\$ 1,290,000	\$ -
Electric Projects	\$ 3,930,000	\$ 275,000	\$ 7,701,912	\$ 7,670,297	\$ 5,351,651	\$ -
Water Projects	\$ 2,022,430	\$ 2,620,470	\$ 4,307,655	\$ 500,000	\$ 5,229,303	\$ -
Wastewater Projects	\$ 590,000	\$ -	\$ 100,000	\$ -	\$ -	\$ -
Rocky River Golf Course Projects	\$ 199,650	\$ 150,000	\$ -	\$ -	\$ -	\$ -
Airport Projects Fund	\$ 1,749,625	\$ 14,628,675	\$ 16,826,000	\$ 70,710,000	\$ 1,200,000	\$ 6,500,000
Total Expenditures	\$ 16,409,624	\$ 29,652,948	\$ 40,943,034	\$ 81,007,407	\$ 14,005,954	\$ 11,215,000

FY 2017 Project Fund CIPs



FY 2017-21 Projected Transportation Fund Expenditures



Section 1	Project Title McEachern Greenway - Cabarrus Avenue Development	Budget Unit # 8312							
Budget Unit McEachern Greenway	Functional Area Parks & Recreation	Priority Rank 1							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
			<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation			<input type="checkbox"/> Land/ROW Acq. Required		
1,196,330	1,096,330	100,000	0	0	0	0	100,000		

Section 2 Description of Capital Item

The project is the construction of Harold B. McEachern Greenway, Cabarrus Avenue Phase. This development addresses bicycle and pedestrian needs that were identified in the 2009 revision to the Livable Community Blueprint.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The development of McEachern Greenway, Cabarrus Avenue is approximately 6/10 of one mile segment that begins at McGee Park and extends upstream along Three Mile Branch to Cabarrus Avenue, NE. This would include construction of the greenway. McEachern Greenway is identified as a priority need in the development of the pedestrian/bicycle trail system.

History and Current Status; Impact if Cancelled or Delayed

\$1,096,330 has been identified for this project. Land acquisition is nearly complete. This increase is intended to give us sufficient funding for the bid we anticipate.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	100,000	0	0	0	0	0	100,000
Total Capital Cost Est.	100,000	0	0	0	0	0	100,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	100,000	0	0	0	0	0	100,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from General Fund	100,000	0	0	0	0	0	100,000
Total Program Financing	100,000	0	0	0	0	0	100,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Hector H Henry II Greenway, Airport Phase					Budget Unit #	8311	
Budget Unit	Hector H. Henry II Greenway		Functional Area Parks & Recreation		Priority Rank	2		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input checked="" type="checkbox"/> Land/ROW Acq. Required
2,094,610	28,000	52,500	1,911,000	0	103,110	0	2,066,610	

Section 2 Description of Capital Item

This project is the construction of Hector H Henry II Greenway, Airport Phase. The project addresses bicycle, pedestrian, and greenway needs that were identified in the 2009 revision to the Livable Community Blueprint.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The Hector H Henry II Greenway Airport Phase is approximately 1.3 miles long, from Derita Road to the Weddington Road Bark Park. This project would involve the construction of the greenway. The Livable Community Blueprint identifies the Hector H Henry Greenway as a priority need in the development of the pedestrian/bicycle trail system. Rocky River/Hector Henry II Greenway is included as a segment of the Carolina Thread Trail.

History and Current Status; Impact if Cancelled or Delayed

Grant applications for construction funding will be submitted in anticipation of the FY17/18 budget.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	882,000	0	0	0	0	882,000
Construction - Building/Utility	0	588,000	0	0	0	0	588,000
Heavy Equip/ Apparatus	0	206,000	0	0	0	0	206,000
Light Equip/ Furniture	0	235,000	0	0	0	0	235,000
Prelim Design/ Plans	52,500	0	0	0	0	0	52,500
Total Capital Cost Est.	52,500	1,911,000	0	0	0	0	1,963,500
Total Oper. Impact Est.	0	0	0	103,110	0	0	103,110
Total Expenditure Est.	52,500	1,911,000	0	103,110	0	0	2,066,610

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Salaries/ Benefits	0	0	0	103,110	0	0	103,110
Total	0	0	0	103,110	0	0	103,110

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	52,500	1,511,000	0	0	0	0	1,563,500
Grants	0	400,000	0	0	0	0	400,000
Operating Revenue	0	0	0	103,110	0	0	103,110
Total Program Financing	52,500	1,911,000	0	103,110	0	0	2,066,610

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Hector H Henry II Greenway, Riverwalk Phase					Budget Unit #	8311	
Budget Unit	Hector H. Henry II Greenway		Functional Area	Parks & Recreation		Priority Rank	3	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input checked="" type="checkbox"/> Land/ROW Acq. Required
2,020,585	395,585	50,000	1,575,000	0	0	0	1,625,000	

Section 2 Description of Capital Item

This project is the design, grant application and construction of Hector H Henry II Greenway, Riverwalk Phase. The project addresses bicycle, pedestrian and greenway needs that were identified in the 2009 revision to the Livable Community Blueprint.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The Hector H Henry II Greenway, Riverwalk Phase is approximately 1.1 miles long, from the Bark Park on Weddington Road to the City-owned property at the Riverwalk neighborhood. This project would involve land acquisition, design, a PARTF grant application and construction of the greenway. The Livable Community Blueprint identifies Hector Henry Greenway as a priority need in the development of the pedestrian/bicycle trail system.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	1,575,000	0	0	0	0	1,575,000
Land/ ROW/ Acquisition	50,000	0	0	0	0	0	50,000
Total Capital Cost Est.	50,000	1,575,000	0	0	0	0	1,625,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	50,000	1,575,000	0	0	0	0	1,625,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from General Fund	50,000	1,575,000	0	0	0	0	1,625,000
Total Program Financing	50,000	1,575,000	0	0	0	0	1,625,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

City of Concord, North Carolina
Fiscal Year 2016-17 through 2020-21 Capital Improvement Plan

Section 1	Project Title	Burrage Road House Renovations				Budget Unit #	8300	
Budget Unit	P&R - Capital Projects	Functional Area	Parks & Recreation		Priority Rank	4		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation
337,027	0	337,027	0	0	0	0	337,027	

Section 2 Description of Capital Item

This project is the design and renovations of the house on the property at 946 Burrage Road. The former residence will be converted into program space for the Parks and Recreation Dept. and the surrounding grounds into appropriate parking. This will allow for arts, fitness and environmental education programming.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	309,540	0	0	0	0	0	309,540
Total Capital Cost Est.	309,540	0	0	0	0	0	309,540
Total Oper. Impact Est.	27,487	0	0	0	0	0	27,487
Total Expenditure Est.	337,027	0	0	0	0	0	337,027

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Hardware/ Software	5,730	0	0	0	0	0	5,730
Light Equip/ Furniture	19,324	0	0	0	0	0	19,324
Other	2,433	0	0	0	0	0	2,433
Total	27,487	0	0	0	0	0	27,487

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	309,540	0	0	0	0	0	309,540
Operating Revenue	27,487	0	0	0	0	0	27,487
Total Program Financing	337,027	0	0	0	0	0	337,027

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	Hartsell Recreation Center Renovations				Budget Unit #	8300		
Budget Unit	P&R - Capital Projects		Functional Area	Parks & Recreation		Priority Rank	5		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input checked="" type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
1,970,912	110,550	1,815,000	45,362	0	0	0	1,860,362		

Section 2 Description of Capital Item

This project is to renovate Hartsell Recreation Center.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Logan Multi-Purpose Center and Academy Recreation Center have each been almost entirely renovated. The age and dysfunctional floor plan of Hartsell Recreation Center is unsafe and underutilizes the potential footprint for serving programs and general use by the public.

History and Current Status; Impact if Cancelled or Delayed

NOTE: Master planning is complete and the cost estimate for renovations is \$1.9 million. This would address structural issues with the exterior, and renovations to the upper and lower levels.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	1,815,000	0	0	0	0	0	1,815,000
Total Capital Cost Est.	1,815,000	0	0	0	0	0	1,815,000
Total Oper. Impact Est.	0	45,362	0	0	0	0	45,362
Total Expenditure Est.	1,815,000	45,362	0	0	0	0	1,860,362

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Hardware/ Software	0	3,515	0	0	0	0	3,515
Light Equip/ Furniture	0	23,727	0	0	0	0	23,727
Salaries/ Benefits	0	18,120	0	0	0	0	18,120
Total	0	45,362	0	0	0	0	45,362

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	1,815,000	0	0	0	0	0	1,815,000
Operating Revenue	0	45,362	0	0	0	0	45,362
Total Program Financing	1,815,000	45,362	0	0	0	0	1,860,362

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Northwest Park Development				Budget Unit #	8313		
Budget Unit	Parks	Functional Area	Parks & Recreation			Priority Rank	6		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input checked="" type="checkbox"/> Land/ROW Acq. Required		
842,031	5,031	0	800,000	37,000	0	0	837,000		

Section 2 Description of Capital Item

Development of a passive park to address needs in the Northwest that were identified in the Livable Community Blueprint.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

To design and construct a park of approximately 32 acres to serve the Northwest community needs of Concord. The Concord Parks & Recreation Department's Vision Statement and the Livable Community Blueprint identifies the need to address residents' interest in such a park. The project includes an assessment of the property, planning/design, and construction of the park facility located near Coddle Creek and Highway 73. City Council established a goal of seeking opportunities for park land acquisition and development in this region.

History and Current Status; Impact if Cancelled or Delayed

Funds were identified in FY11/12 and 12/13 for land acquisition. Funding in FY17/18 will secure a consultant for design and construction.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	525,000	0	0	0	0	525,000
Construction - Building/Utility	0	225,000	0	0	0	0	225,000
Heavy Equip/ Apparatus	0	50,000	0	0	0	0	50,000
Total Capital Cost Est.	0	800,000	0	0	0	0	800,000
Total Oper. Impact Est.	0	0	37,000	0	0	0	37,000
Total Expenditure Est.	0	800,000	37,000	0	0	0	837,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Other	0	0	7,000	0	0	0	7,000
Salaries/ Benefits	0	0	30,000	0	0	0	30,000
Total	0	0	37,000	0	0	0	37,000

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	37,000	0	0	0	37,000
Transfer from General Fund	0	800,000	0	0	0	0	800,000
Total Program Financing	0	800,000	37,000	0	0	0	837,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title McEachern Greenway, Hospital Phase	Budget Unit #	8312						
Budget Unit	McEachern Greenway	Functional Area	Parks & Recreation						
		Priority Rank	7						
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input checked="" type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
491,400	0	0	42,000	449,400	0	0	491,400		

Section 2 Description of Capital Item

This project is the design and construction of McEachern Greenway, Hospital Phase. This project addresses pedestrian, bicycle, and greenway needs that were identified in the 2009 revision of the Livable Community Blueprint. 16/17 request is for land acquisition.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The development of McEachern Greenway, Hospital Phase is an approximately one (1) mile segment that begins as a sidewalk on Burrage Road as it passes over Three Mile Branch and travels uphill to Carolinas Medical Center - Northeast. This local loop would then turn right and run along Lake Concord Road as a sidewalk, then turn right and follow Three Mile Branch as a greenway trail, downstream back to Burrage Road. This project includes land acquisition, design, and construction of the greenway. McEachern Greenway is identified in the Livable Community Blueprint as a priority need in the development of the Pedestrian/Bicycle Trail System. This local loop would serve employees and customers of the Hospital and Carolina Mall area.

History and Current Status; Impact if Cancelled or Delayed

McEachern Greenway is identified in the Livable Community Blueprint to extend from Les Myers Park to Carolinas Medical Center- NorthEast, a distance of 4 1/2 miles. This project would nearly complete the greenway as originally envisioned, lacking only an 8/10 mile connection from Burrage Road to Brookwood Drive.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	0	105,000	0	0	0	105,000
Construction - Building/Utility	0	0	100,000	0	0	0	100,000
Heavy Equip/ Apparatus	0	0	100,000	0	0	0	100,000
Land/ ROW/ Acquisition	0	42,000	0	0	0	0	42,000
Light Equip/ Furniture	0	0	100,000	0	0	0	100,000
Other	0	0	15,000	0	0	0	15,000
Prelim Design/ Plans	0	0	29,400	0	0	0	29,400
Total Capital Cost Est.	0	42,000	449,400	0	0	0	491,400
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	42,000	449,400	0	0	0	491,400

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Grants	0	40,000	428,000	0	0	0	468,000
Transfer from General Fund	0	2,000	21,400	0	0	0	23,400
Total Program Financing	0	42,000	449,400	0	0	0	491,400

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title McEachern Greenway, Fink Phase	Budget Unit # 8312							
Budget Unit McEachern Greenway	Functional Area Parks & Recreation	Priority Rank 8							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
1,414,110	0	1,311,000	103,110	0	0	0	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		

Section 2 Description of Capital Item

This is the design and construction of McEachern Greenway, from Cabarrus Avenue upstream approximately 4,500 linear feet. All site control is in place, design work would be performed by the City's Engineering Services Department.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	1,311,000	0	0	0	0	0	1,311,000
Total Capital Cost Est.	1,311,000	0	0	0	0	0	1,311,000
Total Oper. Impact Est.	0	103,110	0	0	0	0	103,110
Total Expenditure Est.	1,311,000	103,110	0	0	0	0	1,414,110

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Salaries/ Benefits	0	103,110	0	0	0	0	103,110
Total	0	103,110	0	0	0	0	103,110

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	311,000	0	0	0	0	0	311,000
Transfer from General Fund	1,000,000	0	0	0	0	0	1,000,000
Total Program Financing	1,311,000	0	0	0	0	0	1,311,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Webb Field Renovations					Budget Unit #	8300	
Budget Unit	P&R - Capital Projects		Functional Area	Parks & Recreation		Priority Rank	9	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input checked="" type="checkbox"/> Expansion <input type="checkbox"/> Renovation Land/ROW Acq. Required
500,000	0	0	500,000	0	0	0	500,000	

Section 2 Description of Capital Item

Webb Field was recently acquired by the City. The infield needs to be renovated. All buildings need to be evaluated for renovation, removal or replacement. This work will serve to make the facility ADA-compliant.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Funding for a consultant to evaluate field, building and facility conditions, and recommend the appropriate design and action solutions will be requested as part of the P&R, FY 17/18 operational budget. Construction funding in 17/18 would fund building construction and grounds upgrades as approved.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	500,000	0	0	0	0	500,000
Total Capital Cost Est.	0	500,000	0	0	0	0	500,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	500,000	0	0	0	0	500,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from General Fund	0	500,000	0	0	0	0	500,000
Total Program Financing	0	500,000	0	0	0	0	500,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Hartsell Ballfield Complex Renovations				Budget Unit #	8300		
Budget Unit	P&R - Capital Projects		Functional Area	Parks & Recreation		Priority Rank	10		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input checked="" type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
345,000	0	0	345,000	0	0	0	345,000		

Section 2 Description of Capital Item

This project is the complete renovation of the Hartsell Ballfield Complex, including fields, buildings, surrounding property, pathways, seating, and other related structures.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The Hartsell Complex has declined to the point where it is unsafe and unappealing. The primary partnering user group has moved on to more attractive facilities. Bathroom and press box renovations are needed. Pathways and seating would become ADA-compliant.

History and Current Status; Impact if Cancelled or Delayed

This facility is functional for recreational play, but needs to be modernized and made ADA-compliant.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	0	345,000	0	0	0	0	345,000
Total Capital Cost Est.	0	345,000	0	0	0	0	345,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	345,000	0	0	0	0	345,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from General Fund	0	345,000	0	0	0	0	345,000
Total Program Financing	0	345,000	0	0	0	0	345,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Park Lighting Project						Budget Unit #	8300
Budget Unit	P&R - Capital Projects		Functional Area Parks & Recreation				Priority Rank	11
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required
716,144	66,144	0	250,000	250,000	150,000	0	650,000	

Section 2 Description of Capital Item

This project would replace existing park lights and poles as needed, dependent upon the results of every-other-year pole inspections. Possible sites include: Webb Field, Les Myers Park, Beverly Hills Park tennis courts, Caldwell Park basketball courts, Webb Field, Hartsell Ballfield Complex; lights only at Caldwell fields and tennis courts.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Replacing existing lights and poles will address safety concerns, reduce operating and maintenance costs, and reduce spill light to adjacent courts and neighborhoods. This is consistent with Department Goals to operate safe facilities in a cost-effective and energy-efficient manner.

History and Current Status; Impact if Cancelled or Delayed

NOTE: Funding will not be requested until such time that regular bi-annual pole inspections (borings) indicate the poles have become unsafe. Actual costs will not be known until such time.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	250,000	250,000	150,000	0	0	650,000
Total Capital Cost Est.	0	250,000	250,000	150,000	0	0	650,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	250,000	250,000	150,000	0	0	650,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from General Fund	0	250,000	250,000	150,000	0	0	650,000
Total Program Financing	0	250,000	250,000	150,000	0	0	650,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Coddle Creek Greenway	Budget Unit # 8300							
Budget Unit P&R - Capital Projects	Functional Area Parks & Recreation	Priority Rank 12							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input checked="" type="checkbox"/> Land/ROW Acq. Required		
3,500,000	0	0	0	0	0	445,000	445,000		

Section 2 Description of Capital Item

This project is the development of Coddle Creek/Afton Run Greenway Phase One, from Dorton Park to Highway 29.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Development of this greenway addresses bicycle/pedestrian trail needs that were identified as priorities in the Livable Community Blueprint.

History and Current Status; Impact if Cancelled or Delayed

A preliminary trail alignment study was performed. Opportunities for acquisition of site control are being considered.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	0	0	0	0	1,475,000	0
Construction - Building/Utility	0	0	0	0	0	1,125,000	0
Engineering / Arch Serv	0	0	0	0	245,000	0	245,000
Heavy Equip/ Apparatus	0	0	0	0	0	315,000	0
Land/ ROW/ Acquisition	0	0	0	0	200,000	0	200,000
Light Equip/ Furniture	0	0	0	0	0	140,000	0
Total Capital Cost Est.	0	0	0	0	445,000	3,055,000	445,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	445,000	3,055,000	3,500,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from General Fund	0	0	0	0	445,000	3,055,000	3,500,000
Total Program Financing	0	0	0	0	445,000	3,055,000	3,500,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Irish Buffalo Creek Greenway				Budget Unit #	8300		
Budget Unit	P&R - Capital Projects		Functional Area	Parks & Recreation		Priority Rank	13		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input checked="" type="checkbox"/> Land/ROW Acq. Required		
2,000,000	0	0	0	0	0	340,000	340,000		

Section 2 Description of Capital Item

The development of Irish Buffalo Creek Greenway Phase One. Development of this greenway addresses bicycle/pedestrian trail needs that were identified as priorities in the Livable Community Blueprint. Irish Buffalo Creek is a segment of the Carolina Thread Trail.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The development of Irish Buffalo Creek Greenway Phase one is an approximately 2 mile segment that begins at I-85 and extends to the intersection of Highway 29 and McGill Avenue. This would include land acquisition, planning/design, and construction of the greenway. Irish Buffalo Creek Greenway is identified as a priority need in the bicycle/pedestrian trail section of the Livable Community Blueprint, and is a segment of the Carolina Thread Trail.

History and Current Status; Impact if Cancelled or Delayed

Delay of this section of the Carolina Thread Trail would hinder connectivity to Kannapolis.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	0	0	800,000	0
Engineering / Arch Serv	0	0	0	0	140,000	0	140,000
Heavy Equip/ Apparatus	0	0	0	0	0	780,000	0
Light Equip/ Furniture	0	0	0	0	0	80,000	0
Prelim Design/ Plans	0	0	0	0	200,000	0	200,000
Total Capital Cost Est.	0	0	0	0	340,000	1,660,000	340,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	340,000	1,660,000	2,000,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Grants	0	0	0	0	340,000	0	340,000
Transfer from General Fund	0	0	0	0	0	1,660,000	1,660,000
Total Program Financing	0	0	0	0	340,000	1,660,000	2,000,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Accent Avenue Outfall	Budget Unit # 8402							
Budget Unit Wastewater Projects	Functional Area Wastewater Projects	Priority Rank 1							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
590,000	0	590,000	0	0	0	0	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		

Section 2 Description of Capital Item

This sewer outfall to Accent Avenue will provide the availability of sewer service at the low point of the road in order to serve future customers along the road through extensions.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Sewer service was requested by various property owners living along Accent Avenue.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	590,000	0	0	0	0	0	590,000
Total Capital Cost Est.	590,000	0	0	0	0	0	590,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	590,000	0	0	0	0	0	590,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Wastewater	590,000	0	0	0	0	0	590,000
Total Program Financing	590,000	0	0	0	0	0	590,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Concord Mills Boulevard Left Turn Flyover					Budget Unit #	8402	
Budget Unit	Wastewater Projects		Functional Area Wastewater Projects		Priority Rank	6		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required
100,000	0	0	0	100,000	0	0	100,000	

Section 2 Description of Capital Item

Provide for a new relocated and/or replaced sewer line(s) along Concord Mills Boulevard located between I-85 and Derita Road as a result of the NCDOT Left Turn Lane Flyover project at Concord Mills Mall.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

To make sure that the new relocated and/or replaced sewer line is able to handle the additional loading of the earth fill required for the proposed flyover structure. Design calculations for the new sewer line will be provided by the NCDOT's consultant engineer and included in the approved project plans.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	100,000	0	0	0	100,000
Total Capital Cost Est.	0	0	100,000	0	0	0	100,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	100,000	0	0	0	100,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Wastewater	0	0	100,000	0	0	0	100,000
Total Program Financing	0	0	100,000	0	0	0	100,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Infrastructure Projects - PIP Sidewalks				Budget Unit #	8600		
Budget Unit	Street Projects	Functional Area	Transportation Projects			Priority Rank	1		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
750,000	0	150,000	150,000	150,000	150,000	150,000	750,000	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation
								<input type="checkbox"/> Land/ROW Acq. Required	

Section 2 Description of Capital Item

Construct new City sidewalks and associated infrastructure to expand the existing pedestrian system. The priority of projects is determined annually in October and presented to City Council for approval in accordance with the Pedestrian Improvement Policy.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The extension of sidewalks into areas of the City of Concord currently lacking such infrastructure is needed to meet stated City Council Goals, proposed recommendations of the Livable Communities Blueprint, and to address City core values relating to safety and environment.

History and Current Status; Impact if Cancelled or Delayed

New sidewalk extensions approved under the Policy have been funded and constructed since 2003. Presently, the Miramar Phase II Sidewalk Extension is next on City Council approved list. Cancellation or delay will affect a FY 13 Council goal of moving towards the Complete Streets concept for Concord.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	20,000	20,000	20,000	20,000	20,000	0	100,000
Construction - Building/Utility	120,000	120,000	120,000	120,000	120,000	0	600,000
Land/ ROW/ Acquisition	10,000	10,000	10,000	10,000	10,000	0	50,000
Total Capital Cost Est.	150,000	150,000	150,000	150,000	150,000	0	750,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	150,000	150,000	150,000	150,000	150,000	0	750,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Maintenance/ Fuel	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from GF/Vehicle Fees	150,000	150,000	150,000	150,000	150,000	0	750,000
Total Program Financing	150,000	150,000	150,000	150,000	150,000	0	750,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Concord Mills Blvd Fly Over (U-5806)				Budget Unit #	8600		
Budget Unit	Street Projects	Functional Area	Transportation Projects			Priority Rank	2		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
			<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	<input type="checkbox"/> Land/ROW Acq. Required				
1,500,000	0	1,500,000	0	0	0	0	1,500,000		

Section 2 Description of Capital Item

Participate monetarily for 20% of the actual cost to construct a left-turn flyover from Concord Mills Blvd into Gate 5 of Concord Mills Mall through a Municipal Agreement with the NCDOT. The fly over will help to mitigate congestion along the Concord Mills Blvd/Bruton Smith Blvd corridor by allowing free flow of traffic into Concord Mills Mall.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The construction of the Concord Mills Fly Over addresses the City Council goal to support Exit 49 economic development and congestion with City participation. The project is currently on the Statewide TIP listing. These improvements also address City of Concord Core Values of safety and the environment.

History and Current Status; Impact if Cancelled or Delayed

NCDOT has added and ranked this project (U-5806) into the latest TIP. NCDOT will manage this project and coordinate with affected entities. The City's estimated participation cost for the work is \$1,500,000.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	1,500,000	0	0	0	0	0	1,500,000
Total Capital Cost Est.	1,500,000	0	0	0	0	0	1,500,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	1,500,000	0	0	0	0	0	1,500,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from GF/Vehicle Fees	1,300,000	0	0	0	0	0	1,300,000
Additional \$5 Vehicle Fees	200,000	0	0	0	0	0	200,000
Total Program Financing	1,500,000	0	0	0	0	0	1,500,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	Brookwood Ave NE Corridor Enhancement					Budget Unit #	8600	
Budget Unit	Street Projects	Functional Area				Transportation Projects	Priority Rank	3	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
							<input checked="" type="checkbox"/> Replacement	<input checked="" type="checkbox"/> Renovation	
							<input checked="" type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
6,200,000	2,602,400	0	1,798,800	1,798,800	0	0	3,597,600		

Section 2 Description of Capital Item

Provide street improvements to the section of Brookwood Ave NE running between Burrage Rd NE and Church St N, as recommended in the 2006-2007 Brookwood Corridor Study by SV/ Ralph Whitehead.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Engineering, design, and construction of this section of the Brookwood Corridor will provide needed infrastructure improvements based on the complete streets concept to this east-west thoroughfare as shown on the City of Concord's Comprehensive Transportation Plan (CTP). The project will address City of Concord Core Values relating to continuous improvement, safety, and the environment. It was previously identified as a Council Goal in FY-07.

History and Current Status; Impact if Cancelled or Delayed

The initial Brookwood Avenue (NE Section) Corridor Study was presented to and approved by City Council in March of 2007. Continuance of the project was then placed on hold by City Council. Staff was instructed in early 2013 to again look at proceeding with the design and (later) construction of recommended street section. As noted in the initial study, construction of the enhancements will provide for improved operation of the intersections at Church St., N (NC Hwy. 73) and Branchview Dr., NE (NC Hwy. 3), along with providing pedestrian access on the corridor and to the future extension of the Harold McEachern Greenway. Note: Construction is contingent on funding availability in coordination with other approved projects. Contract is now with STV / Ralph Whitehead for execution.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	1,698,800	0	0	0	0	1,698,800
Construction - Building/Utility	0	0	1,798,800	0	0	0	1,798,800
Land/ ROW/ Acquisition	0	100,000	0	0	0	0	100,000
Total Capital Cost Est.	0	1,798,800	1,798,800	0	0	0	3,597,600
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	1,798,800	1,798,800	0	0	0	3,597,600

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Maintenance/ Fuel	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Salaries/ Benefits	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from GF/Vehicle Fees	0	1,798,800	1,798,800	0	0	0	3,597,600
Total Program Financing	0	1,798,800	1,798,800	0	0	0	3,597,600

Section 6 Maps / Charts / Tables / Pictures **Section 7 Comments for Other Depts.**



Section 1	Project Title	Bruton Smith Blvd Pedestrian Improvements (EB-5732)				Budget Unit #	8600		
Budget Unit	Street Projects	Functional Area	Transportation Projects			Priority Rank	4		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			<input type="checkbox"/> Land/ROW Acq.				<input type="checkbox"/> Required		
800,000	0	0	800,000	0	0	0	800,000		

Section 2 Description of Capital Item

Participate monetarily for 20% of the actual cost to provide sidewalks and pedestrian crossings along Bruton Smith Blvd from US 29 to Gateway Ln NW through a Municipal Agreement with the NCDOT.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The construction of the Bruton Smith Blvd pedestrian improvements addresses the City Council goal to support Exit 49 economic development and pedestrian projects with City participation. The project is currently on the Statewide TIP listing. The extension of new pedestrian facilities into areas of the City of Concord without such infrastructure and the allocation of funds to provide for such is a stated City Council goal as part of the recommendation of the Livable Communities Blueprint. These improvements also address City of Concord Core Values relating to safety and the environment.

History and Current Status; Impact if Cancelled or Delayed

NCDOT has added and ranked this project (EB-5732) into the latest TIP. NCDOT will manage this project and coordinate with affected entities. The City's estimated participation cost for the work is \$800,000.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	800,000	0	0	0	0	800,000
Total Capital Cost Est.	0	800,000	0	0	0	0	800,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	800,000	0	0	0	0	800,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from GF/Vehicle Fees	0	800,000	0	0	0	0	800,000
Total Program Financing	0	800,000	0	0	0	0	800,000

Section 6 Maps / Charts / Tables / Pictures **Section 7 Comments for Other Depts.**



Section 1	Project Title	Realignment of Union Cemetery Rd				Budget Unit #	8600		
Budget Unit	Street Projects	Functional Area	Transportation Projects			Priority Rank	5		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
5,000,000	0	0	2,000,000	3,000,000	0	0	5,000,000		

Section 2 Description of Capital Item

The realignment of Union Cemetery Rd SW will intersect US 29 at Rock Hill Church Rd, as well as, terminate the intersection of Union Cemetery Rd SW at Cabarrus Ave. W and create a cul-de-sac. Currently the intersections of US 29 at Cabarrus Ave., W and Union Cemetery Rd., SW at Cabarrus Ave., are approx. 200' apart, resulting in significant delay and congestion in the vicinity.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Engineering, design, and construction of the realignment of Union Cemetery Rd SW to intersect with US 29 at Rock Hill Church Rd. It will also terminate the intersection of Union Cemetery Rd SW at Cabarrus Ave W and create a cul-de-sac. The project will address City of Concord Core Values relating to continuous improvement, safety, and the environment. City Council also passed a resolution on August 13th, 2015 in support of the project being considered for the NCDOT Transportation Improvement Plan (TIP).

History and Current Status; Impact if Cancelled or Delayed

City Council passed a resolution on August 13th, 2015 in support of the project being considered for the NCDOT Transportation Improvement Plan (TIP).

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	2,000,000	3,000,000	0	0	0	5,000,000
Total Capital Cost Est.	0	2,000,000	3,000,000	0	0	0	5,000,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	2,000,000	3,000,000	0	0	0	5,000,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from GF/Vehicle Fees	0	2,000,000	3,000,000	0	0	0	5,000,000
Total Program Financing	0	2,000,000	3,000,000	0	0	0	5,000,000

Section 6 Maps / Charts / Tables / Pictures **Section 7 Comments for Other Depts.**



Section 1	Project Title City of Concord Traffic Mgmt Center	Budget Unit # 8600							
Budget Unit Street Projects	Functional Area Transportation Projects	Priority Rank 6							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
3,152,532	2,052,532	1,100,000	0	0	0	0	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
						1,100,000	<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	

Section 2 Description of Capital Item

Construction and installation of City of Concord Traffic Management Center and associated extension of fiber optic communication network(s) - Fiber optic and wireless interconnections, modems, patch bays, strategically placed Traffic Surveillance Video Equipment, and upgrades to vehicle detection loops. A portion of the Clear/Grade/Site Prep cost is to establish a street connection for future Brown Operations Center expansions.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

It is a City Council goal to have a fully operations Traffic Signals Division for Concord. To meet the increasing demands of traffic without building additional infrastructure, intelligent Transportation Systems (ITS) are imperative in managing and optimizing existing facilities. Concord is the central location of several major sporting events, retail centers, and contains major arterials connecting commuters to Charlotte. This, in turn, presents challenges directed specifically towards traffic management. Ever-increasing demands warrant the generation of a Traffic Management Center with its associated communication networks.

History and Current Status; Impact if Cancelled or Delayed

The City Manager was authorized by City Council to negotiate and execute a contract with Carlos Moore and Associates PA for the design of the Traffic Management Center. The contract for design services has been executed and site survey work has been performed.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	1,100,000	0	0	0	0	0	1,100,000
Total Capital Cost Est.	1,100,000	0	0	0	0	0	1,100,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	1,100,000	0	0	0	0	0	1,100,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	550,000	0	0	0	0	0	550,000
Transfer from GF/Vehicle Fees	550,000	0	0	0	0	0	550,000
Total Program Financing	1,100,000	0	0	0	0	0	1,100,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Derita Road Widening				Budget Unit #	8600		
Budget Unit	Street Projects	Functional Area	Transportation Projects			Priority Rank	7		
Total Project Cost	Total Appropriations To date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
			<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation			<input type="checkbox"/> Land/ROW Acq. Required		
3,855,000	3,780,000	75,000	0	0	0	0	75,000		

Section 2 Description of Capital Item

Provide funding for NCDOT TIP U-4910 roadway improvements on Derita Rd (SR-1445) from Poplar Tent to Concord Mills Blvd. The project includes design, permitting, purchase of right-of-way, utility relocation, and construction of an improved roadway section with curb, gutter and sidewalks.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Derita Rd. is an important entrance corridor to the City of Concord and is currently a two-lane "farm-to-market type" road. This corridor connects to I-85 at Poplar Tent Rd. which provides a critical link in the southeastern United States interstate system. It is also the only point of access to the Concord Regional Airport, which is the 4th busiest airport in North Carolina. With its importance to the airport, major business parks along its alignment, and new commercial and residential development in the immediate area, Derita Rd. is currently operating at a minimal level of service and is seeing increasing congestion delay.

History and Current Status; Impact if Cancelled or Delayed

This project was approved in the Long Range Transportation Plan (LRTP) and on the NCDOT Priority Projects List for the CRMPO. Funding is a compilation of a Congressional Earmark and four NCDOT High Priority Projects (HPPs) along with the City's Local Match. The SAFETEA LU Agreement has been approved. Primary consultant is AECOM. Realistic Construction Let Date for the project is scheduled for October 2016.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	75,000	0	0	0	0	0	75,000
Total Capital Cost Est.	75,000	0	0	0	0	0	75,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	75,000	0	0	0	0	0	75,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Other	75,000	0	0	0	0	0	75,000
Total Program Financing	75,000	0	0	0	0	0	75,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Fire Station #10 Permanent Station					Budget Unit #	8670	
Budget Unit	Fire & Life Safety Projects		Functional Area Fire & Life Safety Projects			Priority Rank	2	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation <input type="checkbox"/> Land/ROW Acq. Required
4,182,188	0	0	319,921	3,862,267	0	0	4,182,188	

Section 2 Description of Capital Item

The preliminary design, engineering, and architecture design in FY18 will be the first step in the process of a permanent Fire Station which will replace the temporary building currently on site. This project will serve the Harris Road/Poplar Tent Road area from the current site adjacent to the Cannon Crossing Commercial development and includes permanent station construction and equipment in FY19 for Fire Station #10. This facility will also include space for the Concord Police Department's Edward District Office and a partnership with Cabarrus County EMS.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The permanent fire station is required based on recent and anticipated annexations in this growth area within the City's northwestern boundary agreement. Effective Fall 2010, Engine Company 10 entered service; however, this area of the city requires a ladder company based on structures in the area and the distribution of companies.

History and Current Status; Impact if Cancelled or Delayed

Until the permanent fire station is completed, the needed ladder company for this area will not be relocated which will adversely affect company distribution.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	0	231,525	0	0	0	231,525
Construction - Building/Utility	0	0	3,500,000	0	0	0	3,500,000
Engineering / Arch Serv	0	300,000	0	0	0	0	300,000
Light Equip/ Furniture	0	0	130,742	0	0	0	130,742
Prelim Design/ Plans	0	19,921	0	0	0	0	19,921
Total Capital Cost Est.	0	319,921	3,862,267	0	0	0	4,182,188
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	319,921	3,862,267	0	0	0	4,182,188

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	319,921	3,862,267	0	0	0	4,182,188
Total Program Financing	0	319,921	3,862,267	0	0	0	4,182,188

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Engineering, Legal, and Police. The Edward District office for the Police Department will result in an estimated \$300,000 +/- increase in the overall cost of this project. Adding a parking area for the PD will also have a significant impact. Cost of construction was updated by Ken Griffin Architecture in December of 2015.

Section 1	Project Title George Liles Boulevard Waterline Phase 3					Budget Unit #	8700	
Budget Unit	Water Projects		Functional Area Future Water Connections		Priority Rank	1		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New <input type="checkbox"/> Expansion <input type="checkbox"/> Replacement <input type="checkbox"/> Renovation <input type="checkbox"/> Land/ROW Acq. Required
1,777,621	1,195,191	282,430	300,000	0	0	0	582,430	

Section 2 Description of Capital Item

Provide a new 24" waterline from Weddington Road to Roberta Road as part of the NCDOT Westside Bypass Project.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

To further enhance system pressure and enable greater volumes of water to be distributed throughout our system more efficiently. This is in accordance with WSACC's Master Plan.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	282,430	300,000	0	0	0	0	582,430
Total Capital Cost Est.	282,430	300,000	0	0	0	0	582,430
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	282,430	300,000	0	0	0	0	582,430

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Water	282,430	300,000	0	0	0	0	582,430
Total Program Financing	282,430	300,000	0	0	0	0	582,430

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Derita Road Widening	Budget Unit # 8700							
Budget Unit Water Projects	Functional Area Future Water Connections	Priority Rank 2							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
750,000	0	125,000	625,000	0	0	0	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
						750,000			

Section 2 Description of Capital Item

Provide for the relocation and upsizing of existing water lines along Derita Road between Concord Mills Boulevard and Poplar Tent Road as a result of the NCDOT widening the existing roadway section.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

To further enhance system pressure and enable greater volumes of water to be distributed throughout the system more efficiently.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	125,000	625,000	0	0	0	0	750,000
Total Capital Cost Est.	125,000	625,000	0	0	0	0	750,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	125,000	625,000	0	0	0	0	750,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Water	125,000	625,000	0	0	0	0	750,000
Total Program Financing	125,000	625,000	0	0	0	0	750,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Coddle Creek Settling Basin Upgrades				Budget Unit #	8700		
Budget Unit	Water Projects	Functional Area	Future Water Connections			Priority Rank	3		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			Land/ROW Acq. Required						
4,725,000	0	225,000	1,500,000	3,000,000	0	0	4,725,000		

Section 2 Description of Capital Item

This project is to design and construct settling basin upgrades at the Coddle Creek Water Treatment Plant and includes a pilot study.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is to enhance water quality through the water treatment process as well as replace existing treatment technology that has exceeded its lifespan and is nearing failure.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	225,000	1,500,000	3,000,000	0	0	0	4,725,000
Total Capital Cost Est.	225,000	1,500,000	3,000,000	0	0	0	4,725,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	225,000	1,500,000	3,000,000	0	0	0	4,725,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	225,000	1,500,000	3,000,000	0	0	0	4,725,000
Total Program Financing	225,000	1,500,000	3,000,000	0	0	0	4,725,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Security Improvements at WTPs and Remote Sites				Budget Unit #	8700		
Budget Unit	Water Projects	Functional Area	Future Water Connections			Priority Rank	4		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
			<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation			<input type="checkbox"/> Land/ROW Acq. Required		
100,000	0	100,000	0	0	0	0	100,000		

Section 2 Description of Capital Item

This project is to fund security improvements at the water treatment plants and the remote sites including water storage tanks and booster pump stations.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is to provide needed security measures to aid in the protection of water supply and infrastructure and reduce vulnerability from outside factors.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	100,000	0	0	0	0	0	100,000
Total Capital Cost Est.	100,000	0	0	0	0	0	100,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	100,000	0	0	0	0	0	100,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Water	100,000	0	0	0	0	0	100,000
Total Program Financing	100,000	0	0	0	0	0	100,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Sampling Stations for Distribution System				Budget Unit #	8700		
Budget Unit	Water Projects	Functional Area	Future Water Connections			Priority Rank	5		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
			<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation			<input type="checkbox"/> Land/ROW Acq. Required		
100,000	0	100,000	0	0	0	0	100,000		

Section 2 Description of Capital Item

These are sample stations that are installed in the distribution system for sample collection purposes.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project will allow Water Resources to maintain control over taps used for sample collection thus reducing likelihood that a sample tap can be contaminated by outside sources, closed without notice, or other events that can negatively impact our sampling regulatory compliance.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	100,000	0	0	0	0	0	100,000
Total Capital Cost Est.	100,000	0	0	0	0	0	100,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	100,000	0	0	0	0	0	100,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Water	100,000	0	0	0	0	0	100,000
Total Program Financing	100,000	0	0	0	0	0	100,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Raw Water Line & Flow Meter for Coddle Creek WTP				Budget Unit #	8700		
Budget Unit	Water Projects	Functional Area	Future Water Connections			Priority Rank	6		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
1,190,000	0	1,190,000	0	0	0	0	1,190,000		

Section 2 Description of Capital Item

This project is for the addition of a second raw water line from Lake Howell to Coddle Creek WTP.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Water Resources will have a second raw water line to supply water to the Coddle Creek WTP that will allow continued operations in the event of a broken line or if the current raw water line needed to be repaired or rehabilitated. Without the additional raw water line, the plant will be completely out of service if the current raw water line becomes unusable for any reason.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	1,190,000	0	0	0	0	0	1,190,000
Total Capital Cost Est.	1,190,000	0	0	0	0	0	1,190,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	1,190,000	0	0	0	0	0	1,190,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Other	1,190,000	0	0	0	0	0	1,190,000
Total Program Financing	1,190,000	0	0	0	0	0	1,190,000

Section 6	Maps / Charts / Tables / Pictures	Section 7	Comments for Other Depts.
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Section 1	Project Title	Hwy 73 Waterline - Kannapolis Parkway & Trinity Church Rd.				Budget Unit #	8700		
Budget Unit	Water Projects	Functional Area	Future Water Connections			Priority Rank	9		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
1,303,125	0	0	195,470	1,107,655	0	0	1,303,125		

Section 2 Description of Capital Item

This project requires approximately 6,225 ft. of 16" waterline between Kannapolis Parkway and Trinity Church Road on Highway 73 W.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

To provide more efficient service to the Industrial Drive area by increasing volume and reliability.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	1,107,655	0	0	0	1,107,655
Engineering / Arch Serv	0	195,470	0	0	0	0	195,470
Total Capital Cost Est.	0	195,470	1,107,655	0	0	0	1,303,125
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	195,470	1,107,655	0	0	0	1,303,125

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Water	0	195,470	1,107,655	0	0	0	1,303,125
Total Program Financing	0	195,470	1,107,655	0	0	0	1,303,125

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Concord Mills Boulevard Left Turn Flyover				Budget Unit #	8700		
Budget Unit	Water Projects	Functional Area	Future Water Connections			Priority Rank	13		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
200,000	0	0	0	200,000	0	0	200,000		

Section 2 Description of Capital Item

Provide for a new relocated and/or replaced water line(s) along Concord Mills Boulevard located between I-85 and Derita Road as a result of the NCDOT Left Turn Lane Flyover project at Concord Mills Mall.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

To make sure that the new relocated and/or replaced water line is able to handle the additional loading of the earth fill required for the proposed flyover structure. Design calculations for the new water line will be provided by the NCDOT's consultant engineer and included in the approved project plans.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	200,000	0	0	0	200,000
Total Capital Cost Est.	0	0	200,000	0	0	0	200,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	200,000	0	0	0	200,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Water	0	0	200,000	0	0	0	200,000
Total Program Financing	0	0	200,000	0	0	0	200,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Proposed NC Highway 49 Water Tank				Budget Unit #	8700		
Budget Unit	Water Projects	Functional Area	Future Water Connections			Priority Rank	16		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
4,500,000	0	0	0	0	500,000	4,000,000	4,500,000		

Section 2 Description of Capital Item

This project will provide a new water tank along NC Highway 49 at a location to be determined in the future.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project will further enhance water system pressure and provide a greater volume of water (through above ground storage) to be distributed throughout the system more efficiently.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	0	4,000,000	0	4,000,000
Engineering / Arch Serv	0	0	0	500,000	0	0	500,000
Total Capital Cost Est.	0	0	0	500,000	4,000,000	0	4,500,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	500,000	4,000,000	0	4,500,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Water	0	0	0	500,000	4,000,000	0	4,500,000
Total Program Financing	0	0	0	500,000	4,000,000	0	4,500,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Poplar Tent Road Water Main Extension	Budget Unit # 8700							
Budget Unit Water Projects	Functional Area Future Water Connections	Priority Rank 24							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
685,303	0	0	0	0	0	685,303	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		

Section 2 Description of Capital Item

This project will provide a new water main extension along Poplar Tent Road.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project will further enhance system pressure and enable greater volumes of water to be distributed through the existing water system.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Engineering / Arch Serv	0	0	0	0	685,303	0	685,303
Total Capital Cost Est.	0	0	0	0	685,303	0	685,303
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	685,303	0	685,303

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Water	0	0	0	0	685,303	0	685,303
Total Program Financing	0	0	0	0	685,303	0	685,303

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Highway 73 Water Main Connection to Charlotte-Mecklenburg Utilities				Budget Unit #	8700		
Budget Unit	Water Projects		Functional Area	Future Water Connections			Priority Rank	25	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
544,000	0	0	0	0	0	544,000	544,000		

Section 2 Description of Capital Item

This project will provide a connection to the CMU water system located near the Highway 73 and Poplar Tent Road intersection.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project will include a connection to the CMU water system along Highway 73 in order to provide water during an emergency situation in the future.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Engineering / Arch Serv	0	0	0	0	544,000	0	544,000
Total Capital Cost Est.	0	0	0	0	544,000	0	544,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	544,000	0	544,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Water	0	0	0	0	544,000	0	544,000
Total Program Financing	0	0	0	0	544,000	0	544,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title George Liles Boulevard Waterline Phase IV	Budget Unit # 8700							
Budget Unit Water Projects	Functional Area Future Water Connections	Priority Rank 26							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
2,822,820	0	0	0	0	0	0	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		

Section 2 Description of Capital Item

This project will further enhance the system pressure and enable greater volumes of water to be distributed throughout the water system more efficiently. In addition, this project is in accordance with WSACC's Master Plan.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	0	0	2,822,820	0
Total Capital Cost Est.	0	0	0	0	0	2,822,820	0
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	0	2,822,820	2,822,820

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Water	0	0	0	0	0	2,822,820	2,822,820
Total Program Financing	0	0	0	0	0	2,822,820	2,822,820

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Les Myers Park Environmental/Remedial Investigation					Budget Unit #	8804	
Budget Unit	General Projects		Functional Area General Fund Capital		Priority Rank		1	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Expansion <input type="checkbox"/> Replacement <input checked="" type="checkbox"/> Renovation <input type="checkbox"/> Land/ROW Acq. Required
220,000	140,000	80,000	0	0	0	0	80,000	

Section 2 Description of Capital Item

Consulting Engineer and Shield Engineering, Inc. will to complete remedial investigation for landfill at Les Myers Park property. The investigation consists of subtasks; 1-data collection and field surveys; 2-first phase sampling and testing for soil, groundwater, and vapors for delineation; 3-second phase sampling and contaminant delineation; 4-third phase sampling based on previous findings for contaminants; and 5-consultant assistance to NCDENR/pre-regulatory landfill program staff.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Future phases for remediation of the landfill and closure will be managed by NCDENR and they will hire their contractor to perform closure procedures based on consultant's findings. NCDENR has money available in their Pre-Regulatory Landfill Program account to reimburse owners for the type of work that will be necessary in order to achieve final closure of the landfill site. The City of Concord volunteered for this program based on the availability of State funds to ultimately pay for the work. City Council approved this project October 2014. The goal in closing the landfill site is to make it the safest environment for our citizens and community.

History and Current Status; Impact if Cancelled or Delayed

We will not proceed with any next subtask or phase until we submit a reimbursement request to NCDENR and we receive this money back from their agency. We are working alongside our consultant and NCDENR to approve each individual phase, so as to obtain reimbursement for all of the work that is required. Since our work and the reimbursement process is dependent on both the consultant and the NC State agency, it is not possible to state that there will not be delays, however, we plan to keep the project on schedule to the greatest extent possible.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Engineering / Arch Serv	80,000	0	0	0	0	0	80,000
Total Capital Cost Est.	80,000	0	0	0	0	0	80,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	80,000	0	0	0	0	0	80,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
State Funding Grant	80,000	0	0	0	0	0	80,000
Total Program Financing	80,000	0	0	0	0	0	80,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Fiber Network Extension					Budget Unit #	8804	
Budget Unit	General Projects	Functional Area General Fund Capital			Priority Rank	2		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required
1,266,000	600,000	216,000	150,000	150,000	150,000	0	666,000	

Section 2 Description of Capital Item

Fiber network extension providing high bandwidth connectivity for data, video, telephone, SCADA needs for various city departments.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

History and Current Status; Impact if Cancelled or Delayed

The current fiber network was built over the last ten years and currently has no redundant connection due to cost and priorities. The network provides faster connectivity and has reduced telephone costs from removing lease lines.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	166,000	75,000	75,000	75,000	0	0	391,000
Total Capital Cost Est.	166,000	75,000	75,000	75,000	0	0	391,000
Total Oper. Impact Est.	50,000	75,000	75,000	75,000	0	0	275,000
Total Expenditure Est.	216,000	150,000	150,000	150,000	0	0	666,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Other	50,000	75,000	75,000	75,000	0	0	275,000
Total	50,000	75,000	75,000	75,000	0	0	275,000

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Aviation	8,227	3,740	3,740	3,740	0	0	19,447
Transfer from Electric	20,111	9,141	9,141	9,141	0	0	47,534
Transfer from General Fund	163,437	126,108	126,108	126,108	0	0	541,761
Transfer from Stormwater	4,571	2,078	2,078	2,078	0	0	10,805
Transfer from Wastewater	6,856	3,116	3,116	3,116	0	0	16,204
Transfer from Water	12,798	5,817	5,817	5,817	0	0	30,249
Total Program Financing	216,000	150,000	150,000	150,000	0	0	666,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title SDA Commercial Passenger Terminal Building, Phase 2					Budget Unit #	6300		
Budget Unit	Airport Projects		Functional Area Airport Projects		Priority Rank		1		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
15,382,000	0	0	7,382,000	0	8,000,000	0	15,382,000		

Section 2 Description of Capital Item

This project involves the construction of a passenger processing and baggage screening building in the South Development Area. The facility will be large enough to handle passengers for two large aircraft flight operations and is anticipated to be constructed in conjunction with the South Development Apron project and Fencing project.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project has been added to the Airport Layout Plan and will meet the Aviation Department's goal for customer service, safety, and revenue generation goals.

History and Current Status; Impact if Cancelled or Delayed

This is a new CIP project, proposed in conjunction with two other projects, which will assist the Airport with numerous problems created by the increase in large aircraft operations (Charter and scheduled service). The Passenger Terminal building provides a secure indoor area for required security screening and streamlines the boarding process.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	7,382,000	0	8,000,000	0	0	15,382,000
Total Capital Cost Est.	0	7,382,000	0	8,000,000	0	0	15,382,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	7,382,000	0	8,000,000	0	0	15,382,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	6,643,800	0	6,500,000	0	0	13,143,800
Operating Revenue	0	369,100	0	750,000	0	0	1,119,100
State Funding Grant	0	369,100	0	750,000	0	0	1,119,100
Total Program Financing	0	7,382,000	0	8,000,000	0	0	15,382,000

Section 6 Maps / Charts / Tables / Pictures **Section 7 Comments for Other Depts.**

Section 1	Project Title Airport Perimeter Security Fencing					Budget Unit #	6300	
Budget Unit	Airport Projects		Functional Area	Airport Projects		Priority Rank	2	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required <input checked="" type="checkbox"/> Expansion <input type="checkbox"/> Renovation
1,749,625	0	1,749,625	0	0	0	0	1,749,625	

Section 2 Description of Capital Item

The project consists of constructing an 8 foot chain link perimeter security fence around the other perimeter of the airport property. The fence will include 3 strands of barbed wire. The existing fence is made up of some 6 foot chain line fencing and some wire mesh fabric on wooden post fencing which does not meet TSA requirements. The project also includes clearing and grubbing of trees and bush on either side of fence to meet TSA requirements.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	1,749,625	0	0	0	0	0	1,749,625
Total Capital Cost Est.	1,749,625	0	0	0	0	0	1,749,625
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	1,749,625	0	0	0	0	0	1,749,625

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	1,574,663	0	0	0	0	0	1,574,663
Local Match	87,481	0	0	0	0	0	87,481
State Funding Grant	87,481	0	0	0	0	0	87,481
Total Program Financing	1,749,625	0	0	0	0	0	1,749,625

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Cost Estimate Provided by Airport Consultant Nov 2014.

Section 1	Project Title Airport Fuel Farm Tank Addition	Budget Unit # 6300							
Budget Unit Airport Projects	Functional Area Airport Projects	Priority Rank 3							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
443,000	0	0	443,000	0	0	0	0	443,000	
<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	<input type="checkbox"/> Land/ROW Acq. Required							

Section 2 Description of Capital Item

The proposed project consists of adding a 30,000 gallon Jet A fuel tank to enhance airport fuel storage capacity to meet demand.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

With the expansion of airline service, the airport sells almost twice the existing tank capacity each week. If there is a fuel supplier delivery problem, the airport could run out of fuel for customers.

History and Current Status; Impact if Cancelled or Delayed

This is a new project in the CIP and was added due to the new airline service that began at the airport in 2013. Airline service is growing with results in increase demand. Fuel sales is a significant revenue source for the Aviation Department Enterprise Fund.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Heavy Equip/ Apparatus	0	443,000	0	0	0	0	443,000
Total Capital Cost Est.	0	443,000	0	0	0	0	443,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	443,000	0	0	0	0	443,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Aviation	0	443,000	0	0	0	0	443,000
Total Program Financing	0	443,000	0	0	0	0	443,000

Section 6 Maps / Charts / Tables / Pictures **Section 7 Comments for Other Depts.**

Section 1	Project Title Runway 20 EMAS						Budget Unit #	6300
Budget Unit	Airport Projects		Functional Area Airport Projects				Priority Rank	4
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation <input type="checkbox"/> Land/ROW Acq. Required
4,693,375	0	0	938,676	3,754,699	0	0	4,693,375	

Section 2 Description of Capital Item

An Engineered Materials Arresting Systems (EMAS), is a recent technology of crushable material placed at the end of a runway and designed to absorb the forward momentum of an aircraft that overshoots the runway. Runway 20 does not meet the current FAA standard for Runway Safety Area and an EMAS would meet the requirement. The FAA has requested this situation be evaluated.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Safety and economic development are the goals of this project and it is an FAA requested project. Runway 20 at the airport currently only has 600 feet of safety area beyond the runway pavement end. The FAA requires 1,000 feet. An EMAS is an efficient way of providing 1,000 feet of overrun area without actually having the entire area available. Having the EMAS would give the airport additional runway length for takeoffs to the south.

History and Current Status; Impact if Cancelled or Delayed

With larger aircraft now using the airport, the FAA is mandating the increased runway safety area. FAA would fund the project at 90% funding level as a safety priority project.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	3,754,699	0	0	0	3,754,699
Engineering / Arch Serv	0	938,676	0	0	0	0	938,676
Total Capital Cost Est.	0	938,676	3,754,699	0	0	0	4,693,375
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	938,676	3,754,699	0	0	0	4,693,375

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	844,808	3,379,230	0	0	0	4,224,038
Local Match	0	46,934	187,735	0	0	0	234,669
State Funding Grant	0	46,933	187,735	0	0	0	234,668
Total Program Financing	0	938,675	3,754,700	0	0	0	4,693,375

Section 6 Maps / Charts / Tables / Pictures **Section 7 Comments for Other Depts.**



Section 1	Project Title	South Development Apron Expansion Phase II				Budget Unit #	6300		
Budget Unit	Airport Projects		Functional Area	Airport Projects		Priority Rank	6		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
6,164,000	0	0	250,000	5,914,000	0	0	6,164,000		

Section 2 Description of Capital Item

This project would complete the South Development Area build out by filling in the remaining unused area and constructing an aircraft apron that would connect the South Development Area Phase I Apron to the existing south ramp of the main terminal ramp at Concord Regional Airport.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project would help with the expansion of scheduled airline and large aircraft charter operations by expanding the designated ramp area available for these activities and allow the airport to continue to grow this aviation segment at the airport.

History and Current Status; Impact if Cancelled or Delayed

This is a new capital project and was also included in the 5 year TIP submitted to the State of North Carolina DOT Aviation Division. This project would help with efficiency, allow growth, and keep space available for airline operations that is separate from general aviation operations which is a DHS-TSA security requirement.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	0	250,000	5,914,000	0	0	0	6,164,000
Total Capital Cost Est.	0	250,000	5,914,000	0	0	0	6,164,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	250,000	5,914,000	0	0	0	6,164,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	237,500	5,618,300	0	0	0	5,855,800
Local Match	0	6,250	147,850	0	0	0	154,100
State Funding Grant	0	6,250	147,850	0	0	0	154,100
Total Program Financing	0	250,000	5,914,000	0	0	0	6,164,000

Section 6 Maps / Charts / Tables / Pictures **Section 7 Comments for Other Depts.**



Section 1	Project Title Ivy Cline Land Acquisition					Budget Unit #	6300	
Budget Unit	Airport Projects		Functional Area Airport Projects		Priority Rank	7		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input checked="" type="checkbox"/> Land/ROW Acq. Required
3,400,000	0	0	0	0	3,400,000	0	3,400,000	

Section 2 Description of Capital Item

This CIP project would be to purchase 32.66 acres between the existing airport property line and Ivy Cline Road for future development.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is needed to protect obstructions and incompatible operations adjacent to the Concord Regional Airport and allow future airport expansion. The Project is identified in the Airport Master Plan.

History and Current Status; Impact if Cancelled or Delayed

This project has been added back into the CIP as the airport was approached by the property owner about future plans at the airport and with the new commercial service at the airport may be needed to accommodate those operations when an airline terminal area is moved to the east side of Concord Regional Airport.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Land/ ROW/ Acquisition	0	0	0	3,400,000	0	0	3,400,000
Total Capital Cost Est.	0	0	0	3,400,000	0	0	3,400,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	3,400,000	0	0	3,400,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	0	0	3,230,000	0	0	3,230,000
Local Match	0	0	0	85,000	0	0	85,000
State Funding Grant	0	0	0	85,000	0	0	85,000
Total Program Financing	0	0	0	3,400,000	0	0	3,400,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Airport Fire Station and Security Center					Budget Unit #	6300		
Budget Unit	Airport Projects		Functional Area Airport Projects		Priority Rank		8		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
1,743,000	0	0	100,000	1,643,000	0	0	1,743,000		

Section 2 Description of Capital Item

This project is for the construction of a new multi-purpose Airport Fire Station & Safety building capable of accommodating two ARFF units and house an airport security center with additional space for offices and possibly US Customs services.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The current station is no longer ideally suited (location, layout, or size), for a station at the airport. The number of aircraft, aircraft operations, and size of aircraft have increased substantially in the past several years and that growth is continuing. Since the airport now has a 139 certificate, there are mandatory FAA requirements related to ARFF truck response time to airport incidents. Having a modern station that faces the runway will help ensure the City can meet the needs of a rapidly growing airport and any federal requirements. A centralized security center would allow staff to better monitor airport activities and enhance security.

History and Current Status; Impact if Cancelled or Delayed

This is the seventh year this project has been included in the airport CIP. The project is eligible for Federal FAA funding at a 90% level. In 2008 a security center was added to the facility which may make the facility eligible for additional grant funding sources.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	1,643,000	0	0	0	1,643,000
Prelim Design/ Plans	0	100,000	0	0	0	0	100,000
Total Capital Cost Est.	0	100,000	1,643,000	0	0	0	1,743,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	100,000	1,643,000	0	0	0	1,743,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	95,000	1,560,850	0	0	0	1,655,850
Local Match	0	2,500	41,075	0	0	0	43,575
State Funding Grant	0	2,500	41,075	0	0	0	43,575
Total Program Financing	0	100,000	1,643,000	0	0	0	1,743,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Airport Hangar Taxilane Rehabilitation					Budget Unit #	6300	
Budget Unit	Airport Projects		Functional Area Airport Projects		Priority Rank		9	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input checked="" type="checkbox"/> Expansion <input type="checkbox"/> Renovation Land/ROW Acq. Required
2,160,000	0	0	100,000	2,060,000	0	0	2,160,000	

Section 2 Description of Capital Item

This project involves the rehabilitation of the original pavement between the hangar cul-de-sac areas at the airport that were originally constructed in 1993-1994 time period. There are nine of these areas and the project could be done in phases to minimize disruption to airport users.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is listed on the Airport Master Plan, State TIP plan, and Airport Layout Plan. This project meets the Council Goal to maintain aggressive efforts to obtain FAA funding for Airport capital improvements and safety projects, provided State and local matches are available.

History and Current Status; Impact if Cancelled or Delayed

The main Airport Apron and Taxiway areas were recently overlaid in 2012, but these cul-de-sac areas were not included in that part of the project. Several areas of pavement show significant wear such as cracking and substantial ponding after weather events. Poor pavement presents a customer service/ safety issue and eventually could prevent the aviation department from fully utilizing hangars due to not being able to move aircraft over the damaged areas of pavement.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	2,060,000	0	0	0	2,060,000
Prelim Design/ Plans	0	100,000	0	0	0	0	100,000
Total Capital Cost Est.	0	100,000	2,060,000	0	0	0	2,160,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	100,000	2,060,000	0	0	0	2,160,000

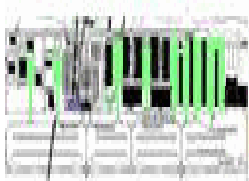
Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	95,000	1,957,000	0	0	0	2,052,000
Local Match	0	2,500	51,500	0	0	0	54,000
State Funding Grant	0	2,500	51,500	0	0	0	54,000
Total Program Financing	0	100,000	2,060,000	0	0	0	2,160,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title East Side Airport Land Acquisitions Area	Budget Unit # 6300							
Budget Unit Airport Projects	Functional Area Airport Projects	Priority Rank 10							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
5,090,000	0	0	5,090,000	0	0	0	5,090,000		

Section 2 Description of Capital Item

This CIP project provides funds for the acquisition of the remaining properties off Ivy Cline Road between the existing airport property and I-85 (40.07 acres).

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

These acquisitions would allow for the future development of an Airline terminal area at Concord Regional Airport that would be separate from the general aviation operations that would remain on the west side of the airport. A permanent Airline terminal area would require an entrance road and complementary development.

History and Current Status; Impact if Cancelled or Delayed

This project was added into the CIP and Airport Layout Plan now that commercial scheduled airline operations have started at Concord Regional Airport. As these operations grow and more flights occur, a separate and dedicated area will need to be constructed and this area will be needed.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Land/ ROW/ Acquisition	0	5,090,000	0	0	0	0	5,090,000
Total Capital Cost Est.	0	5,090,000	0	0	0	0	5,090,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	5,090,000	0	0	0	0	5,090,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	4,835,500	0	0	0	0	4,835,500
Local Match	0	127,250	0	0	0	0	127,250
State Funding Grant	0	127,250	0	0	0	0	127,250
Total Program Financing	0	5,090,000	0	0	0	0	5,090,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	East Side Commercial Airline Terminal Area				Budget Unit #	6300		
Budget Unit	Airport Projects		Functional Area	Airport Projects		Priority Rank	11		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
40,600,000	0	0	0	600,000	40,000,000	0	40,600,000		

Section 2 Description of Capital Item

This project would construct a permanent secure Commercial Airline Operations Area (Ramp, Terminal, and parking area) separate from general aviation activities located on the east side of the Airport at the south end of Ivy Cline Rd.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Commercial airline service began at Concord Regional Airport in December 2013. With the growth in service, Concord could grow to serve as a secondary commercial service airport to Charlotte Regional. This would have substantial long term economic benefit to the City and residents. Safety, Security, and Customer Service are other primary justifications for creating a separate designated area at the airport for commercial service operations.

History and Current Status; Impact if Cancelled or Delayed

If Concord continues having scheduled commercial airline flights that support the Charlotte region, then an airline terminal needs to be constructed and be separated from General Aviation activities at the airport. The east side of the airport would be the location for these facilities. Construction could be paid for using passenger facility charges and grant funds.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	39,250,000	0	0	39,250,000
Prelim Design/ Plans	0	0	600,000	750,000	0	0	1,350,000
Total Capital Cost Est.	0	0	600,000	40,000,000	0	0	40,600,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	600,000	40,000,000	0	0	40,600,000

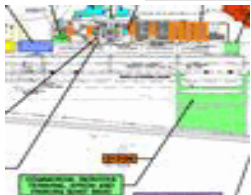
Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Dedicated Transportation Funds	0	0	0	2,000,000	0	0	2,000,000
Federal Grant Revenue	0	0	570,000	8,000,000	0	0	8,570,000
Local Match	0	0	15,000	1,500,000	0	0	1,515,000
Other	0	0	0	4,000,000	0	0	4,000,000
Revenue Bonds	0	0	0	23,000,000	0	0	23,000,000
State Funding Grant	0	0	15,000	1,500,000	0	0	1,515,000
Total Program Financing	0	0	600,000	40,000,000	0	0	40,600,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	North Apron Expansion - Phase III				Budget Unit #	6300		
Budget Unit	Airport Projects	Functional Area	Airport Projects			Priority Rank	12		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
2,000,000	0	0	0	250,000	1,750,000	0	2,000,000		

Section 2 Description of Capital Item

This project expands the existing common apron northward to support additional hangar development next to Hangar H.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Justification for the project is economic development and making the airport as self-sustaining as possible. Common ramp would be eligible for FAA funding participation and would allow one or two additional private hangars next to a prime piece of property adjacent to a taxiway to be developed.

History and Current Status; Impact if Cancelled or Delayed

This site has received additional fill dirt from the North Apron Expansion Phase II project that was completed in FY 09. This project will be constructed only when funding becomes available.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	1,750,000	0	0	1,750,000
Engineering / Arch Serv	0	0	250,000	0	0	0	250,000
Total Capital Cost Est.	0	0	250,000	1,750,000	0	0	2,000,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	250,000	1,750,000	0	0	2,000,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	0	237,500	1,575,000	0	0	1,812,500
Local Match	0	0	6,250	87,500	0	0	93,750
State Funding Grant	0	0	6,250	87,500	0	0	93,750
Total Program Financing	0	0	250,000	1,750,000	0	0	2,000,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	New Relocated Airport Control Tower				Budget Unit #	6300		
Budget Unit	Airport Projects		Functional Area	Airport Projects		Priority Rank	13		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
3,700,000	0	0	0	200,000	3,500,000	0	3,700,000		

Section 2 Description of Capital Item

This project will relocate the Air Traffic Control Tower from on top of the existing terminal building to a new site. A study was completed that indicated a new tower could be built in close proximity to the current location at a height of 125 feet.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The current tower cab has limited space with no expansion capacity. It was not designed for the current level of activity. With the runway extension, increasing traffic, a new north taxiway, and the south development area; the tower needs to be higher to enhance visibility and safety. The current tower is 16 feet below the threshold of runway 20. State and federal funds would be available and it is a priority with the NCDOT-Aviation Division. Because the aircraft activity has increased, we are now a 100% funded contract tower meaning we do not pay for the personnel to operate the tower.

History and Current Status; Impact if Cancelled or Delayed

Air Traffic Control began in October 1998 at the airport. Over the last 18 years aircraft size and traffic have increased substantially. The existing tower's low height causes controllers depth perception problems and the inability to see the entire airport including taxiway "G" and south development areas. Current status: A tower site location has been approved.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Clear/ Grade/ Site Prep	0	0	0	300,000	0	0	300,000
Construction - Building/Utility	0	0	0	3,000,000	0	0	3,000,000
Light Equip/ Furniture	0	0	0	200,000	0	0	200,000
Prelim Design/ Plans	0	0	200,000	0	0	0	200,000
Total Capital Cost Est.	0	0	200,000	3,500,000	0	0	3,700,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	200,000	3,500,000	0	0	3,700,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	0	190,000	3,150,000	0	0	3,340,000
Local Match	0	0	5,000	175,000	0	0	180,000
State Funding Grant	0	0	5,000	175,000	0	0	180,000
Total Program Financing	0	0	200,000	3,500,000	0	0	3,700,000

Section 6 Maps / Charts / Tables / Pictures **Section 7 Comments for Other Depts.**



Section 1	Project Title FBO Terminal Building Rehabilitation	Budget Unit # 6300							
Budget Unit Airport Projects	Functional Area Airport Projects	Priority Rank 14							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
13,380,000	0	0	0	580,000	12,800,000	0	13,380,000	<input checked="" type="checkbox"/> Replacement	<input type="checkbox"/> Renovation
								<input type="checkbox"/> Land/ROW Acq. Required	

Section 2 Description of Capital Item

This project would renovate and expand the existing Fixed Base Operation General Aviation Airport Passenger Terminal Building to meet the increasing growth and address immediate and future space needs. The project would add administrative offices, pilot areas, passenger areas, meeting space, offices for rent, rental car areas, security/passenger processing areas, and possible space for a restaurant partner.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This is a project outlined in the Airport Master Plan. It is also a revenue generating and an economic development project which increases tax revenues and creates jobs. It will provide businesses the opportunity to have access to or offices at the airport. The existing terminal building was never designed to accommodate the type and number of people that go through the building during a NASCAR race weekend. When many race team aircraft depart around the same time, their passengers overload the existing lobby. With even larger aircraft now being used, we cannot accommodate the additional security screening requirements in the existing building.

History and Current Status; Impact if Cancelled or Delayed

The terminal building is becoming outdated and its capacity exceeds design when NASCAR teams depart for races each week. Our FBO is a gateway into the community for general aviation and business community. It is essential to economic development for our area. Other projects have been placed on a higher priority but the need for expansion exists. A partner for expanding this facility may also be a possibility to reduce costs and risks for the City.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	12,800,000	0	0	12,800,000
Prelim Design/ Plans	0	0	580,000	0	0	0	580,000
Total Capital Cost Est.	0	0	580,000	12,800,000	0	0	13,380,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	580,000	12,800,000	0	0	13,380,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	0	0	580,000	6,400,000	0	0	6,980,000
Public-Private Partnership	0	0	0	6,400,000	0	0	6,400,000
Total Program Financing	0	0	580,000	12,800,000	0	0	13,380,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Corporate Hangar Development					Budget Unit #	6300		
Budget Unit	Airport Projects		Functional Area Airport Projects		Priority Rank		15		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
3,500,000	0	0	0	0	0	0	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		

Section 2 Description of Capital Item

Project would be for the construction of individual corporate hangars around 12,000 SF in size. These building would be leased back to tenants as a revenue generating mechanism for the aviation department (amortized net cost, plus ground rent, plus 5% profit margin).

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is in the Airport Master Plan. Additional justification is responding to the needs of customers and for economic development at the Airport and City. Project would only be completed with approved long-term lease. This is not a speculation building project.

History and Current Status; Impact if Cancelled or Delayed

This project was added due to demand for such facilities that are not currently available at the airport. If this option is not available, potential long term tenants may go elsewhere. The City would lose annual tax revenues for multi-million dollar aircraft, jobs, fuel sale profits, and additional source of revenue that would help Aviation Department Enterprise Fund reach self-sufficiency.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	0	0	3,500,000	0
Total Capital Cost Est.	0	0	0	0	0	3,500,000	0
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	0	3,500,000	3,500,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Debt Financing	0	0	0	0	0	3,500,000	3,500,000
Total Program Financing	0	0	0	0	0	3,500,000	3,500,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Myint Lane Airport Access Road					Budget Unit #	6300	
Budget Unit	Airport Projects		Functional Area	Airport Projects		Priority Rank	16	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation
700,000	0	0	0	0	700,000	0	700,000	

Section 2 Description of Capital Item

This project creates a second airport access point from end of existing Myint Lane to a new North Myint Hangar Area Development. This project is also a starting point for the airport perimeter service road that is described in the Airport Master Plan.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

With the completion of the new North Taxiway, access to development along that area is needed. Property around the south and east side of Myint Lane is currently owned by the City and constructing an access road would allow that area to be opened up for private and small aircraft hangar development.

History and Current Status; Impact if Cancelled or Delayed

This CIP project has been included in the CIP since Taxiway "G" was constructed. It's listed as a future year project due to limited resources. The access road would be next to the proposed Ganassi Hangar and will provide access to a future fuel farm area that the City will use to service the North Myint Hangar Area and other developments along the new North Taxiway.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	0	0	0	700,000	0	0	700,000
Total Capital Cost Est.	0	0	0	700,000	0	0	700,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	700,000	0	0	700,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Operating Revenue	0	0	0	700,000	0	0	700,000
Total Program Financing	0	0	0	700,000	0	0	700,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Myint Lane Airport Apron Development	Budget Unit # 6300							
Budget Unit Airport Projects	Functional Area Airport Projects	Priority Rank 17							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
1,350,000	0	0	0	0	150,000	1,200,000	1,350,000	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation
								<input type="checkbox"/> Land/ROW Acq. Required	

Section 2 Description of Capital Item

This item is for the development of a public aircraft apron and hangar sites that connect to the new North Taxiway. The ramp areas may be eligible for FAA grant funding.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

With the City's major investment in the North Taxiway project, development is needed that would access the taxiway and generate additional revenues for the airport. This project will provide sites for small hangars of about 5,000 SF or T-hangars for smaller General Aviation Aircraft. A self-service AVGAS fueling area may also be provided.

History and Current Status; Impact if Cancelled or Delayed

With the North Taxiway now completed, this project would help meet the need for additional sites for small aircraft hangars at the airport and help utilize the new taxiway.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Prelim Design/ Plans	0	0	0	150,000	1,200,000	0	1,350,000
Total Capital Cost Est.	0	0	0	150,000	1,200,000	0	1,350,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	150,000	1,200,000	0	1,350,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	0	0	135,000	1,080,000	0	1,215,000
Local Match	0	0	0	7,500	60,000	0	67,500
State Funding Grant	0	0	0	7,500	60,000	0	67,500
Total Program Financing	0	0	0	150,000	1,200,000	0	1,350,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Airport Helipads						Budget Unit #	6300	
Budget Unit	Airport Projects		Functional Area Airport Projects				Priority Rank	18	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
410,000	0	0	0	0	410,000	0	410,000		

Section 2 Description of Capital Item

This project would construct permanent concrete helipads at the Concord Regional Airport to replace existing ones lost due to recent ramp expansion projects at the airport. Helipad locations would be determined after space analysis is completed and would be constructed when funding becomes available.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Safety and economic development are the primary reasons for this project. With the recent completion of the North Apron Expansion and South Development area, the Airport has lost an existing helipad and areas where helicopters would park at the airport. For safety reasons, it is critical to have a designated area for helicopter activity that is free of obstacles and away from other aircraft. During races the airport sees several hundred helicopter operations and does not have sufficient landing areas for these aircraft.

History and Current Status; Impact if Cancelled or Delayed

Helipads are needed for current and for anticipated future helicopter traffic growth. They replace pads that were lost as a result of recent construction projects. The airport is currently using several mobile pads called dollies, but they do not work for larger helicopters.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	410,000	0	0	410,000
Total Capital Cost Est.	0	0	0	410,000	0	0	410,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	410,000	0	0	410,000

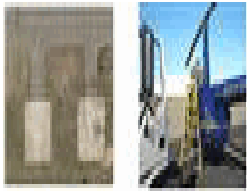
Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	0	0	389,500	0	0	389,500
Local Match	0	0	0	10,250	0	0	10,250
State Funding Grant	0	0	0	10,250	0	0	10,250
Total Program Financing	0	0	0	410,000	0	0	410,000

Section 6 Maps / Charts / Tables / Pictures **Section 7 Comments for Other Depts.**



Section 1	Project Title North Internal Service Road						Budget Unit #	6300
Budget Unit	Airport Projects		Functional Area Airport Projects				Priority Rank	19
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Expansion <input type="checkbox"/> Replacement <input type="checkbox"/> Renovation <input type="checkbox"/> Land/ROW Acq. Required
2,149,300	0	0	325,000	1,824,300	0	0	2,149,300	

Section 2 Description of Capital Item

This project consists of the construction of an internal service road from the north apron to the North Myint Access Road.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Safety and customer service are primary reasons why this road is needed. It will allow internal access from the main airport area to the new Hangar development area adjacent to taxiway "G". The road would allow vehicles to avoid going near an active runway or a taxiway which can be dangerous and create potential conflicts with aircraft.

History and Current Status; Impact if Cancelled or Delayed

If unable to construct this roadway, airport fuel trucks and other vehicles would need to travel taxiways which is a safety issue with the FAA. The road would also provide a secondary access to the airport improving safety and emergency response. This roadway may be eligible for federal funding assistance.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	1,824,300	0	0	0	1,824,300
Prelim Design/ Plans	0	325,000	0	0	0	0	325,000
Total Capital Cost Est.	0	325,000	1,824,300	0	0	0	2,149,300
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	325,000	1,824,300	0	0	0	2,149,300

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	308,750	1,733,085	0	0	0	2,041,835
Local Match	0	8,125	45,608	0	0	0	53,733
State Funding Grant	0	8,125	45,607	0	0	0	53,732
Total Program Financing	0	325,000	1,824,300	0	0	0	2,149,300

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Airport Land Acquisition - West Side					Budget Unit #	6300		
Budget Unit	Airport Projects		Functional Area Airport Projects			Priority Rank	20		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input checked="" type="checkbox"/> Land/ROW Acq.	<input type="checkbox"/> Required	
3,000,000	0	0	0	0	0	0			

Section 2 Description of Capital Item

This project includes acquisition of property adjacent to the Airport identified in the Airport Master Plan for future development.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The Airport Master Plan found that the Airport will need additional land to accommodate future growth. By continuously acquiring properties identified in the Master Plan we can insure that the airport can expand and help the local economy grow. By continually purchasing property on a voluntary basis, goodwill is created with airport neighbors and ultimately money is saved.

History and Current Status; Impact if Cancelled or Delayed

The purchase of property has been an ongoing program from the very start of the Airport. Most land acquisitions are reimbursable 90% by the FAA / NCDOT. Delaying purchases results in higher overall costs and the potential purchase of those properties by other individuals and entities.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Land/ ROW/ Acquisition	0	0	0	0	0	3,000,000	0
Total Capital Cost Est.	0	0	0	0	0	3,000,000	0
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	0	3,000,000	3,000,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Federal Grant Revenue	0	0	0	0	0	2,850,000	2,850,000
Local Match	0	0	0	0	0	75,000	75,000
State Funding Grant	0	0	0	0	0	75,000	75,000
Total Program Financing	0	0	0	0	0	3,000,000	3,000,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title	Solid State Relay Conversion for Substation M				Budget Unit #	6949		
Budget Unit	Electric Projects- Future	Functional Area	Electric Projects- Future			Priority Rank	5		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
			<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	<input type="checkbox"/> Land/ROW Acq. Required				
495,000	0	495,000	0	0	0	0	0	495,000	

Section 2 Description of Capital Item

This project will convert the current relay protection package at Substation "M" to a new solid state package. It will also incorporate a new control house and SCADA communications equipment. Changing technology has rendered the existing station equipment obsolete.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project will provide additional reliability by increasing our ability to monitor the system and create dynamic new protection schemes, thereby helping reduce Customer outage times. This project helps meet our goal of continuous improvement.

History and Current Status; Impact if Cancelled or Delayed

This project is part of the department's strategic plan to systematically upgrade the intelligent devices on the system. Delays in upgrades will begin to impact reliability over time and increase our maintenance costs going forward.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	450,000	0	0	0	0	0	450,000
Engineering / Arch Serv	45,000	0	0	0	0	0	45,000
Total Capital Cost Est.	495,000	0	0	0	0	0	495,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	495,000	0	0	0	0	0	495,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Electric	495,000	0	0	0	0	0	495,000
Total Program Financing	495,000	0	0	0	0	0	495,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Solid State Relay Conversion for Substation C					Budget Unit #	6949	
Budget Unit	Electric Projects- Future		Functional Area Electric Projects- Future			Priority Rank	6	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation <input type="checkbox"/> Land/ROW Acq. Required
935,000	0	935,000	0	0	0	0	935,000	

Section 2 Description of Capital Item

This project will convert the current relay protection package at Substation "C" to a new solid state package, and replace the 1969 model year transformer. It will also incorporate a new SCADA communications equipment. Changing technology has rendered the existing station equipment obsolete.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project will provide additional reliability by increasing our ability to monitor the system and create dynamic new protection schemes, thereby helping reduce Customer outage times. This project helps meet our goal of continuous improvement.

History and Current Status; Impact if Cancelled or Delayed

This project is part of the department's strategic plan to systematically upgrade the intelligent devices on the system. Delays in upgrades will begin to impact reliability over time and increase our maintenance costs going forward.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Engineering / Arch Serv	85,000	0	0	0	0	0	85,000
Heavy Equip/ Apparatus	850,000	0	0	0	0	0	850,000
Total Capital Cost Est.	935,000	0	0	0	0	0	935,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	935,000	0	0	0	0	0	935,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Electric	935,000	0	0	0	0	0	935,000
Total Program Financing	935,000	0	0	0	0	0	935,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Solid State Relay Conversion for Delivery 3					Budget Unit #	6949		
Budget Unit	Electric Projects- Future		Functional Area Electric Projects- Future			Priority Rank	7		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			Land/ROW Acq. Required						
275,000	0	0	275,000	0	0	0	275,000		

Section 2 Description of Capital Item

This project will convert the current relay protection package at Delivery #3 to a new solid state package. It will also incorporate a new control house and SCADA communications equipment. Changing technology has rendered the existing station equipment obsolete.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project will provide additional reliability by increasing our ability to monitor the system and create dynamic new protection schemes, thereby helping reduce Customer outage times. This project helps meet our goal of continuous improvement.

History and Current Status; Impact if Cancelled or Delayed

This project is part of the department's strategic plan to systematically upgrade the intelligent devices on the system. Delays in upgrades will begin to impact reliability over time and increase our maintenance costs going forward.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	250,000	0	0	0	0	250,000
Engineering / Arch Serv	0	25,000	0	0	0	0	25,000
Total Capital Cost Est.	0	275,000	0	0	0	0	275,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	275,000	0	0	0	0	275,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Electric	0	275,000	0	0	0	0	275,000
Total Program Financing	0	275,000	0	0	0	0	275,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title New Delivery #4 & 100 kV Interconnected - Ph. 1	Budget Unit # 6949							
Budget Unit Electric Projects- Future	Functional Area Electric Projects- Future	Priority Rank 11							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
7,701,912	0	0	0	7,701,912	0	0	7,701,912		

Section 2 Description of Capital Item

This project will provide construction of a 100 kV power delivery point, from which the City will purchase power from the electric grid. The project will also consist of 3.5 mile a 100kV Interconnect line to integrate this Delivery Point with the existing 100 kV infrastructure. This project will also include a 100-44 kv step down transformer to eliminate Duke's Delivery #2.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This additional 100 kV Delivery Point and Interconnect line will provide an alternate source of transmission circuitry on the western side of the City's electric service area. This redundancy greatly improves the reliability of electric service to our customers by providing alternate paths to route transmission circuits that feed substations on the west side of Concord. This Delivery Point also provides additional capacity that will be required to meet future demands for power on the west side of Concord's electric service area.

History and Current Status; Impact if Cancelled or Delayed

This project is a component of a ten-year plan to update and improve electric system infrastructure. The project will provide alternative circuit switching capability and will also allow capacity for the fast load growing area.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	6,200,000	0	0	0	6,200,000
Engineering / Arch Serv	0	0	372,000	0	0	0	372,000
Land/ ROW/ Acquisition	0	0	1,129,912	0	0	0	1,129,912
Total Capital Cost Est.	0	0	7,701,912	0	0	0	7,701,912
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	7,701,912	0	0	0	7,701,912

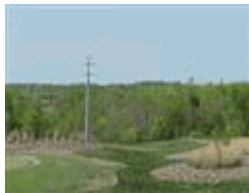
Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Revenue Bonds	0	0	7,701,912	0	0	0	7,701,912
Total Program Financing	0	0	7,701,912	0	0	0	7,701,912

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



ROW acquisition will involve the City Surveying team and the Legal Department.

Section 1	Project Title Construction of 100 KV Sub @ Delivery #4 Site, Ph. 2					Budget Unit #	6949	
Budget Unit	Electric Projects- Future		Functional Area Electric Projects- Future			Priority Rank	12	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required
5,351,651	0	0	0	0	0	5,351,651	5,351,651	

Section 2 **Description of Capital Item**

This project consists of construction of a 100 KV dual bay 6 circuit electric substation, on the same site that houses Delivery #4.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project will provide additional capacity to electric infrastructure in the central portion of the City's electric service area. Its planning location is directly adjacent to Delivery #4, which will minimize cost of 100 KV line extension and maximize use of property already designated for a 100 KV Delivery Point. This substation will provide critical additional capacity to meet future demands for power. Its central location within the City's electric infrastructure will provide critical alternate feed circuits to adjacent substations, resulting in enhanced reliability of electric service provided to our customers.

History and Current Status; Impact if Cancelled or Delayed

The City's Electric System infrastructure is currently on a 10-year improvement plan primarily to address load growth. All requests for new or converted substations are based on having the ability to address customer loading of the system.

Section 3 **Project Costs**

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	0	4,945,254	0	4,945,254
Engineering / Arch Serv	0	0	0	0	247,262	0	247,262
Land/ ROW/ Acquisition	0	0	0	0	159,135	0	159,135
Total Capital Cost Est.	0	0	0	0	5,351,651	0	5,351,651
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	5,351,651	0	5,351,651

Section 4 **New or Additional Impact on Operating Budget**

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 **Method(s) of Financing**

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Revenue Bonds	0	0	0	0	5,351,651	0	5,351,651
Total Program Financing	0	0	0	0	5,351,651	0	5,351,651

Section 6 **Maps / Charts / Tables / Pictures** **Section 7** **Comments for Other Depts.**



ROW acquisition will involve the City Surveying team and the Legal Department.

Section 1	Project Title Delivery 1 Replacement	Budget Unit # 6949							
Budget Unit Electric Projects- Future	Functional Area Electric Projects- Future	Priority Rank 13							
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
2,000,000	0	0	0	0	2,000,000	0	2,000,000	<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation
								<input type="checkbox"/> Land/ROW Acq. Required	

Description of Capital Item

This will provide for replacement of Delivery station #1 at Florence Ave.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project will replace an existing station that was built 45 years ago and has reached its end of life cycle. This new station will provide much greater reliability as well as additional loading capabilities.

History and Current Status; Impact if Cancelled or Delayed

This project is part of a ten year plan to update and improve electric system infrastructure. This project will provide a much greater switching flexibility. Failure to implement this project will impact power delivery in the future years.

Section 3		Project Costs						
Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total	
Construction - Building/Utility	0	0	0	2,000,000	0	0	2,000,000	
Total Capital Cost Est.	0	0	0	2,000,000	0	0	2,000,000	
Total Oper. Impact Est.	0	0	0	0	0	0	0	
Total Expenditure Est.	0	0	0	2,000,000	0	0	2,000,000	

Section 4		New or Additional Impact on Operating Budget						
Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total	
	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	

Section 5		Method(s) of Financing						
Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total	
Revenue Bonds	0	0	0	2,000,000	0	0	2,000,000	
Total Program Financing	0	0	0	2,000,000	0	0	2,000,000	

Section 6	Maps / Charts / Tables / Pictures	Section 7	Comments for Other Depts.
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Section 1	Project Title 100 KV Transmission System - Close Western Loop					Budget Unit #	6949	
Budget Unit	Electric Projects- Future		Functional Area Electric Projects- Future		Priority Rank	14		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation
5,670,297	0	0	0	0	5,670,297	0	5,670,297	

Section 2 Description of Capital Item

This project will provide a loop fed between 100 KV Deliveries #3 and #4 via the conversion of the existing 44 KV transmission line between the intersection of Cabarrus Ave and Warren C. Coleman Blvd and Concord Parkway South and Concord Farms Rd. Total project distance is 3.14 miles. The "tie line" will provide an alternate route of electric power to all substations on the western side of the City's service area.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This "tie line" will provide an alternate route for the supply of power to substations on the western side of the City's electric service area during times of major power outages and/or system maintenance. Without the loops, substations on Weddington Rd, International Business Park, and Rock Hill Church Rd are served via one radial feed transmission circuit with no alternate sources of power.

History and Current Status; Impact if Cancelled or Delayed

This is a component of a 10-year plan to improve the electric system infrastructure. Canceling or delaying this project could result in longer wait times for restoration of power for our customers during major outages.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	4,432,388	0	0	4,432,388
Engineering / Arch Serv	0	0	0	221,619	0	0	221,619
Land/ ROW/ Acquisition	0	0	0	1,016,290	0	0	1,016,290
Total Capital Cost Est.	0	0	0	5,670,297	0	0	5,670,297
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	5,670,297	0	0	5,670,297

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Revenue Bonds	0	0	0	5,670,297	0	0	5,670,297
Total Program Financing	0	0	0	5,670,297	0	0	5,670,297

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



ROW acquisition will involve the City Surveying team and the Legal Department.

Section 1	Project Title	Construction of New Substation P in NC 49/US 601 Area				Budget Unit #	6949		
Budget Unit	Electric Projects- Future	Functional Area	Electric Projects- Future			Priority Rank	15		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input checked="" type="checkbox"/> New	<input type="checkbox"/> Expansion
			<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation			<input type="checkbox"/> Land/ROW Acq. Required		
5,096,022	0	2,500,000	0	0	0	2,596,022	5,096,022		

Section 2 Description of Capital Item

This project will provide an additional 44 KV substation that will be required to address the load growth in the southeastern quadrant of the City's electric service area.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

A new 44 KV substation will relieve the pressure on existing circuits and adjacent substations and will allow the City to provide reliable electric service to new customers in the area.

History and Current Status; Impact if Cancelled or Delayed

This is a component in a 10 year plan to update and improve our electric infrastructure. The southeastern portion of the City's service area is in need of a substation to improve reliability so that we can switch load during peak seasons and relieve circuits that have grown and cannot be switched off for maintenance.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	2,242,890	0	0	0	2,596,022	0	4,838,912
Engineering / Arch Serv	129,802	0	0	0	0	0	129,802
Land/ ROW/ Acquisition	127,308	0	0	0	0	0	127,308
Total Capital Cost Est.	2,500,000	0	0	0	2,596,022	0	5,096,022
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	2,500,000	0	0	0	2,596,022	0	5,096,022

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Electric	2,500,000	0	0	0	0	0	2,500,000
Total Program Financing	2,500,000	0	0	0	0	0	2,500,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.



Section 1	Project Title Chelwood Drive Culvert Replacement					Budget Unit #	7103	
Budget Unit	Stormwater Projects		Functional Area	Stormwater Master Plan		Priority Rank	1	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation Land/ROW Acq. Required
491,000	0	491,000	0	0	0	0	491,000	

Section 2 Description of Capital Item

This culvert replacement and upsizing under Chelwood Drive is to reduce flooding risk to neighborhood homes and replace aging infrastructure.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is identified in the Irish Buffalo Creek Master Plan.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	491,000	0	0	0	0	0	491,000
Total Capital Cost Est.	491,000	0	0	0	0	0	491,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	491,000	0	0	0	0	0	491,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Stormwater	491,000	0	0	0	0	0	491,000
Total Program Financing	491,000	0	0	0	0	0	491,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Hanover Circle Culvert Replacement					Budget Unit #	7103	
Budget Unit	Stormwater Projects		Functional Area	Stormwater Master Plan		Priority Rank	2	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation Land/ROW Acq. Required
427,000	0	278,000	149,000	0	0	0	427,000	

Section 2 Description of Capital Item

This culvert replacement and upsizing under Hanover Circle is to reduce flooding risk to neighborhood homes and replace aging infrastructure.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The project is identified in the Irish Buffalo Creek Master Plan.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	149,000	0	0	0	0	149,000
Land/ ROW/ Acquisition	278,000	0	0	0	0	0	278,000
Total Capital Cost Est.	278,000	149,000	0	0	0	0	427,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	278,000	149,000	0	0	0	0	427,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Stormwater	278,000	149,000	0	0	0	0	427,000
Total Program Financing	278,000	149,000	0	0	0	0	427,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Havencrest Court Culvert Replacement					Budget Unit #	7103	
Budget Unit	Stormwater Projects		Functional Area Stormwater Master Plan		Priority Rank	3		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation Land/ROW Acq. Required
707,000	0	0	707,000	0	0	0	707,000	

Section 2 Description of Capital Item

This culvert replacement and upsizing under Havencrest Court is to reduce flooding risk to neighborhood homes and replace aging infrastructure.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is identified in the Coddle Creek Master Plan.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	707,000	0	0	0	0	707,000
Total Capital Cost Est.	0	707,000	0	0	0	0	707,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	707,000	0	0	0	0	707,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Stormwater	0	707,000	0	0	0	0	707,000
Total Program Financing	0	707,000	0	0	0	0	707,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Stream Restoration Project					Budget Unit #	7102	
Budget Unit	Stormwater Stream		Functional Area Stormwater Master Plan		Priority Rank		4	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input checked="" type="checkbox"/> Expansion <input type="checkbox"/> Renovation Land/ROW Acq. Required
2,028,502	1,200,000	362,892	465,610	0	0	0	828,502	

Section 2 **Description of Capital Item**

This project is for the construction of detention ponds and stream restoration work to improve water quality in Stricker Branch.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

Streams in Concord are impaired due to previous growth and industrial operations. This project is a first step to address water quality concerns.

History and Current Status; Impact if Cancelled or Delayed

This project has been designed in coordination with the Army Corps of Engineers. The funding represents the estimated 35% required match from the City. This project was previously planned for construction as one large project. Due to funding limitations by the Federal government, it has been broken up into smaller projects.

Section 3 **Project Costs**

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	362,892	465,610	0	0	0	0	828,502
Total Capital Cost Est.	362,892	465,610	0	0	0	0	828,502
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	362,892	465,610	0	0	0	0	828,502

Section 4 **New or Additional Impact on Operating Budget**

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 **Method(s) of Financing**

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Stormwater	362,892	465,610	0	0	0	0	828,502
Total Program Financing	362,892	465,610	0	0	0	0	828,502

Section 6 **Maps / Charts / Tables / Pictures** **Section 7** **Comments for Other Depts.**

Section 1	Project Title Kerr Street Culvert Replacement					Budget Unit #	7103	
Budget Unit	Stormwater Projects		Functional Area Stormwater Master Plan		Priority Rank	8		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation Land/ROW Acq. Required
413,000	0	0	413,000	0	0	0	413,000	

Section 2 Description of Capital Item

This culvert replacement and upsizing under Kerr Street is to reduce flooding risk to neighborhood homes and replace aging infrastructure.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is identified in the Irish Buffalo Creek Master Plan.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	413,000	0	0	0	0	413,000
Total Capital Cost Est.	0	413,000	0	0	0	0	413,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	413,000	0	0	0	0	413,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Stormwater	0	413,000	0	0	0	0	413,000
Total Program Financing	0	413,000	0	0	0	0	413,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Duval Street Culvert Replacement					Budget Unit #	7103	
Budget Unit	Stormwater Projects		Functional Area	Stormwater Master Plan		Priority Rank	9	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation Land/ROW Acq. Required
685,000	0	0	0	685,000	0	0	685,000	

Section 2 Description of Capital Item

This culvert replacement and upsizing under Duval Street is to reduce flooding risk to neighborhood homes and replace aging infrastructure.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is identified in the Irish Buffalo Creek Master Plan.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	685,000	0	0	0	685,000
Total Capital Cost Est.	0	0	685,000	0	0	0	685,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	685,000	0	0	0	685,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Stormwater	0	0	685,000	0	0	0	685,000
Total Program Financing	0	0	685,000	0	0	0	685,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Dylan Place Culvert Replacements - Upper & Lower					Budget Unit #	7103	
Budget Unit	Stormwater Projects		Functional Area	Stormwater Master Plan		Priority Rank	10	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Expansion <input type="checkbox"/> Replacement <input type="checkbox"/> Renovation <input type="checkbox"/> Land/ROW Acq. Required
957,000	0	0	0	957,000	0	0	957,000	

Section 2 Description of Capital Item

These culvert replacements and upsizings under Dylan Place in two locations will reduce flooding risk to neighborhood homes and replace aging infrastructure.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is identified in the Irish Buffalo Creek Master Plan.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	957,000	0	0	0	957,000
Total Capital Cost Est.	0	0	957,000	0	0	0	957,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	957,000	0	0	0	957,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Stormwater	0	0	957,000	0	0	0	957,000
Total Program Financing	0	0	957,000	0	0	0	957,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Farmwood Boulevard Culvert Replacement					Budget Unit #	7103	
Budget Unit	Stormwater Projects		Functional Area Stormwater Master Plan		Priority Rank	11		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Expansion <input type="checkbox"/> Renovation Land/ROW Acq. Required
663,000	0	0	0	663,000	0	0	663,000	

Section 2 Description of Capital Item

This culvert replacement and upsizing under Farmwood Boulevard will reduce flooding risk to neighborhood homes and replace aging infrastructure.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is identified in the Coddle Creek Master Plan.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	663,000	0	0	0	663,000
Total Capital Cost Est.	0	0	663,000	0	0	0	663,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	663,000	0	0	0	663,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Stormwater	0	0	663,000	0	0	0	663,000
Total Program Financing	0	0	663,000	0	0	0	663,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Bridlewood Drive Culvert Replacement					Budget Unit #	7103	
Budget Unit	Stormwater Projects		Functional Area Stormwater Master Plan		Priority Rank	13		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required
1,022,000	0	0	0	0	1,022,000	0	1,022,000	

Section 2 Description of Capital Item

This culvert replacement and upsizing under Bridlewood Drive will reduce flooding risk to neighborhood homes and replace aging infrastructure.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is identified in the Cold Water Creek Master Plan.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	1,022,000	0	0	1,022,000
Total Capital Cost Est.	0	0	0	1,022,000	0	0	1,022,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	1,022,000	0	0	1,022,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Stormwater	0	0	0	1,022,000	0	0	1,022,000
Total Program Financing	0	0	0	1,022,000	0	0	1,022,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Miramar Culvert Replacements					Budget Unit #	7103	
Budget Unit	Stormwater Projects		Functional Area	Stormwater Master Plan		Priority Rank	14	
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New <input checked="" type="checkbox"/> Replacement <input type="checkbox"/> Land/ROW Acq. Required
1,124,000	0	0	0	0	552,000	572,000	1,124,000	

Section 2 Description of Capital Item

These culvert replacements and upsizings under Palaside Drive and Grandview Drive are to reduce flooding risk to neighborhood homes and replace aging infrastructure.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

These projects are identified in the Three Mile Branch Master Plan.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	552,000	572,000	0	1,124,000
Total Capital Cost Est.	0	0	0	552,000	572,000	0	1,124,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	552,000	572,000	0	1,124,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Stormwater	0	0	0	552,000	572,000	0	1,124,000
Total Program Financing	0	0	0	552,000	572,000	0	1,124,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title	Glenwood Drive Culvert Replacement				Budget Unit #	7103		
Budget Unit	Stormwater Projects	Functional Area	Stormwater Master Plan			Priority Rank	16		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input type="checkbox"/> Renovation	
			<input type="checkbox"/> Land/ROW Acq. Required						
718,000	0	0	0	0	0	718,000	718,000		

Section 2 Description of Capital Item

This culvert replacement and upsizing under Glenwood Drive will reduce flooding risk to neighborhood homes and replace aging infrastructure.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

This project is identified in the Irish Buffalo Creek Master Plan.

History and Current Status; Impact if Cancelled or Delayed

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Construction - Building/Utility	0	0	0	0	718,000	0	718,000
Total Capital Cost Est.	0	0	0	0	718,000	0	718,000
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	0	0	0	0	718,000	0	718,000

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Transfer from Stormwater	0	0	0	0	718,000	0	718,000
Total Program Financing	0	0	0	0	718,000	0	718,000

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

Section 1	Project Title Irrigation Repairs and Bunker Restoration					Budget Unit #	7550		
Budget Unit	Golf - Greens Renovations		Functional Area Golf Projects		Priority Rank	1			
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project	
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		<input type="checkbox"/> New	<input checked="" type="checkbox"/> Expansion
							<input type="checkbox"/> Replacement	<input checked="" type="checkbox"/> Renovation	
							<input type="checkbox"/> Land/ROW Acq. Required		
349,650	0	199,650	150,000	0	0	0	349,650		

Section 2 Description of Capital Item

Project is to repair/maintain irrigation system and a restoration of the bunkers on the course.

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

The course project is necessary to maintain current irrigation system, which is long overdue for newer equipment. The system is old enough now that finding parts for replacement is very difficult. The bunkers have not been updated since the course's opening in 1997. Repairing the irrigation system will assist the course in their water conservation efforts.

History and Current Status; Impact if Cancelled or Delayed

Failing to repair and maintain the irrigation system and bunkers could have a very adverse effect on course conditions.

Section 3 Project Costs

Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	199,650	150,000	0	0	0	0	349,650
Total Capital Cost Est.	199,650	150,000	0	0	0	0	349,650
Total Oper. Impact Est.	0	0	0	0	0	0	0
Total Expenditure Est.	199,650	150,000	0	0	0	0	349,650

Section 4 New or Additional Impact on Operating Budget

Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Section 5 Method(s) of Financing

Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total
Capital Reserve	199,650	150,000	0	0	0	0	349,650
Total Program Financing	199,650	150,000	0	0	0	0	349,650

Section 6 Maps / Charts / Tables / Pictures **Section 7** Comments for Other Depts.

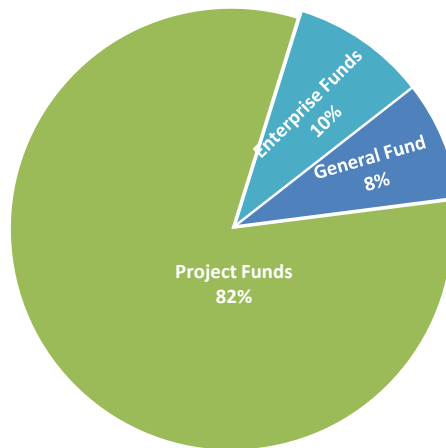
***DETAILED CIP
PROJECT INFORMATION***

***~YEAR 1 PROJECTS & PROJECTS
CURRENTLY IN PROGRESS~***

Year 1 CIP Expenditures

By Fund	Project Costs
General Fund	\$ 1,710,000
Project Funds	\$ 16,409,624
Enterprise Funds	\$ 1,935,000
Total Expenditures	\$ 20,054,624

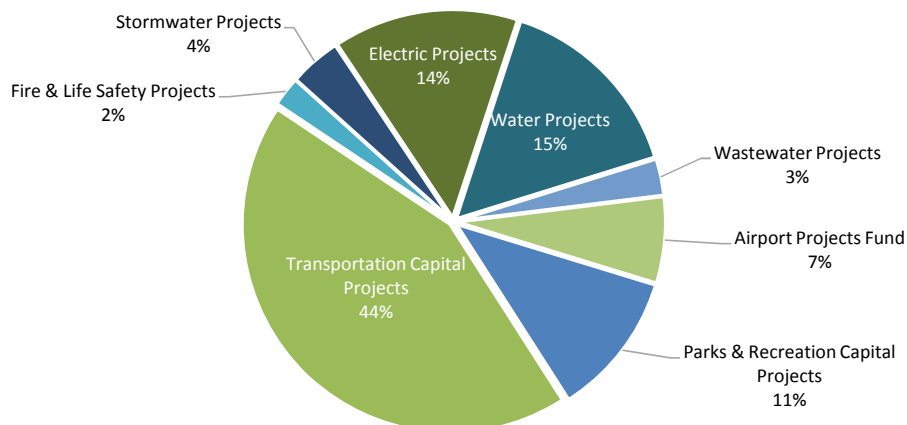
FY17 Year 1 CIP Expenditures



In-Progress CIP Expenditures

By Project Fund	Project Costs
Parks & Recreation Capital Projects	\$ 5,880,282
Transportation Capital Projects	\$ 22,735,542
Fire & Life Safety Projects	\$ 1,200,000
Stormwater Projects	\$ 2,083,951
Electric Projects	\$ 7,536,500
Water Projects	\$ 7,935,000
Wastewater Projects	\$ 1,490,000
Airport Projects Fund	\$ 3,500,000
Total Expenditures	\$ 52,361,275

In-Progress CIP Expenditures



CIP YEAR 1 APPROVED PROJECTS

The boxes below provide summary detail for CIP projects scheduled for funding in year 1, or FY 2017, of the CIP. For additional description and cost information, please see each project's individual page in the City's FY 2017-2021 Capital Improvement Plan. Please note that this listing does not include vehicle or equipment purchases scheduled for FY2017.

How to read the summary information:

- ← Department
- ← Project title and FY17 cost
- ← Project description
- ← Estimated year of completion
- ← Total cost of capital project
- ← Total impact on operating budget
- ← Project's funding sources

Parks & Recreation Capital Projects	
McEachern Greenway - Cab. Ave Phase	\$100,000
6/10 of 1 mile segment to begin at McGee Park and extend along Three Mile Branch to Cabarrus Ave NE.	
<i>Expected Completion: FY18</i>	
Total Capital Cost	\$1,196,330
Total Operating Cost	\$0
Funding Source(s)	Transfer from General Fund

Parks & Recreation Capital Projects	
Hector H. Henry II Greenway - Airport Phase	\$52,500
1.3 mile segment from Derita Road to the Weddington Road Bark Park.	
<i>Expected Completion: FY20</i>	
Total Capital Cost	\$2,094,610
Total Operating Cost	\$0
Funding Source(s)	Capital Reserve Grants, Op Rev

Parks & Recreation Capital Projects	
Hector H. Henry Greenway- Riverwalk	\$50,000
1.1 mile segment from Weddington Road Bark Park to Riverwalk neighborhood.	
<i>Expected Completion: FY19</i>	
Total Capital Cost	\$2,020,585
Total Operating Cost	\$0
Funding Source(s)	Transfer from General Fund

Parks & Recreation Capital Projects	
Burrage Road House Renovations	\$337,027
Design & renovation of house at 946 Burrage Road to be used for programming space.	
<i>Expected Completion: FY19</i>	
Total Capital Cost	\$309,540
Total Operating Cost	\$337,027
Funding Source(s)	Capital Reserve, Operating Revenues

Parks & Recreation Capital Projects	
Hartsell Recreation Center Renovation	\$1,815,000
Renovations will address structural issues and update both the upper and lower levels.	
<i>Expected Completion: FY16</i>	
Total Capital Cost	\$1,815,000
Total Operating Cost	\$45,362
Funding Source(s)	Capital Reserve, Operating Revenue

Parks & Recreation Capital Projects	
McEachern Greenway - Fink Phase	\$1,311,000
Design & construction of the greenway from Cabarrus Avenue upstream for approximately 4,500 linear feet.	
<i>Expected Completion: FY18</i>	
Total Capital Cost	\$1,311,000
Total Operating Cost	\$103,110
Funding Source(s)	Capital Reserve, Operating Revenue

Streets & Transportation Projects	
Pedestrian Improvement Project - Sidewalks	\$150,000
Construct new City sidewalks and associated infrastructure to expand the existing pedestrian system.	
<i>Expected Completion: Ongoing</i>	
Total Capital Cost	Ongoing
Total Operating Cost	\$0
Funding Source(s)	Transfer from Gen Fund / Vehicle Fees

Streets & Transportation Projects	
Derita Road Widening	\$75,000
Provide funding for roadway improvements on Derita Rd from Poplar Tent to Concord Mills Blvd.	
<i>Expected Completion: FY18</i>	
Total Capital Cost	\$3,855,000
Total Operating Cost	\$0
Funding Source(s)	Developer Contributions

Streets & Transportation Projects	
Traffic Management Center	\$1,100,000
Construction and installation of City of Concord Traffic Management Center and associated extension of fiber optic communication network(s)	
<i>Expected Completion: FY18</i>	
Total Capital Cost	\$3,152,532
Total Operating Cost	\$0
Funding Source(s)	Capital Reserve, Vehicle Fees

Streets & Transportation Projects	
Concord Mills Blvd Flyover	\$1,500,000
The construction of the Concord Mills Fly Over addresses the City Council goal to support Exit 49 economic development and congestion with City participation.	
	<i>Expected Completion: FY18</i>
Total Capital Cost	\$1,500,000
Total Operating Cost	\$0
Funding Source(s)	Vehicle Fees

General Fund Capital Projects	
Fiber Network Extension	\$216,000
Fiber network extension providing high bandwidth connectivity for data, video, telephone, SCADA needs for various city departments	
	<i>Expected Completion: Ongoing</i>
Total Capital Cost	\$166,000
Total Operating Cost	\$50,000
Funding Source(s)	Fund Transfers

General Fund Capital Projects	
Les Myers Park Environmental	\$80,000
Consulting Engineer and Shield Engineering, Inc. will to complete remedial investigation for landfill at Les Myers Park property.	
	<i>Expected Completion: FY17</i>
Total Capital Cost	\$220,000
Total Operating Cost	\$0
Funding Source(s)	State Funding Grant

Stormwater Projects	
Hanover Circle Culvert Replacement	\$278,000
Culvert replacement and upsizing under Hanover Circle to reduce flooding risk to neighborhood homes.	
	<i>Expected Completion: FY18</i>
Total Capital Cost	\$278,000
Total Operating Cost	\$0
Funding Source(s)	Transfer from Stormwater

Stormwater Projects	
Stream Restoration Project	\$362,892
Construction of detention ponds and stream restoration work to improve water quality in Stricker Branch.	
	<i>Expected Completion: FY18</i>
Total Capital Cost	\$2,028,502
Total Operating Cost	\$0
Funding Source(s)	Transfer from Stormwater

Stormwater Projects	
Chelwood Drive Culvert Replacement	\$491,000
Culvert replacement and upsizing under Chelwood Drive is to reduce flooding risk to neighborhood homes.	
	<i>Expected Completion: FY17</i>
Total Capital Cost	\$491,000
Total Operating Cost	\$0
Funding Source(s)	Transfer from Stormwater

Electric Projects	
Solid State Relay Conversion - Substation M	\$495,000
Conversion of current relay protection at Sub M to a new solid state package, including control house and SCADA equipment.	
	<i>Expected Completion: FY17</i>
Total Capital Cost	\$495,000
Total Operating Cost	\$0
Funding Source(s)	Transfer from Electric

Electric Projects	
Substation P Construction	\$2,500,000
Provide an additional 44 KV substation that will be required to address the load growth in the City's SE quadrant.	
	<i>Expected Completion: FY17</i>
Total Capital Cost	\$2,500,000
Total Operating Cost	\$0
Funding Source(s)	Transfer from Electric

Electric Projects	
Solid State Relay Conversion - Substation C	\$935,000
This project will convert the current relay protection package at Substation "C" to a new solid state package, and replace the 1969 model year transformer.	
	<i>Expected Completion: FY16</i>
Total Capital Cost	\$935,000
Total Operating Cost	\$0
Funding Source(s)	Transfer from Electric

Water Projects	
Raw Waterline & Flow Meter for CCWTP	\$1,190,000
This project is for the addition of a second raw water line from Lake Howell to Coddle Creek WTP.	
	<i>Expected Completion: FY17</i>
Total Capital Cost	\$1,190,000
Total Operating Cost	\$0
Funding Source(s)	Transfer from Water

Water Projects	
George Liles Blvd Waterline Phase 3	\$282,430
Provide a new 24" waterline from Weddington Road to Roberta Road as part of the NCDOT Westside Bypass Project.	
	<i>Expected Completion: FY19</i>
Total Capital Cost	\$1,777,621
Total Operating Cost	\$0
Funding Source(s)	Transfer from Water

Water Projects	
Derita Road Widening	\$125,000
Provide for the relocation and upsizing of existing water lines along Derita Road between Concord Mills Boulevard and Poplar Tent Road as a result of the NCDOT widening the existing roadway section.	
	<i>Expected Completion: FY19</i>
Total Capital Cost	\$750,000
Total Operating Cost	\$0
Funding Source(s)	Transfer from Water

Water Projects	
Coddle Creek Settling Basin Upgrades	\$225,000
This project is to design and construct settling basin upgrades at the Coddle Creek Water Treatment Plant and includes a pilot study.	
<i>Expected Completion: FY20</i>	
Total Capital Cost	\$4,725,000
Total Operating Cost	\$0
Funding Source(s)	Transfer from Water

Water Projects	
Security Improvements at WTPs & Remote Sites	\$100,000
This project is to fund security improvements at the water treatment plants and the remote sites including water storage tanks and booster pump stations.	
<i>Expected Completion: FY17</i>	
Total Capital Cost	\$100,000
Total Operating Cost	\$0
Funding Source(s)	Transfer from Water

Water Projects	
Sampling Stations for Distribution System	\$100,000
These are sample stations that are installed in the distribution system for sample collection purposes.	
<i>Expected Completion: FY17</i>	
Total Capital Cost	\$100,000
Total Operating Cost	\$0
Funding Source(s)	Transfer from Water

Coddle Creek Water Treatment Plant	
PLC Cabinet Replacement	\$150,000
Replacement of the main PLC cabinet for motor and other controls at Coddle Creek Water Treatment Plant	
<i>Expected Completion: FY17</i>	
Total Capital Cost	\$150,000
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Hillgrove Water Treatment Plant	
MCC Lineup at Hillgrove Water Treatment Plant	\$190,000
Replacement of Motor Control Center lineup at Hillgrove Water Treatment Plant.	
<i>Expected Completion: FY17</i>	
Total Capital Cost	\$190,000
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Wastewater Projects	
Accent Avenue Outfall	\$590,000
Outfall line to provide the availability of sewer service for property owners on Accent Avenue.	
<i>Expected Completion: FY17</i>	
Total Capital Cost	\$590,000
Total Operating Cost	\$0
Funding Source(s)	Transfer from Wastewater

Golf Course Projects	
Irrigation Repairs & Bunker Restoration	\$199,650
Restoration of golf course bunkers and irrigation system repairs.	
<i>Expected Completion: FY18</i>	
Total Capital Cost	\$349,650
Total Operating Cost	\$0
Funding Source(s)	Capital Reserve

Airport Projects	
Airport Perimeter Security Fencing	\$1,749,625
The project consists of constructing an 8 foot chain link perimeter security fence around the other perimeter of the airport property. The fence will include 3 strands of barbed wire.	
<i>Expected Completion: FY17</i>	
Total Capital Cost	\$1,749,625
Total Operating Cost	\$0
Funding Source(s)	Grant Revenue, Local Match

Aviation Fund	
Airport Master Plan	\$300,000
Update to the Aviation Master Plan.	
<i>Expected Completion: FY17</i>	
Total Capital Cost	\$300,000
Total Operating Cost	\$0
Funding Source(s)	Grant Revenue, Local Match

IN-PROGRESS CIP PROJECTS DETAIL

The boxes below provide summary detail of CIPs that were approved in prior fiscal years, did not receive additional funding in FY16, are currently in progress, and are not yet completed.

General Fund Capital Projects	
Fiber Network Extension	
Fiber network extension providing high bandwidth connectivity for data, video, telephone and SCADA needs for various city departments.	
<i>Approved: FY14</i>	<i>Expected Completion: Ongoing</i>
<i>Total Capital Cost</i>	Ongoing
<i>Total Operating Cost</i>	Ongoing
<i>Funding Source(s)</i>	Operating Revenues

Fire & Life Safety	
SCBA Equipment Replacement	
This project includes total replacement of the self-contained breathing equipment. SCBA equipment was last replaced in 2001.	
<i>Approved: FY14</i>	<i>Expected Completion: FY17</i>
<i>Total Capital Cost</i>	\$1,200,000
<i>Total Operating Cost</i>	\$0
<i>Funding Source(s)</i>	Capital Reserves

Parks & Recreation	
Hector H. Henry Greenway - Airport Phase	
This is an approximately 1.5 mile segment that begins at Interstate 85 and extends upstream to Derita Rd. This includes land acquisition, plan/design and construction of the greenway.	
<i>Approved: FY12</i>	<i>Expected Completion: FY20</i>
<i>Total Capital Cost</i>	\$2,205,000
<i>Total Operating Cost</i>	\$98,200
<i>Funding Source(s)</i>	P&R Capital Reserve, Operating Rev.

Parks & Recreation	
Park Lighting Replacement Ph. 1	
This project replaces existing field lights at Webb Field as well as field and tennis lights at Les Myers Park. This includes poles and lights on the athletic fields but lights only on the tennis courts.	
<i>Approved: FY12</i>	<i>Expected Completion: On Hold</i>
<i>Total Capital Cost</i>	\$601,000
<i>Total Operating Cost</i>	\$0
<i>Funding Source(s)</i>	Operating Revenue

Electric Projects Fund	
Smart Meter/Smart Grid	
This project will replace all of the This project is to replace the existing AMR metering system for electric with newer technology that will enhance our operational efficiency and provide better customer service for our customers.	
<i>Approved: FY16</i>	<i>Expected Completion: FY17</i>
<i>Total Capital Cost</i>	\$7,121,500
<i>Total Operating Cost</i>	\$0
<i>Funding Source(s)</i>	Operating Revenue

How to read the summary information:

← Department or Project Fund

← Project title

← Project description

← Fiscal years of project approval and completion

← Total cost of capital project

← Total 5-yr impact on operating budget

← Project's funding sources

Parks & Recreation	
MacEachern Greenway- Cabarrus Avenue	
Harold B. McEachern Greenway Phase 3 is an approximately .6 mile segment that extends from McGee Park to Cabarrus Ave. This includes land acquisition and construction.	
<i>Approved: FY12</i>	<i>Expected Completion: FY17</i>
<i>Total Capital Cost</i>	\$1,758,491
<i>Total Operating Cost</i>	\$0
<i>Funding Source(s)</i>	P&R Capital Reserve, Operating Rev.

Parks & Recreation	
MacEachern Greenway- Cabarrus Avenue	
Harold B. McEachern Greenway Phase 3 is an approximately .6 mile segment that extends from McGee Park to Cabarrus Ave. This includes land acquisition and construction.	
<i>Approved: FY12</i>	<i>Expected Completion: FY17</i>
<i>Total Capital Cost</i>	\$1,758,491
<i>Total Operating Cost</i>	\$0
<i>Funding Source(s)</i>	P&R Capital Reserve, Operating Rev.

Aviation	
Avigation Easement ("Air Rights") Acq.	
This is a planned acquisition of air rights over the Vulcan property adjacent to the Airport in the approach path of the newly extended runway.	
<i>Approved: FY07</i>	<i>Expected Completion: Undetermined</i>
<i>Total Capital Cost</i>	\$3,500,000
<i>Total Operating Cost</i>	\$0
<i>Funding Source(s)</i>	Operating Revenue, Federal

Electric Projects	
Delivery 2 Upgrades	
Project will upgrade all legacy electromechanical relays to digital protection systems.	
<i>Approved: FY15</i>	<i>Expected Completion: FY17</i>
<i>Total Capital Cost</i>	\$415,000
<i>Total Operating Cost</i>	\$0
<i>Funding Source(s)</i>	Operating Revenues

Stormwater Project Fund	
Chadbourne Ave Culvert Replacement	
This culvert replacement and upsizing under Chadborne Avenue is to reduce flooding risk to neighborhood homes and replace aging infrastructure.	
Approved: FY15	Expected Completion: TBD
Total Capital Cost	\$550,854
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Stormwater Project Fund	
Channing Circle Culvert Replacement	
This culvert replacement and upsizing under Channing Circle to reduce flooding risk to neighborhood homes and replace aging infrastructure.	
Approved: FY15	Expected Completion: TBD
Total Capital Cost	\$620,130
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Wastewater Projects Fund	
Province Green Pump Station Elimination	
This project includes installation of approximately 2,900LF of gravity sewer main and abandonment of a pump station to eliminate the Province Green pump station..	
Approved: FY16	Expected Completion: FY17
Total Capital Cost	\$990,000
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Water Projects Fund	
AMI Meter Conversion	
This project is a replacement of existing water meters with AMI (Advanced Metering Infrastructure) meters.	
Approved: FY14	Expected Completion: FY18
Total Capital Cost	\$5,000,000
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Water Projects Fund	
US29 Bridge 16" Watermain Replacement	
The water main relocation is associated with the replacement of the bridge over US Highway 29 at Rocky River.	
Approved: FY16	Expected Completion: FY17
Total Capital Cost	\$300,000
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Waterlines Operations & Maintenance	
Hillgrove WTP - Byproduct Reduction	
Conduct full scale testing, design, & construction of a chlorine dioxide system, upgrade of the flash mixing basin, design/construction of piping modifications and baffling in the clearwell, and design/construction of a powdered activated carbon feed.	
Approved: FY14	Expected Completion: Ongoing
Total Capital Cost	\$1,675,000
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Stormwater Project Fund	
Wyoming Drive Culvert Replacements	
This culvert replacement and upsizing under Wyoming Drive and Wyoming Drive/Grand Canyon is to reduce flooding risk to neighborhood homes and replace aging infrastructure.	
Approved: FY14	Expected Completion: TBD
Total Capital Cost	\$643,428
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Stormwater Project Fund	
Shamrock Culvert Replacement	
This culvert replacement and upsizing under Shamrock Drive is to reduce flooding risk to neighborhood homes and replace aging infrastructure.	
Approved: FY16	Expected Completion: TBD
Total Capital Cost	\$269,539
Total Operating Cost	\$0
Funding Source(s)	Operating Revenues

Wastewater Projects Fund	
Laurel Park Pump Station Elimination	
This project includes installation of approximately 1,200LF of gravity sewer and abandonment of a pump station to eliminate the Laurel Park pump station.	
Approved: FY16	Expected Completion: FY18
Total Capital Cost	\$500,000
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Waterlines Operations & Maintenance	
Replace PLC Cabinets at Coddle Creek WTP	
Replace the existing PLC cabinets located at the meter gateway. Project includes replacement of remaining PLC every three years.	
Approved: FY14	Expected Completion: FY17
Total Capital Cost	\$210,000
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Waterlines Operations & Maintenance	
Derita Road Waterline Replacement	
Realign the existing 16" waterline from Poplar Tent Road to Rocky River as part of the NCDOT TIP project.	
Approved: FY14	Expected Completion: FY18
Total Capital Cost	\$750,000
Total Operating Cost	\$0
Funding Source(s)	Operating Revenue

Transportation Capital Projects	
CMAQ Poplar Tent/US 29	
Provide local funding match for Congestion Mitigation Air Quality funds used to make roadway improvements at and near the intersection of Poplar Tent Rd. and US Highway 29 using a Modified Superstreet design that will lessen congestion.	
Approved: FY13	Expected Completion: FY17
Total Capital Cost	\$1,459,626
Total Operating Cost	\$0
Funding Source(s)	Transportation Fund, Grants

Transportation Capital Projects	
Derita Road Improvements	
Provide funding for roadway improvements on Derita Rd from Poplar Tent to Rocky River. Includes design, permitting, purchase of right-of-way, utility relocation, and construction of an improved roadway section with curb, gutter and sidewalks.	
<i>Approved: FY13</i>	<i>Expected Completion: FY17</i>
<i>Total Capital Cost</i>	\$20,000,000
<i>Total Operating Cost</i>	\$0
<i>Funding Source(s)</i>	NCDOT, Transportation Rsvs

Transportation Capital Projects	
NE Subset Sidewalk Extension	
Provide local funding match for CMAQ funds used to extend pedestrian facilities in the NE Quadrant of the City of Concord. This project will lessen congestion and mitigate current vehicle emission	
<i>Approved: FY14</i>	<i>Expected Completion: FY17</i>
<i>Total Capital Cost</i>	\$525,916
<i>Total Operating Cost</i>	\$0
<i>Funding Source(s)</i>	Trans Funds, CMAQ Grant

Transportation Capital Projects	
Sidewalk Improvements - Miramar Ph. 2	
Construct new City sidewalks and associated infrastructure to expand the existing pedestrian system. Constructed in conjunction with the NE Subset.	
<i>Approved: FY14</i>	<i>Expected Completion: FY17</i>
<i>Total Capital Cost</i>	\$150,000
<i>Total Operating Cost</i>	\$0
<i>Funding Source(s)</i>	Transportation Funds

Transportation Capital Projects	
Virginia Street SE Segment Improvement	
Re-construct the surface of Virginia St., SE from Corban Ave., SE to Louise Ave., SE, inside the platted public R/W and upgrade / renovate the facility to meet minimum City of Concord street standards with a Complete Streets typical section.	
<i>Approved: FY14</i>	<i>Expected Completion: TBD</i>
<i>Total Capital Cost</i>	\$600,000
<i>Total Operating Cost</i>	\$0
<i>Funding Source(s)</i>	Transportation Funds

SUPPLEMENTAL INFORMATION

CIP REQUEST FORM INSTRUCTIONS

Directions: The bolded and italicized words below correspond with the parts that need to be completed on the CIP Request Form. All CIPs are to be entered into the budget software package.

Section 1: Background and Summary Cost Information

- *Project Title* – List the project title of the capital item.
- *Budget Unit #* - List the budget unit's accounting I.D. #.
- *Budget Unit* – Name of Department or budget unit requesting capital project. Use the capital project budget unit if applicable.
- *Functional Area* – Name of functional area of the department. Areas include:
 - General Government
 - Public Safety
 - Stormwater
 - Public Works
 - Economic Development
 - Electric Systems
 - Culture and Recreation
 - Wastewater Resources
 - Internal Services
 - Water Resources
 - Aviation
 - Public Housing
 - Golf Course
 - Public Transit
 - Dedicated Transportation Funds
- *Priority Ranking* – Of the CIP requests submitted by the department, list the priority rank for each CIP submission. (**NOTE:** Electric and Water departments should priority rank projects within their fund. All other departments should priority rank projects within their department.)
- *Total Requested Funds* – Total amount requested for the CIP item (including any operating budget expenses outlined in Section III) (**NOTE:** Bundle capital items together on one request form only if 1) they are for the same project and each item by itself costs over \$100,000 or 2) the group of items will be purchased together using a debt financing method. Example: New fire station and apparatus.)
- *Total Appropriations to Date:* - Enter the amount of money spent to date on the CIP project/item.
 - *Budget Year 1* – Amount of funding requested for the upcoming budget year.
 - *Year 2* – Amount of funding requested for the 2nd year of the CIP.
 - *Year 3* – Amount of funding requested for the 3rd year of the CIP.
 - *Year 4* – Amount of funding requested for the 4th year of the CIP.
 - *Year 5* – Amount of funding requested for the 5th year of the CIP.
- *Type of Project* –Click on the appropriate box to denote if the CIP item is “New,” an “Expansion” or “Renovation” of an existing capital item, or for “Replacement” of an existing capital item. If the project requires land acquisition or right-of-way, please click on the “Land/ROW Acq. Required” box.

Section 2: Discussion on the CIP Request

Please write all statements in complete sentences and proofread your entries

Description of Capital Item – Concisely describe the capital item and the extent or scale of the item. Include a description of:

- what the capital item is and its capabilities or characteristics,
- the purpose of the capital item, and
- how large the item is or how much space does the item require? Does the request involves major renovations or expansions or the construction of buildings?

Justification; and Linkage to Council Goals, other Master Plans, or Dept. Goals & Objectives – Briefly state:

- the capital item's demonstrated need. If the demonstrated need is in the form of a legal mandate, state the timeline the mandate must be implemented. In justifying the item, use of research studies/reports, statistics, and/or performance measurement and benchmarking information is preferred, and
- if the project is linked to any planning documents or statements.

History and Current Status; Impact if Cancelled or Delayed – Briefly state:

- background when the CIP request first appeared on the approved CIP (refer to CIP projects listed in the City's official budget document)
- if there have been any changes to costs or scope of the project since the first submission of the CIP request
- if the CIP request relates to any other CIP project,

- the current status of the project (for CIP projects that have been approved only in stages, not in entirety). What stages of the project have been completed? What stages remain? And,
- the impact if the capital item is cancelled or delayed.

Section 3: Project Costs

- In the corresponding fiscal year, type the estimated costs associated with the type of expenditure activity.
- If the capital item is planned to be started within the 5-year CIP window, but the total costs and project completion will not be carried out within the 5-years, type the remaining costs required to complete the item in the "Future \$\$" column. For example: if a \$100,000 project is planned to begin in year 5 and \$25,000 is spent in year 5, the remaining costs should be entered as \$75,000 in the "Future \$\$" column.

Section 4: New or Additional Impact on Operating Budget

- In the corresponding fiscal year, type any new or additional operating budget costs that would be incurred with the capital request. Items that should be included are new employees needed to operate new equipment, new professional or consulting services needed to operate the capital item, additional materials and supplies needed to operate the capital item, and maintenance and fuel for the capital item.
- Each future year cost should be calculated with a 3.5% inflation factor.

The system will automatically calculate cost totals for this section.

Section 5: Methods of Financing

- Select the Funding Source for the capital project (refer to the CIP policy for available funding options and consult the Finance Department if necessary) and the amount of revenue needed in the corresponding fiscal year.
- If the capital item is not planned to be completed within the 5-year CIP, type the remaining revenue – in the "Future \$\$" column – required to complete the capital item.
- **NOTE:** Revenues should equal expenditures for each fiscal year and for the entire capital item as a whole.
- **NOTE:** If a CIP request also incurs operating expenses, be sure to identify the non-debt method (refer to CIP policy) that will cover the operating expenses.

Section 6: Maps / Charts / Pictures

- Upload any available items that aid in describing the capital item and/or its location within the city. Charts may also be used to better convey the demonstrated need.

Section 7: Comments for Other Depts.

- This section has been added for you to add any comments you may have for other departments related to this project. Use it to alert other departments where their work may be needed for project completion.
- Place any notes for Legal here, including the type of estate (Fee Simple, Easement, etc) and a description of property needs (acreage, location, etc).

Please use the following format when creating each CIP request:

CIP Number: CIP-[budget unit]-[priority #]

Title: Description of the Project

All CIPs are to be added to the budget system before the scheduled budget review meeting.

Section 1		Project Title					Budget Unit #	
Budget Unit		Functional Area				Priority Rank		
Total Project Cost	Total Appropriations to date	Budget Year 1 FY2016-17	Unappropriated Subsequent Years				Total Requested Funds	Type of Project <input type="checkbox"/> New <input type="checkbox"/> Expansion <input type="checkbox"/> Replacement <input type="checkbox"/> Renovation <input type="checkbox"/> Land/ROW Acq. Required
			Year 2 FY2017-18	Year 3 FY2018-19	Year 4 FY2019-20	Year 5 FY2020-21		
Section 2		Description of Capital Item						

Justification; and Linkage to Council Goals, Master Plans, or Dept. Goals & Objectives

History and Current Status; Impact if Cancelled or Delayed

Section 3		Project Costs						
Activity	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total	
Prelim Design/ Plans								
Engineering / Arch Serv								
Land/ ROW/ Acquisition								
Clear/ Grade/ Site Prep								
Building/ Utility Construction								
Heavy Equip/ Apparatus								
Light Equip/ Furniture								
Hardware/Software								
Total Capital Cost Est.	-	-	-	-	-	-	-	
Total Oper. Impact Est.	-	-	-	-	-	-	-	
Total Expenditure Est.	-	-	-	-	-	-	-	

Section 4		New or Additional Impact on Operating Budget						
Type of Expenditure	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total	
Total	-	-	-	-	-	-	-	

Section 5		Method(s) of Financing						
Funding Sources(s)	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	Future\$\$	Total	
Total Program Financing	-	-	-	-	-	-	-	

Section 6		Maps / Charts / Tables / Pictures	Section 7		Comments for Other Depts.
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GLOSSARY OF CAPITAL IMPROVEMENT PLAN TERMS & COMMON ACRONYMS

Appropriation: Expenditure authority created by the City Council.

Bond: A written promise to pay a specific amount of money with interest within a specific time period, usually long-term.

Budget Unit: An organizational budget / operating division within each City department (e.g. Tree Trimming is a budget unit within the Electric Systems department.).

Capital Expenditure: Irregularly occurring expense that results in the acquisition of a fixed asset and has a useful life greater than one (1) year.

Capital Improvement Program/Plan (CIP): A multi-year plan (5 years for the City) for the construction or acquisition of major capital items (over \$100,000). The plan usually outlines spending needs, the financing source or sources expected, and the impact of the CIP on future annual operating budgets.

Capital Outlay: An expenditure expected to have a useful life greater than one year or a total value of \$5,000 or more resulting in the acquisition of or addition to a fixed asset. Examples of capital outlay expenditures include vehicles, mowing equipment, and buildings. The portion of the budget pertaining to the purchase of capital outlay items.

Capital Project: A capital improvement that usually requires a major initial investment, and a significant and continuing financial commitment in the form of operating costs.

Capital Project Ordinance: The official enactment by the City Council to establish legal authority for City officials to obligate and expend resources for capital.

Certificates of Participation (COPS): A security created as a part of a lease-purchase agreement. The lender, the holder of the certificate, owns a right to participate in periodic lease payments (interest and return of principal) as they are paid.

Community Development Block Grant (CDBG): An entitlement grant from the U.S. Department of Housing and Urban Development (HUD) to assist low and moderate income persons of the City in targeted neighborhoods.

This fund is required by federal regulations to account for the use of these funds.

Enterprise Fund: A fund that accounts for governmental activities supported wholly or partially with user fees or charges and operated using business principles.

Expenditures: The measurement focus of governmental fund accounting identifying financial resources expended during a period for operations, capital outlay, and long-term debt principal retirement and interest. With the exception of long-term debt principal retirement expenditures, expenditures reflect the cost incurred to acquire goods and services.

Expenses: The measurement focus of proprietary fund accounting identifying costs expired during a period, including depreciation and other allocations as in business accounting. Expenses reflect the cost of goods or services used.

Fiscal Year: A 12-month period of time, from July 1 through June 30, to which the annual budget applies.

Fixed Asset: An asset of long-term character. For budgetary purposes, a fixed asset is defined as an item costing \$5,000 or more with an expected life of more than one year.

Functional Area: A group of related programs crossing organizational (departmental) boundaries and aimed at accomplishing a similar broad goal or major service. Examples of functions within the City of Concord include Public Safety, Cultural and Recreational, and General Government.

Fund: A fiscal and accounting entity that has a self-balancing set of accounts recording cash and other financial resources, as well as related liabilities and residual equity. These are segregated to carry on specific activities or objectives in accordance with special regulations, restrictions or limitations as established by State and Federal governments.

Funding Sources: Identifies fund(s) that will provide money for project expenditures.

Goal: A broad policy statement outlining the general direction or intent of an organizational unit's major

activities within a medium-range time period, usually 3-5 years.

Generally Accepted Accounting Principles (GAAP): Uniform minimum standards and guidelines for financial accounting and reporting. GAAP encompasses the conventions, rules, and procedures necessary to define accepted accounting practices.

General Obligation Bonds (GO Bonds): Bonds issued by a government that are backed by the full faith and credit of its taxing authority.

General Fund: A governmental fund used to account for all financial resources of the City, except those required to be accounted for in another fund. Revenues to support the General Fund are derived from sources such as property tax, sales tax, franchise fees and service fees.

Governmental Funds: Funds used to separate, control, and track financial resources of general government operations. The four governmental fund types include: 1) General Fund, 2) Special Revenue Funds, 3) Capital Projects Funds, and 4) Debt Service Funds.

Grant: A contribution by a government or other organization to support a particular function.

Intergovernmental Revenues: Revenues from other governments (State, Federal or local) that can be in the form of grants, shared revenues, or entitlements.

Internal Service Fund: This fund is used to account for the financing of goods or services provided by one department or agency to other departments or agencies of the governmental unit, on a cost-reimbursement, or cost allocation, basis.

Operations: The portion of the budget pertaining to the daily operations that provides basic governmental services. The operating portion of the budget contains appropriations for such expenditures as supplies, utilities, materials, and travel.

Ordinance: A formal legislative enactment by the City Council that has the full force and effect of law within the boundaries of local, State, and Federal law.

Pay-As-You-Go (or Pay-Go): Financial policy of a government unit that finances capital outlays from current revenues rather than through borrowing.

Policy: A direction that must be followed to advance toward a goal. The direction can be a course of action or a guiding principle.

Powell Bill Funds: Funding from state-shared gasoline taxes that are restricted for use on maintenance of local streets and roads.

Program: A well-defined portion of the operating plan for which a distinct set of goals and outcomes may be developed.

Retained Earnings: Amounts shown as retained earnings represent accumulated earnings of proprietary funds after all budgeted business expenses have been made.

Revenue: Funds the City receives as income. It includes tax payments, fees for services, grants, fines, forfeitures and interest income.

Revenue Bonds: Bonds issued by a government that are backed by a specific revenue source – such as special assessments, water/sewer fees, and electric fees.

Special Revenue Fund: A fund used to account for the revenues from specific sources that are to be used for legally specified expenditures.

**COMMON BUDGET & PERFORMANCE
MEASUREMENT ACRONYMS**

CDBG = Community Development Block Grant

CIP = Capital Improvement Plan

COPS = Certificates of Participation

FTE = Full-time Equivalent

FY = Fiscal Year

GAAP = Generally Accepted Accounting Principles

GASB = Governmental Accounting Standards Board

GFOA = Government Finance Officers Association

GO Bonds = General Obligation Bonds

MPO = Metropolitan Planning Organization

NCGS = North Carolina General Statute

PIP = Pedestrian Improvement Plan

PM = Performance Measurement

ROW = Right-of-Way

WSACC = Water & Sewer Authority of Cabarrus County