City of

Brentwood

Tennessee

Capital Improvements Program

FY 2020-2025

CITY OF BRENTWOOD, TENNESSEE

PROPOSED CAPITAL IMPROVEMENTS PROGRAM

Fiscal Years 2020 - 2025

DRAFT

March 25, 2019

TABLE OF CONTENTS

	PAGE
I. Introduction	
City Manager's Transmittal Memorandum	i
Finance Director's Transmittal Memorandum	viii
Resolution Adopting Capital Improvements Program	x
II. Summaries of Expenditures and Funding Sources	**1**
III. General Facilities and Equipment	**13**
Community Identity Features	15
Community Planning	17
Equipment and Vehicles	19
Fire Stations	21
Library	23
Municipal Center	25
Park Operations Facility	27
Police Headquarters	29
Safety Center East	31
Service Center	33
Town Center Improvements	35
IV. Technology	**37**
Computer Equipment	39
Emergency Communications Center	41
Fiber Network	43
GIS	45
Radio System	47
Security System	49
Software Systems	51
Warning Sirens	53
V. Transportation	**55**
ADA Retrofits	57
Bike and Pedestrian	59
Bridges	61
Crockett Road	63
Franklin Road - South	65
McEwen Drive	67
Ragsdale Road	69
Split Log Road	71
Street Lighting	73
Street Resurfacing	75
Sunset Road	77
Sunset-Ragsdale Realignment	79
Traffic Signal Upgrades	81

TABLE OF CONTENTS

	PAGE
VI. Storm Drainage	**83**
Derby Glen	85
Shenandoah Drive	87
Subdivision Drainage	89
VII. Parks and Recreation	**91**
Crockett Park	93
Deerwood Arboretum	95
Flagpole and Wikle	97
Granny White Park	99
Marcella Vivrette Smith Park	101
Maryland Way Park	103
Owl Creek Park	105
River Park	107
Williamson County Indoor Sports Complex	109
VIII. Utilities	**111**
Meter Reading Program Upgrade	113
Miscellaneous Sewer Service Additions	115
Miscellaneous Sewer System Improvements	117
Miscellaneous Water System Improvements	119
Sewer Rehabilitation Program	121
Sewer System Capacity Improvements	123
Sewer Lift Station Rehabilitation	125
Water Line Replacement Program	127
Water System Capacity Improvements	129
IX. Glossary of Terms	**131**

INTRODUCTION

JILL BURGIN
MAYOR

MARK GORMAN
VICE-MAYOR

KIRK BEDNAR
CITY MANAGER

BRENTWOOD
TENNESSEE

COMMISSIONERS
BETSY CROSSLEY
ANNE DUNN
RHEA E. LITTLE, III
REGINA SMITHSON
KEN TRAVIS

March 25, 2019

CITY MANAGER MEMORANDUM

2019-02

TO: Honorable Mayor and Members of the City Commission

FROM: Kirk Bednar, City Manager

SUBJECT: Proposed Fiscal Years 2020-2025 Capital Improvements Program

Attached you will find the proposed six-year capital improvements program (CIP) for the City of Brentwood for fiscal years 2020-2025.

The proposed CIP will be reviewed with the Board of Commissioners at a work session scheduled for Tuesday, April 2, 2019, beginning at 4:00 PM in the Municipal Center Annex Room. The staff will review each project and seek initial guidance and direction on the appropriateness and priorities in the program. Afterwards, the CIP will be circulated in the community for citizen review and comments. Formal public hearings are scheduled at three City Commission meetings on Tuesday, May 28, 2019, Monday, June 10, 2019, and Tuesday, June 25, 2019. A resolution to adopt the six-year CIP will be presented to the City Commission for consideration and adoption at the June 25, 2019 meeting.

The primary focus of this six-year program is to identify and address the infrastructure and facility/equipment needs of the community given the strong pace of growth in the Middle Tennessee region. Brentwood is recognized nationally as a desirable community to live, work, and do business. Existing and potential residents and corporate citizens have a choice in where they live or locate their business. In this competitive environment, it is essential that the City undertake or facilitate projects that help maintain and improve our favorable quality of life. The challenge is to proactively undertake needed capital projects in a fiscally responsible manner.

Accordingly, consideration and approval of this six-year CIP program by the City Commission represents one of the most important actions taken by the Board each year.

Over the past 20+ years, Brentwood has invested considerable resources in developing and enhancing important community resources. Our citizens widely use, benefit from, and depend on these investments. For Brentwood, the CIP remains a "work in progress" with important projects and unmet needs that warrant funding consideration during the next six years. Examples include road projects that improve safety and reduce congestion for drivers; new civic facilities intended to enhance public safety services as the city continues to grow; and, enhancements to our utility systems that improve the reliability and capacity to deliver services to existing and future customers and protect the environment. While the program presented here is a six-year program, the plan is a living document with only the first year fully committed as part of the FY 2020 budget. The plan is updated every year, and projects in years two through five may be added, deleted, or changed in terms of scheduling in future updates of the plan.

Summary Overview

The proposed FY 2020-2025 Capital Improvements Program is an ambitious plan that calls for the investment of **$154,500,000** in City, State, Federal, and private funds to upgrade and expand the City's infrastructure in the major program areas of transportation, utilities, parks and recreation, general facilities and equipment, technology, and storm drainage. A program of this magnitude cannot be undertaken with local resources alone; therefore, local funding is being used to strategically leverage state and federal aid to the program, particularly for transportation improvements. About **$29.25 million** of the **$154.5 million** program (19%) is dependent upon utilization of inter-governmental revenues (state, federal, and county), targeted mostly to completion of improvements of Franklin Road, annual street repaving over the next six years, and the Police Headquarters project.

The net local investment of **$125.25 million** over six-years will require a significant funding commitment, including direct support of over **$99.95 million** on a "pay as you go basis," primarily from the General Fund and other funds that depend on annual contributions from the General Fund. The dependent funds that receive most of their revenue from the General Fund include, but are not limited to, the Capital Projects Fund, Equipment Replacement Division, and Facilities Maintenance Division. The Capital Projects Fund also receives periodic contributions from the proceeds of recently issued General Obligation (G.O.) bonds and proceeds from Public Works Project Fees and Adequate Facilities Taxes for specific capital projects. Private contributions are also received for specific capital projects such as offsite road improvements that benefit new development. The Water and Sewer Fund also makes direct expenditures from its annual operating budget, accumulated retained earnings, and tap fees for various water and sewer system improvements.

The proposed CIP program cannot be implemented without the issuance of new General Obligation Bonds totaling **$20.4 million**, including $13 million proposed in FY 2020 related to a new Police headquarters building, $4.9 million proposed in FY 2023 for the Ragsdale Road widening project, and additional $2.5 million in FY 2025, which is currently programmed for a

new Parks Department operations facility. The six-year CIP plan also includes issuance of **$4.9 million** of Water/Sewer Bonds. The proposed $13 million G.O. bond issue in 2020 is significantly larger than the City's traditional bond issues. Therefore, it will require an increase of approximately $450,000 in the General Fund's annual transfer to the Debt Service Fund by FY 2024 based on current debt service cash flow projections. Staff proposes to address this required funding increase incrementally over five fiscal years beginning in FY 2020 to level out the impact on the annual General Fund budget.

Total project costs in the major program areas over the next six years (FY 2020-2025) are summarized below:

Transportation	$67,430,000	43.6%
Facilities & Equipment	44,290,000	28.7%
Utilities	32,060,000	20.8%
Technology	7,635,000	4.9%
Parks & Recreation	2,615,000	1.7%
Storm Drainage	470,000	0.3%
TOTAL	$154,500,000	100.0%

Transportation improvements are again the largest component in the six-year program. Proposed projects will address safety concerns associated with substandard narrow roads and provide additional capacity to help reduce existing and future traffic congestion. The single largest project in the six-year plan involves completion of widening improvements to Franklin Road South to five lanes from Concord Road to south of Moore's Lane. This project is currently under construction with an updated remaining cost estimate totaling $18.1 million. Almost all of this funding will be provided directly by TDOT for construction with a small local share reserved for settlement of remaining eminent domain cases.

With the passage of the IMPROVE Act in 2017, increased gas tax revenue will allow TDOT to undertake numerous new projects. Within Brentwood, the IMPROVE Act identified the reconstruction of the Moore's Lane/I-65 interchange as a future project. TDOT has not yet proposed the schedule for initiating this project. Unfortunately, even with the IMPROVE Act, a TDOT commitment to financially participate in any future major improvement projects on other state routes such as Wilson Pike between Concord and Church Street is highly unlikely in the foreseeable future.

Significant local funding ($6.75 million) is allocated over the next two years to complete the widening of Sunset Road from the recently improved Ragsdale Road intersection north to Concord Road. The six-year plan maintains significant funding ($9.2 million) projected to be provided to the City of Franklin in FY 2021 to initiate construction on the McEwen Drive extension east of Wilson Pike through the Taramore subdivision. Finally, the latter years of the six-year plan include funding ($11.9 million) for the planned widening of Ragsdale Road from the Glenellen subdivision west to Split Log Road.

The City will maintain a significant commitment to street resurfacing over the six-year period in the total amount of $15.3 million. The FY 2020 proposed resurfacing funding level of $2.3 million reflects the same level as FY 2019. The plan includes $100,000 annual increases in funding over the last five years, primarily due to the increased local gas tax distribution resulting from adoption of the IMPROVE Act in 2017.

The primary focus of the **General Facilities and Equipment** program over the next six years will be on construction of new departmental facilities. The proposed construction of a new Police headquarters facility ($27 million) will represent the largest single building construction project in the history of the city. Funding ($4.35 million) is also provided for future design and construction of Fire Station 5 on Split Log Road. Design work on the station is planned to begin in FY 2021 with construction scheduled to begin in FY 2023. The planned construction of a new Parks Department office facility within Crockett Park has been delayed until FY 2024 due to funding limitations.

The six-year plan maintains the ongoing effort to accumulate funding annually for the periodic replacement and upgrade of essential vehicles and heavy equipment. This systematic approach will allow for almost $5.0 million in vehicles and equipment (costing more than $40,000 per unit) to be replaced over the next six years. This reserve allows us to avoid an adverse budgetary impact in a single year.

Funding is programmed in the Municipal Center enterprise fund for continued upkeep and improvement of the 30+ year-old city hall facility, including renovation of the Planning and Codes area in FY 2022 assuming the Police Department has relocated to its new facility by that time. Annual funding from the Facilities Maintenance Fund is also programmed throughout the six-year period to assure proper upkeep of various city facilities. Finally, $300,000 remains in reserve for possible public infrastructure improvement in the Town Center area as may be deemed appropriate in coordination with redevelopment of the original Town Center area. Note that $1 million originally allocated to the Town Center project but never utilized over the past ten years has been reprogrammed in the six-year plan to help fund the Parks Operations facility.

The proposed six-year **Utilities** program continues the shift from rehabilitation of the original sewer system to long-term capacity planning for both the water and sewer systems. From a water service standpoint, the City faces the continuing challenge of having to significantly overbuild its distribution system in order to satisfy summer irrigation system demands. This unbalanced seasonal demand has resulted in the City's primary water supplier, Harpeth Valley Utility District, adjusting the City's minimum bill obligations to a point where the new monthly minimum bill volume will be greater than the actual volume of water needed during most months of the year. The six-year plan provides for a $9.4 million investment to expand the capability of the system to distribute water to our customers throughout the service area. However, the long-term need for some of these water capacity projects will continue to be evaluated given the recent trend of lower peak summer demand. In addition to water capacity projects, the six-year plan also invests heavily ($5.0 million) in the replacement of aging water system infrastructure.

Now that the heaviest phase of sewer rehabilitation work is nearing completion, the focus is shifting to sewer system capacity improvements as identified in the sewer system master plan. This includes sub-basin conveyance and system-wide capacity projects to insure the sewer system can adequately serve the community as build out of the service area progresses. A total of $8.7 million is programmed over the six-year CIP period for sewer capacity projects, including a proposed wet weather storage tank in proximity to the Brentwood pump station.

The **Technology** program emphasizes the replacement and upgrade of computer hardware and software and other state of the art equipment that allows our employees to continue to deliver services in a responsive, cost effective manner. About $3.6 million is allocated for computer equipment and hardware upgrades and replacements over six years. Costs related to the relocation of 911 dispatch operations to the new Police Headquarters facility ($1.35 million) are programmed from the ECD fund in FY 2022. Facility security upgrades and enhancements are planned in FY 2020. This includes $325,000 for upgrading the existing card reader security system at all city facilities and $300,000 for expansion of the license plate reader system at remaining city parks and/or along major vehicle corridors. Funding of $415,000 is carried over to FY 2020 to complete final acceptance testing of the regional radio system that went live in early 2019. This system will be interconnected with the Metro Nashville 800 MHz radio system to provide even greater regional communications interoperability. Finally, funding of $700,000 is also provided in FY 2023 for the potential upgrade or replacement of the City's general ledger and HR software systems, which will be 18 years old at that point.

Over the past several years, the City has made a major commitment toward the acquisition and development of new parkland. This includes the purchase and Phase 1 and 2 development of the 400-acre Marcella Vivrette Smith Park, the developer funded construction of the 24-acre Margaret Hayes Powell Park, and construction of Wikle and Flagpole parks completed in fall of 2016. The **Parks and Recreation** program over the next six years includes significant funding ($1.7 million) for proactive major maintenance projects within existing park facilities, including potential replacement of the community playground and Eddy Arnold Amphitheatre roof.

FINANCING REQUIREMENTS

As noted earlier, almost $100 million (65%) of the six-year program will be funded from local sources on a "pay-as-you-go" basis. Next, inter-governmental funding sources will cover $29.25 million or 19%. The remaining funds ($25.3 million or 16%) will come through the issuance of General Obligation and Water/Sewer Bonds.

FY 2020 funding for several projects is dependent upon a proposed FY 2019 year-end transfer of current year excess revenues of $5,360,000 from the General Fund to the Capital Projects Fund and $190,000 from the General Fund to the Equipment Replacement Fund. In addition to this transfer of excess current year revenue, the funding plan also calls for a transfer of $11.0 million from the undesignated General Fund reserve balance. These funds will provide a portion of the funding for the Police Headquarters project and the City's payment to Franklin for the McEwen Drive project.

The implementation of a six-year, comprehensive program with long-term benefits will require the issuance of **$20.4 million** in new 20-year General Obligation Bonds for the Police headquarters building ($13 million), the Ragsdale Road widening project ($4.9 million), and the Parks Operations facility ($2.5 million). The plan also calls for the issuance of **$4.9 million** in Water/Sewer Bonds to help fund the proposed sewer storage facility.

The following memo from Assistant City Manager Jay Evans and Richard Parker, Finance Director, addresses the financial implications associated with the issuance of debt and the appropriate timing for the bond issues to meet the requirements of this program. The proposed General Obligation and Water/Sewer Bonds will be issued in accordance with the City's adopted Debt Management Policy with a maximum limit of 20 years to retire the bonds.

Proposed future debt issues, in order of issuance, include the following:

Fiscal year 2020 (issued by late calendar year 2019):

- G.O. bonds **($13,000,000)** for construction of a Police Department headquarters building on city owned land on Heritage Way.

Fiscal year 2022 (issued by late calendar year 2021)

- Water and Sewer bonds **($4,900,000)** for construction of a sewer system equalization basin adjacent to the Brentwood/Metro pump station.

Fiscal year 2023 (issued by late calendar year 2022)

- G.O. bonds **($4,900,000)** for construction of improvements to widen Ragsdale Road from Glenellen subdivision to Split Log Road.

Fiscal year 2025 (issued by late calendar year 2024)

- G.O. bonds **($2,500,000)** for construction of Parks Department Operations facility.

No additional General Obligation or Water and Sewer bond issues are currently projected for the remainder of the six-year plan. However, future decisions regarding initiation of significant capital projects and/or significant fluctuations in revenue due to economic conditions or weather conditions could require consideration of debt financing for completion of projects.

The City of Brentwood currently has the highest possible bond rating from two major rating agencies - Moody's Investors Service **Aaa** and Standard and Poor's **AAA.** The City is in an excellent financial position to issue the above G.O. bonds over the next 6 years. This capital improvements program as well as the formulation of the annual operating budget is designed to maintain and protect the City's excellent credit rating.

The City takes a very conservative approach to the issuance of General Obligation Bonds. However, a project the size of the proposed Police headquarters building will require debt funding at a level greater than the City has historically addressed in a single bond issue. This bond issue and the other planned issues will require an increase in the annual transfer from the General Fund to the Debt Service Fund. This increase is projected at $450,000 and will be phased in over five fiscal years beginning in FY 2020 to smooth the impact on the General Fund. The proposed debt issues are not projected to have an impact on the property tax rate. Debt service for the proposed Water/Sewer bonds will be funded through current income based on financial modeling at this time.

By formal policy, the City strives to maintain an unreserved fund balance in the Debt Service Fund equal to one year's debt service obligation. The General Obligation debt service payment (principal and interest) for FY 2019 is $2,649,000. The projected fund balance for the Debt Service Fund as of June 30, 2019 is approximately $2,833,610, which will exceed the one-year target level. The proposed FY 2020 General Fund transfer to the Debt Service Fund will be $3,250,000, an increase of $150,000 from the FY 2019 level.

Finally, the percentage of the total General Fund budget allocated for debt service in FY 2019 is 8.0%. This amount of annual debt service is considered by the rating agencies to be a manageable level for a growing community. Assuming a 4% budget growth from FY 2020 through FY 2025 with the Debt Service Fund transfer growing to $3,550,000 by FY 2025, this percentage will decrease to 7.2% in FY 2025.

CLOSING

I am very appreciative of the work and effort by various department heads in preparation of this six-year capital improvements program. Special recognition is given to Jay Evans, Assistant City Manager, for his assistance in the research and preparation of this document, and his continued efforts in streamlining the preparation process. This effort allows staff to focus its time and effort better on identifying and analyzing complex infrastructure projects and the associated financial considerations.

JILL BURGIN
MAYOR

MARK GORMAN
VICE-MAYOR

KIRK BEDNAR
CITY MANAGER

BRENTWOOD
TENNESSEE

COMMISSIONERS
BETSY CROSSLEY
ANNE DUNN
RHEA E. LITTLE, III
REGINA SMITHSON
KEN TRAVIS

March 25, 2019

MEMORANDUM

TO: Honorable Mayor and Member of the City Commission

THROUGH: Kirk Bednar, City Manager

FROM: Jay Evans, Assistant City Manager JME

Richard Parker, Finance Director RP

SUBJECT: Capital Improvements Program Funding

The attached City of Brentwood six-year Capital Improvements Program (CIP) represents the City's effort at long-term infrastructure and facility planning. A substantial amount of time and cooperative effort among the various departments and City Manager was required to bring the program to this point. The recommendation includes 50 projects and improvements at a total cost of $154 million. As addressed in the previous memo from the City Manager, $125.25 million of these proposed projects are funded on either a "pay-as-you-go" basis or through the issuance of General Obligation and Water/Sewer Revenue Tax Bonds. The "pay-as-you-go" funding includes a minimum $5.36 million FY 2019 year-end transfer of excess revenues from the General Fund to the Capital Projects Fund. It also includes utilization of $4.25 million in Public Works Project Fees.

Completion of a program of this magnitude will require three (3) 20-year General Obligation (GO) bond issuances. The first would be a $13 million issue in FY 2020 to fund construction of the proposed new Police Department Headquarters on Heritage Way, the second would be a $4.9 million issue in FY 2023 to pay for the widening of Ragsdale Road north of Split Log Road, and lastly $2.5M will be needed in FY 2025 for the Parks Operations Facility. The latter will likely be part of a larger $4.9M issue, with the balance used toward a currently undesignated project. It is anticipated that the $13 million issue will not be "bank-qualified" debt due to the $10 million annual cap in the federal tax code. The difference between the rates on bank-qualified and non-bank-qualified debt is now relatively nominal. This is due to the 2017 tax reform legislation passed by Congress that lowered corporate tax rates and thereby reduced the advantage to banks that buy bank-qualified bonds.

The issuance of additional debt will require increases in the contribution to the Debt Service Fund, as shown below. Staff is proposing gradual increases over the next four years to reach a funding level of $3.55 million, from the current $3.1 million. This will ensure the City remains compliant with its debt service policy, which requires maintenance of a reserve balance equal to one year's debt service payments. The remainder of the funds needed for capital improvements will be provided by a combination of direct project funding, Public Works Project Fees, and intergovernmental sources.

Fiscal Year	Direct Project Funding	Transfer to Debt Service Fund	Total General Fund Related Support
2020	$ 27,380,000	$ 3,250,000	$ 30,630,000
2021	22,900,000	3,350,000	26,250,000
2022	5,250,000	3,450,000	8,700,000
2023	13,895,000	3,500,000	17,395,000
2024	8,960,000	3,550,000	12,510,000
2025	8,155,000	3,550,000	11,705,000
Total	**$ 86,540,000**	**$ 20,650,000**	**$ 107,190,000**

The City's Water and Sewer Fund is expected to issue $4.9M in bonds in FY 2022 to finance a portion of the sewer system's $7.0 million wet weather storage facility that has been identified by TDEC as a necessary improvement. Thanks largely to the planned rate increases approved in FY 2017, operating revenues, tap fees, and private sources are projected to fund all remaining improvements in the planning period. Should regulatory conditions change or currently anticipated projects change in scope, additional debt may be necessary.

The Capital Improvements Program will be reevaluated and updated annually considering new priorities, revised costs, revenue trends, and other economic factors.

Staff continues to appreciate the Commission's valuable input and guidance in support of the development and implementation of the Capital Improvements Program.

RESOLUTION 2019-34

A RESOLUTION TO ADOPT A CAPITAL IMPROVEMENTS PROGRAM FOR THE CITY OF BRENTWOOD FOR THE FISCAL YEARS 2020-2025

WHEREAS, the City of Brentwood has grown rapidly in population and services since its inception in 1969; and

WHEREAS, a proposed program for capital improvements has been developed for the next six years to address the needs of a growing community; and

WHEREAS, this program allows for more effective use of planning, financial and organizational resources in implementing a widely understood capital improvements plan.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY OF BRENTWOOD, TENNESSEE, AS FOLLOWS:

SECTION 1. That the proposed Capital Improvements Program, establishing projects to be accomplished during fiscal years 2020-2025, is hereby adopted as a guideline for Brentwood city government.

SECTION 2. That this resolution shall take effect from and after its passage, the general welfare of the City of Brentwood, Williamson County, Tennessee requiring it.

_____
MAYOR

ADOPTED: June 25, 2019

Approved as to form:

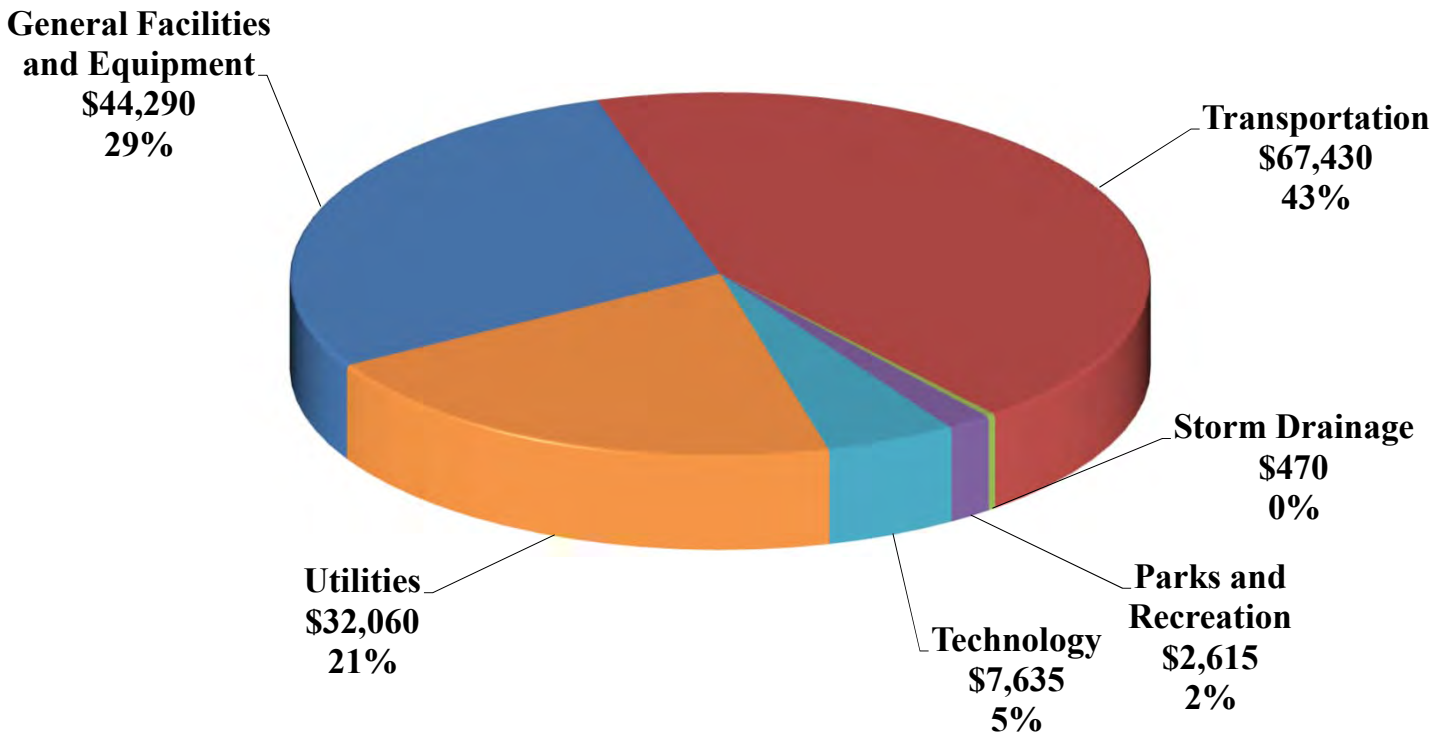
_____
RECORDER Holly Earls

_____
CITY ATTORNEY Kristen Corn

CITY OF
BRENTWOOD
TENNESSEE
ARDENS·FIDE
1969

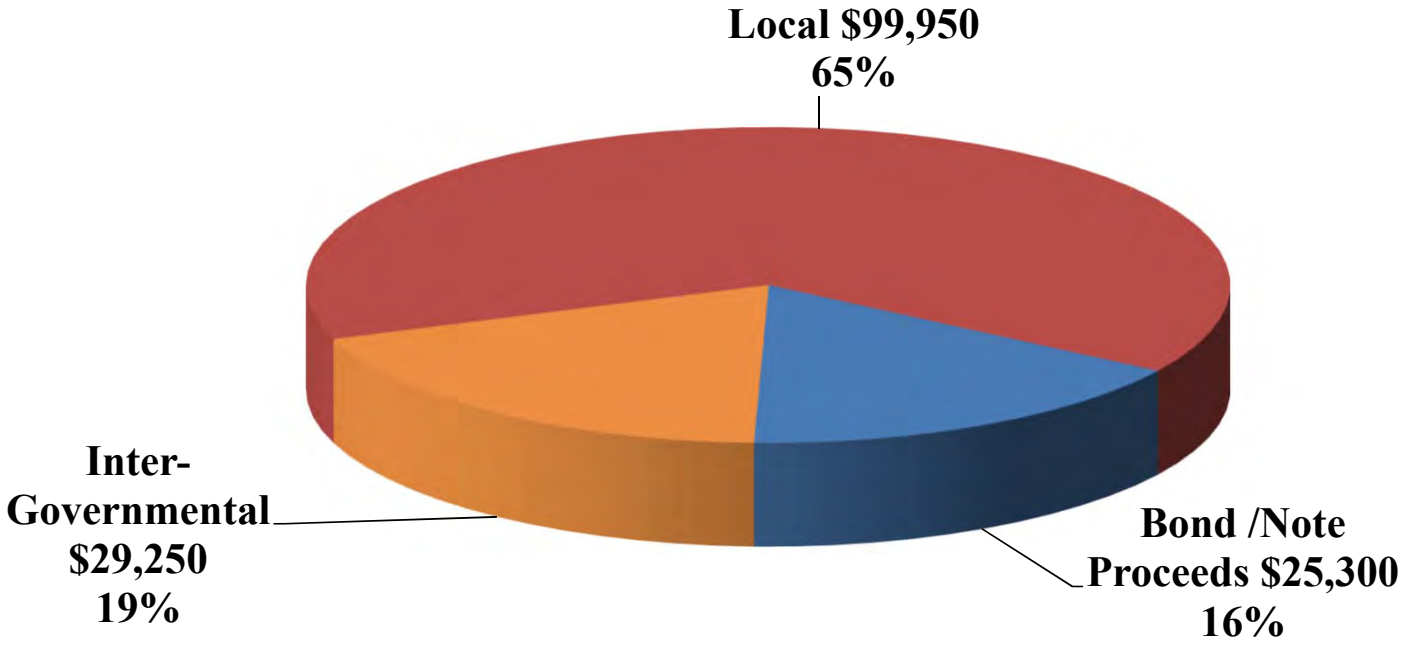
SUMMARIES

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Years 2020-2025
Program Expenditures
(000's)



Total for All Programs
$154,500

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Years 2020-2025
Funding by Source
(000's)



Total for All Programs
$154,500

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Program Expenditures - Summary
(000's)

Program	Projected FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total 6 Years 2020-2025
General Facilities and Equipment	3,875	19,065	10,655	2,060	3,705	4,570	4,235	44,290
Technology	3,455	2,135	625	1,710	1,345	870	950	7,635
Transportation	13,390	18,005	20,215	7,745	10,875	6,245	4,345	67,430
Storm Drainage	50	220	50	50	50	50	50	470
Parks and Recreation	1,865	615	690	230	350	155	575	2,615
Utilities	3,645	6,925	3,925	12,370	3,330	2,755	2,755	32,060
Grand Total	**26,280**	**46,965**	**36,160**	**24,165**	**19,655**	**14,645**	**12,910**	**154,500**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Sources of Funds - Summary
(000's)

Source	Projected FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total 6 Years 2020-25
Capital Projects Fund	7,580	13,635	5,870	20	-	1,000	-	20,525
Emergency Communications District Fund	-	-	225	1,345	-	-	-	1,570
Equipment Replacement Division	2,050	1,290	1,285	1,260	2,105	1,235	1,510	8,685
Facilities Maintenance Division	270	420	390	405	600	630	300	2,745
General Fund	810	850	2,205	2,875	6,120	5,925	3,675	21,650
General Fund (Unrestricted Balance)	1,500	-	11,000	-	-	-	-	11,000
General Obligation Bond Proceeds	-	11,050	1,950	-	4,900	-	2,500	20,400
Municipal Center Fund	230	220	200	690	170	170	170	1,620
Private Sources	25	115	-	5	635	5	5	765
Public Works Project Fee Fund	1,930	2,750	500	-	-	1,000	-	4,250
Inter-Governmental Sources	7,000	8,250	7,000	3,500	-	-	-	18,750
State Street Aid Fund	1,240	1,500	1,600	1,700	1,800	1,900	2,000	10,500
Water and Sewer Fund	1,950	5,455	1,200	2,240	1,460	1,490	1,460	13,305
Water Tap Fees and NCGUD Grove Tap Fees	395	620	1,125	3,935	1,250	1,250	1,250	9,430
Sewer Tap Fees	1,300	810	1,610	1,290	615	40	40	4,405
Water & Sewer Bond/Note Proceeds	-	-	-	4,900	-	-	-	4,900
Grand Total	**26,280**	**46,965**	**36,160**	**24,165**	**19,655**	**14,645**	**12,910**	**154,500**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
General Facilities and Equipment - Summary
(000's)

		Projected FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total 6 Years 2020-2025
General Facilities	Community Identity Features	-	45	15	15	15	15	15	120
	Community Planning	35	15	-	-	50	-	50	115
	Equipment and Vehicles	1,480	750	740	980	1,495	440	595	5,000
	Fire Stations	780	145	100	250	1,500	2,500	-	4,495
	Library	50	50	50	50	300	350	50	850
	Municipal Center	170	220	200	690	170	170	170	1,620
	Park Operations Facility	-	-	-	-	100	1,020	2,530	3,650
	Police Headquarters	1,285	17,765	9,175	-	-	-	-	26,940
	Safety Center East	25	25	25	25	25	25	25	150
	Service Center	50	50	50	50	50	50	800	1,050
	Town Center Improvements	-	-	300	-	-	-	-	300
	Total - General Facilities	**3,875**	**19,065**	**10,655**	**2,060**	**3,705**	**4,570**	**4,235**	**44,290**
Technology	Computer Equipment	670	615	505	255	595	780	890	3,640
	Emergency Communications Center	15	145	0	1345	0	0	0	1,490
	Fiber Network	70	100	0	85	0	0	0	185
	GIS	0	0	45	0	0	75	0	120
	Radio System	2500	415	0	0	0	0	0	415
	Security System	130	625	0	0	0	0	0	625
	Software Systems	70	235	40	25	715	15	25	1,055
	Warning Sirens	0	0	35	0	35	0	35	105
	Total - Technology	**3,455**	**2,135**	**625**	**1,710**	**1,345**	**870**	**950**	**7,635**
Transportation	ADA Retrofits	-	100	200	200	200	-	-	700
	Bike and Pedestrian	215	1,190	350	350	350	350	350	2,940
	Bridges	95	285	-	-	-	-	-	285
	Crockett Road	145	-	-	-	-	-	-	-
	Franklin Road - South	7,010	7,650	7,000	3,500	-	-	-	18,150
	McEwen Drive	-	-	9,200	-	630	-	-	9,830
	Ragsdale Road	-	-	-	1,000	6,900	3,000	1,000	11,900
	Split Log Road	230	-	-	-	-	-	-	-
	Street Lighting	-	-	20	20	20	20	20	100
	Street Resurfacing	2,300	2,300	2,400	2,500	2,600	2,700	2,800	15,300
	Sunset Road	1,930	5,880	870	-	-	-	-	6,750

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
General Facilities and Equipment - Summary
(000's)

		Projected FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total 6 Years 2020-2025
Tranportation (cont'd)	Sunset-Ragsdale Realignment	1,220	200	-	-	-	-	-	200
	Traffic Signal Upgrades	245	400	175	175	175	175	175	1,275
	Total - Transportation	**13,390**	**18,005**	**20,215**	**7,745**	**10,875**	**6,245**	**4,345**	**67,430**
Storm Drainage	Derby Glen	-	120	-	-	-	-	-	120
	Shenandoah Drive	-	50	-	-	-	-	-	50
	Subdivision Drainage	50	50	50	50	50	50	50	300
	Total - Storm Drainage	**50**	**220**	**50**	**50**	**50**	**50**	**50**	**470**
Parks/Recreation									
	Crockett Park	215	90	450	75	250	75	525	1,465
	Deerwood Arboretum	-	-	40	-	10	-	-	50
	Flagpole and Wikle	-	-	-	-	-	15	-	15
	Granny White Park	15	65	100	145	30	50	50	440
	Marcella Vivrette Smith Park	65	290	100	10	-	15	-	415
	Maryland Way Park	20	130	-	-	-	-	-	130
	Owl Creek Park	50	35	-	-	60	-	-	95
	River Park	-	5	-	-	-	-	-	5
	Williamson County Indoor Sports Complex	1,500	-	-	-	-	-	-	-
	Total - Parks/Recreation	**1,865**	**615**	**690**	**230**	**350**	**155**	**575**	**2,615**
Utilities	Meter Reading Program Upgrade	1,690	485	-	-	-	-	-	485
	Miscellaneous Sewer Service Additions	-	150	310	45	45	45	45	640
	Miscellaneous Sewer System Improvements	75	1,165	110	110	110	110	110	1,715
	Miscellaneous Water System Improvements	10	135	110	110	110	110	110	685
	Sewer Rehabilitation Program	1,285	1,160	660	660	660	660	660	4,460
	Sewer System Capacity Improvements	15	700	1,300	6,150	575	-	-	8,725
	Sewer Lift Station Rehabilitation	125	870	-	-	-	-	-	870
	Water Line Replacement Program	50	1,640	310	1,360	580	580	580	5,050
	Water System Capacity Improvements	395	620	1,125	3,935	1,250	1,250	1,250	9,430
	Total - Utilities	**3,645**	**6,925**	**3,925**	**12,370**	**3,330**	**2,755**	**2,755**	**32,060**
TOTALS		**26,280**	**46,965**	**36,160**	**24,165**	**19,655**	**14,645**	**12,910**	**154,500**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020-2025
General Facilities and Equipment Program - Summary
(000's)

Projects	Projected FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total 6 Years 2020-2025
Community Identity Features	-	45	15	15	15	15	15	120
Community Planning	35	15	-	-	50	-	50	115
Equipment and Vehicles	1,480	750	740	980	1,495	440	595	5,000
Fire Stations	780	145	100	250	1,500	2,500	-	4,495
Library	50	50	50	50	300	350	50	850
Municipal Center	170	220	200	690	170	170	170	1,620
Park Operations Facility	-	-	-	-	100	1,020	2,530	3,650
Police Headquarters	1,285	17,765	9,175	-	-	-	-	26,940
Safety Center East	25	25	25	25	25	25	25	150
Service Center	50	50	50	50	50	50	800	1,050
Town Center Improvements	-	-	300	-	-	-	-	300
Grand Total	**3,875**	**19,065**	**10,655**	**2,060**	**3,705**	**4,570**	**4,235**	**44,290**

Source of Funds								
Capital Projects Fund	2,100	5,730	2,300	-	-	1,000	-	9,030
General Fund	-	-	115	265	1,665	2,535	845	5,425
General Fund - Unrestricted Balance	-	-	5,000	-	-	-	-	5,000
G O Bond Proceeds	-	11,050	1,950	-	-	-	2,500	15,500
Equipment Replacement Division	1,480	690	740	980	1,495	440	595	4,940
Facilities Maintenance Division	125	125	125	125	375	425	125	1,300
Inter-Governmental Sources	-	1,250	-	-	-	-	-	1,250
Municipal Center Fund	170	220	200	690	170	170	170	1,620
Private Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
ECD Fund	-	-	225	-	-	-	-	225
Grand Total	**3,875**	**19,065**	**10,655**	**2,060**	**3,705**	**4,570**	**4,235**	**44,290**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Technology Program - Summary
(000's)

Projects	**Projected FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**Total 6 Years 2020-25**
Computer Equipment	670	615	505	255	595	780	890	3,640
Emergency Communications Center	15	145	-	1,345	-	-	-	1,490
Fiber Network	70	100	-	85	-	-	-	185
GIS	-	-	45	-	-	75	-	120
Radio System	2,500	415	-	-	-	-	-	415
Security System	130	625	-	-	-	-	-	625
Software Systems	70	235	40	25	715	15	25	1,055
Warning Sirens	-	-	35	-	35	-	35	105
Grand Total	**3,455**	**2,135**	**625**	**1,710**	**1,345**	**870**	**950**	**7,635**

Source of Funds								
Capital Projects Fund	2,825	1,535	-	20	-	-	-	1,555
General Fund	-	-	70	65	735	45	35	950
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Equipment Replacement Division	570	600	545	280	610	795	915	3,745
Facilities Maintenance Division	-	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Municipal Center Fund	60	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	10	-	-	30	-	40
ECD Fund	-	-	-	1,345	-	-	-	1,345
Grand Total	**3,455**	**2,135**	**625**	**1,710**	**1,345**	**870**	**950**	**7,635**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Transportation - Summary
(000's)

Projects	Projected FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total 6 Years 2020-2025
ADA Retrofits	-	100	200	200	200	-	-	700
Bike and Pedestrian	215	1,190	350	350	350	350	350	2,940
Bridges	95	285	-	-	-	-	-	285
Crockett Road	145	-	-	-	-	-	-	-
Franklin Road - South	7,010	7,650	7,000	3,500	-	-	-	18,150
McEwen Drive	-	-	9,200	-	630	-	-	9,830
Ragsdale Road	-	-	-	1,000	6,900	3,000	1,000	11,900
Split Log Road	230	-	-	-	-	-	-	-
Street Lighting	-	-	20	20	20	20	20	100
Street Resurfacing	2,300	2,300	2,400	2,500	2,600	2,700	2,800	15,300
Sunset Road	1,930	5,880	870	-	-	-	-	6,750
Sunset-Ragsdale Realignment	1,220	200	-	-	-	-	-	200
Traffic Signal Upgrades	245	400	175	175	175	175	175	1,275
Grand Total	**13,390**	**18,005**	**20,215**	**7,745**	**10,875**	**6,245**	**4,345**	**67,430**

Source of Funds

Capital Projects Fund	2,435	5,780	3,570	-	-	-	-	9,350
General Fund	760	800	1,495	2,495	3,495	3,295	2,295	13,875
General Fund - Unrestricted Balance	-	-	6,000	-	-	-	-	6,000
G O Bond Proceeds	-	-	-	-	4,900	-	-	4,900
Facilities Maintenance Division	-	100	50	50	50	50	50	350
Private Sources	25	75	-	-	630	-	-	705
Public Works Project Fund	1,930	2,750	500	-	-	1,000	-	4,250
Inter-Governmental Sources	7,000	7,000	7,000	3,500	-	-	-	17,500
State Street Aid Fund	1,240	1,500	1,600	1,700	1,800	1,900	2,000	10,500
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	**13,390**	**18,005**	**20,215**	**7,745**	**10,875**	**6,245**	**4,345**	**67,430**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Storm Drainage Program - Summary
(000's)

Projects	**Projected FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**Total 6 Years 2020-2025**
Derby Glen	-	120	-	-	-	-	-	120
Shenandoah Drive	-	50	-	-	-	-	-	50
Subdivision Drainage	50	50	50	50	50	50	50	300
Grand Total	**50**	**220**	**50**	**50**	**50**	**50**	**50**	**470**

Source of Funds								
Capital Projects Fund	-	170	-	-	-	-	-	170
General Fund	50	50	50	50	50	50	50	300
G O Bond Proceeds	-	-	-	-	-	-	-	-
Grand Total	**50**	**220**	**50**	**50**	**50**	**50**	**50**	**470**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Parks and Recreation Program - Summary
(000's)

Projects	**Projected FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**Total 6 Years 2020-2025**
Crockett Park	215	90	450	75	250	75	525	1,465
Deerwood Arboretum	-	-	40	-	10	-	-	50
Flagpole and Wikle	-	-	-	-	-	15	-	15
Granny White Park	15	65	100	145	30	50	50	440
Marcella Vivrette Smith Park	65	290	100	10	-	15	-	415
Maryland Way Park	20	130	-	-	-	-	-	130
Owl Creek Park	50	35	-	-	60	-	-	95
River Park	-	5	-	-	-	-	-	5
Williamson County Indoor Sports Complex	1,500	-	-	-	-	-	-	-
Grand Total	**1,865**	**615**	**690**	**230**	**350**	**155**	**575**	**2,615**
Source of Funds								
Capital Projects Fund	220	420	-	-	-	-	-	420
General Fund	-	-	475	-	175	-	450	1,100
General Fund - Unrestricted Balance	1,500	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Facilities Maintenance Division	145	195	215	230	175	155	125	1,095
Private Sources	-	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	**1,865**	**615**	**690**	**230**	**350**	**155**	**575**	**2,615**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Water and Sewer Program - Summary
(000's)

Projects	Projected 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total 6 Years 2020-2025
Meter Reading Program Upgrade	1,690	485	-	-	-	-	-	485
Miscellaneous Sewer Service Additions	-	150	310	45	45	45	45	640
Miscellaneous Sewer System Improvements	75	1,165	110	110	110	110	110	1,715
Miscellaneous Water System Improvements	10	135	110	110	110	110	110	685
Sewer Rehabilitation Program	1,285	1,160	660	660	660	660	660	4,460
Sewer System Capacity Improvements	15	700	1,300	6,150	575	-	-	8,725
Sewer Lift Station Rehabilitation	125	870	-	-	-	-	-	870
Water Line Replacement Program	50	1,640	310	1,360	580	580	580	5,050
Water System Capacity Improvements	395	620	1,125	3,935	1,250	1,250	1,250	9,430
Grand Total	**3,645**	**6,925**	**3,925**	**12,370**	**3,330**	**2,755**	**2,755**	**32,060**
Source of Funds								
Water and Sewer Fund	1,950	5,455	1,190	2,240	1,460	1,460	1,460	13,265
Water Tap Fees and NCGUD Grove Tap Fees	395	620	1,125	3,935	1,250	1,250	1,250	9,430
Sewer Tap Fees	1,300	810	1,610	1,290	615	40	40	4,405
Private Sources	-	40	-	5	5	5	5	60
Water and Sewer Bond/Note Proceeds	-	-	-	4,900	-	-	-	4,900
Grand Total	**3,645**	**6,925**	**3,925**	**12,370**	**3,330**	**2,755**	**2,755**	**32,060**

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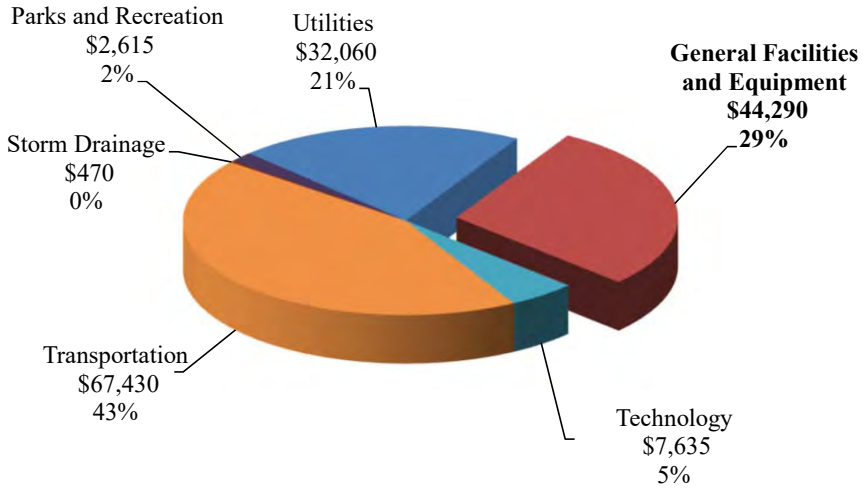
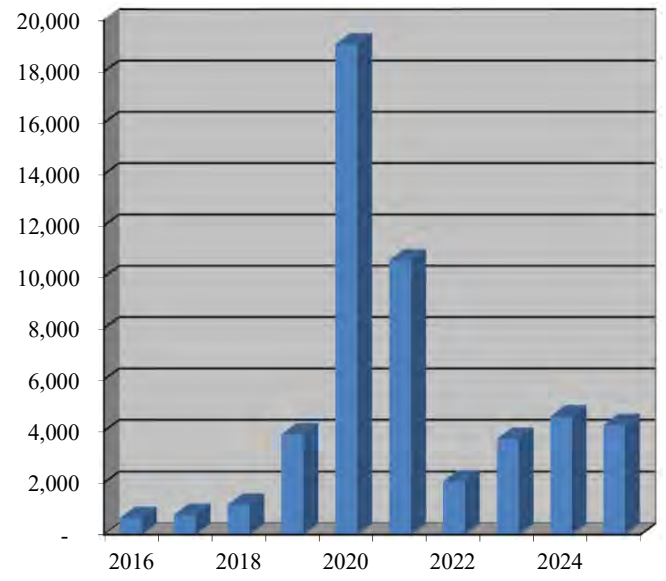
GENERAL FACILITIES and EQUIPMENT

GENERAL FACILITIES AND EQUIPMENT

FISCAL YEARS 2020-2025



Amounts in 000's



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020-2025
General Facilities and Equipment Program - Summary
(000's)

Projects	Projected FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total 6 Years 2020-2025
Community Identity Features	-	45	15	15	15	15	15	120
Community Planning	35	15	-	-	50	-	50	115
Equipment and Vehicles	1,480	750	740	980	1,495	440	595	5,000
Fire Stations	780	145	100	250	1,500	2,500	-	4,495
Library	50	50	50	50	300	350	50	850
Municipal Center	170	220	200	690	170	170	170	1,620
Park Operations Facility	-	-	-	-	100	1,020	2,530	3,650
Police Headquarters	1,285	17,765	9,175	-	-	-	-	26,940
Safety Center East	25	25	25	25	25	25	25	150
Service Center	50	50	50	50	50	50	800	1,050
Town Center Improvements	-	-	300	-	-	-	-	300
Grand Total	**3,875**	**19,065**	**10,655**	**2,060**	**3,705**	**4,570**	**4,235**	**44,290**

Source of Funds								
Capital Projects Fund	2,100	5,730	2,300	-	-	1,000	-	9,030
General Fund	-	-	115	265	1,665	2,535	845	5,425
General Fund - Unrestricted Balance	-	-	5,000	-	-	-	-	5,000
G O Bond Proceeds	-	11,050	1,950	-	-	-	2,500	15,500
Equipment Replacement Division	1,480	690	740	980	1,495	440	595	4,940
Facilities Maintenance Division	125	125	125	125	375	425	125	1,300
Inter-Governmental Sources	-	1,250	-	-	-	-	-	1,250
Municipal Center Fund	170	220	200	690	170	170	170	1,620
Private Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
ECD Fund	-	-	225	-	-	-	-	225
Grand Total	**3,875**	**19,065**	**10,655**	**2,060**	**3,705**	**4,570**	**4,235**	**44,290**

PROJECT	**Community Identity Features**	**Account #**	**311-45200-5026**
PROGRAM	**General Facilities & Equipment**	**RESPONSIBLE DEPARTMENT**	**Community Relations**

DESCRIPTION

This project provides for the installation of gateway entrance features, directional signage and other beautification improvements along the primary streets of Brentwood.

STATUS

Funding was provided in FY 2019 to add an entrance sign at the corner of Concord Road and Forest Trail, and to begin updating existing entrance signs. Since a decision on the design of new entrance signs has not yet been made, the 2019 funding is carried forward to 2020 for a total of $45,000 available for entrance signs. Funding is allocated in future years for beautification projects as identified.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering								
Construction	-	45	15	15	15	15	15	120
TOTAL EXPENDITURES	-	45	15	15	15	15	15	120
SOURCE OF FUNDS								
Capital Projects Fund	-	45						45
General Fund			15	15	15	15	15	75
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	-	45	15	15	15	15	15	120

JUSTIFICATION

The provision of community identity features is an objective in the Brentwood 2030 Plan. The goal is to provide clear, attractive and distinct features to help distinguish Brentwood from the surrounding communities.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

PROJECT	**Community Planning**	**Account #**	**311-45200-5009**
PROGRAM	**General Facilities & Equipment**	**RESPONSIBLE DEPARTMENT**	**Planning and Codes**

DESCRIPTION

This project addresses long range planning efforts of the City. This includes periodic updates to the Brentwood 2030 Comprehensive Plan which was originally adopted in 1999 and updated in 2006 and 2015. The 2030 Plan as amended provides guidance in decision-making as the community approaches projected build-out in the next 10-20 years. In addition, the City periodically conducts a special census between the normal U.S. Census to determine accurately the current population mid-decade. Other studies related to planning efforts are also included herein.

STATUS

FY 2019 funding ($50,000) was provided for a study to update the Public Works Project Fee schedule to insure the fee assessed against new development adequately funds roadway capacity enhancements needed to mitigate the impact of new development. Because completion of that project is not expected until late summer, $15,000 has been carried forward to FY 2020. Funding in FY 2023 includes $50,000 for a special census, and $50,000 has been allocated in FY 2025 for a minor update to the Brentwood 2030 Plan, if deemed necessary.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Consultant Services	35	15					50	65
Special Census					50			50
TOTAL EXPENDITURES	35	15	-	-	50	-	50	115
SOURCE OF FUNDS								
Capital Projects Fund	35	15						15
General Fund					50		50	100
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	35	15	-	-	50	-	50	115

JUSTIFICATION

The Public Works Project Fee schedule was last updated in 2007. One of the priorities indicated in the 2030 Update community survey was to insure that new development paid its appropriate share of transportation related project costs. Use of an outside firm to update the City's fee schedule will insure the revised schedule reflects current methodologies regarding appropriate cost allocations, credits, etc. and is legally defensible if challenged. Funding for periodic special censuses insures the City receives its appropriate share of state shared revenues that are distributed on a per capita basis.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:
(potential increase in PWPF revenues if a fee increase is justified)

PROJECT	**Equipment and Vehicles**	**Account # 310-43120-89520 (PW), 310-42200-89520 (Fire), 310-44400-89520 (Parks), 310-42100-89520 (Police) 311-45200-00000-5027 (Misc.)**	
PROGRAM	**General Facilities & Equipment**	**RESPONSIBLE DEPARTMENT**	**Public Works, Fire, Parks, & Police**

DESCRIPTION

The replacement of large equipment and apparatus with a value in excess of $40,000 (including fully equipped patrol cars with specialized equipment) is funded from this account. Large equipment includes fire engines / rescue vehicles, ladder trucks, brush removal trucks, and larger dump trucks. Cars, pickups, and equipment in departments other than Police less than $40,000 are purchased directly in the operating budget of each department.

STATUS

FY 2019 funded a chipper truck, grapple truck, fire engine, and eight (8) vehicles in the Police Department.

Funding in FY 2020 is proposed for fourteen (14) vehicles in the Police Department ($500,000), including eleven (11) in Patrol, one in DET, one in CID, and one in Administration. Also funded is a chipper truck ($90,000), chipper machine ($45,000), a heavy-duty pickup truck ($55,000), sickle mower ($20,000), and refurbishment of Engine 53 to be used as a spare ($40,000). The refurbishment will require a 2019 FYE transfer from General Fund excess revenues to the Capital Projects Fund. A FY 2019 year-end transfer of $190,000 will be necessary from General Fund excess revenues to the Equipment Replacement Fund due to four (4) vehicles in PD and the chipper machine being new additions to the Equipment Replacement Fund.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Public Works Vehicles/Equipment	235	190	230	285	335	50	105	1,195
Fire Pumper/Ladder	900				865			865
Parks Equipment			60	75				135
Police Vehicles	345	500	450	620	295	390	490	2,745
Misc. Equipment		60						60
TOTAL EXPENDITURES	1,480	750	740	980	1,495	440	595	5,000
SOURCE OF FUNDS								
Capital Projects Fund		60						60
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	1,480	690	740	980	1,495	440	595	4,940
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
TOTAL FUNDS	1,480	750	740	980	1,495	440	595	5,000

JUSTIFICATION

In order to minimize the financial burden of purchasing expensive equipment in a single year, annual contributions are made by the benefiting General Fund departments to the Equipment Replacement Fund. This allows for the systematic accumulation of funds over multiple years for the replacement of larger equipment needed for the safe and effective delivery of services. This approach enables the General Fund to avoid a major cash outlay in a single fiscal year and/or the issuance of long term notes or bonds to fund equipment needs.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

(routine replacement helps reduce annual maintenance and repair costs)

OFFSETTING REVENUE:

PROJECT Fire Stations **Account #** 311-45200-5018

PROGRAM General Facilities & Equipment **RESPONSIBLE DEPARTMENT** Fire Rescue

DESCRIPTION This project provides for minor expansion, renovations and other upgrades to the Brentwood fire stations, as well as planning, acquisition, and construction of a new Fire Station No. 5.

STATUS FY 2019 projects included resurfacing of the bay floors in Fire Stations 1 and 2 with a non-slip epoxy coating and site acquisition for future Fire Station 5. Funding of $85,000 in FY 2020 will resurface the bay floors in Stations 3 and 4. Also proposed are improvements and technology to create a Command Training Lab at Station 4 ($60,000). Funding for the Lab will come from Capital Projects Fund fund balance, and funding for the floor resurfacing is subject to an $85,000 2019 FYE transfer of excess revenues from the General Fund to the Capital Projects Fund. Design, construction, and apparatus acquisition for Station No. 5 on Split Log Road is funded between FY 2021 and 2024, and is expected to be funded by annual excess General Fund revenues.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Land Acquisition	700							
Architectural Services			100	250				350
Construction		45			1,500	1,750		3,295
Facility Maintenance	80	85						85
Equipment		15				750		765
TOTAL EXPENDITURES	780	145	100	250	1,500	2,500	-	4,495
SOURCE OF FUNDS								
Capital Projects Fund	780	145						145
General Fund			100	250	1,500	2,500		4,350
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	780	145	100	250	1,500	2,500	-	4,495

JUSTIFICATION

Minor expansion and renovation to the City's older fire stations is needed from time to time to improve the functionality and safety of working, living and sleeping arrangements and to extend the life of the facilities. The department's strategic plan identifies Station No. 5 as a needed facility in the vicinity of Split Log Road and Ragsdale Road to ensure appropriate response times in the growing area of the community.

PROGRAM AND FACILITY COSTS:		
Personnel Services	(six additional firefighters for Station 5)	470
Operating Expenditures		60
Debt Service		
ANNUAL OPERATING BUDGET IMPACT (000'S):		530

OFFSETTING REVENUE:

PROJECT	**Library**	**Account #**	**311-45200-5002** **312-44800-89600 (Facilities Maintenance)**
PROGRAM	**General Facilities & Equipment**	**RESPONSIBLE DEPARTMENT**	**Library**

DESCRIPTION

This project provides for improvements and extraordinary repairs to the Brentwood Library. The original 43,500 sf. facility was opened in 1998 and was expanded in the fall of 2009 to 56,000 sf. plus some of the original space was reconfigured and renovated to better meet program needs.

STATUS

Funding of $50,000 was provided in FY 2019 for unexpected repairs. Work was done to repair the exterior soffits around the perimeter of the building due to moisture intrusion ($40,000) and repairs were needed to one of the two HVAC chiller units ($10,000). A placeholder of $50,000 from the Facility Maintenance Fund is provided in FY 2020 and future years for extraordinary building maintenance items. FY 2023 includes $300,000 for replacement of the shingle portions of the roof, which were determined in 2018 to have 3 to 5 years of life remaining. FY 2024 includes $350,000 for replacement of the larger of the two chiller units that cool the building. That unit, manufactured by Trane, will be 27 years old in FY 2022 and will be at or near the end of its useful life.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Architectural Services								
Construction								
Facility Maintenance	50	50	50	50	300	350	50	850
Equipment								
TOTAL EXPENDITURES	50	50	50	50	300	350	50	850
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division	50	50	50	50	300	350	50	850
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	50	50	50	50	300	350	50	850

JUSTIFICATION

The library is the most utilized City facility on a daily basis. Improvements to the facility allows for expanded collections and programs and ensures the facility will remain a state of the art building serving the intellectual needs of patrons in the future. The roof on the original portion of the library is approximately 21 years old. The flat portions of the original roof had a preventative urethane coating applied to leak-prone areas that should extend the life of the roof an additional 5 years or more.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**(5)**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**(5)**

(chiller replacement with a more efficient unit will result in reduced operating costs)

OFFSETTING REVENUE:

PROJECT	**Municipal Center**	**Account #**	**434-16200**
PROGRAM	**General Facilities & Equipment**	**RESPONSIBLE DEPARTMENT**	**Finance**

DESCRIPTION

This project provides for general improvements, space renovations and extraordinary repairs to the Municipal Center to better meet the needs of various departments in providing service to the public and to protect the integrity of the building and property. This 30+ year old building was oversized in the beginning to allow for future expansion by City departments. In 2018, the roof received a 45-mil urethane coating that provided a 10-year warranty.

STATUS

Funding of $170,000 was provided in FY 2019 for extraordinary repairs. In 2020, a total of $220,000 is proposed, consisting of $130,000 for repaving the front parking lot and rear drive aisle, and $90,000 for extraordinary repairs. A major renovation of the Planning and Codes space ($500,000) is funded in FY 2022 in anticipation of the Police Department moving into a new headquarters facility and reprogramming of the vacated space. Design services for this renovation are programmed in FY 2021.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Construction	150	200	150	650	150	150	150	1,450
Architectural Services	20	20	50	40	20	20	20	170
Consultant Services								
TOTAL EXPENDITURES	170	220	200	690	170	170	170	1,620
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund	170	220	200	690	170	170	170	1,620
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	170	220	200	690	170	170	170	1,620

JUSTIFICATION

When the building was originally opened in 1987, the initial space configuration for departments did not plan for orderly expansion of office space for departments as the need arose. The renovation projects completed in FY 2012 greatly improved space utilization and layout within the building and provided for enhanced public service capabilities within the lobby and a state of the art emergency communications center. Further renovations, including those needed for the Planning and Codes office area and locker rooms, have been placed on hold pending transition of the Police Department to its new headquarters.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**15**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**15**

(improvements increase depreciation expense for the Municipal Center Fund)

OFFSETTING REVENUE:

PROJECT	**Park Operations Facility**	**Account #**	**311-45200-5029**
PROGRAM	**Parks and Recreation**	**RESPONSIBLE DEPARTMENT**	**Parks and Recreation**

DESCRIPTION

This project provides for site selection, design, and construction of a Park Operations Facility to house all Parks Department staff.

STATUS

FY 2018 funding provided for architecture/engineering services to assist with site selection, prepare cost estimates, and space planning for the new facility. After evaluating several possible sites on City-owned land, constructing the building adjacent to the maintenance barn at Crockett Park has been determined to be the best option. Preparation of architectural drawings is anticipated in FY 2023, with construction following in FY 2024 and 2025. A preliminary estimate of $3.5M has been established for this project.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Planning/Engineering					100	20	30	150
Buildings, Facilities, etc.						1,000	2,500	3,500
Furniture/Equipment								
Landscaping/Trees								
TOTAL EXPENDITURES	-	-	-	-	100	1,020	2,530	3,650
SOURCE OF FUNDS								
Capital Projects Fund						1,000		1,000
General Fund					100	20	30	150
General Fund (Unrestricted Balance)								
G O Bond Proceeds							2,500	2,500
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	-	-	-	-	100	1,020	2,530	3,650

JUSTIFICATION

The Parks Department operations are currently split between two facilities. The administrative offices and main staff functions, including vehicle storage, etc. are at the Service Center on General George Patton Drive, while most park equipment (mowers, etc.) is stored in an unheated maintenance barn at Crockett Park. Having all Parks Department functions more centrally located within a park creates more efficiency for the department and also frees up needed office and yard space at the Service Center.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	**45**
Debt Service	**190**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**235**

(Building operation costs including utilities, maintenance, etc.)

OFFSETTING REVENUE:

PROJECT Police Headquarters **Account #** 311-45200-5028

PROGRAM General Facilities & Equipment **RESPONSIBLE DEPARTMENT** Police

DESCRIPTION

This project provides for design and construction of a new headquarters facility for the Police Department at 940 Heritage Way. All department operations will relocate the new facility, including emergency communications. The City will also partner with Williamson County EMS to provide space for an ambulance and crew on-site.

STATUS

A space needs analysis and preliminary design were conducted in FY 2017 and 2018 for this new facility. FY 2019 funding was provided for architectural design and contract administration, which will continue into FY 2020 and 2021. Preliminary estimates indicate a $28.4M project cost, inclusive of Williamson County's $1.25M share of the EMS building. If the project proceeds as planned, construction will commence in the fall of 2019 and will take approximately 18 months. Funding anticipates a combination of $3.5M and $2.0M from excess General Fund revenues in FY 2019 and 2020, respectively, a $13M G.O. bond issue in FY 2020, allocation of $1.965M from available Capital Projects Fund fund balance and prior year allocated funding in FY 2020, utilization of $5.0M in unrestricted fund balance from the General Fund, a $1.25M contribution from Williamson County for EMS, and $225,000 from ECD for dispatch space construction.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Construction	20	17,500	9,020					26,520
Design Services	1,265	265	135					400
Consultant Services			20					20
TOTAL EXPENDITURES	1,285	17,765	9,175	-	-	-	-	26,940
SOURCE OF FUNDS								
Capital Projects Fund	1,285	5,465	2,000					7,465
General Fund								
General Fund (Unrestricted Balance)			5,000					5,000
G O Bond Proceeds		11,050	1,950					13,000
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources		1,250						1,250
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund			225					225
TOTAL FUNDS	1,285	17,765	9,175	-	-	-	-	26,940

JUSTIFICATION

When the Municipal Center building was originally opened in 1987, the initial space configuration for departments did not plan for orderly expansion of office space for departments as the need arose. Though the renovation projects completed in FY 2012 improved space utilization and layout within the building, long-term storage and office space needs for all departments will be severely challenged. Police operations are currently split, with patrol functions on the east end of the building and all other functions on the west end of the building. Security for police functions is severely lacking. Consolidation of Police department operations in a new facility would provide operational efficiencies for the department and alleviate space constraints at the Municipal Center.

PROGRAM AND FACILITY COSTS:

Personnel Services	**-**
Operating Expenditures	**400**
Debt Service	**975**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**1,375**

OFFSETTING REVENUE:

PROJECT	**Safety Center East**	**Account #**	**311-45200-5014 (Safety Center East CIP)** **312-42200-89600 (Facilities Maintenance)**
PROGRAM	**General Facilities & Equipment**	**RESPONSIBLE DEPARTMENT**	**Fire (Maintenance)**

DESCRIPTION

This project provides for maintenance and improvements to the Safety Center East which includes Fire Station #4, the Police DARE office, a community room, fire training center, Public Works salt storage building, and fuel facility.

STATUS

FY 2019 funding was provided by the Facilities Maintenance Fund and designated for extraordinary repairs. Facilities Maintenance funding in the amount of $25,000 is programmed in FY 2020 and annually thereafter for extraordinary repair projects that may arise during the year.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Design Services								
Construction / Equipment								
Facility Maintenance	25	25	25	25	25	25	25	150
TOTAL EXPENDITURES	25	25	25	25	25	25	25	150
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Fund								
Facilities Maintenance Fund	25	25	25	25	25	25	25	150
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	25	25	25	25	25	25	25	150

JUSTIFICATION

This multi-functional facility serves a variety of city and community purposes. The facility is now over 15 years old and will require periodic maintenance to insure it remains in acceptable condition.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

PROJECT	**Service Center**	**Account #**	**311-45200-5005** **312-43170-89600 (Facilities Maintenance)**
PROGRAM	**General Facilities & Equipment**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for periodic improvements to the Service Center on General George Patton Drive. The facility houses the operations for the Public Works, Parks, Water Services and Engineering departments as well as Fire Station No. 3. The site also includes the Police Department's impound lot, the chipper transfer facility, and one of the City's two salt storage facilities.

STATUS

FY 2019 allocated $50,000 for extraordinary repairs to the Service Center building and grounds. Similar funding is provided in FY 2020 and thereafter. FY 2025 includes $750,000 for interior renovations subsequent to the Parks Department relocating to a newly constructed facility. The exact timing and scope of the renovations will be determined at a later date.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Design Services							70	70
Construction							680	680
Facility Maintenance	50	50	50	50	50	50	50	300
TOTAL EXPENDITURES	50	50	50	50	50	50	800	1,050
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund							750	750
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division	50	50	50	50	50	50	50	300
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	50	50	50	50	50	50	800	1,050

JUSTIFICATION

This 26 year-old facility requires periodic repairs and improvements to ensure effective operation and to protect the City's investment.

PROGRAM AND FACILITY COSTS:

Personnel Services	**-**
Operating Expenditures	**-**
Debt Service	**-**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**-**

OFFSETTING REVENUE:

PROJECT Town Center Improvements **Account #** 311-45200-5013

PROGRAM General Facilities & Equipment **RESPONSIBLE DEPARTMENT** Public Works

DESCRIPTION This project provides funding for the purchase of land, design, and/or construction of public improvements such as street improvements, sidewalk additions, etc. within the Town Center District.

STATUS Prior to FY 2020, $1.3 million remained allocated within the Capital Projects Fund for undesignated projects within the Town Center area. With no projects identified in the previous 10 years, $1 million is proposed to be reallocated in FY 2020 to other CIP projects. Funding of $300,000 remains allocated here and is shown in FY 2021 should an appropriate project in the Town Center area be identified.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering								
Land Acquisition								
Construction			300					300
TOTAL EXPENDITURES	-	-	300	-	-	-	-	300
SOURCE OF FUNDS								
Capital Projects Fund			300					300
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	-	-	300	-	-	-	-	300

JUSTIFICATION

The City is committed to facilitating redevelopment of the Town Center area by the private sector primarily through upgrade of the public infrastructure. To date, the City has spent $3.7 million for construction of Town Center Way between Franklin Road and Wilson Pike, Pewitt Drive improvements and upgrade or relocation of water and sewer lines.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	
Debt Service	**0**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**
OFFSETTING REVENUE:	

BRENTWOOD

CITY OF

TENNESSEE

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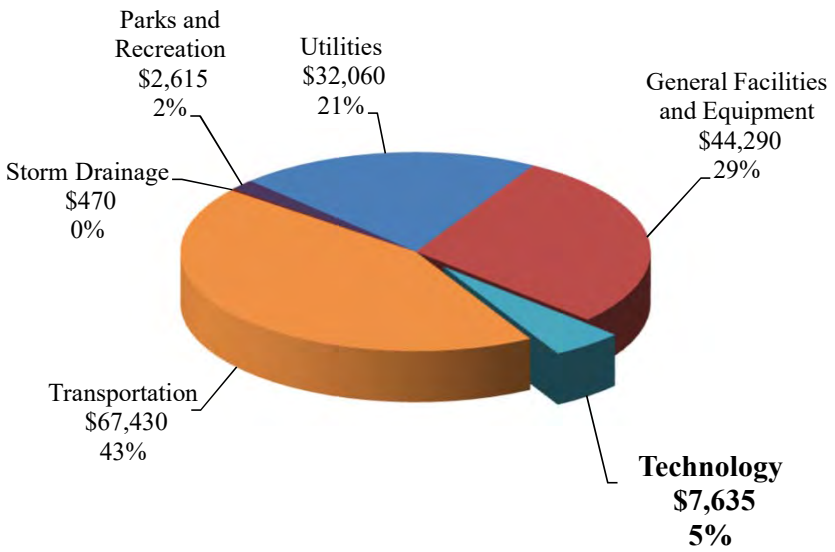
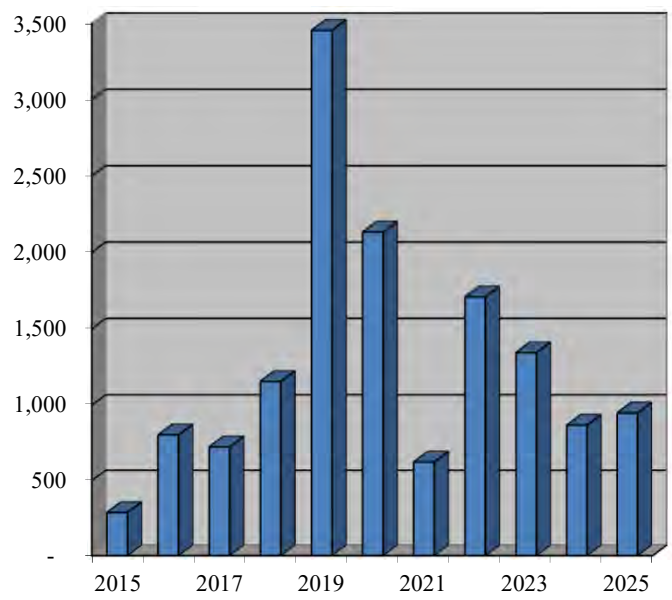
TECHNOLOGY

TECHNOLOGY

FISCAL YEARS 2020-2025



Amounts in 000's



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Technology Program - Summary
(000's)

Projects	**Projected FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**Total 6 Years 2020-25**
Computer Equipment	670	615	505	255	595	780	890	3,640
Emergency Communications Center	15	145	-	1,345	-	-	-	1,490
Fiber Network	70	100	-	85	-	-	-	185
GIS	-	-	45	-	-	75	-	120
Radio System	2,500	415	-	-	-	-	-	415
Security System	130	625	-	-	-	-	-	625
Software Systems	70	235	40	25	715	15	25	1,055
Warning Sirens	-	-	35	-	35	-	35	105
Grand Total	**3,455**	**2,135**	**625**	**1,710**	**1,345**	**870**	**950**	**7,635**

Source of Funds								
Capital Projects Fund	2,825	1,535	-	20	-	-	-	1,555
General Fund	-	-	70	65	735	45	35	950
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Equipment Replacement Division	570	600	545	280	610	795	915	3,745
Facilities Maintenance Division	-	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Municipal Center Fund	60	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	10	-	-	30	-	40
ECD Fund	-	-	-	1,345	-	-	-	1,345
Grand Total	**3,455**	**2,135**	**625**	**1,710**	**1,345**	**870**	**950**	**7,635**

PROJECT	**Computer Equipment**	**Account #**	**310-41640-89540 & 83540 (Hardware & Hardware N/C)** **434-00000-16400 (Equipment)**
PROGRAM	**Technology**	**RESPONSIBLE DEPARTMENT**	**Technology**

DESCRIPTION

This project provides for the purchase of specialized computer and communications equipment and the systematic replacement of computer hardware and equipment including desktop computers, network servers, etc. Decisions on actual replacements are based upon a comprehensive, six year replacement schedule with annual review and update by the Technology Department.

STATUS

FY 2019 funding included 24 computers in Fire; 82 computers in the Library; 9 blade servers with a new chassis; a physical domain controller server; and switches and uninterrupted power supplies. A/V equipment in the Commission Chambers was replaced, a backup server added at the Service Center, and public safety in-car wireless equipment was replaced. Funding in FY 2020 will replace 28 mobile data terminals ($72,000) between PD & FD, as well as 59 computers in various departments ($78,800). Additionally, the remaining 34 rockets (in-car wireless equipment) in the Police Department will be replaced ($75,000). The latter is subject to a 2019 FYE transfer of excess General Fund revenues to the Capital Projects Fund. Some items scheduled for replacement in FY 2020 may be delayed to FY 2021 or later if the item's performance is satisfactory.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Computer/Hardware/Equipment	525	540	505	255	595	780	890	3,565
GPS Equipment	85	75						75
Commission Chambers A/V	60							
TOTAL EXPENDITURES	670	615	505	255	595	780	890	3,640
SOURCE OF FUNDS								
Capital Projects Fund	110	75						75
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	500	540	505	255	595	780	890	3,565
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund	60							
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	670	615	505	255	595	780	890	3,640

JUSTIFICATION

In order to minimize the financial burden of purchasing expensive equipment in any single year, annual contributions are made from the operating budget of the Technology Department to the Equipment Replacement Fund. This allows for the systematic accumulation of funds over multiple years for the replacement of basic equipment needed for the continued effective and efficient delivery of services. This approach enables the General Fund to avoid a major cash outlay in a single fiscal year and/or the issuance of general obligation debt.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

(periodic replacement reduces on-going maintenance cost)

OFFSETTING REVENUE:

PROJECT	**Emergency Communications Center**	**Account #**	**450-13080**
PROGRAM	**Technology**	**RESPONSIBLE DEPARTMENT**	**Police/Fire/Technology**

DESCRIPTION

This project provides for upgrading the 911 Phone Controller, CAD software and other equipment needed to maintain a state of the art Public Safety 911 and emergency communications center.

STATUS

The majority of the CAD system replacement ($750,000) was completed in FY 2017. Of that amount, $145,000 is still retained by the City pending final acceptance of the CAD-to-CAD functionality. CAD is the Computer Aided Dispatch system that enables dispatchers to electronically coordinate public safety resources in response to emergency calls for service. Funding in FY 2022 will be needed to relocate the existing emergency communications center to the new Police Headquarters facility on Heritage Way. This consists of new dispatch radio consoles ($600,000) and logging recorder ($50,000), and acquisition of new networking and other equipment ($125,000). Additionally, $450,000 will be needed for a new 911 Phone System due to the existing system having reached the end of its useful life. Budgeted numbers below include a 10% contingency.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Architecture/Engineering								
Electrical/Generator								
Computer Equipment				850				850
Communication Equipment				495				495
Computer Software	15	145						145
Construction								
TOTAL EXPENDITURES	15	145	-	1,345	-	-	-	1,490
SOURCE OF FUNDS								
Capital Projects Fund	15	145						145
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund			-	1,345				1,345
TOTAL FUNDS	15	145	-	1,345	-	-	-	1,490

JUSTIFICATION

The emergency communications center is the critical first link for effective delivery of public safety services in Brentwood. A sufficiently sized and secured work space with state of the art computer, radio and telephone systems is essential for quick, effective and accurate processing of 911 telephone and radio calls and to minimize paperwork and duplicate records keeping.

PROGRAM AND FACILITY COSTS:		
Personnel Services		
Operating Expenditures	**(ECD Fund)**	**0**
Debt Service		
		0

OFFSETTING REVENUE:

PROJECT Fiber Network **Account #** 311-45300-6005

PROGRAM Technology **RESPONSIBLE DEPARTMENT** Technology

DESCRIPTION

This program provides for the expansion of the City's fiber optic network which serves both data and voice needs for City operations as well as the traffic signal synchronization system/traffic operations center.

STATUS

Funding in FY 2019 provided for fiber to be installed in existing TDOT conduit along I-65 to complete the Northern Loop project. Funding is shown in FY 2020 ($100,000) for a fiber run that will connect the new Police Department headquarters site on Heritage Way to the existing fiber on Concord Road and along I-65.

FY 2022 funding provides for extension of the fiber network along Franklin Road between Concord Road and Moore's Lane following completion of the Franklin Road widening project ($85,000). Installation of conduit for underground routing of the fiber is part of the Franklin Road project.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering		15		10				25
Construction	70	85		75				160
TOTAL EXPENDITURES	70	100		85	-	-	-	185
SOURCE OF FUNDS								
Capital Projects Fund	70	100		20				120
General Fund				65				65
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	70	100	-	85	-	-	-	185

JUSTIFICATION

The City-owned fiber optic network allows for quicker and more secure voice and data communication between city facilities. Continued expansion of the network to create loops provides redundancy in case of damage to lines and disruption of normal service. Dual connection paths to the new Police headquarters and 911 dispatch center is vital to ensure this important public safety facility stays connected to the City's network.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures (net)	**10**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**10**

(pole attachment fees to utilities)

OFFSETTING REVENUE:

PROJECT GIS **Account #** 311-45300-6008

PROGRAM Technology **RESPONSIBLE DEPARTMENT** Technology

DESCRIPTION This project provides for periodic updates to the City's computerized mapping system and aerial photography of the community. The City works closely with Williamson County and the City of Franklin to partner in the work when possible, thereby reducing the cost for all jurisdictions.

STATUS Funding is provided in 2021 for an interim update of aerial photography, and in 2024 for an update of both aerial photography and planimetrics.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
GIS			45			75		120
TOTAL EXPENDITURES	-	-	45	-	-	75	-	120
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund			35			45		80
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund			10			30		40
ECD Fund								
TOTAL FUNDS	-	-	45	-	-	75	-	120

JUSTIFICATION

The GIS system is a key component for carrying out many daily activities of the City, including 911 dispatch, water and sewer services, and planning/development activities. Periodic updates to the base mapping data to account for new development and redevelopment activities is critical to the overall accuracy and effectiveness of the GIS system for users.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

PROJECT	**Radio System**	**Account #**	**311-45300-6004**
PROGRAM	**Technology**	**RESPONSIBLE DEPARTMENT**	**Technology**

DESCRIPTION

This project provides for upgrades and expansion of the City's radio communication system that serves the Police and Fire Departments and Service Center Departments including Water & Sewer and Public Works.

STATUS

The new regional public safety radio system became operational for Brentwood in late February 2019 and is functioning well. The cost of Brentwood's share of the system is $4.8 million, including a portion of the cost for a county tower in the Nolensville area needed to provide sufficient coverage in the eastern portion of Brentwood. Special year-end transfers from 2013 to 2017 pre-funded the $4,800,000 needed for this project. Funding in FY 2019 provided funding for project completion, except for final system coverage testing, and replacement of the City's legacy non-public safety radios with Motorola radios ($600,000). FY 2020 funding provides for the final system payment following final coverage testing and acceptance in late calendar year 2019, and the purchase of three (3) additional radios for the Parks Department.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering								
Equipment	2,500	415						415
Construction								
TOTAL EXPENDITURES	2,500	415	-	-	-	-	-	415
SOURCE OF FUNDS								
Capital Projects Fund	2,500	415						415
General Fund								
General Fund (Unrestricted Balance)								
G.O. Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	2,500	415	-	-	-	-	-	415

JUSTIFICATION

Despite technology advances in recent years with alternative forms of communication, the standard radio system remains the City's primary method of communication by employees in the field. It is also the most reliable communications system between departments during an emergency event or disaster when immediate communication is essential and cell phones and other forms of technology are overwhelmed though use by the general public. Interoperable communications with surrounding jurisdictions in both Williamson and Davidson counties is an essential component of effective delivery of public safety services given Brentwood's location between Nashville and Franklin. The opportunity to join with Williamson County and Franklin in development of a countywide system via expansion of Franklin's existing system and concurrently integrating systems with Metro Nashville provides a great opportunity to cost effectively upgrade the City's public safety communication systems and provide seamless communication across Williamson and Davidson counties.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	**400**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**400**

(New system would require annual maintenance fees, beginning in FY 2019 plus replacement reserves for radio units)

OFFSETTING REVENUE:

PROJECT Security System **Account #** 311-45300-6016

PROGRAM Technology **RESPONSIBLE DEPARTMENT** Technology

DESCRIPTION

This project provides for the replacement of the City's 17 year-old access card security system, as well as other security enhancements at City facilities. The programmable ID card system allows the City to authorize individual employees to access those facilities and work areas necessary to perform their job functions. This legacy system is no longer supported by the manufacturer and spare parts are becoming difficult to acquire. Also, recent crime activity at parks, etc. has necessitated the need for additional surveillance devices at certain location in or adjacent to heavily used parking lots.

STATUS

Funding in FY 2019 will be carried forward to FY 2020 to replace the ID card software system and all card-swipe hardware ($325,000). This will include 99 swipe pads at various city facilities. Parking lot security improvements, including cameras and other systems, were funded in FY 2019 and additional funding is provided in FY 2020 ($300,000) for expansion to additional parks and possibly major thoroughfares. A portion of the funding needed to complete this project in FY 2020 ($300,000) is subject to a FY 2019 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Card-Swipe Secure Access System		325						325
Park Entrance Security Cameras	130	300						300
TOTAL EXPENDITURES	130	625	-	-	-	-	-	625
SOURCE OF FUNDS								
Capital Projects Fund	130	625						625
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	130	625	-	-	-	-	-	625

JUSTIFICATION

Access security to City facilities is a necessity of municipal operations. Having card-swipe access available at key locations provides greater efficiency and accountability than could be provided with any other system. Because the current system is no longer supported by the manufacturer, replacement is required. Enhanced security in the most-used city park parking lots and thoroughfares will assist with the crime fighting efforts of the police department.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**45**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**45**
OFFSETTING REVENUE:	

PROJECT	**Software Systems**	**Account #**	**311-45300-6002(GEMS), 6006 (specialized software), 6011 (Website), 310-41640-89550 (ERF)**
PROGRAM	**Technology**	**RESPONSIBLE DEPARTMENT**	**Technology**

DESCRIPTION

This project provides for the implementation and/or replacement of basic software required for city-wide operating systems and specialized departmental software to better handle day to day work tasks. For example, specialized software would include general ledger and payroll systems, codes and development tracking, court management, agenda management, website, etc.

STATUS

FY 2019 funding provided for replacement of Blade server and PC operating systems. A work order system ($50,000) for the Public Works Department in FY 2019 is carried-forward to FY 2020. Also proposed in FY 2020 is Planning and Codes specialty software ($125,000), subject to a FY 2019 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund. Blade server OS's will be replaced over a 3-year period. Funding in 2023 is programmed for potential replacement of the City's enterprise accounting software package known as GEMS ($700,000). The actual cost of that software will depend on whether the system can be upgraded by the current vendor, or a new software package must be acquired. Future funding is provided for miscellaneous software licensing.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Miscellaneous Software	25	15	15	25	15	15	25	110
Specialized Department Software		175						175
Finance Software					700			700
Blade Server Operating Systems	45	45	25					70
TOTAL EXPENDITURES	70	235	40	25	715	15	25	1,055
SOURCE OF FUNDS								
Capital Projects Fund		175						175
General Fund					700			700
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	70	60	40	25	15	15	25	180
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	70	235	40	25	715	15	25	1,055

JUSTIFICATION

In an effort to maximize effective and efficient use of computer technology, the implementation of the latest computer operating systems and specialized software is essential. Such systems provide the ability to better coordinate information flow, automate manual processes, and provide more timely, accurate and useful information to citizens and improved service delivery. Specialized software systems, while significant in cost on the front-end, normally have a useful life span of 10+ years.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**40**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**40**
OFFSETTING REVENUE:	

PROJECT Warning Sirens **Account #** 311-45300-6001

PROGRAM Technology **RESPONSIBLE DEPARTMENT** Technology

DESCRIPTION This project provides for periodic expansion of the City's outdoor emergency warning siren system as needed to fill any gaps in coverage area and to serve newly developed areas.

STATUS No new locations for additional sirens have been identified at this time. Periodic funding is provided in future years for expansion or replacement sirens as may be needed.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Warning Siren			35		35		35	105
TOTAL EXPENDITURES	-	-	35	-	35	-	35	105
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund			35		35		35	105
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	-	-	35	-	35	-	35	105

JUSTIFICATION

The City's outdoor warning system is an important public safety protection tool when turbulent weather occurs in the Middle Tennessee region. Expansion of the system is done as needed to fill any coverage gaps identified through periodic testing as well as to serve new areas as development occurs.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	**1**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**1**

OFFSETTING REVENUE:

BRENTWOOD

CITY OF

TENNESSEE

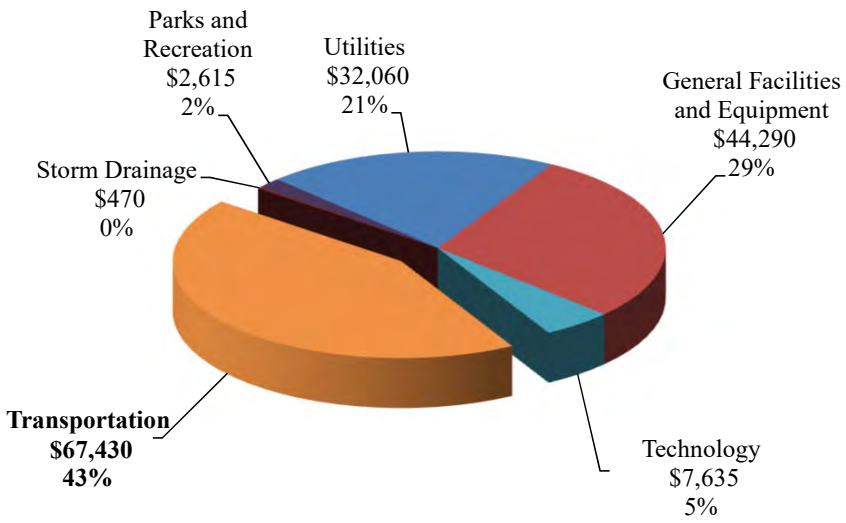
1969

ARDENS FIDE

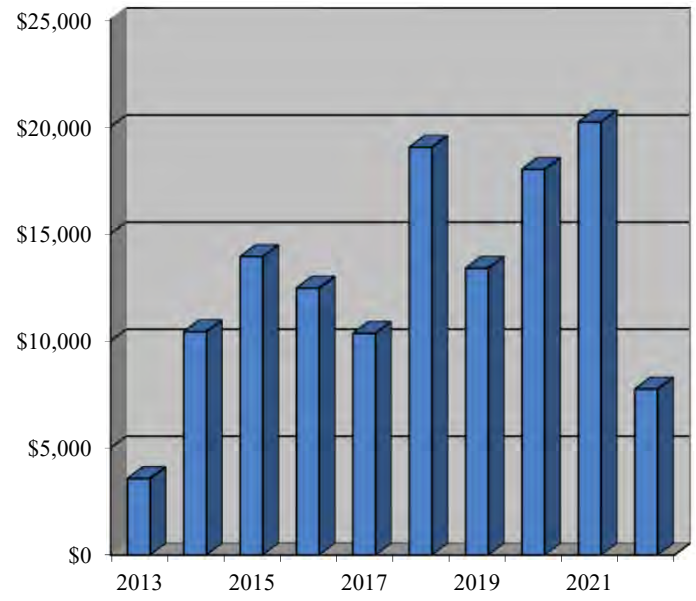
TRANSPORTATION

TRANSPORTATION

FISCAL YEARS 2020-2025



Amounts in 000's



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Transportation - Summary
(000's)

Projects	Projected FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total 6 Years 2020-2025
ADA Retrofits	-	100	200	200	200	-	-	700
Bike and Pedestrian	215	1,190	350	350	350	350	350	2,940
Bridges	95	285	-	-	-	-	-	285
Crockett Road	145	-	-	-	-	-	-	-
Franklin Road - South	7,010	7,650	7,000	3,500	-	-	-	18,150
McEwen Drive	-	-	9,200	-	630	-	-	9,830
Ragsdale Road	-	-	-	1,000	6,900	3,000	1,000	11,900
Split Log Road	230	-	-	-	-	-	-	-
Street Lighting	-	-	20	20	20	20	20	100
Street Resurfacing	2,300	2,300	2,400	2,500	2,600	2,700	2,800	15,300
Sunset Road	1,930	5,880	870	-	-	-	-	6,750
Sunset-Ragsdale Realignment	1,220	200	-	-	-	-	-	200
Traffic Signal Upgrades	245	400	175	175	175	175	175	1,275
Grand Total	**13,390**	**18,005**	**20,215**	**7,745**	**10,875**	**6,245**	**4,345**	**67,430**

Source of Funds

Capital Projects Fund	2,435	5,780	3,570	-	-	-	-	9,350
General Fund	760	800	1,495	2,495	3,495	3,295	2,295	13,875
General Fund - Unrestricted Balance	-	-	6,000	-	-	-	-	6,000
G O Bond Proceeds	-	-	-	-	4,900	-	-	4,900
Facilities Maintenance Division	-	100	50	50	50	50	50	350
Private Sources	25	75	-	-	630	-	-	705
Public Works Project Fund	1,930	2,750	500	-	-	1,000	-	4,250
Inter-Governmental Sources	7,000	7,000	7,000	3,500	-	-	-	17,500
State Street Aid Fund	1,240	1,500	1,600	1,700	1,800	1,900	2,000	10,500
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	**13,390**	**18,005**	**20,215**	**7,745**	**10,875**	**6,245**	**4,345**	**67,430**

PROJECT	**ADA Retrofits**	**Account #**	**311-43100-1043**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for modifications to intersection curb ramps, pedestrian signals, sidewalks, municipal parking lots, and other facilities that may be identified as needing improvement by the City's Americans with Disabilities Act Transition Plan. The goal of the Transition Plan is to maximize the safety and usability of Brentwood's facilities for those with disabilities.

STATUS

The ADA Transition Plan is being developed now and will be complete by the end of CY 2019. New retrofit projects will begin on a highest-priority-first basis in FY 2020 and will continue until all infrastructure projects on the list have been completed. Tentative funding ($700,000) is shown in FY 2020 - FY 2023 for implementation of the identified improvements. FY 2020 funding ($100,000) is subject to a FY 2019 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering								
Right of Way Acquisition								
Utility Relocation								
Construction		100	200	200	200			700
TOTAL EXPENDITURES	-	100	200	200	200	-	-	700
SOURCE OF FUNDS								
Capital Projects Fund		100						100
General Fund			200	200	200			600
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	-	100	200	200	200	-	-	700

JUSTIFICATION

The Americans with Disabilities Act, enacted in 1993, requires that individuals with disabilities are not excluded from programs, services, and activities. Title II agencies, such as TDOT, counties, and cities, are required to develop ADA Transition Plans. The City of Brentwood's plan will establish a local ADA Coordinator, public notice requirements, and grievance procedures, as well as identifying barriers to access. A schedule for correcting the barriers and funding mechanisms will also be established.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

(When fully completed)

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

PROJECT	**Bike and Pedestrian**	**Account #**	**311-43100-1001**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Parks/Recreation**

DESCRIPTION

This project provides for the extension of off-road bikeways, bike lanes, and sidewalks in the City to connect city parks, neighborhoods, schools and other primary points of interest. This project is in addition to separated bikeway segments that are included as part of certain new roadway projects. This project also provides for the periodic repaving of older trail sections.

STATUS

FY 2019 projects included a developer funded trail connection along Crockett Rd. from the Witherspoon subdivision across the front of the Somerset subdivision and a sidewalk extension into Somerset, a sidewalk extension across one privately owned tract adjacent to Jordan Elementary school to facilitate access from the Tuscany Hills subdivision, sidewalk repair in the Montclair subdivision, and engineering work on the Maryland Way greenway trail.

FY 2020 funding ($920,000) is programmed for construction of the initial phase of the Maryland Farms Greenway Trail. FY 2020 also includes $150,000 for other bike and pedestrian system expansion, and $100,000 for asphalt overlay of existing trail segments as needed. Recurring funding of $350,000 is provided in future years for expansion and overlays. A portion of FY 2020 funding ($300,000) is subject to a FY 2019 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	85	40	20	20	20	20	20	140
Right of Way Acquisition								
Utility Relocation								
Construction	130	1,150	330	330	330	330	330	2,800
TOTAL EXPENDITURES	215	1,190	350	350	350	350	350	2,940
SOURCE OF FUNDS								
Capital Projects Fund	190	1,090						1,090
General Fund			300	300	300	300	300	1,500
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		100	50	50	50	50	50	350
Private Sources	25							
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	215	1,190	350	350	350	350	350	2,940

JUSTIFICATION

Bikeway improvements are a high priority in the Brentwood 2030 Plan. It allows the community to become more pedestrian oriented and provides an alternative to vehicular travel between key destinations such as parks, schools, library, etc. The pathways also provide recreational opportunities for residents and enhances the desirability of neighborhoods and overall quality of life in Brentwood. The ultimate goal is to have a City-wide bikeway system consisting of both off-road trails and on-road bike lanes as well as an expanded sidewalk network.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**5**
Debt Service	
(When fully completed)	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**5**

OFFSETTING REVENUE:

PROJECT	**Bridges**	**Account #**	**311-43100-0000-1052**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for substantial repairs and maintenance to roadway and pedestrian bridges owned by the City of Brentwood.

STATUS

An engineering assessment of the bridge on Wildwood Valley Drive over the Little Harpeth River revealed deterioration of the bridge deck surface and minor erosion around the abutments. A construction contract has been awarded, with construction expected to begin in July and be complete by late fall of this year. The total cost of the project, including engineering design services, is $380,000. A portion of the funding needed to complete this project in FY 2020 ($75,000) is subject to a FY 2019 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	35	5						5
Right of Way Acquisition								
Utility Relocation								
Construction	60	280						280
TOTAL EXPENDITURES	95	285	-	-	-	-	-	285
SOURCE OF FUNDS								
Capital Projects Fund	95	285						285
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	95	285	-	-	-	-	-	285

JUSTIFICATION

The structural integrity of the City's roadway and pedestrian bridges is of paramount importance to public safety. Additionally, many of the City's bridges support water and/or sewer utility mains that are attached to the underside. As these facilities age, periodic inspection and maintenance is required to ensure the structures are sound and to extend the life of the assets.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	
Debt Service	**0**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

PROJECT	**Crockett Road**	**Account #**	**311-43100-1042**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for improvements to Crockett Road, an arterial road that serves as the primary access route for several subdivisions, two schools, and Crockett Park. Installation of a roundabout at the intersection with Green Hill Blvd. and Raintree Parkway was the most recently completed project.

STATUS

Construction of the roundabout began in the fall of 2017 and was completed in summer of 2018. The FY 2019 funding reflected below represent final payments to the construction contractor.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering								
Right of Way Acquisition								
Utility Relocation								
Construction	145							
TOTAL EXPENDITURES	145	-	-	-	-	-	-	-
SOURCE OF FUNDS								
Capital Projects Fund	145							
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	145	-	-	-	-	-	-	-

JUSTIFICATION

Crockett Road is an arterial road that serves residential subdivisions, schools, churches, and parks. Peak-hour traffic volumes create congestion at various intersections. Improvements are needed to allow traffic to flow better and improve safety.

PROGRAM AND FACILITY COSTS:

Personnel Services		
Operating Expenditures	**(landscape maint. and utility costs)**	**2**
Debt Service		**0**
ANNUAL OPERATING BUDGET IMPACT (000'S):		**2**

OFFSETTING REVENUE:

PROJECT	**Franklin Road - South**	**Account #**	**311-43100-1016**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for the widening of 2.2 miles of Franklin Road from West Concord Road south to Moores Lane. The proposed improvements include a curb and gutter section with four (4) driving lanes plus a continuous center turn lane. In addition, the project will include a 10 ft. wide separated bikeway/walkway on the east side of the road built about 5 feet behind the curb.

STATUS

The City paid for engineering and a portion of ROW acquisition with TDOT paying for utility relocations and construction cost. Construction began in fall of 2017 and is expected to be substantially complete by December 2021, with final completion in April 2022. City funding ($650,000) continues to be reflected as a reserve for future settlement of the few remaining ROW condemnation cases. City utility relocation costs will be approximately $2.4 million, of which about 85% should be reimbursed from TDOT.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering								
Right of Way Acquisition	10	650						650
Utility Relocation								
Construction	7,000	7,000	7,000	3,500				17,500
TOTAL EXPENDITURES	7,010	7,650	7,000	3,500	-	-	-	18,150
SOURCE OF FUNDS								
Capital Projects Fund	10	650						650
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources	7,000	7,000	7,000	3,500				17,500
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	7,010	7,650	7,000	3,500	-	-	-	18,150

JUSTIFICATION

Improvement of this major north/south arterial route running parallel to and west of I-65 is a high priority in the City's Major Thoroughfare Plan and the Brentwood 2030 Plan. The widening will be needed to handle the projected future traffic demand and to reduce delays between the north Brentwood area and Cool Springs area. When completed, all sections of Franklin Road inside the City limits will be a 5 lane roadway section.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**10**
Debt Service	
(Expected ROW mowing, street sweeping, and trail maintenance expenses)	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**10**

OFFSETTING REVENUE:

PROJECT	**McEwen Drive**	**Account #**	**311-43100-1033**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for the City's payment to the City of Franklin for Brentwood's proportionate share of design engineering and construction of the proposed extension of McEwen Drive in Franklin from Wilson Pike to the Taramore subdivision, pursuant to the 2011 amended agreement between the cities of Brentwood and Franklin and subsequent litigation with adjacent developers. The City of Franklin is to complete the construction within 24 months of receipt of the required funds from Brentwood. Extension of the road through the Taramore subdivision will be undertaken by the City and funded via a developer contribution.

STATUS

Timing of this project is contingent upon McEwen Drive improvements in the City of Franklin from the intersection of Cool Springs Blvd east to Wilson Pike. Proposed funding sources at this time include $3.2 million in available funds within the Capital Projects Fund that were previously allocated for the Sunset Road/Ragsdale Road intersection project and an approximately $6.0 million draw down from the undesignated General Fund reserve balance.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering								
Right of Way								
Utility Relocation								
Construction			9,200		630			9,830
TOTAL EXPENDITURES	-	-	9,200	-	630	-	-	9,830
SOURCE OF FUNDS								
Capital Projects Fund			3,200					3,200
General Fund								
General Fund (Unreserved Balance)			6,000					6,000
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources					630			630
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	-	-	9,200	-	630	-	-	9,830

JUSTIFICATION

The extension of McEwen Drive has been identified as a priority in the Brentwood 2030 Plan. Completion of this roadway section in the future would provide a direct link from the new I-65 interchange to the Taramore subdivision. When this section is built, it opens the possibility of further extension to Pleasant Hill Road and Clovercroft Road, providing an alternative east/west route for traffic from Nolensville & Smyrna to reach the Cool Springs area. Such an extension would help relieve traffic flow on Brentwood streets such as Concord Road, Crockett Road, Moores Lane, Split Log Road, etc.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

PROJECT	**Ragsdale Road**	**Account #**	**311-43100-1050**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for the widening of Ragsdale Road between the intersection with Split Log Road and the Glen Ellen subdivision. The widened roadway would be 3-lane curb and gutter road with a center turn lane and intermittent raised median. A 10-foot bike/pedestrian path behind a 5-foot grass strip would also be included.

STATUS

The cost of this project is currently programmed at $11.9 million. Funding is planned in FY 2022 for design of this project ($1.0 million), with right-of-way acquisition ($1.0 million) and construction ($9.9 million) beginning in FY 2023. Project completion is expected by the end of FY 2025. Funding is provided by a combination of annual General Fund excess revenues being transferred to the Capital Projects Fund in fiscal years 2022 through 2024, a proposed $4.9 million general obligation bond issue in FY 2023, and $1.0M from the Public Work Project Fund. Note that this project is conceptual only at this point with no engineering work completed, so costs will likely need to be adjusted as project implementation begins.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering				1,000	200	100	100	1,400
Right of Way Acquisition					1,000			1,000
Utility Relocation								
Construction					5,700	2,900	900	9,500
TOTAL EXPENDITURES	-	-	-	1,000	6,900	3,000	1,000	11,900
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund				1,000	2,000	2,000	1,000	6,000
General Fund (Unrestricted Balance)								
G O Bond Proceeds					4,900			4,900
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund						1,000		1,000
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	-	-	-	1,000	6,900	3,000	1,000	11,900

JUSTIFICATION

Increasing traffic in southeast Brentwood, both from developments within city limits and from areas east and south of Brentwood, is causing this previously low-volume rural roadway to become more heavily traveled. The current design of the roadway in terms of right-of-way width, shoulders, and horizontal/vertical curves necessitates eventual improvements to accommodate the increased volume and provide for safe passage of motorists.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	**10**
Debt Service	**370**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**380**

OFFSETTING REVENUE:

PROJECT	**Split Log Road**	**Account #**	**311-43100-1044**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for improvements to Split Log Road, including the three-way intersection at Split Log Road and Ragsdale Road. This intersection experienced significant delays during peak traffic periods when operating as a three-way stop, which would have only be exacerbated by the fall 2018 opening of Jordan Elementary, as well as the eventual opening of a middle school at the same location. Phase 1 of the needed improvements signalized the intersection. If needed, possible future Phase 2 improvements include adding a second westbound turn lane with a westbound merge lane added south of the intersection.

STATUS

Signalization of the intersection and extension of the City's fiber optic network to the new traffic signal at Pleasant Hill Road was completed in fall of 2018. The timing of and need for Phase 2, which includes the new westbound turn and merge lanes, will be determined after the effect of the Phase 1 improvements on traffic congestion in the peak hours is observed after the middle school is built out.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering								
Right of Way Acquisition								
Utility Relocation								
Construction	230							
TOTAL EXPENDITURES	230	-	-	-	-	-	-	-
SOURCE OF FUNDS								
Capital Projects Fund	230							
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	230	-	-	-	-	-	-	-

JUSTIFICATION

Split Log Rd. is an important east/west arterial road in the southeast section of the City. This area is experiencing significant residential development and will also be impacted by the new schools planned at the intersection with Pleasant Hill Road. This road is becoming an alternative route to Moores Lane in reaching the Cool Springs area via McEwen Drive (from Wilson Pike west to Cool Springs Blvd and I-65).

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures (electricity, minor signal maintenance)	**1**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**1**
OFFSETTING REVENUE:	

PROJECT	**Street Lighting**	**Account #**	**110-43160-89505** **311-43100-1030**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This program provides for the installation of new and/or improved roadway lighting and other associated upgrades, primarily along arterial or collector roads and within the commercial districts.

STATUS

No project has been identified for FY 2020. Future funding is allocated for projects if and when they are identified. Potential future projects include retrofitting existing street lights to LED fixtures. Pricing is expected to improve as more cities implement LED street lights and more suppliers enter the market.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Construction			20	20	20	20	20	100
TOTAL EXPENDITURES	-	-	20	20	20	20	20	100
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund			20	20	20	20	20	100
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	-	-	20	20	20	20	20	100

JUSTIFICATION

This program provides for the incremental enhancement of street lighting capabilities in high traffic areas of the city to improve driver and pedestrian safety and meet other beautification objectives. Lighting under this program typically requires underground electric service and is separate from the periodic installation of new cobra head lights on existing power poles.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

PROJECT	**Street Resurfacing**	**Account #**	**121-43120-82640**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for the annual resurfacing of City streets under the City's pavement management system. The actual streets are determined in accordance with an annual field assessment which prioritizes resurfacing based on the need for repairs.

STATUS

With the gas tax increase included in the passage of the IMPROVE Act during the 2017 session of the TN General Assembly, local governments will see an increase in state shared gas tax revenues. Brentwood's share, when the gas tax increase in fully implemented in FY 2020, is estimated at approximately $400,000 annually. Added to this will be approximately an additional $100,000 annually due to the projected 2018 special census. This additional revenue will provide a much needed funding boost towards the City's street resurfacing program over the next 6 years without continued one-time transfers from the General Fund.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Professional Services								
Construction	2,300	2,300	2,400	2,500	2,600	2,700	2,800	15,300
TOTAL EXPENDITURES	2,300	2,300	2,400	2,500	2,600	2,700	2,800	15,300
SOURCE OF FUNDS								
Capital Projects Fund	300							
General Fund	760	800	800	800	800	800	800	4,800
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund	1,240	1,500	1,600	1,700	1,800	1,900	2,000	10,500
Water and Sewer Fund								
TOTAL FUNDS	2,300	2,300	2,400	2,500	2,600	2,700	2,800	15,300

JUSTIFICATION

Increased annual funding is essential for the City to meet its goal of resurfacing all City streets every 20 years. The use of a pavement management system and systematic annual funding increases for this program help reduce routine maintenance and repairs to City streets.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**10**
Debt Service	
(annual resurfacing helps reduce routine maintenance expenses)	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**10**

OFFSETTING REVENUE:

PROJECT	**Sunset Road (Concord to Ragsdale)**	**Account #**	**311-43100-1051**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for the widening of Sunset Road from Concord Road to the new bridge north of Ragsdale Road. The improvements would include a 3-lane curb and gutter cross-section with a 10-foot wide multi-use path on the west side.

STATUS

The total projected cost is $8.9 million, to be funded through a combination of Public Works Project Fees ($5,250,000) allocated over three years, $1,000,000 in savings from the recently completed Sunset Road/Ragsdale Road intersection realignment project, and $2,580,000 in year-end excess revenue transfers from the General Fund to the Capital Projects Fund over a four year period, including $450,000 in FY 2019. Construction is set to begin in the spring of 2019, and is expected to be complete by fall of 2020.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	180	150	75					225
Right of Way Acquisition	450	100						100
Utility Relocation	300	830						830
Construction	1,000	4,800	795					5,595
TOTAL EXPENDITURES	1,930	5,880	870	-	-	-	-	6,750
SOURCE OF FUNDS								
Capital Projects Fund		3,130	370					3,500
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund	1,930	2,750	500					3,250
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	1,930	5,880	870	-	-	-	-	6,750

JUSTIFICATION

Sunset Road is an important arterial road in east Brentwood given the growth in residential neighborhoods in this area and the presence of Sunset Elementary and Middle schools just east of Waller. With the 2018 completion of the Sunset Road/Ragsdale Road intersection realignment project, this section of Sunset Road up to Concord Road is the next needed widening project.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**3**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**3**

OFFSETTING REVENUE:

PROJECT	**Sunset-Ragsdale Realignment**	**Account #**	**311-43100-1027**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION **This project provides for realignment of the dangerous intersection with Ragsdale Road which is the site of frequent vehicular accidents.**

STATUS **Construction on this project began spring of 2017 and was complete in fall of 2018. FY 2020 funding is programmed to provide a reserve for settlement of remaining right of way condemnation cases for this project.**

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	60							
Right of Way Acquisition	5	200						200
Utility Relocation								
Construction	1,155							
TOTAL EXPENDITURES	1,220	200	-	-	-	-	-	200
SOURCE OF FUNDS								
Capital Projects Fund	1,220	200						200
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds / Cap. Outlay Notes								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	1,220	200	-	-	-	-	-	200

JUSTIFICATION

Sunset Road is an important arterial road in east Brentwood given the growth in residential neighborhoods in this area and the presence of Sunset Elementary and Middle schools just east of Waller. The Sunset Road connection to Ragsdale Road provides an important route to Wilson Pike, Ravenwood High School, and eventually to Cool Springs, and serves to relieve some traffic on Concord Road.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**3**
Debt Service	**355**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**358**
OFFSETTING REVENUE:	

PROJECT	**Traffic Signal Upgrades**	**Account #**	**311-43100-1007**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for the installation of new traffic signals with mast arm poles and underground wiring, repair and upgrades to existing signal installations and equipment, and signal synchronization studies.

STATUS

FY 2019 funding was provided to finish the Ethernet switch replacement, replacement of video detection at Wilson Pike and Crockett Road, and acquisition of a spare system, battery backups at seven intersections. Design was also done in FY 2019 for the signal at Fountainhead and Franklin Road.

A total of $350,000 is proposed for FY 2020 traffic signal improvements. Completion of the Fountainhead signal is funded at $275,000, $75,000 of which is provided by the developer of the Oman property. Another $75,000 is proposed for equipment, which includes video detection units at the intersections of Granny White/Belle Rive Drive, Granny White/Murray, and Franklin/Williamsburg, and a spare traffic signal cabinet (including controller, malfunction management unit, etc.). FY 2020 funding ($275,000) is subject to a FY 2019 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	75							
Equipment Upgrades	170	75	175	175	175	175	175	950
Extraordinary Repairs								
Construction		325						325
TOTAL EXPENDITURES	245	400	175	175	175	175	175	1,275
SOURCE OF FUNDS								
Capital Projects Fund	245	325						325
General Fund			175	175	175	175	175	875
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources		75						75
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	245	400	175	175	175	175	175	1,275

JUSTIFICATION

Efficient operation of traffic signals represents one of the most cost effective methods for improving traffic flow within the City. Insuring that signal equipment is upgraded when necessary and that signal capabilities are maximized through improved technologies is a key component to addressing traffic concerns. Also, continued growth in the City and surrounding areas will likely require additional signals in the future at warranted intersections.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	10
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	10

OFFSETTING REVENUE:

BRENTWOOD

CITY OF

TENNESSEE

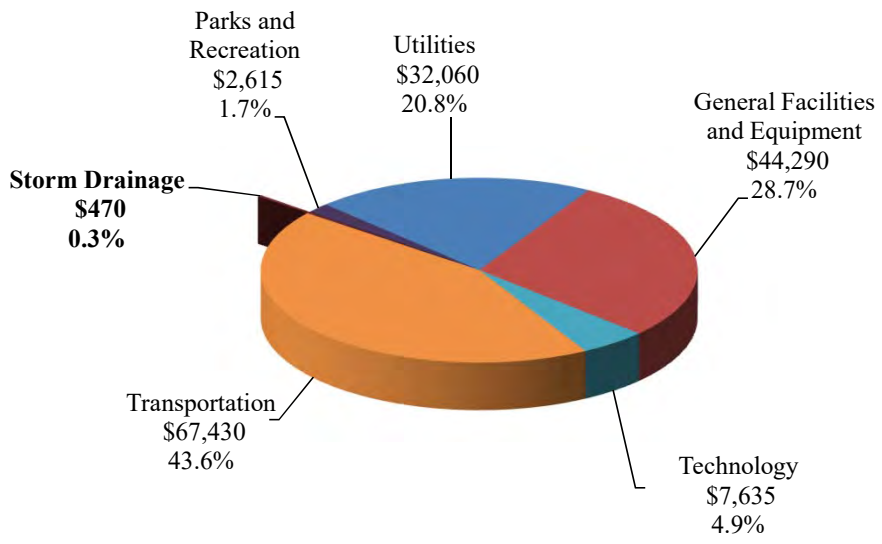
1969

ARDENTI·FIDE

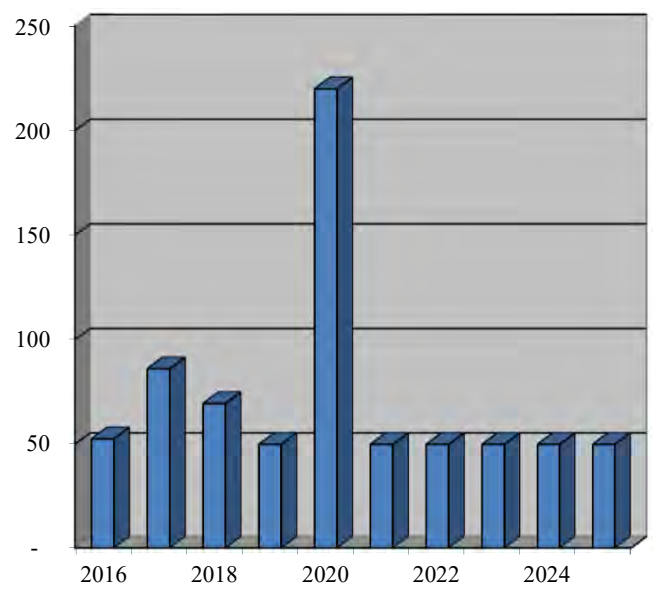
STORM DRAINAGE

STORM DRAINAGE

FISCAL YEARS 2020-2025



Amounts in 000's



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Storm Drainage Program - Summary
(000's)

Projects	**Projected FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**Total 6 Years 2020-2025**
Derby Glen	-	120	-	-	-	-	-	120
Shenandoah Drive	-	50	-	-	-	-	-	50
Subdivision Drainage	50	50	50	50	50	50	50	300
Grand Total	**50**	**220**	**50**	**50**	**50**	**50**	**50**	**470**

Source of Funds								
Capital Projects Fund	-	170	-	-	-	-	-	170
General Fund	50	50	50	50	50	50	50	300
G O Bond Proceeds	-	-	-	-	-	-	-	-
Grand Total	**50**	**220**	**50**	**50**	**50**	**50**	**50**	**470**

PROJECT Derby Glen **Account #** 311-43150-2007

PROGRAM Storm Drainage **RESPONSIBLE DEPARTMENT** Public Works

DESCRIPTION

This project will slip-line approximately 260 feet of 54" corrugated metal pipe that crosses private property close to a home via an easement at 206 Derby Glen. The existing pipe has a 30-year life, and was installed in 1988. It is in fair condition, making it a good candidate for slip-lining. This will avoid much more costly replacement/re-routing in the future if the pipe were to fail.

STATUS

Drainage work will typically be scheduled for the drier, summer months. This work is expected to be complete in late spring of 2020.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering Services								
Construction		120						120
TOTAL EXPENDITURES	-	120	-	-	-	-	-	120
SOURCE OF FUNDS								
Capital Projects Fund		120						120
General Fund								
G O Bond Proceeds								
TOTAL FUNDS	-	120	-	-	-	-	-	120

JUSTIFICATION

This metal storm drain pipe in this location is over 30 years old and should be slip-lined or replaced to avoid failure. Replacement in its present location would we difficult given its proximity to the home.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service
(Improvements lower routine maintenance/repairs for department)

ANNUAL OPERATING BUDGET IMPACT (000'S): **0**

OFFSETTING REVENUE:

PROJECT Shenandoah Drive **Account #** 311-43150-2014

PROGRAM Storm Drainage **RESPONSIBLE DEPARTMENT** Public Works

DESCRIPTION

This project, originally scheduled for FY 2019, will be carried-forward to FY 2020. It will rebuild approximately 45 feet of retaining wall on the north side of 701 Shenandoah Drive. Work will also restore the integrity of the concrete footing supporting the remainder of the wall, approximately 535 feet in length, between Shenandoah Drive and Davis Drive. Approval will be required through the Tennessee Department of Environment and Conservation through an Aquatic Resource Alteration Permit, which may require specific

STATUS

Drainage work will typically be scheduled for the drier, summer months. This work is expected to be complete in late spring of 2020.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering Services		5						5
Construction		45						45
TOTAL EXPENDITURES	-	50	-	-	-	-	-	50
SOURCE OF FUNDS								
Capital Projects Fund		50						50
General Fund								
G O Bond Proceeds								
TOTAL FUNDS	-	50	-	-	-	-	-	50

JUSTIFICATION

Repair of this collapsed retaining wall is necessary to avoid erosion and potential damage to the adjacent residential properties.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service
(Improvements lower routine maintenance/repairs for department)

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

PROJECT Subdivision Drainage **Account #** 110-43150-89440

PROGRAM Storm Drainage **RESPONSIBLE DEPARTMENT** Public Works

DESCRIPTION This project provides annual funding in the Public Works Department General Fund budget to correct miscellaneous, minor storm drainage problems as identified by complaints and field inspection throughout the year.

STATUS In order to minimize property damage and clean-up/restoration efforts, this work is typically done in the drier, summer months.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering Services								
Construction	50	50	50	50	50	50	50	300
TOTAL EXPENDITURES	50	50	50	50	50	50	50	300
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund	50	50	50	50	50	50	50	300
G O Bond Proceeds								
TOTAL FUNDS	50	50	50	50	50	50	50	300

JUSTIFICATION

The potential for localized, nuisance type flooding outside the legally designated flood plains is reduced by proactively addressing drainage deficiencies in the City. This annual effort lowers routine maintenance cost and labor for the Public Works Department and has reduced the number of drainage complaints from property owners in recent years.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service
(Improvements lower routine maintenance/repairs for department)

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

BRENTWOOD

CITY OF

TENNESSEE

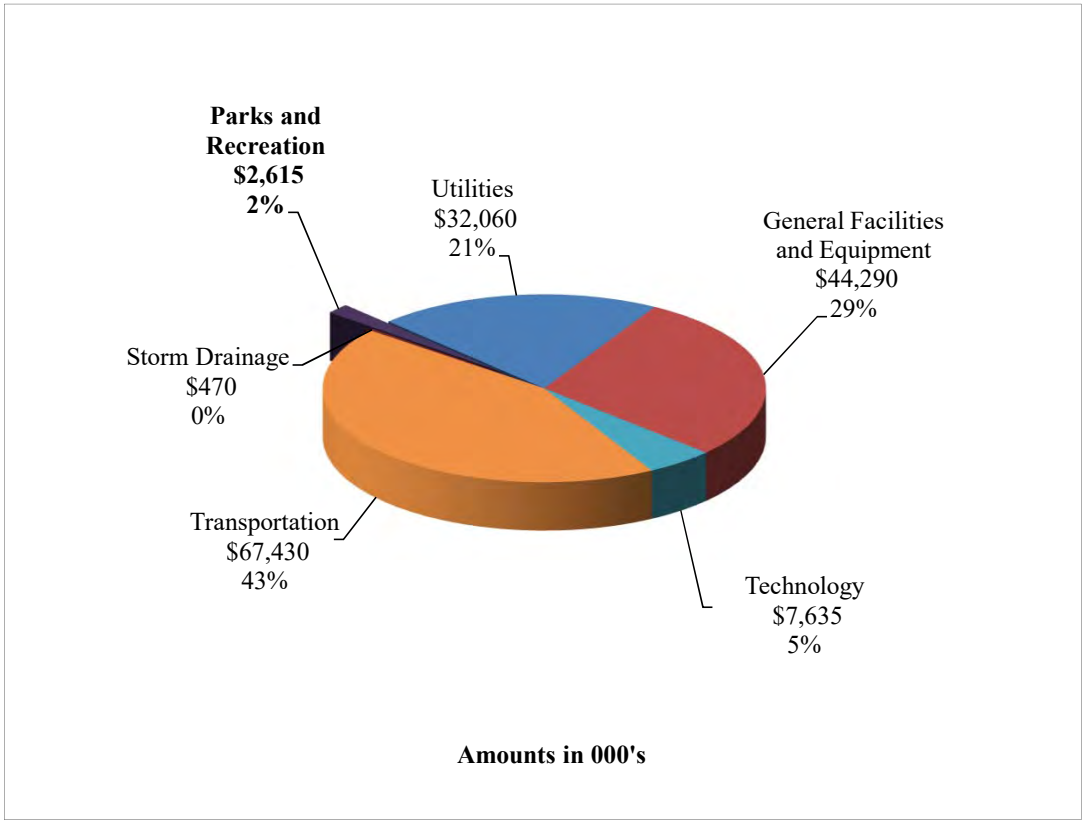
1969

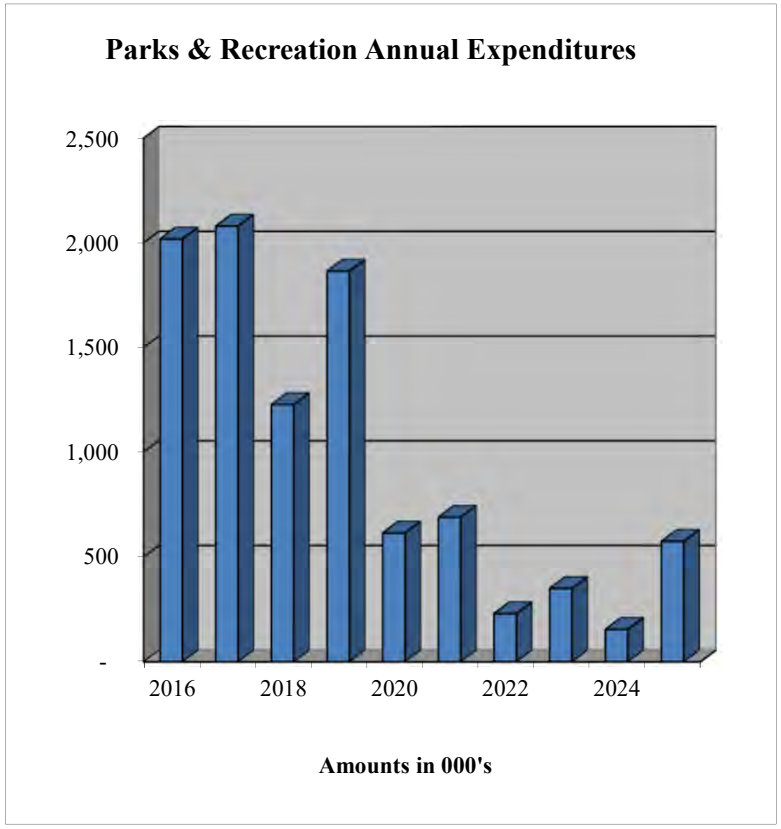
ARDENS FIDE

PARKS and RECREATION

PARKS AND RECREATION

FISCAL YEARS 2020-2025





City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Parks and Recreation Program - Summary
(000's)

Projects	**Projected FY 2019**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**Total 6 Years 2020-2025**
Crockett Park	215	90	450	75	250	75	525	1,465
Deerwood Arboretum	-	-	40	-	10	-	-	50
Flagpole and Wikle	-	-	-	-	-	15	-	15
Granny White Park	15	65	100	145	30	50	50	440
Marcella Vivrette Smith Park	65	290	100	10	-	15	-	415
Maryland Way Park	20	130	-	-	-	-	-	130
Owl Creek Park	50	35	-	-	60	-	-	95
River Park	-	5	-	-	-	-	-	5
Williamson County Indoor Sports Complex	1,500	-	-	-	-	-	-	-
Grand Total	**1,865**	**615**	**690**	**230**	**350**	**155**	**575**	**2,615**
Source of Funds								
Capital Projects Fund	220	420	-	-	-	-	-	420
General Fund	-	-	475	-	175	-	450	1,100
General Fund - Unrestricted Balance	1,500	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Facilities Maintenance Division	145	195	215	230	175	155	125	1,095
Private Sources	-	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	**1,865**	**615**	**690**	**230**	**350**	**155**	**575**	**2,615**

PROJECT	**Crockett Park**	**Account #**	**311-44400-3001**
PROGRAM	**Parks and Recreation**	**RESPONSIBLE DEPARTMENT**	**Parks and Recreation**

DESCRIPTION

This project provides for periodic improvements to the 164 acre park that includes athletic fields, tennis courts, a playground, paved trails, outdoor amphitheater, picnic shelters, restroom facilities, the Cool Springs House and other historic structures, a disc golf course, open space, and the Williamson County Indoor Soccer Arena.

STATUS

FY 2019 funding provided for a new restroom, expansion of the amphitheater concrete apron, replacement of dugout covers, painting of parking lot lights, and replacement of bridge decking.

Projects in FY 2020 include tennis court resurfacing ($40,000) and conversion of parking lot lighting to LED fixtures ($50,000). Future funding includes $375,000 to add lights to the former Woodland Middle School baseball field in FY 2021, potential replacement of the community playground in FY 2023 ($175,000) and replacement of the amphitheater roof ($450,000) in FY 2025, if needed at that time.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Fields, Courts etc.								
Buildings, Facilities, etc.	215	90	450	75	250	75	525	1,465
Furniture/Equipment								
Landscaping/Trees								
Utilities								
TOTAL EXPENDITURES	215	90	450	75	250	75	525	1,465
SOURCE OF FUNDS								
Capital Projects Fund	135							
General Fund			375		175		450	1,000
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	80	90	75	75	75	75	75	465
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	215	90	450	75	250	75	525	1,465

JUSTIFICATION

This comprehensive park was substantially built from 1992 to 1996 and is the primary location for the active recreational programs in Brentwood, with a special emphasis on the youth of the community. Systematic improvements will help maintain the existing facilities in excellent condition & expand the range of services provided to the citizens of Brentwood.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**5**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**5**
OFFSETTING REVENUE:	

PROJECT	**Deerwood Arboretum**	**Account #**	**311-44400-3008**
PROGRAM	**Parks and Recreation**	**RESPONSIBLE DEPARTMENT**	**Parks and Recreation**

DESCRIPTION

This project provides for periodic improvements and upgrades to the City's primary "tree" park to make the natural area more attractive and accessible to potential users.

STATUS

Funding is provided here for miscellaneous improvements to Deerwood Arboretum. Bridge decking replacement is tentatively scheduled for FY 2021 ($40,000), and a placeholder for building maintenance in 2023 ($10,000).

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering								
Fields, Courts etc.								
Buildings, Facilities, etc.			40		10			50
Furniture/Equipment								
Landscaping/Trees								
TOTAL EXPENDITURES	-	-	40	-	10	-	-	50
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division			40		10			50
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	-	-	40	-	10	-	-	50

JUSTIFICATION

The 27 acre Arboretum is the City's nature park with its primary focus on maintaining a wide range of native Tennessee trees and habitat for wildlife preservation. Due to its location in an area that was extensively developed prior to 1990, it also serves as the defacto neighborhood park for residents living in west Brentwood.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

PROJECT	**Flagpole and Wikle**	**Account #**	**311-44400-3013**
PROGRAM	**Parks and Recreation**	**RESPONSIBLE DEPARTMENT**	**Parks and Recreation**

DESCRIPTION

Wikle and Flagpole parks were developed concurrently from 24 acres dedicated to the City in FY 2011 as part of the Mallory Park development. Flagpole Park, the southern tract with vehicle access through the Mallory Park commercial development, is used for active recreation purposes including unlighted athletic practice fields with parking and restroom facilities. Wikle Park is the northern tract adjacent to Wikle Road West and is home to a walking trail, playground, and restrooms. It is designed for more passive use by area residents.

STATUS

Construction was completed in the fall of 2016. Funding for additional fencing ($20,000) was programmed in FY 2018. The only additional project planned at Wikle and Flagpole is painting of the buildings, which is shown in FY 2024 ($15,000).

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering								
Buildings, Facilities, etc.						15		15
Off-Site Improvements								
Equipment								
TOTAL EXPENDITURES	-	-	-	-	-	15	-	15
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division						15		15
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	-	-	-	-	-	15	-	15

JUSTIFICATION

Development of a park in this area of the City has provided a convenient passive park for nearby residents to use, additional practice fields to better meet the growing demand from youth sports, and fulfilled an objective in the Brentwood 2020 Plan to have a neighborhood park in the southwest area of the City.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S): **0**

OFFSETTING REVENUE:

PROJECT	**Granny White Park**	**Account #**	**311-44400-3003**
PROGRAM	**Parks and Recreation**	**RESPONSIBLE DEPARTMENT**	**Parks and Recreation**

DESCRIPTION

This 32 acre park located next to Brentwood Middle and High Schools serves the active and passive recreational program needs of adults and youth. It includes 3 ball fields, playground, picnic pavilion, soccer field, 4 tennis courts, paved walking path, green space, and support facilities.

STATUS

FY 2019 improvements included painting of the dugout roofs and basketball court resurfacing.

Funding in 2020 will replace ballfield sideline netting ($10,000), retrofit parking lot lighting with energy efficient LED fixtures ($35,000), and resurface the tennis courts ($20,000). The larger planned future projects include lighting replacements at the tennis center in FY 2021 ($100,000) and resurfacing of the parking lot ($145,000) in FY 2022.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Fields, Courts etc.								
Buildings, Facilities, etc.	15	65	100	145	30	50	50	440
Furniture/Equipment								
Landscaping/Trees								
TOTAL EXPENDITURES	15	65	100	145	30	50	50	440
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	15	65	100	145	30	50	50	440
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	15	65	100	145	30	50	50	440

JUSTIFICATION

Extraordinary repairs and improvements are needed periodically to keep this park in a safe and attractive condition and to reduce on-going maintenance repairs and associated manpower requirements. Lighting at the tennis center will require upgrades and parking will require resurfacing within the planning period to maintain standards.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	**(3)**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**(3)**

(Extraordinary repairs help reduce on-going maintenance cost)

OFFSETTING REVENUE:

PROJECT	**Marcella Vivrette Smith Park**	**Account #**	**311-44400-3015**
PROGRAM	**Parks and Recreation**	**RESPONSIBLE DEPARTMENT**	**Parks and Recreation**

DESCRIPTION

This 400 acre park includes open pastures, wooded hillsides, the historic Ravenswood home and associated historic outbuildings. Improvements include unlighted multi-purpose fields, natural hiking trails, a paved multi-use trail connecting to the City's trail network, renovation of the Ravenswood house for public use, a picnic shelter, and a future possible mountain bike trail network. The rear portion of the park remains undeveloped and unplanned.

STATUS

FY 2019 included funding for enhanced landscaping along the loop road, replacement of the maintenance barn ($150,000), and slave cabin stabilization ($150,000). The barn project will be carried forward to FY 2020 and is now projected at $180,000. Design work for the stabilization of the two slave cabins will be completed in FY 2019, with construction continuing into FY 2020. Funding of $105,000 of the $150,000 total for the cabins is carried forward. Master planning for Phase 3 improvements on the back 80 acres is scheduled for 2021 ($100,000). Design and construction of Phase 3 improvements are not proposed to begin within the CIP planning horizon.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Planning/Engineering	10	5	100					105
Park Land Acquisition								
Construction/Development	25	180						180
Historic Structure Renovation	30	105						105
Facilities Maintenance				10		15		25
TOTAL EXPENDITURES	65	290	100	10	-	15	-	415
SOURCE OF FUNDS								
Capital Projects Fund	65	290						290
General Fund			100					100
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division				10		15		25
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	65	290	100	10	-	15	-	415

JUSTIFICATION

Smith Park now provides a significant opportunity for residents to enjoy both passive and active recreation in a natural setting. The vast majority of the park's 400 acres are disturbed only by hiking trails, allowing users to experience the beauty of Brentwood's rolling hills and the wildlife that live there. Preservation of the historic assets (Ravenswood Mansion and slave cabins) on the property has been a priority since the land was acquired in 2010. Replacement of the maintenance barn will provide parks staff with a safer and more suitable facility from which to conduct daily operations.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**1**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**1**
OFFSETTING REVENUE:	

PROJECT	**Maryland Way Park**	**Account #**	**311-44400-3011**
PROGRAM	**Parks and Recreation**	**RESPONSIBLE DEPARTMENT**	**Parks and Recreation**

DESCRIPTION

This project provides for minor improvements to this 7 acre urban green space located adjacent to Maryland Way in the eastern section of the Maryland Farms Office Center.

STATUS

Funding is programmed in FY 2019 and FY 2020 for improvements to the eastern edge of this park to provide an appropriate pedestrian gateway connection to the Hill Center Brentwood redevelopment project ($150,000). The timing of construction has been moved from FY 2019 to FY 2020 to better align with the Hill Center project timeline.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Architecture/Engineering	20							
Fields, Courts etc.								
Buildings, Facilities, etc.		130						130
Furniture/Equipment								
Landscaping/Trees								
Repaving/Repairs Trail								
TOTAL EXPENDITURES	20	130	-	-	-	-	-	130
SOURCE OF FUNDS								
Capital Projects Fund	20	130						130
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	20	130	-	-	-	-	-	130

JUSTIFICATION

This park is located in the center of the commercial/office areas of north Brentwood and directly adjacent to the expanded Hill Center currently under development. With the mixed-use pedestrian focus of the Hill Center development along with the proximity of other office developments, it is important that this park easily integrate with adjoining developments to promote walking and other non-vehicle trips.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**1**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**1**
OFFSETTING REVENUE:	

PROJECT	**Owl Creek Park**	**Account #**	**311-44400-3006**
PROGRAM	**Parks and Recreation**	**RESPONSIBLE DEPARTMENT**	**Parks and Recreation**

DESCRIPTION

The development of this neighborhood park in east Brentwood was completed in CY 2007. Improvements include open play areas, a picnic shelter, playground, outdoor basketball court, paved bikeway/walkways with a bridge connection to the adjoining neighborhood, restrooms, parking, fencing and landscaping.

STATUS

FY 2019 funding included replacement of the main boardwalk across the wetlands adjacent to Concord Road ($75,000). Of that amount, $25,000 is carried forward to FY 2020 in the event weather does not allow project completion by June 30. Other FY 2020 funding will allow painting of the restrooms ($5,000) and resurfacing of the basketball court ($5,000). FY 2023 funding is provided for resurfacing of the parking lot ($60,000). Future years will be programmed as needed to ensure the facilities are maintained to high standards.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Planning/Engineering								
Buildings, Facilities, etc.	50	35			60			95
Furniture/Equipment								
Landscaping/Trees								
TOTAL EXPENDITURES	50	35	-	-	60	-	-	95
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	50	35			60			95
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	50	35	-	-	60	-	-	95

JUSTIFICATION

This park is situated on land that was dedicated to the City by a developer at no cost and is ideally located to serve the nearby neighborhoods in east Brentwood.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S): **0**

OFFSETTING REVENUE:

PROJECT	**River Park**	**Account #**	**311-44400-3002**
PROGRAM	**Parks and Recreation**	**RESPONSIBLE DEPARTMENT**	**Parks and Recreation**

DESCRIPTION

This project provides for extraordinary repairs and improvements to facilities and property in this heavily used park located along the Little Harpeth River. The primary entry point is located at the southeast corner of Concord Road and Knox Valley Road.

STATUS

FY 2018 improvements included replacement of the wood decking on the bridge. Only minor improvements are expected to be needed in the next few years. Basketball court resurfacing ($5,000) is programmed for FY 2020.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Buildings, Facilities, etc.		5						5
Furniture/Equipment								
Landscaping/Trees								
TOTAL EXPENDITURES	-	5	-	-	-	-	-	5
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		5						5
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	-	5	-	-	-	-	-	5

JUSTIFICATION

Improvements are periodically needed to keep this heavily used park attractive and safe.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S): **0**

(Improvements will lower routine maintenance/repair expenses)

OFFSETTING REVENUE:

PROJECT Williamson County Indoor Sports Complex **Account #** 311-44400-3017

PROGRAM General Facilities & Equipment **RESPONSIBLE DEPARTMENT** N/A

DESCRIPTION

This project provides funding for the City's partnership with Williamson County Parks and Recreation on a new splash pad at the existing Indoor Sports Complex (ISC) on Heritage Way. The splash pad will be constructed, owned, and operated by Williamson County.

STATUS

Williamson County approached the City in 2018 regarding the potential to add a Splash Pad to the existing Indoor Sports Complex. This amenity would be in addition to other improvements planned by Williamson County Parks & Recreation including mechanical and lighting upgrades, a group fitness area, construction of four pickle ball courts, and expanded parking. The City Commission approved the partnership for the splash pad with Williamson County in September 2018, with funding ($1,500,000) from the General Fund unassigned fund balance. The County plans to have construction of the splash pad complete by fall of 2019

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering								
Land Acquisition								
Construction	1,500							
TOTAL EXPENDITURES	1,500	-	-	-	-	-	-	-
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unrestricted Balance	1,500							
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	1,500	-	-	-	-	-	-	-

JUSTIFICATION

In 1999, the City of Brentwood partnered with Williamson County and the developer of the Heritage senior living community on a series of land and infrastructure agreements that resulted in the various civic and institutional uses that exist today along Heritage Way north of Concord Road. Williamson County's participation in this arrangement provided for construction of the Indoor Sports Complex which includes a natatorium, indoor tennis center, and exercise facilities. Continued partnerships with Williamson County on projects such as the splash pad bring much needed recreation opportunities to our residents and allows the City of Brentwood to avoid ongoing operational costs that the County is willing to absorb.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	
Debt Service	**0**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**
OFFSETTING REVENUE:	

BRENTWOOD

CITY OF

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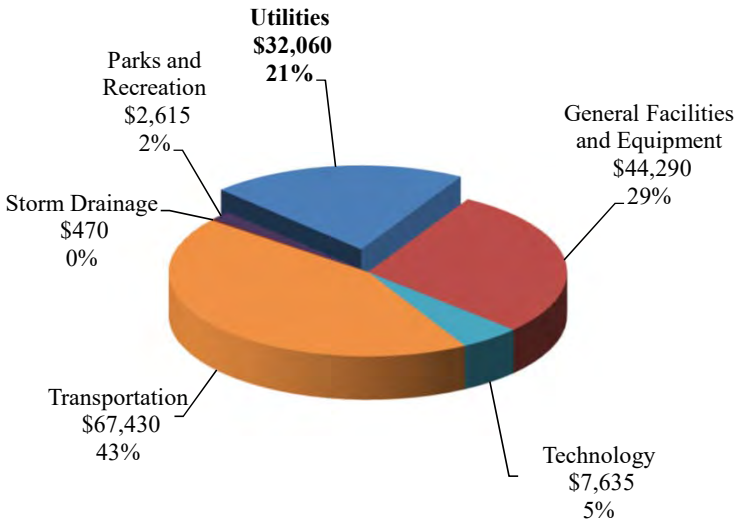
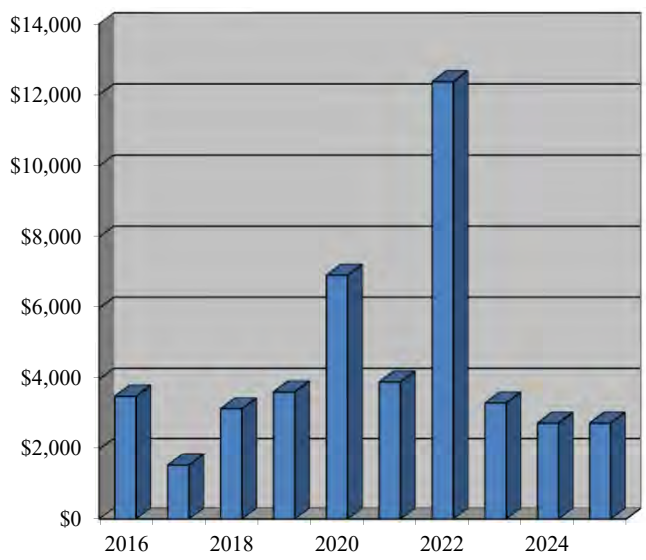
UTILITIES

UTILITIES

FISCAL YEARS 2020-2025



Amounts in 000's



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2020 - 2025
Water and Sewer Program - Summary
(000's)

Projects	Projected 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total 6 Years 2020-2025
Meter Reading Program Upgrade	1,690	485	-	-	-	-	-	485
Miscellaneous Sewer Service Additions	-	150	310	45	45	45	45	640
Miscellaneous Sewer System Improvements	75	1,165	110	110	110	110	110	1,715
Miscellaneous Water System Improvements	10	135	110	110	110	110	110	685
Sewer Rehabilitation Program	1,285	1,160	660	660	660	660	660	4,460
Sewer System Capacity Improvements	15	700	1,300	6,150	575	-	-	8,725
Sewer Lift Station Rehabilitation	125	870	-	-	-	-	-	870
Water Line Replacement Program	50	1,640	310	1,360	580	580	580	5,050
Water System Capacity Improvements	395	620	1,125	3,935	1,250	1,250	1,250	9,430
Grand Total	**3,645**	**6,925**	**3,925**	**12,370**	**3,330**	**2,755**	**2,755**	**32,060**

Source of Funds

Water and Sewer Fund	1,950	5,455	1,190	2,240	1,460	1,460	1,460	13,265
Water Tap Fees and NCGUD Grove Tap Fees	395	620	1,125	3,935	1,250	1,250	1,250	9,430
Sewer Tap Fees	1,300	810	1,610	1,290	615	40	40	4,405
Private Sources	-	40	-	5	5	5	5	60
Water and Sewer Bond/Note Proceeds	-	-	-	4,900	-	-	-	4,900
Grand Total	**3,645**	**6,925**	**3,925**	**12,370**	**3,330**	**2,755**	**2,755**	**32,060**

PROJECT	**Meter Reading System**	**Account #**	**412-16700-8051**
PROGRAM	**Utilities**	**RESPONSIBLE DEPARTMENT**	**Water Services**

DESCRIPTION

This multi-year project will upgrade the existing, labor intensive "touch-read" water meter reading technology adopted 20+ years ago to a state of the art "fixed-based" reading technology utilizing radio antenna installed on towers located across the city. The proposed fixed-based reading system includes the installation of meter reading equipment on at least 3 tower sites and the replacement of reading transmitters and meters at all customer sites. The updated reading system allows for greater reading efficiencies, enhanced customer service and reduced labor and operational costs.

STATUS

FY 2019 funding included installation of radios and meters at existing customer meter sites that are not currently connected to the new system. This work will carry over into FY 2020. There are approximately 4,500 new meters to be installed and 8,500 radio units to complete the project. The City has approximately 9,700 water customers in total. This project is funded via available funds in the Water and Sewer Fund.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	40	15	-	-	-	-	-	15
Construction	1,650	470	-	-	-	-	-	470
TOTAL EXPENDITURES	1,690	485	-	-	-	-	-	485
SOURCE OF FUNDS								
Water & Sewer Fund	1,690	485	-	-	-	-	-	485
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	1,690	485	-	-	-	-	-	485

JUSTIFICATION

The current reading system is aging, labor intensive and replacement of system parts and components are becoming obsolete. The newer meter reading technology will allow the City to better manage water losses with greater reading efficiency, provide enhanced customer service through faster complaint resolution and customer's understanding of water consumption, offset future labor costs and reduce operational cost such as fuel and vehicle expenses.

PROGRAM AND FACILITY COSTS (000's):	
Personnel Services	
Operating Expenditures	**(50)**
(System will result in operational savings due to reduced water loss)	
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**(50)**

OFFSETTING REVENUE:

PROJECT	**Miscellaneous Sewer Service Additions**	**Account #**	**412-16700-8033**
PROGRAM	**Utilities**	**RESPONSIBLE DEPARTMENT**	**Water Services**

DESCRIPTION

This project provides for the extension of public sanitary sewer service, via grinder systems, to miscellaneous homes without sewer that can be reasonably connected to a nearby City sewer line. The policy for extending sewer service was enacted some 25 years ago and is covered under Section 70-10 of the Municipal Code. Implementation requires petitions & financial commitments from the majority of interested residents in an area for a project to move forward. Past projects have included neighborhoods such as Brenthaven, Holly Tree Gap area, Carondelet and Meadowlake.

STATUS

The next planned large scale project is associated with the Franklin Rd. widening project in FY 2020-21 and will include about 17 homes located in that area that are currently served by septic systems. The extension of sewer in coordination with the Franklin Road widening project is proposed only if there is sufficient support among residents, as per City Code. Funds have also been included to provide for additional small scale sewer connections annually if requested and approved.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	-	50	10	5	5	5	5	80
Construction	-	100	300	40	40	40	40	560
Property/Easement Acquisition								
TOTAL EXPENDITURES	-	150	310	45	45	45	45	640
SOURCE OF FUNDS								
Water & Sewer Fund								
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees	-	110	310	40	40	40	40	580
Private Sources	-	40	-	5	5	5	5	60
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	-	150	310	45	45	45	45	640

JUSTIFICATION

Starting in the early 1990's, all original subdivisions in the City's sewer service area built with septic systems have been tied to public sewer under the neighborhood extension program. However, there are a few isolated homes on larger lots located outside traditional subdivisions where public sewer may be needed in the future due to septic system failures.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**5**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**5**
OFFSETTING REVENUE:	**60**

(Each home will pay a $5,000 tap fee)

PROJECT	**Miscellaneous Sewer System Improvements**	**Account #**	**412-16700-8039**
PROGRAM	**Utilities**	**RESPONSIBLE DEPARTMENT**	**Water Services**

DESCRIPTION

This project provides for small sewer system improvements on an as needed basis. Examples include small pipe replacement, pipe realignment projects to improve flow characteristics or manhole repairs. Potential projects may be identified from the computerized sewer system model, customer complaints and field investigations.

STATUS

Annual funding is programmed to handle projects that may arise each year. An engineering evaluation of the 8 inch sewer force main located along Moore's Lane determined the pipeline to be in poor condition and in need of replacement. Funding in FY 2020 provides for the replacement of approximately 4,600 feet of sewer force main between Carothers and the entrance to the Nashville Golf Club. This project will include installing a new 8 inch pipe from the intersection of Moores Ln. and Carothers east along Suzanne Dr. in Eldorado Estates, then crossing Rue De Grande to the Moore's Ln. right-of-way and continuing eastward in the south right-of-way of Moore's Ln. to just past Crockett Springs Tr. The route selected took into consideration traffic flow along Moores Ln and existing utility conflicts and was determined to be the least disruptive and economical for the project. Funding in FY 2020 also includes upgrades to a small section of sewer line along Wilson Pk. Circle. There are no current projects planned for FY 2021 - 2025, though placeholder funding is provided should projects be identified.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	30	65	10	10	10	10	10	115
Construction	-	1,100	100	100	100	100	100	1,600
Property/Easement Acquisition	45	-	-	-	-	-	-	-
TOTAL EXPENDITURES	75	1,165	110	110	110	110	110	1,715
SOURCE OF FUNDS								
Water & Sewer Fund	75	1,165	110	110	110	110	110	1,715
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	75	1,165	110	110	110	110	110	1,715

JUSTIFICATION

The EPA's Capacity Management, Operations and Maintenance (CMOM) program requires the City to actively monitor and address problems contributing to sewer overflows from the public sewer system. Periodically, certain problems or opportunities will be identified such as a collapsed pipe or realigning a small segment of pipe that, if addressed expeditiously, can save money and improve the overall operation and reliability of the system.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	**0**
Debt Service	**0**
(repairs will help reduce treatment costs)	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

PROJECT	**Miscellaneous Water System Improvements**	**Account #**	**412-16700-8040**
PROGRAM	**Utilities**	**RESPONSIBLE DEPARTMENT**	**Water Services**

DESCRIPTION

This project provides annual funding for on-going water system improvements on an as needed basis. Examples include small line extensions, connectors, or adding appurtenances such as valves. Projects may be identified from review & analysis of the computerized water system model, customer complaints, and field investigations.

STATUS

Annual funding is programmed to handle smaller projects that may arise each year. FY 2020 includes installing a small section of new pipe to connect the Belle Rive water line, installed in 2015, to the Deerwood Lane water line. The Deerwood Lane residents are served by a water line coming from Harpeth River Drive and under the river, which was installed in the late 1970's. This new line would allow for the older water line coming from Harpeth River Dr. to be abandoned and provide better service to the area off the Belle Rive line. This work will be included in the Crockett Rd. 12" water line project planned to bid in the spring of 2019.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	10	10	10	10	10	10	10	60
Construction	-	125	100	100	100	100	100	625
Property/Easement Acquisition								
TOTAL EXPENDITURES	10	135	110	110	110	110	110	685
SOURCE OF FUNDS								
Water & Sewer Fund	10	135	110	110	110	110	110	685
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	10	135	110	110	110	110	110	685

JUSTIFICATION

Periodically, certain problems such as low pressure and/or flow, etc. are identified in the water system and can be corrected expeditiously through minor capital improvements or system modifications. Having funds programmed in the CIP will allow the department to initiate corrective actions in a more timely manner.

PROGRAM AND FACILITY COSTS:

Personnel Services	**0**
Operating Expenditures	**0**
Debt Service	**0**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

PROJECT	**Sewer Rehabilitation Program**	**Account #**	**412-16700-8023**
PROGRAM	**Utilities**	**RESPONSIBLE DEPARTMENT**	**Water Services**

DESCRIPTION

This comprehensive, multi-year project began in 2006 and targets flow monitoring, inspection, rehabilitation and repair of the City's aging sewer infrastructure system serving the Little Harpeth River sub-basin. Per the State Order, the City, along with Metro Nashville who is a party to the Order since the two have inter-connecting systems, were required to submit a report summarizing Metro and the City's progress and compliance through 2014. It was required that the report also make recommendations for future compliance. To date, the sewer rehabilitation program has eliminated over 700 million gallons of rainwater that previously entered the sewer system annually.

STATUS

Per the 2007 CAP/ER compliance report approved by TDEC, the City continued sewer rehabilitation efforts through CY 2018. Beginning in CY2019, staff will work with its project engineer to develop a proactive annual rehabilitation schedule to improve the operational efficiency of the system. Engineering in FY 2020-2025 includes project engineering fees and system flow monitoring/management. Construction funding will be determined annually based on field inspections and flow monitoring data.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering/Inspection	135	160	160	160	160	160	160	960
Construction	1,150	1,000	500	500	500	500	500	3,500
Land Acquisition								
TOTAL EXPENDITURES	1,285	1,160	660	660	660	660	660	4,460
SOURCE OF FUNDS								
Water & Sewer Fund		1,160	660	660	660	660	660	4,460
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees	1,285							
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	1,285	1,160	660	660	660	660	660	4,460

JUSTIFICATION

TDEC has directed the City and Metro Nashville, to reduce inflow/infiltration of stormwater entering the system's collection system and eliminate sewer system overflows at the two agency's inter-connection point that periodically occur during major storm/flooding events. Measured reductions and program progress to date have been documented by the program's consultant and the next phase (Phase III) approved by TDEC. TDEC's major focus of policy is to reduce I/I in communities through promoting rehabilitation processes, practices and strategies to eliminate as much I/I as possible. Reductions in stormwater inflow/infiltration reduce loss of capacity and reduce operational cost associated with the transportation and treatment.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**(1,050)**
(Repairs will lower treatment costs by reducing storm water infiltration into the system)	
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**(1,050)**
OFFSETTING REVENUE:	
(Capital program is funded by a 25% increase in sewer rates approved in the spring 2008)	

PROJECT	**Sewer System Capacity Improvements**	**Account #**	**412-16700-8039**
PROGRAM	**Utilities**	**RESPONSIBLE DEPARTMENT**	**Water Services**

DESCRIPTION

This project is intended to fund future sewer system improvements that are needed to assure sufficient system capacity to meet the future growth demands of Brentwood's customers and State criteria related to stormwater inflow/infiltration (I/I) for sanitary sewer system design. The Master Plan developed in 2016 enables the City to identify required improvements, including system sub-basin projects and system-wide conveyance projects that aid in addressing both wet weather peak flows and anticipated growth driven capacity improvements.

STATUS

No projects are projected to be completed in FY 2019. Beginning in FY 2020, funds are programmed in anticipation of initiating projects recommended from the Sewer System Master Plan prepared by Hazen Engineers. The first major project identified in the plan includes construction of the Metro/Brentwood pump station storage facility required to improve the management of wet weather peak flows. The storage facility and related infrastructure are estimated to cost approximately $7.0M, and will require issuance of $4.9M in bonds. One of the biggest challenges associated with this project is finding the land for such a facility. This could require the City to consider construction of a below-grade facility, significantly increasing the cost. Funding for the storage facility will come from Sewer Tap Fees paid to the Water & Sewer Fund via development. Funds are programmed in future years for continued implementation of recommended projects in the master plan.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	15	200	700	250	75	-	-	1,225
Construction	-	-	600	5,900	500	-	-	7,000
Property/Easement Acquisition	-	500	-	-	-	-	-	500
TOTAL EXPENDITURES	15	700	1,300	6,150	575	-	-	8,725
SOURCE OF FUNDS								
Water & Sewer Fund								
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees	15	700	1,300	1,250	575			3,825
Private Sources								
Water & Sewer Bond/Note Proceeds				4,900				4,900
TOTAL FUNDS	15	700	1,300	6,150	575	-	-	8,725

JUSTIFICATION

TDEC design policy and guidelines suggest systems should focus on sustainable infrastructure, first through system rehabilitation rather than simply upsizing system infrastructure. Accordingly, now that the City has completed the first significant phases of the sewer rehabilitation program and established hydraulic patterns specific to I/I contribution, now incorporated into a system hydraulic model, the next phase for the sewer system master planning process is to evaluate and update the future short and long-term capacity requirements to meet future growth projections. The City's engineering consultants completed the comprehensive system master plan in CY 2016.

PROGRAM AND FACILITY COSTS:

Personnel Services		
Operating Expenditures	**(storage facility operating costs)**	**50**
Debt Service		**370**
ANNUAL OPERATING BUDGET IMPACT (000'S):		**420**

OFFSETTING REVENUE:

PROJECT	**Sewer Lift Station Rehabilitation**	**Account #**	**412-16700-8027**
PROGRAM	**Utilities**	**RESPONSIBLE DEPARTMENT**	**Water & Sewer**

DESCRIPTION

This project provides for an on-going, proactive program to rehabilitate the City's sewer lift stations including operating equipment that provides alternative pumping methods during an emergency. To date, nine of the eleven stations have been rehabilitated within the last eight years with two stations remaining to be rehabilitated.

STATUS

FY 2019 funding provided for the design and start of construction of the Edmondson Pike sewer lift station located just south of Edmondson Elementary school. Construction work associated with the rehabilitation of this station is planned for FY 2020. Also in FY 2020, funding is anticipated for the evaluation, design and if considered viable, construction to possibly abandon the Arden Woods lift station located at 6402 Fisher Ct. and connect the area sewers that discharge to that station to a gravity sewer located on Scales School property.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	20	80	-	-	-	-	-	80
Construction	100	790	-	-	-	-	-	790
Property/Easement Acquisition	5	-	-	-	-	-	-	
TOTAL EXPENDITURES	125	870	-	-	-	-	-	870
SOURCE OF FUNDS								
Water & Sewer Fund	125	870	-	-	-	-	-	870
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	125	870	-	-	-	-	-	870

JUSTIFICATION

The EPA's Capacity Management, Operations and Maintenance (CMOM) program requires the City to more actively monitor and increase emergency preparedness for addressing potential problems associated with the operation of sewer lift stations and their potential contribution to sewer overflows.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	**(20)**
Debt Service	**0**
(Improvements & new technology should reduce operating costs)	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**(20)**

OFFSETTING REVENUE:

PROJECT	**Water System Annual Pipe Replacement Program**	**Account #**	**412-16700-8053**
PROGRAM	**Utilities**	**RESPONSIBLE DEPARTMENT**	**Water Services**

DESCRIPTION

This proactive program initiated in FY 2013 provides for planned, incremental replacement of water lines throughout the distribution system in order to address aging infrastructure and improve the level of system operation. Projects will be prioritized based on several factors such as line age, historical performance.

STATUS

Work in FY 2019 included final design of the Crockett Rd. and Devens Dr. water line projects with start of construction for these projects anticipated in early summer 2019. The Crockett Rd. project includes replacement of approx. 3,100 feet of 12 inch PVC water line along Crockett Road, from Raintree Pkwy. to Twelve Oaks subdivision. The Devens Dr. project includes replacing the 6 inch water mains from Knox Valley to Wikle Rd. Beginning in FY 2021, funding is provided to begin work in the Carondelet North area, which includes Davis Dr., Carondelet Pl., Ford Dr., and Hood Pl., to replace the aging water mains under the annual pipe replacement program. This project is planned for FY 2022. Funding is provided in future years for projects identified in the asset management program.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	50	25	150	-	70	70	70	385
Construction	-	1,615	150	1,350	500	500	500	4,615
Property/Easement Acquisition	-	-	10	10	10	10	10	50
TOTAL EXPENDITURES	50	1,640	310	1,360	580	580	580	5,050
SOURCE OF FUNDS								
Water & Sewer Fund	50	1,640	310	1,360	580	580	580	5,050
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	50	1,640	310	1,360	580	580	580	5,050

JUSTIFICATION

Proactively managing the City's water system assets helps to ensure the City gets the most value from the asset by reducing long-term capital and operational costs and extending the useful life of the water system assets. This program seeks to replace or rehabilitate aging water lines as a result of various risk factors that include age, demand/usage, materials and the installation environment.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	**(10)**
Debt Service	**0**
(reduced costs related to maintenance and repair of old lines)	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**(10)**

OFFSETTING REVENUE:

PROJECT	**Water System Capacity Improvements**	**Account #**	**412-16700-8036**
PROGRAM	**Utilities**	**RESPONSIBLE DEPARTMENT**	**Water Services**

DESCRIPTION

This project addresses future water system improvements that are needed to increase system capacity to meet the demands of Brentwood's customers. Projects identified in the water capacity master plan include internal distribution system improvements that will facilitate more water through the system as well as pump station and line upsizing projects that will allow for increased water supply directly from our wholesale water suppliers.

STATUS

In FY 2019, the River Oaks water pumping station upgrade was completed along with design of Phase I Wikle Rd extension which includes a 12 inch main from Mallory Park northward around Wikle Park to Wikle Road. Wikle Rd. Phase 2 will extend the 12 inch line westward along Wikle Road to Franklin Road. This is scheduled for FY 2021. In 2022, upsizing projects on will occur on Franklin Road (Concord to Murray) and in the area of Alamo Road. Placeholder funding is provided in future years for projects that may be needed as determined by the water system master plan.

PROJECT BUDGET (000'S)	Projected FY 2019	Proposed FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Total FY 2020-2025
EXPENDITURE ALLOCATION								
Engineering	35	95	325	25	150	150	150	895
Construction	360	425	600	3,610	1,000	1,000	1,000	7,635
Property/Easement Acquisition	-	100	200	300	100	100	100	900
TOTAL EXPENDITURES	395	620	1,125	3,935	1,250	1,250	1,250	9,430
SOURCE OF FUNDS								
Water & Sewer Fund								
Water Tap Fees and NCG Tap Fees	395	620	1,125	3,935	1,250	1,250	1,250	9,430
Sewer Tap Fees								
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	395	620	1,125	3,935	1,250	1,250	1,250	9,430

JUSTIFICATION

The Brentwood water system experiences significant water demand from outdoor watering & irrigation during the summer months. The system was strained during severe droughts in 2007 and again in 2012. Water demand for the average home reached nearly 4.5 times higher than the normal winter water demand of 5,800 gallons. While the department was able to meet the unusually high water requirements of our existing customers, additional water capacity will be needed to continue to meet the peak summer demands associated with growth.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	**0**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**0**

OFFSETTING REVENUE:

(Increase water sales from available water during the summer)

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City of Brentwood, Tennessee
Capital Improvements Program
Glossary of Terms

Appropriation	An authorization made by the City Commission which permits the city staff to incur obligations against and to make expenditures of governmental funds and resources. Appropriations are usually for a fixed dollar amount for a particular budget year.
Budget	The official enactment by the City Commission establishing the legal authority for the City staff to make expenditures.
Capital Improvements	A permanent addition to the City's assets. Capital Improvements include certain upgrades of equipment, facilities, and infrastructure generally in excess of $10,000 in cost. Not included is the replacement of vehicles, except for specialized, higher priced equipment such as a fire engine or large fleets such as the police cars.
Capital Improvements Budget	The appropriation of operating funds and bond funds for capital improvements during the first year of a six-year program.
Capital Improvements Program	A plan, updated yearly, which provides for long-term physical improvements during the six-year plan period.
Capital Projects Fund	The fund that consolidates expenditures for most General Fund type capital improvements. Revenue sources are generally from general obligation bonds issued or transfers from other funds except the Water & Sewer Fund.
CMOM	Capacity, Management, Operations and Maintenance program mandated by EPA and TDEC for sanitary sewer systems.
Corridor Plan	A concept master plan for the layout of a roadway section that will be generally followed in future design and engineering.
Debt Service Fund	The Debt Service Fund is used for the accumulation of resources for, and the payment of, principal and interest on general long-term debt. Revenue sources include the General Fund and State Street Aid Fund.

City of Brentwood, Tennessee
Capital Improvements Program
Glossary of Terms

Emergency Communications District — Quasi-governmental entity that oversees operation of the City's emergency dispatch center. District board is comprised of the City's Board of Commissioners. The revenue source for this district is a per-line fee assessed on telephone service within the City as well as transfers from the General Fund.

Facilities Maintenance Division — The division set aside for the accumulation of contributions from the General Fund and the disbursement of those contributions for major maintenance of City facilities and buildings.

Federal Highway Administration (FHWA) — The federal agency responsible for approving modification to the interstate highway system including interchanges.

General Fund — The principal fund of the City, the General Fund is used to account for all activities not included in other specified funds. General Fund revenue sources include property and business taxes, licenses and permits, intergovernmental revenues, service charges, fines and forfeitures, plus other types of revenue. This fund includes most of the basic operating services, such as fire and police protection, library, refuse contract, parks and recreation, public works and general government administration.

General Obligation Bonds — Bonds that are issued by the City for transportation and park improvements with repayment of principal and interest subject to full faith and credit of the city (i.e., the first obligation in the annual budget).

Gravity Sewer System — A traditional system of sewer collection which relies on the force of gravity to carry sewage from the area to the treatment facility. Pumps are occasionally required to augment the gravity flow from one drainage area to another.

Grinder Pump Sewer System — A pressured method for providing sewer to a residence or business. The pumps grind the sewage as it leaves each location then pumps it to a nearby trunk line.

Metropolitan Nashville-Davidson County — The political-geographical area comprising Davidson County, Tennessee. The form of government is the metropolitan form of government which is a central, combined city-county government for the area. Reference here is to the government.

City of Brentwood, Tennessee
Capital Improvements Program
Glossary of Terms

Metropolitan Planning Organization (MPO)	The regional transportation planning organization responsible for prioritizing and allocating federal funds to various roads projects under the 1991 Surface Transportation Act.
Operating Budget	The expenditure plan for continuing routing service programs and activities. In most instances, operating expenditures are made in a single fiscal year. These expenditures include personal services, contractual services, commodities, minor capital outlay and annual debt service requirements.
Private Sources	Sources of funds, or other assets, received from individuals, businesses or foundations for use by the government for specific or general projects.
Program and Facility Costs	The anticipated ongoing annual expenditures associated with a new program or facility to be operated by the City.
Public Works Project Fee Fund (PWPF)	The fund set aside for the accumulation of transportation impact fees and the disbursement of those fees for improvements to the City's roadways.
Right of Way (R.O.W.)	An area set aside and controlled by a political subdivision for use by the public, generally for transportation facilities such as streets and highways.
State of Tennessee	A geographical-political subdivision of the United States of which the City of Brentwood and Williamson County are a part. Reference here is to the government of the state.
State Street Aid Fund	This is a separate fund required by the state of Tennessee for funds received from the state based on allocation of the city's portion of the gasoline and motor fuel tax. The distribution to cities is based upon population. The expenditures from this fund are used for maintaining the streets of the city which are not designated federal or state highways or for debt service associated with capital projects.

City of Brentwood, Tennessee
Capital Improvements Program
Glossary of Terms

Tennessee Department of Environment and Conservation (TDEC)	The department of the state government responsible for regulating discharges into streams and for distributing grants for park projects.
Tennessee Department of Transportation (TDOT)	The department of the state government responsible for planning, building and maintaining the state and federal highways within the state. TDOT is responsible for administering federal transportation grants.
Warrant Study	A study required justifying the need for a traffic signal installation or modification.
Water/Sewer Fund	This is an enterprise fund. The Water/Sewer Fund records the receipts and expenditures of the Water/Sewer Department for the purpose of providing a sufficient and safe supply of water to residents and businesses of the city as well as an environmentally acceptable means of collecting and transporting sewage for treatment by Metro Nashville Water and Sewer Department.
Water/Sewer Revenue Bonds	The bonds generally used for major capital improvements to the water and sewer systems such as extending sewer service or upgrading the City's water storage capacity. The bond principal and interest are repaid from water/sewer revenues.
Williamson County	The geographical-political subdivision of the State of Tennessee of which Brentwood is located. Williamson County is located in the Middle district of Tennessee, immediately south of Davidson County. Reference here is to the government of the county.