CITY OF
BRENTWOOD
TENNESSEE

Fiscal Year 2021-2026 Capital Improvements Program

DRAFT

CITY OF BRENTWOOD, TENNESSEE

PROPOSED CAPITAL IMPROVEMENTS PROGRAM

Fiscal Years 2021 - 2026

DRAFT

March 23, 2020

TABLE OF CONTENTS

	PAGE
I. Introduction	
City Manager's Transmittal Memorandum	i
Assistant City Manager & Finance Director Transmittal Memorandum	vii
Resolution Adopting Capital Improvements Program	ix
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
Franklin Road - South	63
McEwen Drive	65
Murray Lane	67
Ragsdale Road	69
Street Lighting	71
Street Resurfacing	73
Sunset Road	75
Sunset-Ragsdale Realignment	77
Traffic Signal Upgrades	79

TABLE OF CONTENTS

	PAGE
VI. Storm Drainage	**81**
Derby Glen	83
Raintree Forest	85
Subdivision Drainage	87
VII. Parks and Recreation	**89**
Crockett Park	91
Deerwood Arboretum	93
Flagpole and Wikle	95
Granny White Park	97
Marcella Vivrette Smith Park	99
Maryland Way Park	101
Owl Creek Park	103
River Park	105
Tower Park	107
Windy Hill Park	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

Kirk Bednar
CITY MANAGER

Jay Evans
ASST. CITY MANAGER

BRENTWOOD
CITY MANAGER'S OFFICE

March 23, 2020

CITY MANAGER MEMORANDUM
2020-02

TO: Honorable Mayor and Members of the City Commission

FROM: Kirk Bednar, City Manager

SUBJECT: Proposed Fiscal Years 2021-2026 Capital Improvements Program

Attached you will find the proposed six-year capital improvements program (CIP) for the City of Brentwood for fiscal years 2021-2026.

The proposed CIP will be reviewed with the Board of Commissioners at a work session scheduled for Tuesday, March 31, 2020, 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 26, 2020, Monday, June 8, 2020, and Monday, June 22, 2020. A resolution to adopt the six-year CIP will be presented to the City Commission for consideration and adoption at the June 22, 2020 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; park improvements to improve the quality of life for all residents; 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 2021 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 2021-2026 Capital Improvements Program is an ambitious plan that calls for the investment of **$149,570,000** 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 **$26 million** of the **$149.6 million** program (17%) 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, the sewer storage facility, and the Police headquarters project.

The net local investment of **$123.6 million** over six-years will require a significant funding commitment, including direct support of over **$108.6 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 **$10 million**, including $5.0 million proposed in FY 2023 for the Ragsdale Road widening project, and an additional $5.0 million in FY 2025 to provide funding for development of Windy Hill Park and a new Parks Department operations facility. The six-year CIP plan also includes issuance of **$5 million** of Water/Sewer Bonds for construction of the wet weather sewer storage facility.

Total project costs in the major program areas over the next six years (FY 2021-2026) are summarized below:

Transportation	$59,195,000	39.6%
Utilities	36,250,000	24.2%
Facilities & Equipment	35,955,000	24.0%
Parks & Recreation	10,680,000	7.1%
Technology	6,840,000	4.6%
Storm Drainage	650,000	0.4%
TOTAL	$149,570,000	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 early years of the six-year plan reflect 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 a remaining cost estimate totaling $11.1 million. Most 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. Preliminary engineering work on this project is currently reflected in TDOT's work plan for FY 2022. With no local participation expected on this project, it will not be reflected in this document. 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 remains highly unlikely in the foreseeable future.

The six-year plan maintains significant funding ($9.2 million) projected to be provided to the City of Franklin in FY's 2021 and 2022 to initiate construction on the McEwen Drive extension east of Wilson Pike through the Taramore subdivision. Finally, the plan includes significant funding ($12.0 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 $15.8 million. The FY 2021 proposed resurfacing funding level is $2.4 million with $100,000 annual increases in funding projected through FY 2025.

The proposed six-year plan continues the City's commitment to improved bike and pedestrian facilities, with $4.38 million programmed, including $2 million in FY 2024 tentatively programmed for construction of a bikeway connector along Franklin Road between Concord Road and Murray Lane. This project would be subject to $1 million in state or federal grant funds.

The primary focus of the **General Facilities and Equipment** program over the next six years will be on construction of new departmental facilities. The ongoing construction of a new Police headquarters facility ($16.7 million for completion in FY 2021) represents 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 along with purchase of a new fire apparatus. Design work on the station is planned to begin in FY 2021 with construction scheduled to begin in FY 2022 and completion by the end of 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 over $6.7 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

following relocation of the Police Department. 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 includes funding balanced between maintenance of existing infrastructure and long-term capacity planning for both the water and sewer systems. From a water service standpoint, the City has traditionally conducted capacity planning and construction with the goal of satisfying peak 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 is greater than the actual volume of water needed during most months of the year. The six-year plan provides for a $8.0 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 ($8.0 million) in the replacement of aging water system infrastructure.

Now that the heaviest phase of sewer rehabilitation work is complete, 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 ensure the sewer system can adequately serve the community as build out of the service area progresses. A total of $11.5 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 $3.9 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. Funding ($150,000) is provided FY 2021 to continue implementation of security upgrades in parks or expansion of license plate readers as deemed appropriate. Funding of $100,000 is carried over to FY 2021 to complete final acceptance testing of the regional radio system that went live in early 2019. Finally, funding of $450,000 is also provided in FY 2021 for the replacement of the City's general ledger and HR software system, which is 15 years old and no longer serviced by the system provider.

The **Parks and Recreation** program over the next six years reflects funding ($4.85 million) for the acquisition and future development of land to become Windy Hill Park on Old Smyrna Road. Note that while final payment for purchase of the property will occur in FY 2021, development of park facilities on this property is not projected until FY 2025 due to other CIP project priorities in the near term. Funding ($1.875 million) is provided for development of new inclusive playgrounds in Granny White and Crockett Parks over the next four years. The six-year plan also continues a significant funding commitment ($1.43 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, approximately $108.6 million (73%) 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 $26 million or 17%. The remaining funds ($15 million or 10%) will come through the issuance of General Obligation and Water/Sewer Bonds.

FY 2021 funding for several projects is dependent upon a proposed FY 2020 year-end transfer of current year excess revenues totaling $6,100,000. This transfer will consist of $5,385,000 to the Capital Projects Fund, $670,000 to the Equipment Replacement Fund, and $45,000 to Facilities Maintenance Fund. The transfer to the Facilities Maintenance Fund is the result of excess revenue from historic homes rental operations, and these funds will be dedicated to maintenance projects related to the homes. In addition to this transfer of excess current year revenue, the funding plan also calls for a transfer of $5.0 million from the undesignated General Fund reserve balance. These funds will provide a portion of the funding for completion of the Police Headquarters project and Windy Hill Park land acquisition.

The implementation of a six-year, comprehensive program with long-term benefits will require the issuance of **$10 million** in new 20-year General Obligation Bonds for the Ragsdale Road widening project ($5 million), Windy Hill Park development ($2 million) and the Parks Operations facility ($3 million). The plan also calls for the issuance of **$5 million** in Water/Sewer Bonds to help fund the proposed sewage storage facility.

The following memo from Assistant City Manager Jay Evans and Karen Harper, 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 2022 (issued by late calendar year 2021)

- Water and Sewer bonds **($5,000,000)** 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 **($5,000,000)** 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 **($5,000,000)** for construction of Parks Department Operations facility ($3,000,000) and development of Windy Hill Park ($2,000,000).

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. 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. However, an update rate study for the Water and Sewer Fund is proposed during FY 2021.

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 2020 is $2,842,000. The projected fund balance for the Debt Service Fund as of June 30, 2020 is approximately $3,380,000, which will exceed the one-year target level. The proposed FY 2021 General Fund transfer to the Debt Service Fund will be $3,350,000, an increase of $100,000 from the FY 2020 level. Additional annual increases of $100,000 are projected through FY 2024 to account for the debt service impact of the larger than normal $15,000,000 G.O. bond issue in FY 2020 for the Police Headquarters project.

Finally, the percentage of the total General Fund budget allocated for debt service in FY 2020 is 8.1%. This amount of annual debt service is considered by the rating agencies to be a manageable level for a growing community. Assuming a 4% General Fund budget growth from FY 2020 through FY 2026 with the Debt Service Fund transfer growing to $3,650,000 by FY 2026, this percentage will decrease to 7.2% in FY 2026.

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.

Kirk Bednar
CITY MANAGER

Jay Evans
ASST. CITY MANAGER

BRENTWOOD
CITY MANAGER'S OFFICE

March 23, 2020

MEMORANDUM

TO: Honorable Mayor and Member of the City Commission

THROUGH: Kirk Bednar, City Manager

FROM: Jay Evans, Assistant City Manager JME

Karen Harper, Finance Director KH

SUBJECT: Capital Improvements Program Funding

The attached City of Brentwood six-year Capital Improvements Program (CIP) represents the City's dedication to 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 51 projects and improvements at a total cost of nearly $150 million. As addressed in the previous memo from the City Manager, $123.6 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 $5.39 million FY 2020 year-end transfer of excess revenues from the General Fund to the Capital Projects Fund. It also includes utilization of $1.5 million in Public Works Project Fees.

Completion of a program of this magnitude will require two (2) 20-year General Obligation (GO) bond issuances. The first issuance would be a $5.0 million General Obligation issue in FY 2022 to fund the proposed widening of Ragsdale Road between Split Log Road and the Glen Ellen subdivision, and the second would be a $5.0 million issue in FY 2024 to pay for construction of the Park Operations Facility and Windy Hill Park improvements. These issuances may or may not be "bank qualified", depending on the pricing advantages at the time of issuance. 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 benefit 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 $3.65 million, from the current $3.25 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, intergovernmental sources, and private sources.

Fiscal Year	Direct Project Funding	Transfer to Debt Service Fund	Total General Fund Related Support
2021	$ 30,185,000	$ 3,350,000	$ 33,535,000
2022	14,375,000	$ 3,450,000	17,825,000
2023	11,565,000	$ 3,550,000	15,115,000
2024	11,435,000	$ 3,650,000	15,085,000
2025	11,395,000	$ 3,650,000	15,045,000
2026	5,060,000	$ 3,650,000	8,710,000
Total	**$ 84,015,000**	**$ 21,300,000**	**$ 105,315,000**

The City's Water and Sewer Fund is expected to issue $5.0 in bonds in FY 2022 to finance a portion of the sewer system's $9.5 million wet weather storage facility that has been identified by TDEC as a necessary improvement. Although current revenue projections are expected to fund the infrastructure improvements in the planning period, an update to the rate study is planned for FY 2021 to identify any changes that may be necessary. 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 2020-26

A RESOLUTION TO ADOPT A CAPITAL IMPROVEMENTS PROGRAM FOR THE CITY OF BRENTWOOD FOR THE FISCAL YEARS 2021-2026

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 2021-2026, 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 22, 2020

Approved as to form:

_____
RECORDER Holly Earls

_____
CITY ATTORNEY Kristen Corn

BRENTWOOD

CITY OF

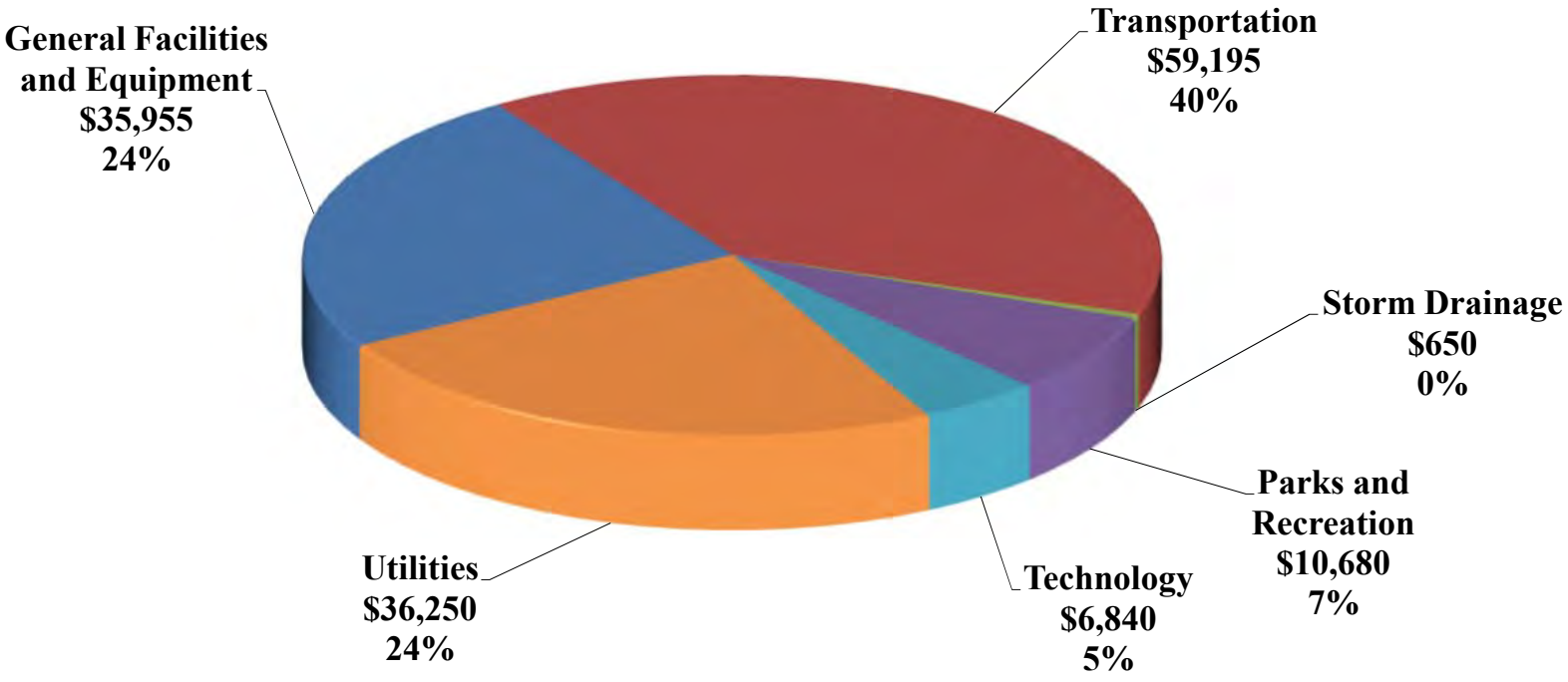
TENNESSEE

1969

ARDENS·FIDE

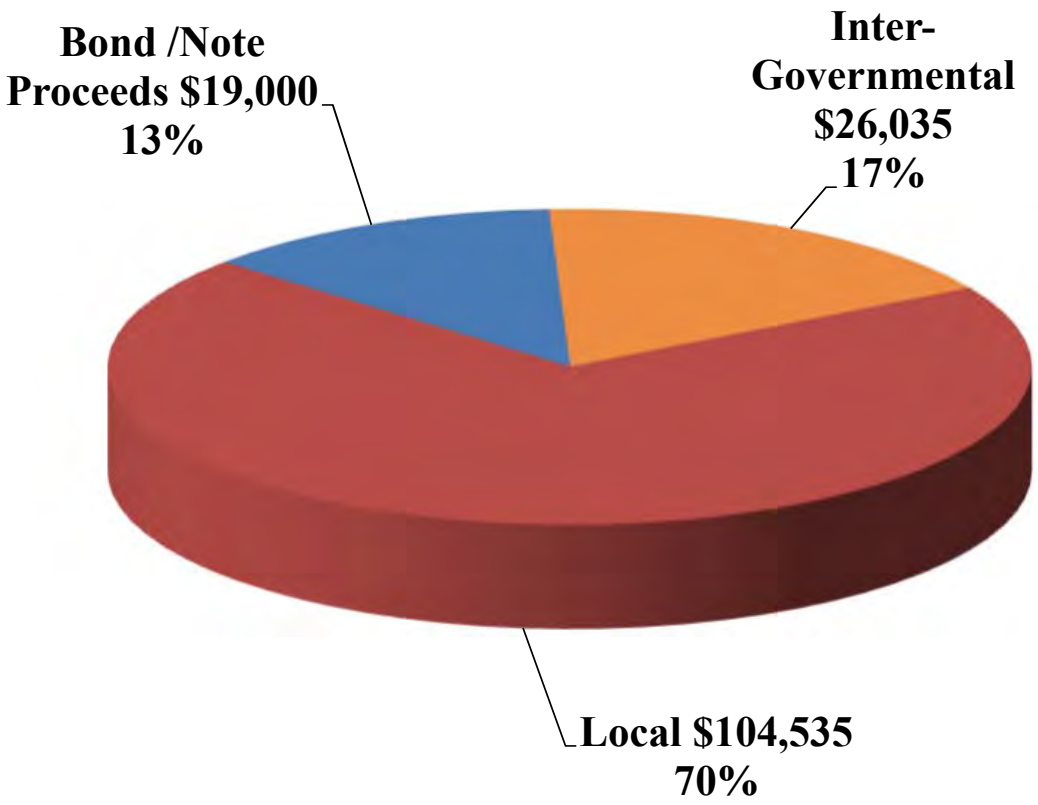
SUMMARIES

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Years 2021-2026
Program Expenditures
(000's)



Total for All Programs
$149,570

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Years 2021-2026
Funding by Source
(000's)



Total for All Programs
$149,570

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Program Expenditures - Summary
(000's)

Program	Projected FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total 6 Years 2021-2026
General Facilities and Equipment	13,655	18,640	3,905	4,540	2,050	5,190	1,630	35,955
Technology	1,360	1,700	1,805	670	930	935	800	6,840
Transportation	16,005	17,440	14,325	8,125	11,115	4,595	3,595	59,195
Storm Drainage	70	300	70	70	70	70	70	650
Parks and Recreation	2,955	3,500	1,440	610	1,230	2,675	1,225	10,680
Utilities	5,745	5,780	13,600	6,190	3,820	4,920	1,940	36,250
Grand Total	**39,790**	**47,360**	**35,145**	**20,205**	**19,215**	**18,385**	**9,260**	**149,570**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Sources of Funds - Summary
(000's)

Source	Projected FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total 6 Years 2021-26
Capital Projects Fund	5,585	17,765	1,920	-	1,000	-	-	20,685
Emergency Communications District Fund	5	285	1,480	15	10	35	5	1,830
Equipment Replacement Division	1,280	1,750	1,410	2,145	1,230	1,945	2,075	10,555
Facilities Maintenance Division	560	600	590	410	630	300	300	2,830
General Fund	885	870	3,765	6,740	5,505	3,980	2,515	23,375
General Fund (Unrestricted Balance)	2,600	5,000	6,000	-	-	-	-	11,000
General Obligation Bond Proceeds	11,000	4,000	-	2,100	2,900	5,000	-	14,000
Municipal Center Fund	220	200	690	170	170	170	170	1,570
Private Sources	75	500	280	635	5	5	255	1,680
Public Works Project Fee Fund	2,750	500	-	-	1,000	-	-	1,500
Inter-Governmental Sources	7,000	8,525	5,510	-	1,000	-	-	15,035
State Street Aid Fund	2,065	1,600	1,700	1,800	1,900	2,000	2,000	11,000
Water and Sewer Fund	4,955	2,090	5,335	3,880	3,200	1,940	1,900	18,345
Water Tap Fees and NCGUD Grove Tap Fees	100	1,950	175	2,270	625	2,970	-	7,990
Sewer Tap Fees	710	1,725	1,290	40	40	40	40	3,175
Water & Sewer Bond/Note Proceeds	-	-	5,000	-	-	-	-	5,000
Grand Total	**39,790**	**47,360**	**35,145**	**20,205**	**19,215**	**18,385**	**9,260**	**149,570**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Summary - All Projects
(000's)

		Projected FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total 6 Years 2021-2026
General Facilities	Community Identity Features	-	60	15	15	15	15	15	135
	Community Planning	15	-	-	60	-	50	-	110
	Equipment and Vehicles	765	1,220	1,225	1,495	440	1,080	1,320	6,780
	Fire Stations	135	275	1,550	2,525	-	-	-	4,350
	Library	300	85	50	50	350	50	50	635
	Municipal Center	220	200	690	170	170	170	170	1,570
	Park Operations Facility	-	-	-	150	1,000	3,000	-	4,150
	Police Headquarters	12,145	16,685	-	-	-	-	-	16,685
	Safety Center East	25	65	25	25	25	25	25	190
	Service Center	50	50	50	50	50	800	50	1,050
	Town Center Improvements	-	-	300	-	-	-	-	300
	Total - General Facilities	**13,655**	**18,640**	**3,905**	**4,540**	**2,050**	**5,190**	**1,630**	**35,955**
Technology	Computer Equipment	615	575	275	630	780	910	765	3,935
	Emergency Communications Center	0	145	1345	0	0	0	0	1,490
	Fiber Network	25	100	100	0	0	0	0	200
	GIS	0	0	0	0	75	0	0	75
	Radio System	85	100	0	0	0	0	0	100
	Security System	400	225	0	0	0	0	0	225
	Software Systems	235	555	50	40	40	25	0	710
	Warning Sirens	0	0	35	0	35	0	35	105
	Total - Technology	**1,360**	**1,700**	**1,805**	**670**	**930**	**935**	**800**	**6,840**
Transportation	ADA Retrofits	100	300	300	300	300	300	300	1,800
	Bike and Pedestrian	745	910	350	350	2,070	350	350	4,380
	Bridges	310	-	-	-	-	-	-	-
	Franklin Road - South	7,010	7,640	3,500	-	-	-	-	11,140
	McEwen Drive	-	3,200	6,000	630	-	-	-	9,830
	Murray Lane	15	500	500	-	-	-	-	1,000
	Ragsdale Road	-	-	1,000	4,100	5,900	1,000	-	12,000
	Street Lighting	-	-	50	20	20	20	20	130
	Street Resurfacing	2,865	2,400	2,500	2,600	2,700	2,800	2,800	15,800
	Sunset Road	4,540	2,155	-	-	-	-	-	2,155

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Summary - All Projects
(000's)

		Projected FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total 6 Years 2021-2026
Transportation Cont'd	Sunset-Ragsdale Realignment	-	200	-	-	-	-	-	200
	Traffic Signal Upgrades	420	135	125	125	125	125	125	760
	Total - Transportation	**16,005**	**17,440**	**14,325**	**8,125**	**11,115**	**4,595**	**3,595**	**59,195**
Storm Drainage	Derby Glen	-	200	-	-	-	-	-	200
	Raintree Forest	-	30	-	-	-	-	-	30
	Subdivision Drainage	70	70	70	70	70	70	70	420
	Total - Storm Drainage	**70**	**300**	**70**	**70**	**70**	**70**	**70**	**650**
Parks/Recreation									
	Crockett Park	90	80	175	510	1,050	525	1,075	3,415
	Deerwood Arboretum	-	10	40	10	-	-	-	60
	Flagpole and Wikle	-	-	-	-	15	-	-	15
	Granny White Park	55	235	1,145	30	50	50	50	1,560
	Marcella Vivrette Smith Park	135	290	55	-	15	-	100	460
	Maryland Way Park	10	120	-	-	-	-	-	120
	Owl Creek Park	35	-	-	60	-	-	-	60
	River Park	-	70	-	-	-	-	-	70
	Tower Park	-	45	25	-	-	-	-	70
	Windy Hill Park	2,630	2,650	-	-	100	2,100	-	4,850
	Total - Parks/Recreation	**2,955**	**3,500**	**1,440**	**610**	**1,230**	**2,675**	**1,225**	**10,680**
Utilities	Meter Reading Program Upgrade	285	-	-	-	-	-	-	-
	Miscellaneous Sewer Service Additions	10	475	45	45	45	45	45	700
	Miscellaneous Sewer System Improvements	945	205	110	110	110	110	110	755
	Miscellaneous Water System Improvements	80	200	90	90	110	110	110	710
	Sewer Rehabilitation Program	425	705	1,105	1,105	1,105	1,105	1,105	6,230
	Sewer System Capacity Improvements	1,415	1,395	9,485	-	575	-	-	11,455
	Sewer Lift Station Rehabilitation	520	410	-	-	-	-	-	410
	Water Line Replacement Program	1,965	440	2,590	2,570	1,250	580	570	8,000
	Water System Capacity Improvements	100	1,950	175	2,270	625	2,970	-	7,990
	Total - Utilities	**5,745**	**5,780**	**13,600**	**6,190**	**3,820**	**4,920**	**1,940**	**36,250**
TOTALS		**39,790**	**47,360**	**35,145**	**20,205**	**19,215**	**18,385**	**9,260**	**149,570**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021-2026
General Facilities and Equipment Program - Summary
(000's)

Projects	Projected FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total 6 Years 2021-2026
Community Identity Features	-	60	15	15	15	15	15	135
Community Planning	15	-	-	60	-	50	-	110
Equipment and Vehicles	765	1,220	1,225	1,495	440	1,080	1,320	6,780
Fire Stations	135	275	1,550	2,525	-	-	-	4,350
Library	300	85	50	50	350	50	50	635
Municipal Center	220	200	690	170	170	170	170	1,570
Park Operations Facility	-	-	-	150	1,000	3,000	-	4,150
Police Headquarters	12,145	16,685	-	-	-	-	-	16,685
Safety Center East	25	65	25	25	25	25	25	190
Service Center	50	50	50	50	50	800	50	1,050
Town Center Improvements	-	-	300	-	-	-	-	300
Grand Total	**13,655**	**18,640**	**3,905**	**4,540**	**2,050**	**5,190**	**1,630**	**35,955**

Source of Funds								
Capital Projects Fund	1,355	7,255	900	-	1,000	-	-	9,155
General Fund	-	-	755	2,750	15	815	15	4,350
General Fund - Unrestricted Balance	-	4,000	-	-	-	-	-	4,000
G O Bond Proceeds	11,000	4,000	-	-	-	3,000	-	7,000
Equipment Replacement Division	705	1,195	1,225	1,495	440	1,080	1,320	6,755
Facilities Maintenance Division	375	165	125	125	425	125	125	1,090
Inter-Governmental Sources	-	1,525	210	-	-	-	-	1,735
Municipal Center Fund	220	200	690	170	170	170	170	1,570
Private Sources	-	50	-	-	-	-	-	50
Water and Sewer Fund	-	-	-	-	-	-	-	-
ECD Fund	-	250	-	-	-	-	-	250
Grand Total	**13,655**	**18,640**	**3,905**	**4,540**	**2,050**	**5,190**	**1,630**	**35,955**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Technology Program - Summary
(000's)

Projects	**Projected FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**Total 6 Years 2021-26**
Computer Equipment	615	575	275	630	780	910	765	3,935
Emergency Communications Center	-	145	1,345	-	-	-	-	1,490
Fiber Network	25	100	100	-	-	-	-	200
GIS	-	-	-	-	75	-	-	75
Radio System	85	100	-	-	-	-	-	100
Security System	400	225	-	-	-	-	-	225
Software Systems	235	555	50	40	40	25	-	710
Warning Sirens	-	-	35	-	35	-	35	105
Grand Total	**1,360**	**1,700**	**1,805**	**670**	**930**	**935**	**800**	**6,840**
Source of Funds								
Capital Projects Fund	760	1,075	20	-	-	-	-	1,095
General Fund	-	-	115	-	80	-	35	230
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Equipment Replacement Division	575	555	185	650	790	865	755	3,800
Facilities Maintenance Division	-	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Municipal Center Fund	-	-	-	-	-	-	-	-
Water and Sewer Fund	20	35	5	5	50	35	5	135
ECD Fund	5	35	1,480	15	10	35	5	1,580
Grand Total	**1,360**	**1,700**	**1,805**	**670**	**930**	**935**	**800**	**6,840**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Transportation - Summary
(000's)

Projects	Projected FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total 6 Years 2021-2026
ADA Retrofits	100	300	300	300	300	300	300	1,800
Bike and Pedestrian	745	910	350	350	2,070	350	350	4,380
Bridges	310	-	-	-	-	-	-	-
Franklin Road - South	7,010	7,640	3,500	-	-	-	-	11,140
McEwen Drive	-	3,200	6,000	630	-	-	-	9,830
Murray Lane	15	500	500	-	-	-	-	1,000
Ragsdale Road	-	-	1,000	4,100	5,900	1,000	-	12,000
Street Lighting	-	-	50	20	20	20	20	130
Street Resurfacing	2,865	2,400	2,500	2,600	2,700	2,800	2,800	15,800
Sunset Road	4,540	2,155	-	-	-	-	-	2,155
Sunset-Ragsdale Realignment	-	200	-	-	-	-	-	200
Traffic Signal Upgrades	420	135	125	125	125	125	125	760
Grand Total	**16,005**	**17,440**	**14,325**	**8,125**	**11,115**	**4,595**	**3,595**	**59,195**

Source of Funds

Capital Projects Fund	3,295	7,255	500	-	-	-	-	7,755
General Fund	815	800	2,575	3,545	4,265	2,545	1,545	15,275
General Fund - Unrestricted Balance	-	-	6,000	-	-	-	-	6,000
G O Bond Proceeds	-	-	-	2,100	2,900	-	-	5,000
Facilities Maintenance Division	5	60	50	50	50	50	50	310
Private Sources	75	225	-	630	-	-	-	855
Public Works Project Fund	2,750	500	-	-	1,000	-	-	1,500
Inter-Governmental Sources	7,000	7,000	3,500	-	1,000	-	-	11,500
State Street Aid Fund	2,065	1,600	1,700	1,800	1,900	2,000	2,000	11,000
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	**16,005**	**17,440**	**14,325**	**8,125**	**11,115**	**4,595**	**3,595**	**59,195**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Storm Drainage Program - Summary
(000's)

Projects	**Projected FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**Total 6 Years 2021-2026**
Derby Glen	-	200	-	-	-	-	-	200
Raintree Forest	-	30	-	-	-	-	-	30
Subdivision Drainage	70	70	70	70	70	70	70	420
Grand Total	**70**	**300**	**70**	**70**	**70**	**70**	**70**	**650**

Source of Funds								
Capital Projects Fund	-	230	-	-	-	-	-	230
General Fund	70	70	70	70	70	70	70	420
G O Bond Proceeds	-	-	-	-	-	-	-	-
Grand Total	**70**	**300**	**70**	**70**	**70**	**70**	**70**	**650**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Parks and Recreation Program - Summary
(000's)

Projects	**Projected FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**Total 6 Years 2021-2026**
Crockett Park	90	80	175	510	1,050	525	1,075	3,415
Deerwood Arboretum	-	10	40	10	-	-	-	60
Flagpole and Wikle	-	-	-	-	15	-	-	15
Granny White Park	55	235	1,145	30	50	50	50	1,560
Marcella Vivrette Smith Park	135	290	55	-	15	-	100	460
Maryland Way Park	10	120	-	-	-	-	-	120
Owl Creek Park	35	-	-	60	-	-	-	60
River Park	-	70	-	-	-	-	-	70
Tower Park	-	45	25	-	-	-	-	70
Windy Hill Park	2,630	2,650	-	-	100	2,100	-	4,850
Grand Total	**2,955**	**3,500**	**1,440**	**610**	**1,230**	**2,675**	**1,225**	**10,680**
Source of Funds								
Capital Projects Fund	175	1,950	500	-	-	-	-	2,450
General Fund	-	-	250	375	1,075	550	850	3,100
General Fund - Unrestricted Balance	2,600	1,000	-	-	-	-	-	1,000
G O Bond Proceeds	-	-	-	-	-	2,000	-	2,000
Facilities Maintenance Division	180	375	415	235	155	125	125	1,430
Private Sources	-	175	275	-	-	-	250	700
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	**2,955**	**3,500**	**1,440**	**610**	**1,230**	**2,675**	**1,225**	**10,680**

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Water and Sewer Program - Summary
(000's)

Projects	Projected 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total 6 Years 2021-2026
Meter Reading Program Upgrade	285	-	-	-	-	-	-	-
Miscellaneous Sewer Service Additions	10	475	45	45	45	45	45	700
Miscellaneous Sewer System Improvements	945	205	110	110	110	110	110	755
Miscellaneous Water System Improvements	80	200	90	90	110	110	110	710
Sewer Rehabilitation Program	425	705	1,105	1,105	1,105	1,105	1,105	6,230
Sewer System Capacity Improvements	1,415	1,395	9,485	-	575	-	-	11,455
Sewer Lift Station Rehabilitation	520	410	-	-	-	-	-	410
Water Line Replacement Program	1,965	440	2,590	2,570	1,250	580	570	8,000
Water System Capacity Improvements	100	1,950	175	2,270	625	2,970	-	7,990
Grand Total	**5,745**	**5,780**	**13,600**	**6,190**	**3,820**	**4,920**	**1,940**	**36,250**

Source of Funds								
Water and Sewer Fund	4,935	2,055	5,330	3,875	3,150	1,905	1,895	18,210
Water Tap Fees and NCGUD Grove Tap Fees	100	1,950	175	2,270	625	2,970	-	7,990
Sewer Tap Fees	710	1,725	1,290	40	40	40	40	3,175
Private Sources	-	50	5	5	5	5	5	75
Inter-Governmental Sources	-	-	1,800	-	-	-	-	1,800
Water and Sewer Bond/Note Proceeds	-	-	5,000	-	-	-	-	5,000
Grand Total	**5,745**	**5,780**	**13,600**	**6,190**	**3,820**	**4,920**	**1,940**	**36,250**

BRENTWOOD

CITY OF

TENNESSEE

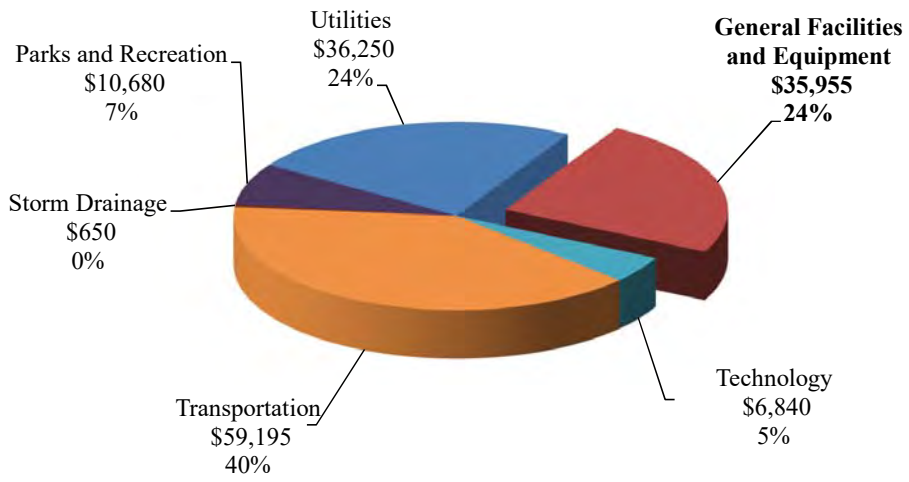
1969

ARDENS·FIDE

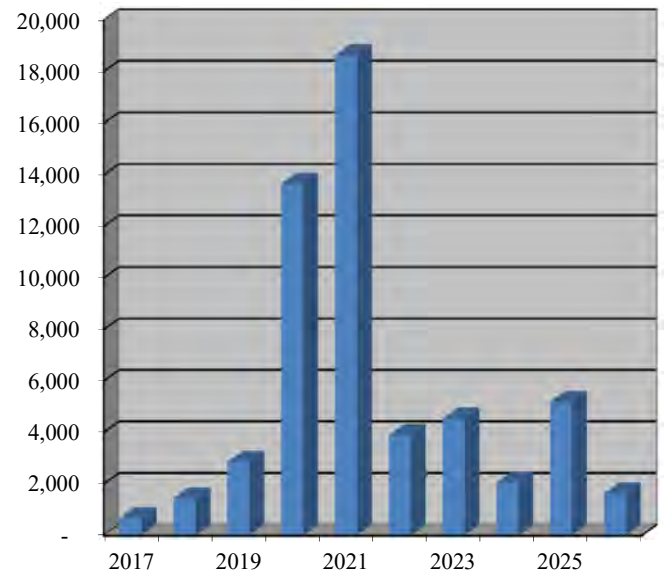
GENERAL FACILITIES and EQUIPMENT

GENERAL FACILITIES AND EQUIPMENT

FISCAL YEARS 2021-2026



Amounts in 000's



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021-2026
General Facilities and Equipment Program - Summary
(000's)

Projects	Projected FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total 6 Years 2021-2026
Community Identity Features	-	60	15	15	15	15	15	135
Community Planning	15	-	-	60	-	50	-	110
Equipment and Vehicles	765	1,220	1,225	1,495	440	1,080	1,320	6,780
Fire Stations	135	275	1,550	2,525	-	-	-	4,350
Library	300	85	50	50	350	50	50	635
Municipal Center	220	200	690	170	170	170	170	1,570
Park Operations Facility	-	-	-	150	1,000	3,000	-	4,150
Police Headquarters	12,145	16,685	-	-	-	-	-	16,685
Safety Center East	25	65	25	25	25	25	25	190
Service Center	50	50	50	50	50	800	50	1,050
Town Center Improvements	-	-	300	-	-	-	-	300
Grand Total	**13,655**	**18,640**	**3,905**	**4,540**	**2,050**	**5,190**	**1,630**	**35,955**

Source of Funds								
Capital Projects Fund	1,355	7,255	900	-	1,000	-	-	9,155
General Fund	-	-	755	2,750	15	815	15	4,350
General Fund - Unrestricted Balance	-	4,000	-	-	-	-	-	4,000
G O Bond Proceeds	11,000	4,000	-	-	-	3,000	-	7,000
Equipment Replacement Division	705	1,195	1,225	1,495	440	1,080	1,320	6,755
Facilities Maintenance Division	375	165	125	125	425	125	125	1,090
Inter-Governmental Sources	-	1,525	210	-	-	-	-	1,735
Municipal Center Fund	220	200	690	170	170	170	170	1,570
Private Sources	-	50	-	-	-	-	-	50
Water and Sewer Fund	-	-	-	-	-	-	-	-
ECD Fund	-	250	-	-	-	-	-	250
Grand Total	**13,655**	**18,640**	**3,905**	**4,540**	**2,050**	**5,190**	**1,630**	**35,955**

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 2020 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 2020 funding from the Capital Projects Fund is carried forward to 2021, together with an additional $15,000 for a total of $60,000 available for entrance signs. Funding is allocated in future years for beautification projects as identified.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering								
Construction		60	15	15	15	15	15	135
TOTAL EXPENDITURES	-	60	15	15	15	15	15	135
SOURCE OF FUNDS								
Capital Projects Fund		60						60
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	-	60	15	15	15	15	15	135

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 2020 funding ($15,000) provided for completion of a study to update the Public Works Project Fee schedule. The fee updates were adopted by the Board and became effective January 1, 2020. Funding in FY 2023 includes $60,000 for a special census, and $50,000 has been allocated in FY 2025 for a possible minor update to the Brentwood 2030 Plan, if deemed necessary.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Consultant Services	15					50		50
Special Census				60				60
TOTAL EXPENDITURES	15	-	-	60	-	50	-	110
SOURCE OF FUNDS								
Capital Projects Fund	15							
General Fund				60		50		110
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	15	-	-	60	-	50	-	110

JUSTIFICATION

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 insured 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:
(increase in PWPF revenues due to fee increase and increase in state shared revenues as a result of special census)

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) is funded from this account. This 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 2020 funded fourteen (14) replacement vehicles and four (4) new ones in the Police Department, a grapple truck, a heavy-duty pickup truck, and a sickle mower. FY 2021 funding is proposed to purchase two Public Works dump trucks ($225,000), nine (9) Police vehicles ($340,000). Additionally, the following equipment not previously in the Equipment Replacement Fund has been added: an air curtain burner ($155,000), sixteen (16) SCBA air packs and thirty two (32) air cylinders ($160,000) for the Fire & Rescue Department, a mini-excavator ($50,000) for Parks, a street sweeper ($265,000). New smaller equipment purchases include a rake attachment for a front end loader ($10,000), and a scissor lift ($15,000). Funds for the new additions will be provided by a FY 2020 year-end transfer of excess revenues from the General Fund to the Equipment Replacement Fund ($630,000) and Capital Projects Fund ($25,000). Expenditures beyond 2021 are largely programmed fleet replacements.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Public Works Vehicles/Equipment	205	645	350	335	50	105	350	1,835
Fire Pumper/Ladder				865		485	360	1,710
Parks Equipment		50	135				70	255
Police Vehicles	500	340	740	295	390	490	540	2,795
Misc. Equipment	60	185						185
TOTAL EXPENDITURES	765	1,220	1,225	1,495	440	1,080	1,320	6,780
SOURCE OF FUNDS								
Capital Projects Fund	60	25						25
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	705	1,195	1,225	1,495	440	1,080	1,320	6,755
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
TOTAL FUNDS	765	1,220	1,225	1,495	440	1,080	1,320	6,780

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 2020 projects included resurfacing of the bay floors in Fire Stations 3 and 4 with a non-slip epoxy coating ($75,000) and creation of a Command Training Lab at Station 4 ($60,000). Design, construction, and apparatus acquisition for Station No. 5 on Split Log Road is funded between FY 2021 and 2023. Funding includes a proposed $485,000 grant from the state as part of the Governor's proposed FY 2021 budget, and programmed annual excess General Fund revenue transfers in FY's 2020, 2021, and 2022.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Land Acquisition								
Architectural Services		275	50	25				350
Construction	45		1,500	1,750				3,250
Facility Maintenance	75							
Equipment	15			750				750
TOTAL EXPENDITURES	135	275	1,550	2,525	-	-	-	4,350
SOURCE OF FUNDS								
Capital Projects Fund	135		600					600
General Fund			740	2,525	-			3,265
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources		275	210					485
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	135	275	1,550	2,525	-	-	-	4,350

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 in FY 2020 included repair of the HVAC unit for the computer server room, fire alarm system upgrades, and resealing/striping the parking lot. Re-roofing of the shingle portions of the roof was not expected until summer of 2022, however, the project was accelerated to the spring of 2020 due to leaks (estimated $250,000). Security lighting and cellular boosters ($35,000) are proposed in FY 2021, as well as $50,000 for extraordinary repairs, including replacement of the main entrance sliding doors ($20,000). Funding in FY 2024 includes $350,000 for replacement of the larger of the two chiller units that cool the building. That unit 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 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Architectural Services								
Construction								
Facility Maintenance	300	50	50	50	350	50	50	600
Equipment		35						35
TOTAL EXPENDITURES	300	85	50	50	350	50	50	635
SOURCE OF FUNDS								
Capital Projects Fund		35						35
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division	300	50	50	50	350	50	50	600
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	300	85	50	50	350	50	50	635

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 in FY 2018 to leak-prone areas that should extend the life of the roof an additional 5 years or more. The original shingle portions of the roof were 20-year shingles and outlived their useful life as of early 2020. The expansion sections of the shingle roof were 10-year shingles, which were also in need of replacement at that time.

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 35+ 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 in FY 2020 provided for repaving of the front parking lot and rear main drive aisle. In anticipation of the Police Department relocating to the new headquarters facility in FY 2021, a space needs analysis and design ($50,000) are funded in FY 2021 for the reprogramming of the space the Police Department will vacate. Placeholder funding of $500,000 is provided for renovations in FY 2022. Additionally, funding of $150,000 is provided in each year in anticipation of larger repair and maintenance projects to this 35 year-old facility.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Construction	200	150	650	150	150	150	150	1,400
Architectural Services	20	50	40	20	20	20	20	170
Consultant Services								
TOTAL EXPENDITURES	220	200	690	170	170	170	170	1,570
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	220	200	690	170	170	170	170	1,570
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	220	200	690	170	170	170	170	1,570

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, are awaiting the 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 $4.1M has been established for this project, with proposed funding include $3 million in G.O. bonds to be issued in FY 2025.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Planning/Engineering				150	50	80		280
Buildings, Facilities, etc.					950	2,920		3,870
Furniture/Equipment								
Landscaping/Trees								
TOTAL EXPENDITURES	-	-	-	150	1,000	3,000	-	4,150
SOURCE OF FUNDS								
Capital Projects Fund					1,000			1,000
General Fund				150				150
General Fund (Unrestricted Balance)								
G O Bond Proceeds						3,000		3,000
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	-	-	-	150	1,000	3,000	-	4,150

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	**200**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**245**

(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

Construction of this facility began in the fall of 2019 and is expected to be complete early in 2021. The total project cost including construction, furniture, equipment, schematic design, final design, construction administration, and other consultant services is $29.55 million, which includes $1.3 million in contingency. Initial funding was allocated in FY 2018 with additional funding added in FY's 19 and 20, including a $15 million G.O. bond issue in FY 2020. Final funding for the project to be provided in FY 2021 includes $1.95 million from the planned FY 2020 year-end General Fund transfer of excess revenue, utilization of $4.0 million in unrestricted fund balance from the General Fund, a $1.25 million contribution from Williamson County for EMS, $250,000 from ECD for dispatch space construction, and $50,000 in private contributions.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Construction	11,000	13,980						13,980
Design/Consultant Services	1,145	230						230
Furniture and Equipment		2,475						2,475
TOTAL EXPENDITURES	12,145	16,685	-	-	-	-	-	16,685
SOURCE OF FUNDS								
Capital Projects Fund	1,145	11,135						11,135
General Fund								
General Fund (Unrestricted Balance)		4,000						4,000
G O Bond Proceeds	11,000							
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources		1,250						1,250
Municipal Center Fund								
Private Sources		50						50
Water and Sewer Fund								
ECD Fund		250						250
TOTAL FUNDS	12,145	16,685	-	-	-	-	-	16,685

JUSTIFICATION

When City Hall 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 City Hall.

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 2020 funding was provided by the Facilities Maintenance Fund for extraordinary repairs. This included fire sprinkler maintenance and replacement of the main fire alarm panel. Facilities Maintenance funding in the amount of $40,000 is programmed in FY 2021 to reroof this building. An evaluation of the roof in early 2020 showed significant granule loss in the asphalt shingles, missing shingles, and exposed nails, felt, and wood decking. Additionally, $25,000 is provided for extraordinary repair projects that may arise during the year.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Design Services								
Construction / Equipment								
Facility Maintenance	25	65	25	25	25	25	25	190
TOTAL EXPENDITURES	25	65	25	25	25	25	25	190
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Fund								
Facilities Maintenance Fund	25	65	25	25	25	25	25	190
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	25	65	25	25	25	25	25	190

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

Repairs in FY 2020 included replacement of heaters in the fire bay and LED lighting retrofits. Funding is provided in FY 2021 and thereafter for extraordinary repairs ($50,000/yr). 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 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Design Services						70		70
Equipment								
Construction						680		680
Facility Maintenance	50	50	50	50	50	50	50	300
TOTAL EXPENDITURES	50	50	50	50	50	800	50	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	800	50	1,050

JUSTIFICATION

This 27 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 was reallocated in FY 2020 to other CIP projects. Funding of $300,000 remains allocated here and is shown in FY 2022 should an appropriate project in the Town Center area be identified.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
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

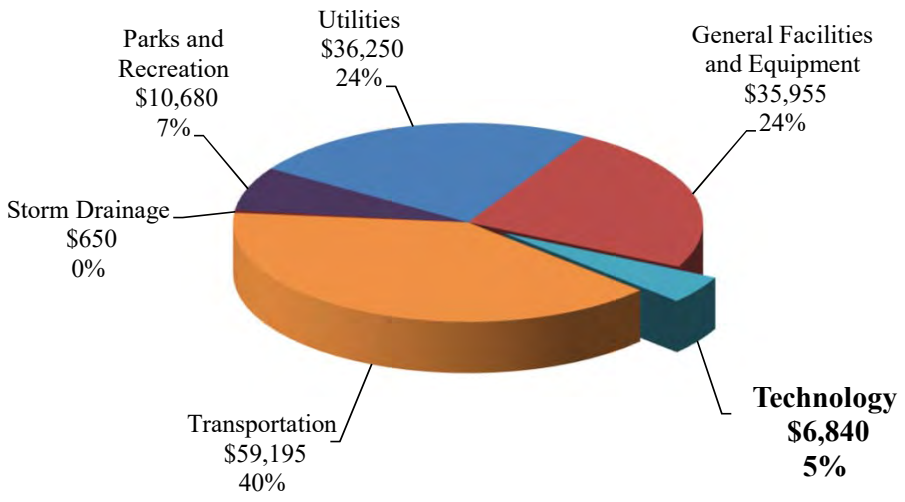
1969

ARDENS FIDE

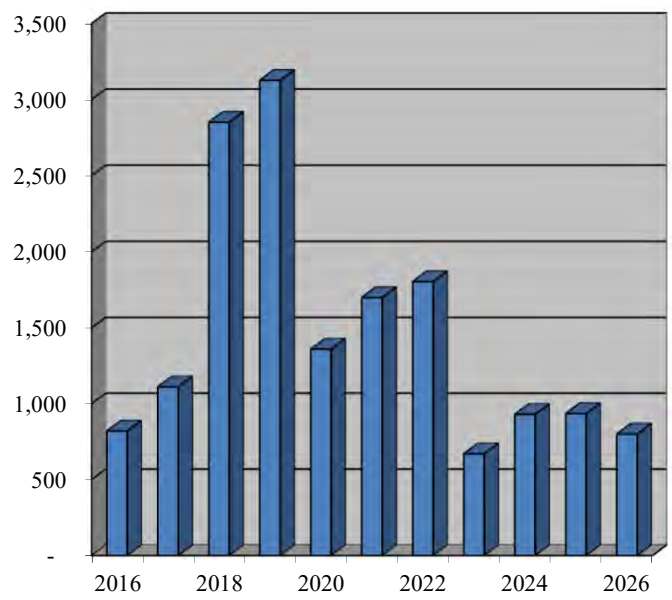
TECHNOLOGY

TECHNOLOGY

FISCAL YEARS 2021-2026



Amounts in 000's



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Technology Program - Summary
(000's)

Projects	**Projected FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**Total 6 Years 2021-26**
Computer Equipment	615	575	275	630	780	910	765	3,935
Emergency Communications Center	-	145	1,345	-	-	-	-	1,490
Fiber Network	25	100	100	-	-	-	-	200
GIS	-	-	-	-	75	-	-	75
Radio System	85	100	-	-	-	-	-	100
Security System	400	225	-	-	-	-	-	225
Software Systems	235	555	50	40	40	25	-	710
Warning Sirens	-	-	35	-	35	-	35	105
Grand Total	**1,360**	**1,700**	**1,805**	**670**	**930**	**935**	**800**	**6,840**
Source of Funds								
Capital Projects Fund	760	1,075	20	-	-	-	-	1,095
General Fund	-	-	115	-	80	-	35	230
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Equipment Replacement Division	575	555	185	650	790	865	755	3,800
Facilities Maintenance Division	-	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Municipal Center Fund	-	-	-	-	-	-	-	-
Water and Sewer Fund	20	35	5	5	50	35	5	135
ECD Fund	5	35	1,480	15	10	35	5	1,580
Grand Total	**1,360**	**1,700**	**1,805**	**670**	**930**	**935**	**800**	**6,840**

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

Funding in FY 2020 replaced 28 mobile data terminals and 59 computers in various departments. Additionally, the remaining 34 in-car wireless devices in the Police Department were replaced. FY 2021 funding will replace 16 computers and 32 mobile data terminals in PD ($123,000), 16 computers in FD ($26,000), 21 computers in the Library ($47,000), and 44 computers in other departments ($104,000). Other technology purchases will include replacement of the video wall at the traffic operations center ($12,000), infrastructure components such as switches, firewalls, and phone routers ($190,000), approximately $35,000 of computers each in both Water Services and ECD, and a new video server and storage array ($40,000). The latter will require a 2020 FYE appropriation of General Fund excess revenues to the Equipment Replacement Fund ($40,000).

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Computer/Hardware/Equipment	540	575	275	630	780	910	765	3,935
GPS Equipment	75							
Commission Chambers A/V								
TOTAL EXPENDITURES	615	575	275	630	780	910	765	3,935
SOURCE OF FUNDS								
Capital Projects Fund	75							
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	515	505	135	610	750	840	755	3,595
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund	20	35	5	5	20	35	5	105
ECD Fund	5	35	135	15	10	35	5	235
TOTAL FUNDS	615	575	275	630	780	910	765	3,935

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 and facilities needed to maintain a state of the art Public Safety 911 and emergency communications center. CAD is the Computer Aided Dispatch system that enables dispatchers to electronically coordinate public safety resources in response to emergency calls for service.

STATUS

The majority of the CAD system replacement was completed in FY 2017. However, $145,000 is still retained by the City pending final acceptance of the CAD-to-CAD functionality. 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 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Architecture/Engineering								
Electrical/Generator								
Computer Equipment			850					850
Communication Equipment			495					495
Computer Software		145						145
Construction								
TOTAL EXPENDITURES	-	145	1,345	-	-	-	-	1,490
SOURCE OF FUNDS								
Capital Projects Fund		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	-	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 2020 is for design of the fiber system expansion that will connect the new Police Department headquarters site on Heritage Way to the existing fiber on Concord Road and along I-65. Construction of this expansion is expected in early FY 2021 to be in place prior to completion of the Police HQ project.

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 ($100,000). Installation of conduit for underground routing of the fiber is part of the Franklin Road project.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	25		10					10
Construction		100	90					190
TOTAL EXPENDITURES	25	100	100	-	-	-	-	200
SOURCE OF FUNDS								
Capital Projects Fund	25	100	20					120
General Fund			80					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								
ECD Fund								
TOTAL FUNDS	25	100	100	-	-	-	-	200

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)	1
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	1

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. When possible, the City tries to work closely with Williamson County and the City of Franklin to partner in the work, thereby reducing the cost for all jurisdictions.

STATUS

Funding is provided in 2024 for an update of both aerial photography and planimetric data. Interim aerial photography updates are expected to be available on a more routine basis through a new subscription service to be funded in the GIS annual operating budget.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
GIS					75			75
TOTAL EXPENDITURES	-	-	-	-	75	-	-	75
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund					45			45
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund					30			30
ECD Fund								
TOTAL FUNDS	-	-	-	-	75	-	-	75

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.

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. While the system became operational in early 2019, there are still some technical issues to be resolved, including final coverage testing once the final tower is constructed in the county. Upgrades to the non-public safety radios were completed in FY 2019. FY 2021 funding provides for the final system payment following final coverage testing and acceptance expected in late calendar year 2020.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering								
Equipment	85	100						100
Construction								
TOTAL EXPENDITURES	85	100	-	-	-	-	-	100
SOURCE OF FUNDS								
Capital Projects Fund	85	100						100
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	85	100	-	-	-	-	-	100

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 through 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.

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 2021 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 18 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 in the region has necessitated the need for additional surveillance devices at certain locations to assist the Police Department in criminal investigations.

STATUS

Funding in FY 2020 was provided to replace the ID card software system and hardware. This project is underway and expected to be completed this summer. A portion of the funding ($75,000) is carried forward to FY 2021 in the event the project closes-out after the end of FY 2020. Funding in 2020 also provide for expansion of the license plate reader system and park security camera system, with additional funding provided in FY 2021 for this purpose ($150,000) as needs may be determined.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Card-Swipe Secure Access System	250	75						75
Park and LPR Security Cameras	150	150						150
TOTAL EXPENDITURES	400	225	-	-	-	-	-	225
SOURCE OF FUNDS								
Capital Projects Fund	400	225						225
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	400	225	-	-	-	-	-	225

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	**55**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**55**
(Annual LPR Subscription Fees)	
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 2020 funding included Public Works and Planning and Codes specialty software and blade server operating systems. Funding in FY 2021 is programmed for upgrading the City's enterprise accounting and HR software package known as GEMS ($450,000) to CitySuite. Remaining with Harris Computer Systems will provide considerable time and monetary savings over transitioning to a completely new platform. Major elements of the new system will include the financial management system, cash receipts, human resource management, utility billing, and certain interfaces required to connect to legacy software. Other software in FY 2021 includes police evidence management software ($35,000) and HR time and attendance ($20,000). A FY 2020 year-end transfer of $505,000 will be required from General Fund excess revenues to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Miscellaneous Software	15	25	25	15	15	25		105
Specialized Department Software	175	55						55
Finance Software		450						450
Blade Server Operating Systems	45	25	25	25	25			100
TOTAL EXPENDITURES	235	555	50	40	40	25	-	710
SOURCE OF FUNDS								
Capital Projects Fund	175	505						505
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	60	50	50	40	40	25		205
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	235	555	50	40	40	25	-	710

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 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
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.

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

OFFSETTING REVENUE:

BRENTWOOD

CITY OF

TENNESSEE

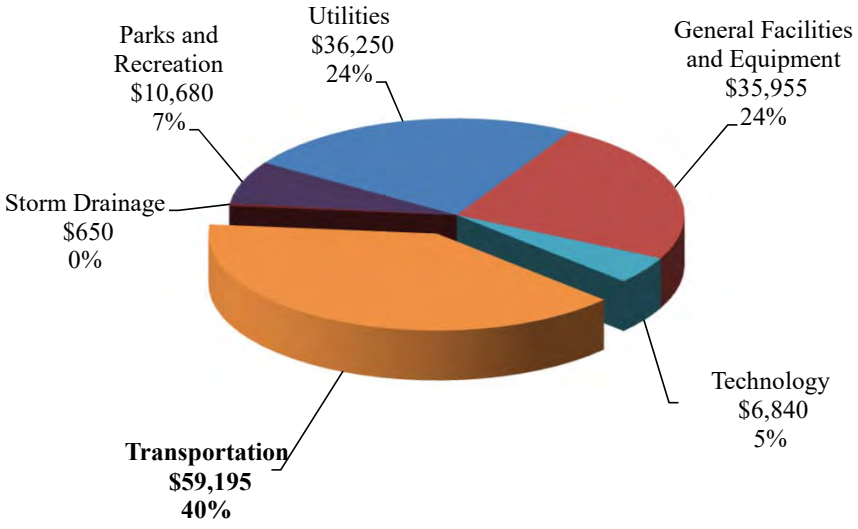
1969

ARDENS·FIDE

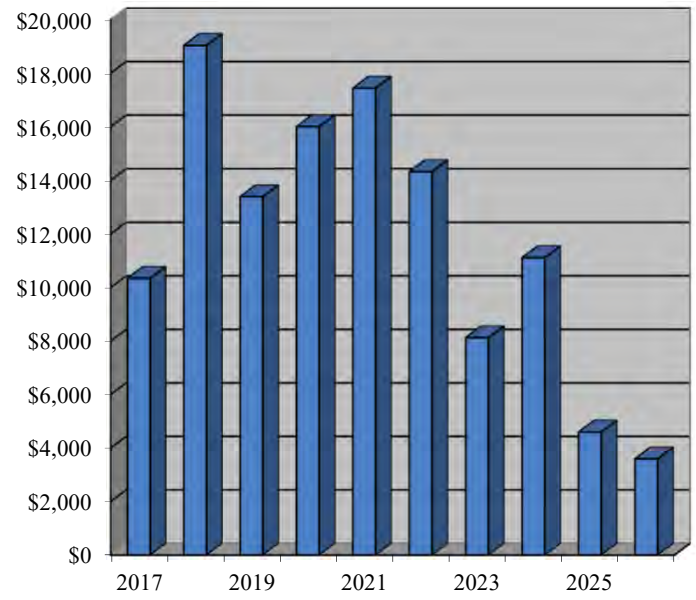
TRANSPORTATION

TRANSPORTATION

FISCAL YEARS 2021-2026



Amounts in 000's



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Transportation - Summary
(000's)

Projects	Projected FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total 6 Years 2021-2026
ADA Retrofits	100	300	300	300	300	300	300	1,800
Bike and Pedestrian	745	910	350	350	2,070	350	350	4,380
Bridges	310	-	-	-	-	-	-	-
Franklin Road - South	7,010	7,640	3,500	-	-	-	-	11,140
McEwen Drive	-	3,200	6,000	630	-	-	-	9,830
Murray Lane	15	500	500	-	-	-	-	1,000
Ragsdale Road	-	-	1,000	4,100	5,900	1,000	-	12,000
Street Lighting	-	-	50	20	20	20	20	130
Street Resurfacing	2,865	2,400	2,500	2,600	2,700	2,800	2,800	15,800
Sunset Road	4,540	2,155	-	-	-	-	-	2,155
Sunset-Ragsdale Realignment	-	200	-	-	-	-	-	200
Traffic Signal Upgrades	420	135	125	125	125	125	125	760
Grand Total	**16,005**	**17,440**	**14,325**	**8,125**	**11,115**	**4,595**	**3,595**	**59,195**

Source of Funds

Capital Projects Fund	3,295	7,255	500	-	-	-	-	7,755
General Fund	815	800	2,575	3,545	4,265	2,545	1,545	15,275
General Fund - Unrestricted Balance	-	-	6,000	-	-	-	-	6,000
G O Bond Proceeds	-	-	-	2,100	2,900	-	-	5,000
Facilities Maintenance Division	5	60	50	50	50	50	50	310
Private Sources	75	225	-	630	-	-	-	855
Public Works Project Fund	2,750	500	-	-	1,000	-	-	1,500
Inter-Governmental Sources	7,000	7,000	3,500	-	1,000	-	-	11,500
State Street Aid Fund	2,065	1,600	1,700	1,800	1,900	2,000	2,000	11,000
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	**16,005**	**17,440**	**14,325**	**8,125**	**11,115**	**4,595**	**3,595**	**59,195**

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 was approved by the Board in November 2019. 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. Funding ($1,800,000) is shown in FY 2021-2026 for implementation of the identified improvements. FY 2021 funding ($300,000) is subject to a FY 2020 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering								
Right of Way Acquisition								
Utility Relocation								
Construction	100	300	300	300	300	300	300	1,800
TOTAL EXPENDITURES	100	300	300	300	300	300	300	1,800
SOURCE OF FUNDS								
Capital Projects Fund	100	300						300
General Fund			300	300	300	300	300	1,500
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	300	300	300	300	300	300	1,800

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. A schedule of priorities for correcting the barriers was included in the adopted ADA transition plan.

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 & 312-43120-89600**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Parks and Public Works**

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 bikeway sections in parks and along roadways.

STATUS

FY 2020 projects included Phase I of the Maryland Farms Greenway Trail, Granny White Pike bike lane study, initial survey and design work on the Raintree Parkway connector to the Witherspoon subdivision, and smaller neighborhood entrance projects at Belle Rive and Highland View.

FY 2021 funding is programmed for construction of the second phase of the Maryland Farms Greenway Trail using $325,000 in savings from Phase I and projected $225,000 in private funding. FY 2021 also includes $300,000 for other bike and pedestrian system expansion, including the Raintree Parkway connector to the Witherspoon subdivision, $50,000 for asphalt overlay of existing trail segments as needed, and $10,000 for engineering evaluation of pedestrian bridges. Recurring funding of $350,000 is provided in future years for system expansion and overlays, with additional funding programmed in FY 2024 for the Franklin Road connection between Murray Lane and Concord Road, subject to possible grant funding from the state or MPO. A portion of FY 2021 funding ($300,000) is subject to a FY 2020 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	80	35	20	20	20	20	20	135
Right of Way Acquisition	10	85			50			135
Utility Relocation								
Construction	655	790	330	330	2,000	330	330	4,110
TOTAL EXPENDITURES	745	910	350	350	2,070	350	350	4,380
SOURCE OF FUNDS								
Capital Projects Fund	740	625						625
General Fund			300	300	1,020	300	300	2,220
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	5	60	50	50	50	50	50	310
Private Sources		225						225
Public Works Project Fund								
Inter-Governmental Sources					1,000			1,000
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	745	910	350	350	2,070	350	350	4,380

JUSTIFICATION

Bike and pedestrian 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

The project to rehabilitate the deteriorated sections of the bridge on Wildwood Valley Drive over the Little Harpeth River was completed in fall of 2019. No additional bridge related projects have been identified at this time over the next six year period.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	5							
Right of Way Acquisition								
Utility Relocation								
Construction	305							
TOTAL EXPENDITURES	310	-	-	-	-	-	-	-
SOURCE OF FUNDS								
Capital Projects Fund	310							
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	310	-	-	-	-	-	-	-

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	**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 Moore's 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 ($640,000) continues to be reflected as a reserve for future settlement of the few remaining ROW condemnation cases. Note that the state funds reflected in this project are a direct state payment to the contractor, and not funds that pass through the City.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering								
Right of Way Acquisition	10	640						640
Utility Relocation								
Construction	7,000	7,000	3,500					10,500
TOTAL EXPENDITURES	7,010	7,640	3,500	-	-	-	-	11,140
SOURCE OF FUNDS								
Capital Projects Fund	10	640						640
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	3,500					10,500
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	7,010	7,640	3,500	-	-	-	-	11,140

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 an agreement between the cities and subsequent litigation with adjacent developers. 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 to be coordinated with McEwen Drive improvements in the City of Franklin from the intersection of Cool Springs Blvd east to Wilson Pike and approval of construction plans by the Trans Canada gas company. Construction in the area of the gas line could commence in FY 2021. Proposed funding sources at this time include $3.2 million in available funds within the Capital Projects Fund that have been reserved for this project, and an approximately $6.0 million draw down from the undesignated General Fund reserve balance. Also, an updated agreeement between the two cities is being developed.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering								
Right of Way								
Utility Relocation								
Construction		3,200	6,000	630				9,830
TOTAL EXPENDITURES	-	3,200	6,000	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	-	3,200	6,000	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, Clovercroft Road, and eventually Nolensville, Smyrna and I-24 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
(The new road will be maintained by the City of Franklin)

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

OFFSETTING REVENUE:

PROJECT	**Murray Lane**	**Account #**	**311-43100-1053**
PROGRAM	**Transportation**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for improvements to Murray Lane, including its intersection with Holly Tree Gap. This intersection currently functions as a three-way stop, which causes traffic delays during peak commuting and school traffic times. Improvement options being studied include construction of a roundabout or the addition of turn lanes and a traffic signal.

STATUS

An engineering analysis of this intersection has been completed and presented to the Commission. Preliminary design work will begin in early FY 2021, followed by right of way acquisition. Construction could begin in spring of 2021 and likely extend into calendar year 2022. While cost estimates are very preliminary at this time, a total of $1 million from a proposed FY 2020 year-end transfer of General Fund excess revenue to the Capital Projects Fund is proposed to be allocated for this project at this time.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	15	100	10					110
Right of Way		25						25
Utility Relocation								
Construction		375	490					865
TOTAL EXPENDITURES	15	500	500	-	-	-	-	1,000
SOURCE OF FUNDS								
Capital Projects Fund		500	500					1,000
General Fund	15							
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	15	500	500	-	-	-	-	1,000

JUSTIFICATION

This intersection is the last all-way stop intersection of two arterial or collector roads in Brentwood. Beyond normal traffic from surrounding neighborhoods, this intersection serves as a pass-thru point for both regional commuters to and from Maryland Farms and Brentwood residents traveling to and from Scale Elementary school. The all-way stop condition creates significant traffic delays during peak times. The recently completed engineering analysis shows that either improvement scenario under consideration would result in significant improvement in traffic flow through this intersection.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**2**
Debt Service	
(signal operating costs or roundabout landscaping maint.)	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**2**
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 $12 million. Funding is planned in FY 2022 for design of this project ($1.0 million), with right-of-way acquisition ($1 million) and construction ($9.6 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 revenue being transferred to the Capital Projects Fund in fiscal years 2022 through 2024, a proposed $5 million general obligation bond issue in FY 2023, and $1 million from the Public Work Project Fund. Note that this project is conceptual only at this point with no engineering work completed, so costs and timing will likely need to be adjusted as project implementation begins.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering			1,000	200	100	100		1,400
Right of Way Acquisition				1,000				1,000
Utility Relocation								
Construction				2,900	5,800	900		9,600
TOTAL EXPENDITURES	-	-	1,000	4,100	5,900	1,000	-	12,000
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				2,100	2,900			5,000
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	4,100	5,900	1,000	-	12,000

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	**335**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**345**

OFFSETTING REVENUE:

PROJECT	**Street Lighting**	**Account #**	**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 projects have been identified for FY 2021. Funding ($50,000) is tentatively provided in FY 2022 for replacement of the seven remaining high mast lighting fixtures at the I-65/Moore's Lane interchange. Maintenance of those fixtures is the City's responsibility, and they are so old that bulbs and other materials are no longer available. Staff will try to keep the existing lights functional as long as possible until the design of the new interchange is better defined so we know which light poles might remain following construction. Future funding is allocated for projects if and when they are identified.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Construction			50	20	20	20	20	130
TOTAL EXPENDITURES	-	-	50	20	20	20	20	130
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund			50	20	20	20	20	130
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	-	-	50	20	20	20	20	130

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 #**	**110-43120-82640** **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 in 2017, local governments have seen an increase in state shared gas tax revenues the past three years. Phased implementation of the gas tax increase is complete in FY 2020, so future growth in this revenue source will be limited. This additional revenue the past three years has provided a much needed funding boost towards the City's street resurfacing program. The FY 2021 funding level is proposed at $2.4 million. Note that it is projected that the City's ability to continue increasing resources toward pavement resurfacing will level off in future years without further gas tax increases or added General Fund contributions.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Professional Services								
Construction	2,865	2,400	2,500	2,600	2,700	2,800	2,800	15,800
TOTAL EXPENDITURES	2,865	2,400	2,500	2,600	2,700	2,800	2,800	15,800
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund	800	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	2,065	1,600	1,700	1,800	1,900	2,000	2,000	11,000
Water and Sewer Fund								
TOTAL FUNDS	2,865	2,400	2,500	2,600	2,700	2,800	2,800	15,800

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
Debt Service

(annual resurfacing helps reduce routine maintenance expenses)

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

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 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 approximately $8.9 million, funded through a combination of Public Works Project Fees ($5,250,000) allocated over three years including the final $500,000 in FY 2021, $1,000,000 in savings from the previously 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. Construction is underway and is expected to be complete by fall of 2020.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	150	55						55
Right of Way Acquisition		100						100
Utility Relocation	800							
Construction	3,590	2,000						2,000
TOTAL EXPENDITURES	4,540	2,155	-	-	-	-	-	2,155
SOURCE OF FUNDS								
Capital Projects Fund	1,790	1,655						1,655
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund	2,750	500						500
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	4,540	2,155	-	-	-	-	-	2,155

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 was complete in fall of 2018. FY 2021 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 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering								
Right of Way Acquisition		200						200
Utility Relocation								
Construction								
TOTAL EXPENDITURES	-	200	-	-	-	-	-	200
SOURCE OF FUNDS								
Capital Projects Fund		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	-	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	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**3**
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 2020 funding was provided for installation of a new signal at Fountainhead Drive and Franklin Road, which was partially funded with a contribution from the Oman property developer, as well as various equipment upgrades to existing signals. A total of $135,000 is proposed for FY 2021 which includes funding for video detection upgrades at three high volume intersections, signal cabinet upgrades at four intersections, and additional CCTV traffic monitoring cameras at three locations as requested by the Police Department. A portion of the FY 2021 funding ($85,000) is subject to a FY 2020 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund. The remaining $50,000 is available due to savings on the Fountainhead signal project in FY 2020. Future funding is provided on an annual basis subject to a yearly assessment of needs and priorities.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	10							
Equipment Upgrades	85	135	125	125	125	125	125	760
Extraordinary Repairs								
Construction	325							
TOTAL EXPENDITURES	420	135	125	125	125	125	125	760
SOURCE OF FUNDS								
Capital Projects Fund	345	135						135
General Fund			125	125	125	125	125	625
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources	75							
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	420	135	125	125	125	125	125	760

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

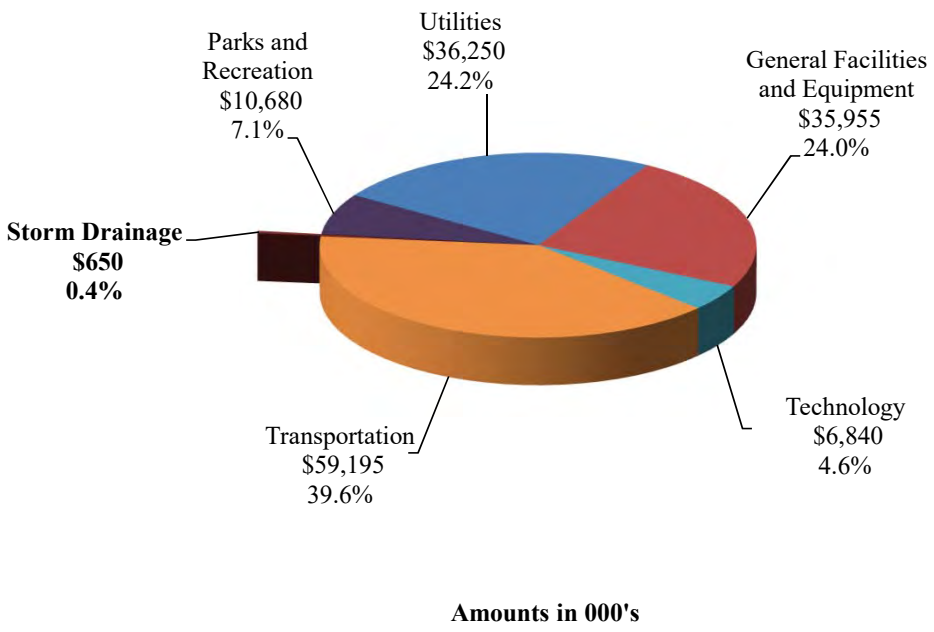
OFFSETTING REVENUE:

CITY OF
BRENTWOOD
TENNESSEE
ARDENS·FIDE
1969

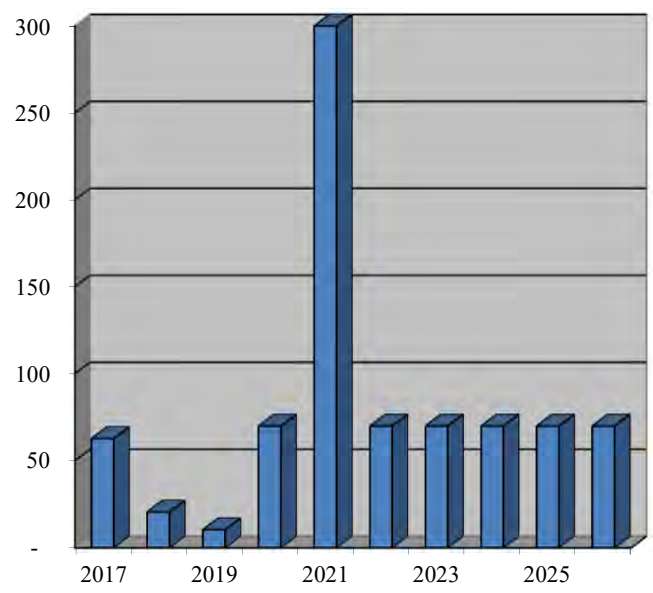
STORM DRAINAGE

STORM DRAINAGE

FISCAL YEARS 2021-2026



Amounts in 000's



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Storm Drainage Program - Summary
(000's)

Projects	**Projected FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**Total 6 Years 2021-2026**
Derby Glen	-	200	-	-	-	-	-	200
Raintree Forest	-	30	-	-	-	-	-	30
Subdivision Drainage	70	70	70	70	70	70	70	420
Grand Total	**70**	**300**	**70**	**70**	**70**	**70**	**70**	**650**

Source of Funds								
Capital Projects Fund	-	230	-	-	-	-	-	230
General Fund	70	70	70	70	70	70	70	420
G O Bond Proceeds	-	-	-	-	-	-	-	-
Grand Total	**70**	**300**	**70**	**70**	**70**	**70**	**70**	**650**

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.

STATUS

Based on the storm drain pipe lining services contract approved in FY 2020, the cost of this project is projected at $200,000, an increase of $80,000 over the funding originally programmed in FY 2020. Drainage work will typically be scheduled for the drier, summer months. This work is expected to be complete in late summer of 2020.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering Services								
Construction		200						200
TOTAL EXPENDITURES	-	200	-	-	-	-	-	200
SOURCE OF FUNDS								
Capital Projects Fund		200						200
General Fund								
G O Bond Proceeds								
TOTAL FUNDS	-	200	-	-	-			200

JUSTIFICATION

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.

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	**Raintree Forest**	**Account #**	**311-43150-2015**
PROGRAM	**Storm Drainage**	**RESPONSIBLE DEPARTMENT**	**Public Works**

DESCRIPTION

This project provides for improvements to the retaining walls of two pipe culverts in the Raintree Forest subdivision. One is located at the southwest corner of 1557 Timber Ridge Drive, and the other on an adjacent lot at 1554 Lost Hollow Drive. These substantially sized culverts are constructed of railroad ties that are deteriorating and in need of replacement. Replacement will be with concrete retaining wall block, which will provide substantially longer life to these structures than railroad ties.

STATUS

Funding of $30,000 is proposed for FY 2021 that is expected to cover the cost of both culvert retaining walls. Construction is expected to occur in the summer of 2020.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering Services								
Construction		30						30
TOTAL EXPENDITURES	-	30	-	-	-	-	-	30
SOURCE OF FUNDS								
Capital Projects Fund		30						30
General Fund								
G O Bond Proceeds								
TOTAL FUNDS	-	30	-	-	-	-	-	30

JUSTIFICATION **The culvert retaining walls have reached the end of their useful life and are in need of replacement.**

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. Beginning in FY 2021, increased annual funding of $70,000 is provided.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering Services								
Construction	70	70	70	70	70	70	70	420
TOTAL EXPENDITURES	70	70	70	70	70	70	70	420
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund	70	70	70	70	70	70	70	420
G O Bond Proceeds								
TOTAL FUNDS	70	70	70	70	70	70	70	420

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

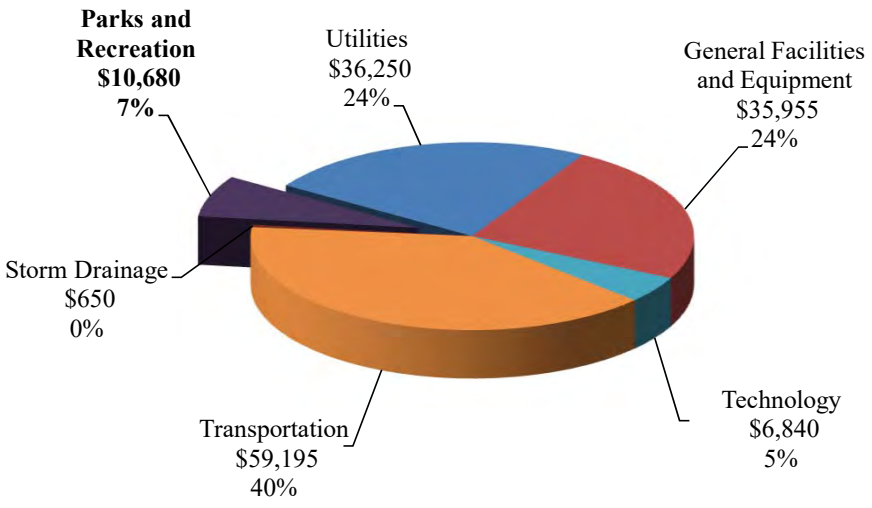
1969

ARDENS·FIDE

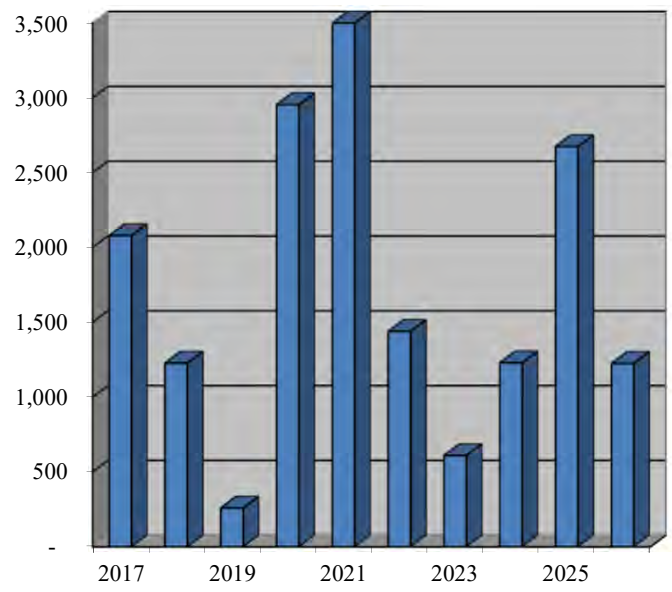
PARKS and RECREATION

PARKS AND RECREATION

FISCAL YEARS 2021-2026



Amounts in 000's



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Parks and Recreation Program - Summary
(000's)

Projects	**Projected FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**Total 6 Years 2021-2026**
Crockett Park	90	80	175	510	1,050	525	1,075	3,415
Deerwood Arboretum	-	10	40	10	-	-	-	60
Flagpole and Wikle	-	-	-	-	15	-	-	15
Granny White Park	55	235	1,145	30	50	50	50	1,560
Marcella Vivrette Smith Park	135	290	55	-	15	-	100	460
Maryland Way Park	10	120	-	-	-	-	-	120
Owl Creek Park	35	-	-	60	-	-	-	60
River Park	-	70	-	-	-	-	-	70
Tower Park	-	45	25	-	-	-	-	70
Windy Hill Park	2,630	2,650	-	-	100	2,100	-	4,850
Grand Total	**2,955**	**3,500**	**1,440**	**610**	**1,230**	**2,675**	**1,225**	**10,680**
Source of Funds								
Capital Projects Fund	175	1,950	500	-	-	-	-	2,450
General Fund	-	-	250	375	1,075	550	850	3,100
General Fund - Unrestricted Balance	2,600	1,000	-	-	-	-	-	1,000
G O Bond Proceeds	-	-	-	-	-	2,000	-	2,000
Facilities Maintenance Division	180	375	415	235	155	125	125	1,430
Private Sources	-	175	275	-	-	-	250	700
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	**2,955**	**3,500**	**1,440**	**610**	**1,230**	**2,675**	**1,225**	**10,680**

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 County soccer arena.

STATUS

Projects completed in FY 2020 included tennis court resurfacing and conversion of parking lot lighting to LED's fixtures. FY 2021 includes funding to begin replacing bleachers ($60,000) and soccer goals ($20,000). Projects in FY 2022 include parking lot resurfacing ($75,000, also shown in FY's 2023-2026), replacement of amphitheater doors ($15,000), cleaning of the amphitheater ($25,000), and bleacher replacement at Four-plex 1 ($60,000). FY 2023 will see the installation of lighting at the Woodland Middle ballfield ($375,000). Development of an inclusive playground ($800,000) and community playground replacement ($175,000) are programmed in FY 2024, and funding is tentatively programmed in FY 2026 for consideration of artificial turf conversion of one or more athletic fields subject to private funding participation from user groups.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Fields, Courts etc.							1,000	1,000
Buildings, Facilities, etc.	90		115	450	1,050	525	75	2,215
Furniture/Equipment		80	60	60				200
Landscaping/Trees								
Utilities								
TOTAL EXPENDITURES	90	80	175	510	1,050	525	1,075	3,415
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund				375	975	450	750	2,550
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	90	80	175	135	75	75	75	615
Private Sources							250	250
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	90	80	175	510	1,050	525	1,075	3,415

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**

(Operating budget impact of artificial turf fields would need to be further assessed at the time a project is considered)

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 facilities in the park. Restroom heater installation is scheduled for FY 2021 ($10,000). Bridge decking replacement is tentatively scheduled for FY 2022 ($40,000), and a placeholder for building maintenance in 2023 ($10,000).

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering								
Fields, Courts etc.								
Buildings, Facilities, etc.		10	40	10				60
Furniture/Equipment								
Landscaping/Trees								
TOTAL EXPENDITURES	-	10	40	10	-	-	-	60
SOURCE OF FUNDS								
Capital Projects Fund		10						10
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	-	10	40	10	-	-	-	60

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 de facto neighborhood park for residents living in west Brentwood.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**1**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**1**
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. Given the young age of this park, minimal capital improvements are expected within the planning horizon. 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 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
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 then 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

Funding in 2020 retrofitted parking lot lighting with energy efficient LED fixtures and resurfaced the tennis courts. Funding in FY 2021 will include replacement of ballfield sideline netting ($10,000, carried-forward from FY 2020), resurfacing of the basketball court ($5,000), lighting replacements at the tennis center ($100,000), and bleacher replacement ($45,000). Planning for the inclusive playground is also included in FY 2021 ($75,000), with construction totaling $1,000,000 shown in FY 2022 with $250,000 projected in private funding for this project. Resurfacing of the parking lot ($145,000) is tentatively scheduled in FY 2022.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Fields, Courts etc.		5						5
Buildings, Facilities, etc.	55	185	1,145	30	50	50	50	1,510
Furniture/Equipment		45						45
Landscaping/Trees								
TOTAL EXPENDITURES	55	235	1,145	30	50	50	50	1,560
SOURCE OF FUNDS								
Capital Projects Fund		75	500					575
General Fund			250					250
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	55	160	145	30	50	50	50	485
Private Sources			250					250
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	55	235	1,145	30	50	50	50	1,560

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. The renovation of the playground as an inclusive playground will enhance the park for use by all residents.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	**30,000**
Debt Service	
(Inclusive playground surfacing will require future replacement funding)	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**30,000**
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, renovation of Ravenswood Mansion, a picnic shelter, and a future mountain bike trail network. The rear portion of the park remains undeveloped and unplanned.

STATUS

FY 2020 included funding for replacement of the maintenance barn, and slave cabin stabilization. The slave cabin work is complete, but the barn project will be carried forward to FY 2021 and increased from $180,000 to $245,000. Repairs to gutters, soffits, masonry, wood trim, railings, etc. that are not related to events at the home are planned in FY 2021 ($45,000) and FY 2022 ($45,000). Minor improvements such as painting and fence replacement occur in the planning period. Master planning for Phase 3 improvements on the back 80 acres ($100,000) has been pushed back until FY 2026 to more accurately reflect community needs and the expected availability of construction funding. Design and construction of Phase 3 improvements are not programmed within the CIP planning horizon.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Planning/Engineering	5						100	100
Park Land Acquisition								
Construction/Development		245						245
Historic Structure Repair/Reno.	130	45	45					90
Facilities Maintenance			10		15			25
TOTAL EXPENDITURES	135	290	55	-	15	-	100	460
SOURCE OF FUNDS								
Capital Projects Fund	135	245						245
General Fund							100	100
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		45	55		15			115
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	135	290	55	-	15	-	100	460

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	**2**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**2**
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 was programmed in 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 ($130,000). The timing of construction was moved from FY 2020 to FY 2021 to better align with the Hill Center project timeline. The project is expected to be complete by the end of calendar 2020.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Architecture/Engineering	10	5						5
Fields, Courts etc.								
Buildings, Facilities, etc.		115						115
Furniture/Equipment								
Landscaping/Trees								
Repaving/Repairs Trail								
TOTAL EXPENDITURES	10	120	-	-	-	-	-	120
SOURCE OF FUNDS								
Capital Projects Fund	10	120						120
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	10	120	-	-	-	-	-	120

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

Projects funded in FY 2020 included painting of the restrooms, resurfacing of the basketball court, and boardwalk replacement. No projects are scheduled for FY 2021 or FY 2022. Funding is proposed for resurfacing of the parking lot ($60,000) in FY 2023. Future years will be programmed as needed to ensure the facilities are maintained to high standards.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Planning/Engineering								
Buildings, Facilities, etc.	35			60				60
Furniture/Equipment								
Landscaping/Trees								
TOTAL EXPENDITURES	35	-	-	60	-	-	-	60
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	35			60				60
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	35	-	-	60	-	-	-	60

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 near Concord Road, the library, and YMCA.

STATUS

Several projects are programmed in FY 2021, including repair of restroom building roof eves ($15,000), replacement of restroom door frames ($15,000), and replacement of basketball backboards ($10,000). Basketball court resurfacing ($5,000) is also programmed for FY 2021. These projects are expected to enhance the aesthetics of this aging park.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Buildings, Facilities, etc.		50						50
Furniture/Equipment		10						10
Landscaping/Trees		10						10
TOTAL EXPENDITURES	-	70	-	-	-	-	-	70
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		70						70
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	-	70	-	-	-	-	-	70

JUSTIFICATION

River Park, with its central location and proximity to Concord Road and the John P. Holt Brentwood Library, has higher visibility than most other City parks. 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	**Tower Park**	**Account #**	**311-44400-3004**
PROGRAM	**Parks and Recreation**	**RESPONSIBLE DEPARTMENT**	**Parks and Recreation**

DESCRIPTION

This project provides for improvements to the 47 acre park located immediately north of the WSM Radio Tower. The park has 3 multi-purpose fields with irrigation and lighting, plus a restroom facility and bike trails that connect the park to the adjoining developments and neighborhoods. This centrally located park is also the location of Miss Peggy's Bark Park.

STATUS

Funding in FY 2021 is proposed to improve the drainage behind the restroom facilities. Also included is FY 2021 & 2022 funding for improvements to Miss Peggy's Bark Park including drainage, grass coverage, and overall aesthetics of the dog park. Dog park expenses will be funded by contributions from Brentwood Green Space.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Fields, Courts etc.		20						20
Buildings, Facilities, etc.		25	25					50
Furniture/Equipment								
Landscaping/Trees								
TOTAL EXPENDITURES	-	45	25	-	-	-	-	70
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		20						20
Private Sources		25	25					50
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	-	45	25	-	-	-	-	70

JUSTIFICATION

The park is located in the civic center area of Brentwood and provides lighted practice fields to serve organized athletic groups in the community. The addition of a dog park at this location adds another amenity to the park system at a site that is conveniently located but with no adverse impact on surrounding property owners. Miscellaneous maintenance repairs will be needed in the future to keep the park attractive and safe.

PROGRAM AND FACILITY COSTS:	
Personnel Services	
Operating Expenditures	**2**
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	**2**
OFFSETTING REVENUE:	

PROJECT	**Windy Hill Park**	**Account #**	**311-44400-3012**
PROGRAM	**Parks and Recreation**	**RESPONSIBLE DEPARTMENT**	**Parks and Recreation**

DESCRIPTION

This project provides for acquisition and development of 52 acres of land that was part of the historic Windy Hill property on Old Smyrna Road.

STATUS

The property will be purchased through two payments in FY 2020 and 2021 (est. total of $5,200,000). Other funds in FY 2020 ($30,000) cover work associated with property survey, title insurance, and environmental assessment. In FY 2021, fencing and buffer landscaping will be installed ($50,000). Additional funds, provided largely by a proposed $2,000,000 bond issue, will provide for development of park improvements, including parking, a playground, walking trails, and restroom facilities in FY 2025.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Acquisition	2,600	2,600						2,600
Planning/Engineering	30				100	100		200
Buildings, Facilities, etc.						2,000		2,000
Furniture/Equipment		20						20
Landscaping/Trees		30						30
TOTAL EXPENDITURES	2,630	2,650	-	-	100	2,100	-	4,850
SOURCE OF FUNDS								
Capital Projects Fund	30	1,500						1,500
General Fund					100	100		200
General Fund (Unreserved Balance)	2,600	1,000						1,000
G O Bond Proceeds						2,000		2,000
Facilities Maintenance Division								
Private Sources		150						150
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	2,630	2,650	-	-	100	2,100	-	4,850

JUSTIFICATION

The City's adopted Brentwood 2030 Comprehensive Plan included Objective 1.E Parks: *"Publicly acquire or obtain through dedication sufficient land (approximately 20 acres for each tract) to permit the construction of additional passive parks. Targeted locations for the new parks include the northeast area bordered by Concord Road, the CSX Railroad/I-65, northern city limits and Edmondson Pike."* This purchase also preserves the only remaining R-2 zoned property along historic Old Smyrna Road.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	**15**
Debt Service	**135**
ANNUAL OPERATING BUDGET IMPACT (000'S):	**150**

(Additional operating costs will be incurred once park is fully developed)

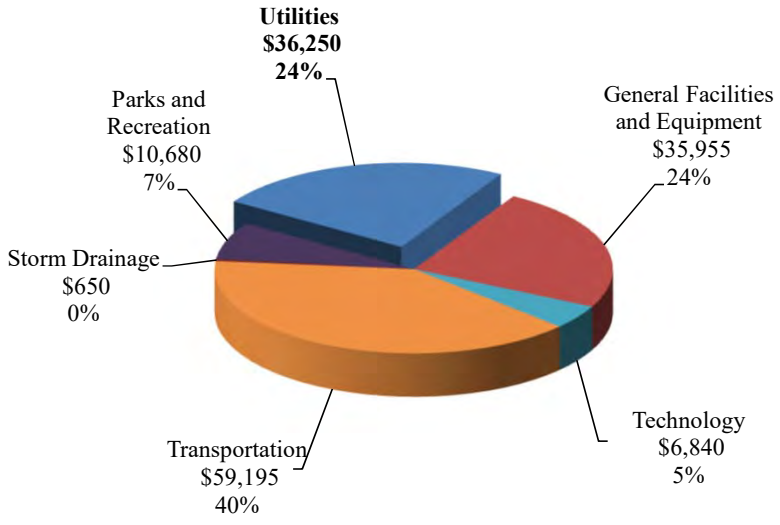
OFFSETTING REVENUE:

CITY OF
BRENTWOOD
TENNESSEE
ARDENS·FIDE
1969

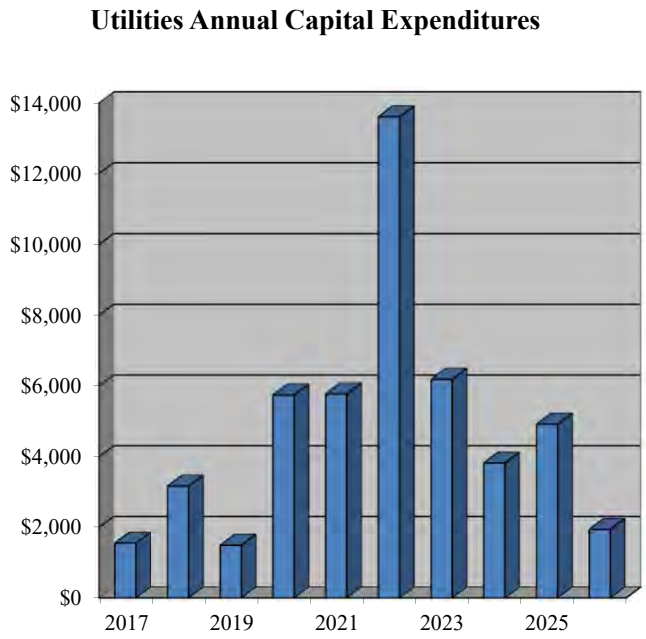
UTILITIES

UTILITIES

FISCAL YEARS 2021-2026



Amounts in 000's



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2021 - 2026
Water and Sewer Program - Summary
(000's)

Projects	Projected 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total 6 Years 2021-2026
Meter Reading Program Upgrade	285	-	-	-	-	-	-	-
Miscellaneous Sewer Service Additions	10	475	45	45	45	45	45	700
Miscellaneous Sewer System Improvements	945	205	110	110	110	110	110	755
Miscellaneous Water System Improvements	80	200	90	90	110	110	110	710
Sewer Rehabilitation Program	425	705	1,105	1,105	1,105	1,105	1,105	6,230
Sewer System Capacity Improvements	1,415	1,395	9,485	-	575	-	-	11,455
Sewer Lift Station Rehabilitation	520	410	-	-	-	-	-	410
Water Line Replacement Program	1,965	440	2,590	2,570	1,250	580	570	8,000
Water System Capacity Improvements	100	1,950	175	2,270	625	2,970	-	7,990
Grand Total	**5,745**	**5,780**	**13,600**	**6,190**	**3,820**	**4,920**	**1,940**	**36,250**

Source of Funds								
Water and Sewer Fund	4,935	2,055	5,330	3,875	3,150	1,905	1,895	18,210
Water Tap Fees and NCGUD Grove Tap Fees	100	1,950	175	2,270	625	2,970	-	7,990
Sewer Tap Fees	710	1,725	1,290	40	40	40	40	3,175
Private Sources	-	50	5	5	5	5	5	75
Inter-Governmental Sources	-	-	1,800	-	-	-	-	1,800
Water and Sewer Bond/Note Proceeds	-	-	5,000	-	-	-	-	5,000
Grand Total	**5,745**	**5,780**	**13,600**	**6,190**	**3,820**	**4,920**	**1,940**	**36,250**

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 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 2020 included installation of radios and meters at all remaining customer meter sites that were not connected to the new system. The project contractor finished up all work in February. Department staff are in the process of soliciting proposals for customer portal software for the Flexnet program.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering								
Construction	285							
TOTAL EXPENDITURES	285	-	-	-	-	-	-	-
SOURCE OF FUNDS								
Water & Sewer Fund	285							
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	285	-	-	-	-	-	-	-

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 2021 and will include 13 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 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	10	45	5	5	5	5	5	70
Construction	-	400	40	40	40	40	40	600
Property/Easement Acquisition		30						30
TOTAL EXPENDITURES	10	475	45	45	45	45	45	700
SOURCE OF FUNDS								
Water & Sewer Fund								
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees	10	425	40	40	40	40	40	625
Private Sources	-	50	5	5	5	5	5	75
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	10	475	45	45	45	45	45	700

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:	**50**

(Each home will pay a $4,000 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

Funding in FY 2020 provided for the replacement of approximately 4,600 feet of sewer force main between Carothers and the entrance to the Nashville Golf Club. This project was successfully completed in the spring of 2020. Funding in FY 2021 includes upgrades to approximately 475 feet of sewer line along Wilson Pike Circle which was undersized when installed in the 1970's. There are no current projects planned for FY 2022 - 2026, though placeholder funding is provided should projects be identified.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	85	5	10	10	10	10	10	55
Construction	860	200	100	100	100	100	100	700
Property/Easement Acquisition								
TOTAL EXPENDITURES	945	205	110	110	110	110	110	755
SOURCE OF FUNDS								
Water & Sewer Fund	945	205	110	110	110	110	110	755
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	945	205	110	110	110	110	110	755

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 included installing the Deerwood Connector project. For FY 2021, the department plans to address low pressure complaints in the Willowick Subdivision. Staff has evaluated possible solutions and plans to install approximately 650 feet of 8" water pipe and associated valves which will provide for better water service. In FY 2021 and 2022, staff plans to develop a pressure management plan (PMP) to aid in water loss. An important aspect of water loss management is reducing high pressure areas by installing pressure regulating valves The PMP, once developed, will further define improvements needed.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	5	50	15	15	10	10	10	110
Construction	75	150	75	75	100	100	100	600
Property/Easement Acquisition								
TOTAL EXPENDITURES	80	200	90	90	110	110	110	710
SOURCE OF FUNDS								
Water & Sewer Fund	80	200	90	90	110	110	110	710
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	80	200	90	90	110	110	110	710

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
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):

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.

STATUS

FY 2021 funding anticipates the start of projects that will be outlined by the POST-CAP rehabilitation plan being developed by BARGE Engineers. Staff will work with BARGE to finalize the POST-CAP plan and fund projects in future years to reduce I/I and related overflows and subsequently size future storage based on the effectiveness of the rehabilitation program. Funding anticipated for FY's 2022 - 2027 will be updated annually based on recommendations from BARGE engineers annual flow monitoring analysis.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering/Inspection	125	105	105	105	105	105	105	630
Construction	300	600	1,000	1,000	1,000	1,000	1,000	5,600
Land Acquisition								
TOTAL EXPENDITURES	425	705	1,105	1,105	1,105	1,105	1,105	6,230
SOURCE OF FUNDS								
Water & Sewer Fund	425	705	1,105	1,105	1,105	1,105	1,105	6,230
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	425	705	1,105	1,105	1,105	1,105	1,105	6,230

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	TBD by Plan
(Repairs will lower treatment costs by reducing storm water infiltration into the system)	
Debt Service	
ANNUAL OPERATING BUDGET IMPACT (000'S):	-
OFFSETTING REVENUE:	

PROJECT	**Sewer System Capacity Improvements**	**Account #**	**412-16700-8056**
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

Funds are programmed in anticipation of initiating projects recommended from the Sewer System Master Plan prepared by Hazen Engineers. The most notable 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 $9.5 million, and will require issuance of bonds in FY 2022. Funding for the storage facility will also come from sewer tap fees. FY 2021 funding also includes upgrades to the Scales School sewer lift station per the HAZEN report. Funds are programmed in future years for continued implementation of recommended projects in the master plan.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	215	645	485	-	75	-		1,205
Construction	-	750	9,000	-	500	-		10,250
Property/Easement Acquisition	1,200	-	-	-	-	-		
TOTAL EXPENDITURES	1,415	1,395	9,485	-	575	-	-	11,455
SOURCE OF FUNDS								
Water & Sewer Fund	715	95	1,435		575			2,105
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees	700	1,300	1,250					2,550
Private Sources								
Inter-Governmental Sources			1,800					1,800
Water & Sewer Bond/Note Proceeds			5,000					5,000
TOTAL FUNDS	1,415	1,395	9,485	-	575	-	-	11,455

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		**330**
ANNUAL OPERATING BUDGET IMPACT (000'S):		**380**

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 ten older stations have been rehabilitated within the last ten years with one station remaining. Two other stations have been added in the last five years that will not need rehabilitation for some time.

STATUS

FY 2020 funding provided for the successful construction of the Edmondson Pike sewer lift station located just south of Edmondson Elementary school. Also in FY 2020, funding included evaluation of the possibility of abandoning of the Arden Woods lift station located at 6402 Fisher Ct. and connecting the area sewers that discharge to that station to a gravity sewer located on Scales School property. The evaluation determined it was not a cost feasible option to abandon the station with the cost being approximately $450,000 more than renovating the station. As a result, staff has included funding in FY 2021 to renovate the station.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	30	55	-	-	-	-		55
Construction	490	350	-	-	-	-		350
Property/Easement Acquisition	-	5	-	-	-	-		5
TOTAL EXPENDITURES	520	410	-	-	-	-	-	410
SOURCE OF FUNDS								
Water & Sewer Fund	520	410	-	-	-	-		410
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	520	410	-	-	-	-	-	410

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 2020 included completion of Crockett Rd. and Devens Dr. water line projects. Beginning in FY 2021, funding is provided to begin work in the Carondelet North neighborhood area. This project includes replacing approximately 10,000 feet of nearly 50 year old pipe. Funding has been added beginning in FY 2023 for replacing water lines in the Carondelet South neighborhood. Combined, the Carondelet project, north and south, is anticipated for two and a half years and will replace approximately 20,000 feet of pipe. Funding in future years will target projects identified in the asset management program.

PROJECT BUDGET (000'S)	Projected FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	40	400	150	150	50	70	70	890
Construction	1,925	-	2,400	2,400	1,200	500	500	7,000
Property/Easement Acquisition	-	40	40	20	-	10		110
TOTAL EXPENDITURES	1,965	440	2,590	2,570	1,250	580	570	8,000
SOURCE OF FUNDS								
Water & Sewer Fund	1,965	440	2,590	2,570	1,250	580	570	8,000
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	1,965	440	2,590	2,570	1,250	580	570	8,000

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

FY 2021 proposes the start of construction for the Wikle Road water line upsizing project. The Wikle Rd. project scope includes installing a 12 inch main from Mallory Park northward around the perimeter of Flag Pole Park, then northward along Wikle Road and across a portion of Wikle Park, continuing under the railroad tracks and along Wikle Rd. westward to Franklin Road. The Wikle Rd. project is a recommended project in the City's Water Supply Master Plan. With many changes impacting the City's water supply such as increases in wholesale water supply rates and reduced demand over the last 5 years, department staff will be updating the master plan to assess the need for projects recommended in future years as previously outlined. 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 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Total FY 2021-2026
EXPENDITURE ALLOCATION								
Engineering	80	50	175	110	300	120	-	755
Construction	15	1,900	-	1,860	-	2,850	-	6,610
Property/Easement Acquisition	5	-	-	300	325	-	-	625
TOTAL EXPENDITURES	100	1,950	175	2,270	625	2,970	-	7,990
SOURCE OF FUNDS								
Water & Sewer Fund								
Water Tap Fees and NCG Tap Fees	100	1,950	175	2,270	625	2,970	-	7,990
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	100	1,950	175	2,270	625	2,970	-	7,990

JUSTIFICATION

Historically, 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. While the department was able to meet the unusually high water requirements of our existing customers, additional water capacity was projected to be needed to continue to meet the peak summer demands associated with growth. More recently, customer demand has decreased, and even during drier months, the overall demand on the system has lessened. Therefore, a reevaluation of the long-term water capacity master plan is in order.

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)

BRENTWOOD

CITY OF

TENNESSEE

1969

ARDENS FIDE

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.