



CITY OF  
**BRENTWOOD**  
TENNESSEE



Fiscal Year 2023-2028  
Capital Improvement  
Program

# **CITY OF BRENTWOOD, TENNESSEE**

## **PROPOSED CAPITAL IMPROVEMENTS PROGRAM**

**Fiscal Years 2023 - 2028**

**March 14, 2022**

# **TABLE OF CONTENTS**

	<b><u>PAGE</u></b>
<b>I. Introduction</b>	
City Manager's Transmittal Memorandum	i
Assistant City Manager & Finance Director Transmittal Memorandum	vii
Resolution Adopting Capital Improvements Program	ix
<b>II. Summaries of Expenditures and Funding Sources</b>	<b>1</b>
<b>III. General Facilities and Equipment</b>	<b>13</b>
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
<b>IV. Technology</b>	<b>35</b>
Computer Equipment	37
Emergency Communications Center	39
Fiber Network	41
Radio System	43
Security System	45
Software Systems	47
Warning Sirens	49
<b>V. Transportation</b>	<b>51</b>
ADA Retrofits	53
Bike and Pedestrian	55
Johnson Chapel Road	57
Franklin Road - South	59
McEwen Drive	61
Murray Lane	63
Ragsdale Road	65
Split Log Road Phase 3	67
Street Lighting	69
Street Resurfacing	71
Sunset-Ragsdale Realignment	73
Sunset Road Phase 2 (Concord to Ragsdale)	75

## **TABLE OF CONTENTS**

	<b><u>PAGE</u></b>
Sunset Road Phase 3 (Ragsdale to Waller)	77
Traffic Signal Upgrades	79
Wilson Pike	81
<b>VI. Storm Drainage</b>	<b>83</b>
Subdivision Drainage	85
Tara Drive	87
<b>VII. Parks and Recreation</b>	<b>89</b>
Crockett Park	91
Deerwood Arboretum	93
Flagpole and Wikle	95
Granny White Park	97
Marcella Vivrette Smith Park	99
Margaret Powell Park	101
Owl Creek Park	103
Patriot Park	105
River Park	107
Tower Park	109
Windy Hill Park	111
<b>VIII. Utilities</b>	<b>113</b>
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
Water Tank Improvements	131
<b>IX. Glossary of Terms</b>	<b>133</b>

# INTRODUCTION

Kirk Bednar  
CITY MANAGER



Jay Evans  
ASST. CITY MANAGER

## BRENTWOOD

CITY MANAGER'S OFFICE

March 14, 2022

### CITY MANAGER MEMORANDUM 2022-01

TO: Honorable Mayor and Members of the City Commission

FROM: Kirk Bednar, City Manager 

SUBJECT: **Proposed Fiscal Years 2023-2028 Capital Improvements Program**

Attached you will find the proposed six-year capital improvements program (CIP) for the City of Brentwood for fiscal years 2023-2028.

The proposed CIP will be reviewed with the Board of Commissioners at a work session scheduled for Thursday, March 24, 2022, beginning at 10:00 AM following the regularly scheduled City Commission agenda briefing. 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 Monday, May 23, 2022, Monday, June 13, 2022, and Monday, June 27, 2022. A resolution to adopt the six-year CIP will be presented to the City Commission for consideration and adoption at the June 27, 2022 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 2023 budget. The plan is updated every year, and projects in years two through six may be added, deleted, or changed in terms of scheduling in future updates of the plan.

### Summary Overview

The proposed FY 2023-2028 Capital Improvements Program is an ambitious plan that calls for the investment of **\$157,935,000** 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 **\$25.7 million** of the **\$158 million** program (16%) is dependent upon utilization of inter-governmental revenues (state, federal, and county), targeted mostly to annual street repaving over the next six years, drainage improvements, pedestrian crossing and traffic signal upgrades, and the sewer storage facility.

The net local investment of **\$132 million** over six-years will require a significant funding commitment, including direct support of over **\$113.2 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 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 **\$19.0 million**, including \$9.0 million proposed in FY 2023 for the Ragsdale Road widening and streetlight retrofit projects, an additional \$5.0 million in FY 2025 to provide funding for development of a new Parks Department operations facility, and \$5.0 million in FY 2027 for the Split Log Road Phase 3 widening project.

Total costs in the major program areas over the next six years (FY 2023-2028) are summarized below:

Transportation	\$80,320,000	50.9%
Utilities	33,295,000	21.0%
Facilities & Equipment	22,865,000	14.5%
Storm Drainage	8,350,000	5.3%
Technology	6,650,000	4.2%
Parks & Recreation	<u>6,455,000</u>	<u>4.1%</u>
<b>TOTAL</b>	<b>\$157,935,000</b>	<b>100.0%</b>

**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 six-year plan includes phased funding for three significant road widening projects. These projects are Ragsdale Road widening from the Glenellen subdivision west to Split Log Road (\$14.7 million), Split Log Road widening from Sam Donald Road to Sunset Road (\$17.9 million) and Sunset Road from Ragsdale Road east to the city limits at Waller Road (\$5.2 million). This latter project is programmed to begin in the last years of the six-year plan and will have additional costs beyond the 2028 end of this plan. The plan also provides funding of \$10.7 million currently projected as the City's share of costs associated with the City of Franklin managed project to extend McEwen Drive east of Wilson Pike through the Taramore subdivision.

The City will maintain a significant commitment to street resurfacing over the six-year period in the total amount of \$16.5 million. The FY 2023 proposed resurfacing funding level is \$2.6 million. The City's ability to increase funding for street resurfacing solely via the gas tax revenues will be challenged in coming years, and General Fund increases will likely be required.

The proposed six-year plan continues the City's commitment to improved bike and pedestrian facilities with \$4.7 million programmed, including funding for completion of a multiuse trail connector along Franklin Road between Murray Lane and Concord Road. Additional funding via state grants will continue to be pursued to supplement or offset this allocation of local funds.

The primary focus of the **General Facilities and Equipment** program over the next six years will continue to be on construction and renovation of city facilities and the planned, systematic replacement of large equipment. Funding (\$1.5 million) is provided for completion of Fire Station 5 on Split Log Road in early FY 2023. The planned construction of a new Parks Department office facility within Crockett Park has been programmed in FY 2025 (\$5.4 million). Renovations and upgrades to both the Service Center (\$1.5 million) and Municipal Center (\$2.5 million) are also included in the plan. Annual funding from the Facilities Maintenance Fund is also programmed throughout the six-year period to assure proper upkeep of various city facilities.

The six-year plan maintains the ongoing effort to accumulate funding annually for the periodic replacement and upgrade of essential vehicles and heavy equipment. This systematic approach will allow for almost \$8.9 million in vehicles and equipment (costing more than \$45,000 per unit) to be replaced over the next six years. This reserve allows us to avoid an adverse budgetary impact in a single year.

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. The six-year plan provides for a \$6.2 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 (\$10.2 million) in the replacement of aging water system infrastructure.

While the heaviest phase of sewer rehabilitation work was completed several years ago, an annual commitment to continue rehabilitation efforts is required, with \$4.5 million provided over the six-year plan.



Beyond rehabilitation, significant funding is committed 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 \$8.5 million is programmed over the six-year CIP period for sewer capacity projects, including completion of a wet weather storage tank adjacent to the Brentwood pump station and initial planning for a second tank as previously identified in the sewer system master plan.

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. Approximately \$4.5 million is allocated for computer equipment and hardware upgrades and replacements over six years. Funding of \$935,000 is provided for extension of the City's fiber network system to additional city facilities as well as systematic replacement and upgrade of existing fiber network segments, portions of which are nearing twenty years old.

The **Parks and Recreation** program over the next six years reflects funding (\$2.6 million) for the development of Windy Hill Park on Old Smyrna Road. Master planning of this new park will begin in spring 2022 with construction expected to begin in spring of calendar year 2023 and completion in early calendar year 2024. 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.

The **Storm Drainage** program reflects a significant increase in funding due to the City Commission's decision to reserve approximately \$7.7 million in American Rescue Plan funds for completion of a citywide stormwater master plan and implementation of maintenance and capital projects identified in the master plan. In addition, funding is continued for ongoing maintenance and replacement of aging stormwater drainage pipes across the city.

## **FINANCING REQUIREMENTS**

As noted earlier, approximately \$113.2 million (72%) 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 \$25.7 million or 16%. The remaining funds (\$19.0 million or approximately 12%) will come through the issuance of General Obligation Bonds.

FY 2023 funding for several projects is dependent upon a proposed FY 2022 year-end transfer of current year excess revenues totaling more than \$9,500,000.

The implementation of a six-year, comprehensive program with long-term benefits will require the issuance of **\$19.0 million** in new 20-year General Obligation Bonds for various projects.

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 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 2023***

- General Obligation bonds **(\$9,000,000 tentative)** for widening of Ragsdale Road from the Glenellen subdivision to Split Log Road (\$5,000,000) and completion of the citywide streetlight retrofit project (\$4,000,000). Note that issuance of debt for the streetlight project is subject to City Commission approval of a final project financing plan that reflects sufficient savings in streetlight operating costs to offset the debt service costs over the life of the bonds.

***Fiscal year 2025***

- G.O. bonds **(\$5,000,000)** for construction of Parks Department Operations facility.

***Fiscal year 2027***

- G.O. bonds **(\$5,000,000)** for construction of Split Log Road Phase 3 improvements from Sam Donald Road to Sunset/Waller Road.

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.

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 2022 is projected at \$4,104,642, inclusive of the voluntary early payoff of approximately \$1.7 million of two Series 2011 bond issues. The projected fund balance for the Debt Service Fund as of June 30, 2022, is approximately \$2,950,000, which would exceed the one-year target level if the one-time voluntary early repayment of the 2011 bonds was not included in the FY 2022 payment amount. The proposed FY 2023 General Fund transfer to the Debt Service Fund will be \$3,095,000, an increase of \$100,000 from the FY 2022 level. An additional increase of \$100,000 is projected in FY 2024 to account for the debt service impact of planned future G.O. bond issues.

Finally, the percentage of the total General Fund budget allocated for debt service in FY 2022 is 6.9%. This amount of annual debt service is considered by the rating agencies to be a manageable level for a growing community. Assuming a 9% General Fund budget growth for FY 2023 and 4% growth thereafter through FY 2028 with the Debt Service Fund transfer projected at \$3,195,000 by FY 2028, this percentage will decrease to 5.8% in FY 2028.

## **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 14, 2022

### 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 approximately \$158 million. As addressed in the previous memo from the City Manager, \$132 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 \$8.68 million FY 2022 year-end transfer of excess revenues from the General Fund to the Capital Projects Fund. It also includes utilization of \$4.5 million in Public Works Project Fees within the planning timeframe.

Completion of a program of this magnitude will require three (3) 20-year General Obligation (GO) bond issuances. The first issuance would be a \$9 million General Obligation issue in FY 2023 to fund the proposed widening of Ragsdale Road between Split Log Road and the Glen Ellen subdivision and a streetlight retrofit project. The second would be a \$5.0 million issue in FY 2025 for a Parks Operations Facility, and the third would be a \$5.0 million issue in FY 2027, for the Split Log Phase 3 widening.

The City issued \$4.79M in 2021A bonds to fund the sewer system’s wet weather storage facility, and also refunded outstanding 2012 and 2013 water/sewer and General Fund bonds through the issuance of \$9.79M in 2021B refunding bonds. The impact of the 2021 issuances was a \$473,000 decrease in total debt service payments for the Debt Service Fund and an increase of \$307,000 for the Water and Sewer Fund. The issuance of additional debt in 2023, 2025, and 2027 will require increases in the contribution to the Debt Service Fund in FY 2023 and 2024, as shown below. 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.

<u>Fiscal Year</u>	<u>Direct Project Funding</u>	<u>Transfer to Debt Service Fund</u>	<u>Total General Fund Related Support</u>
2023	\$ 19,435,000	\$ 3,095,000	\$ 22,530,000
2024	16,510,000	\$ 3,195,000	19,705,000
2025	21,310,000	\$ 3,195,000	24,505,000
2026	14,570,000	\$ 3,195,000	17,765,000
2027	14,605,000	\$ 3,195,000	17,800,000
2028	11,795,000	\$ 3,195,000	14,990,000
<b>Total</b>	<b><u>\$ 98,225,000</u></b>	<b><u>\$ 19,070,000</u></b>	<b><u>\$ 117,295,000</u></b>

A water/sewer rate study conducted in FY 2022 indicated that small increases in water/sewer rates are expected to fund the infrastructure improvements in the planning period. No new debt is expected to be issued. 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 2022-XX**

**A RESOLUTION TO ADOPT A CAPITAL IMPROVEMENTS PROGRAM FOR THE CITY OF  
BRENTWOOD FOR THE FISCAL YEARS 2023-2028**

**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 2023-2028, 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 27, 2022

*Approved as to form:*

\_\_\_\_\_  
RECORDER

Holly Earls

\_\_\_\_\_  
CITY ATTORNEY

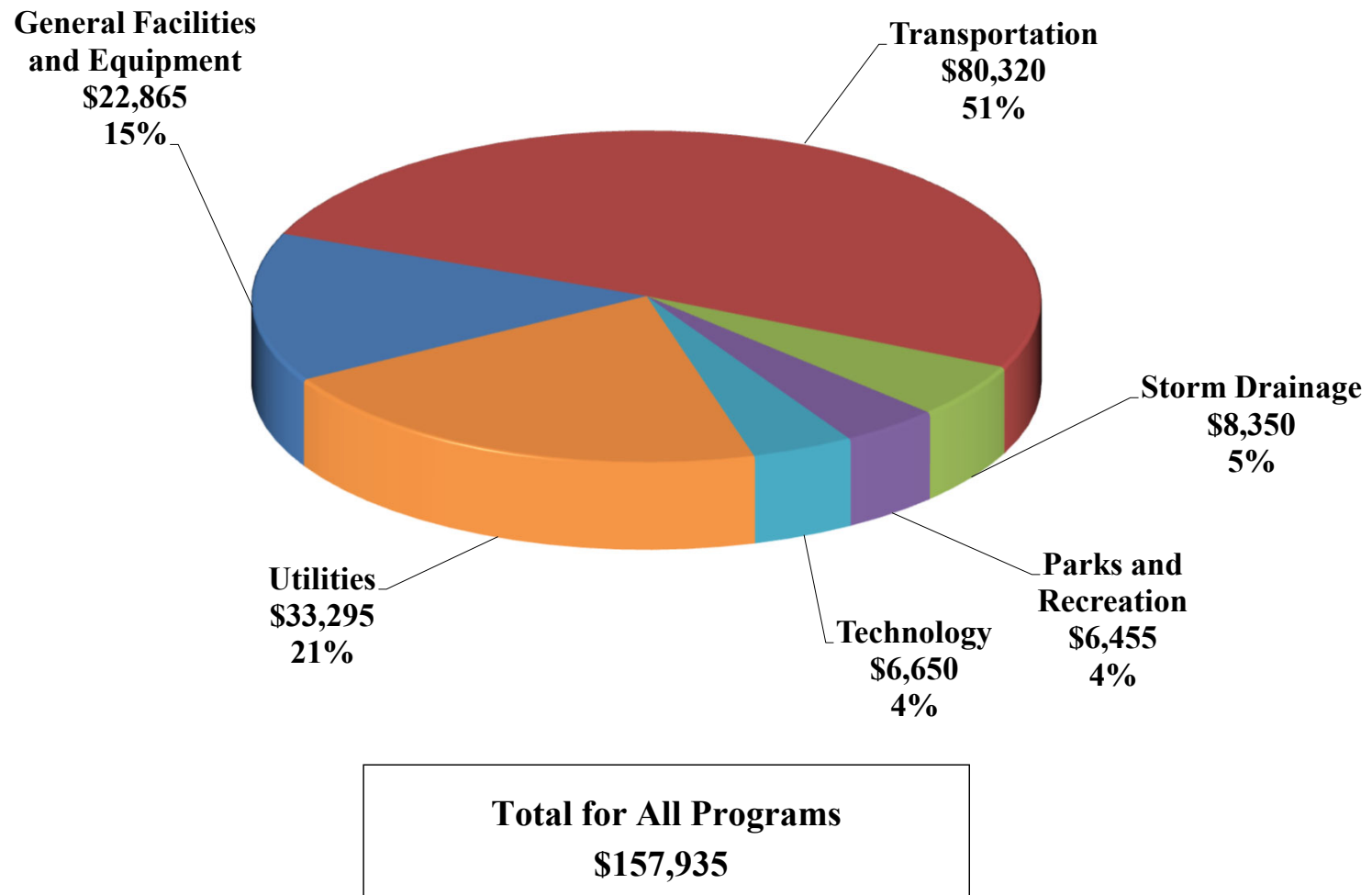
Kristen Corn



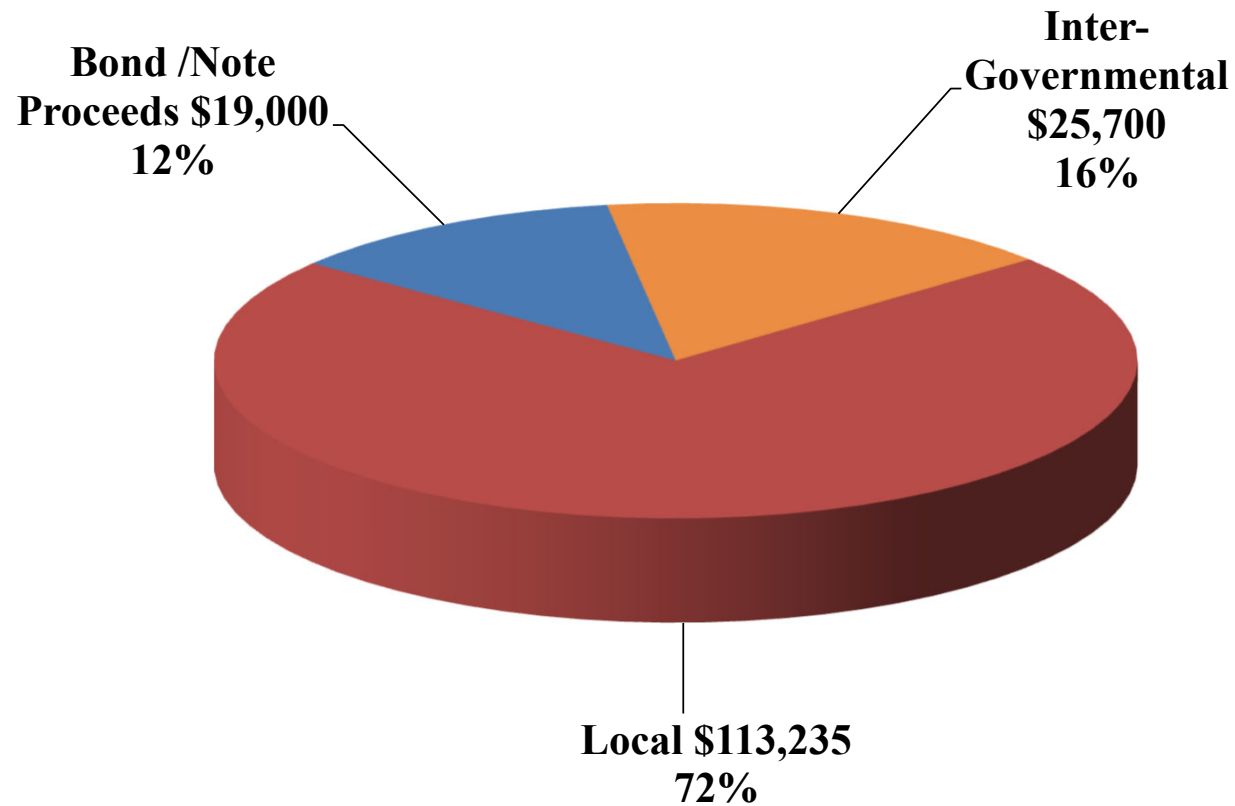
## **SUMMARIES**



**City of Brentwood, Tennessee  
Capital Improvements Program  
Fiscal Years 2023-2028  
Program Expenditures  
(000's)**



**City of Brentwood, Tennessee  
Capital Improvements Program  
Fiscal Years 2023-2028 Funding by Source  
(000's)**



**Total for All Programs  
\$157,935**

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Year 2023 - 2028**  
**Program Expenditures - Summary**  
**(000's)**

<b><u>Program</u></b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
General Facilities and Equipment	8,970	4,125	3,675	6,635	3,160	2,585	2,685	22,865
Technology	1,950	1,755	1,190	1,110	950	1,060	585	6,650
Transportation	9,095	13,940	11,650	14,995	15,345	12,595	11,795	80,320
Storm Drainage	500	1,600	3,450	2,850	150	150	150	8,350
Parks and Recreation	3,900	2,140	3,110	670	245	145	145	6,455
Utilities	5,790	12,335	5,820	3,450	1,390	4,910	5,390	33,295
<b>Grand Total</b>	<b>30,205</b>	<b>35,895</b>	<b>28,895</b>	<b>29,710</b>	<b>21,240</b>	<b>21,445</b>	<b>20,750</b>	<b>157,935</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Year 2023 - 2028**  
**Sources of Funds - Summary**  
**(000's)**

<b><u>Source</u></b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-28</b>
Capital Projects Fund	9,850	9,445	2,850	2,855	-	-	-	15,150
Emergency Communications District Fund	1,190	15	10	5	60	15	145	250
Equipment Replacement Division	2,115	1,930	1,620	2,020	2,290	3,105	2,795	13,760
Facilities Maintenance Division	1,135	1,005	835	320	320	320	320	3,120
General Fund	850	1,215	6,045	7,945	8,790	6,010	8,510	38,515
General Fund (Unrestricted Balance)	-	-	-	3,000	3,000	-	-	6,000
General Obligation Bond Proceeds	-	5,220	3,780	5,000	-	5,000	-	19,000
Municipal Center Fund	120	620	1,380	170	170	170	170	2,680
Private Sources	1,525	45	5	5	635	5	5	700
Public Works Project Fee Fund	-	-	-	320	2,680	-	1,500	4,500
Inter-Governmental Sources	5,925	7,215	4,485	2,700	-	-	-	14,400
State Street Aid Fund	1,700	1,800	1,900	1,900	1,900	1,900	1,900	11,300
Water and Sewer Fund	395	5,255	3,515	2,370	1,005	3,010	5,190	20,345
Water Tap Fees and NCGUD Tap Fees	40	815	2,430	1,060	350	1,870	175	6,700
Sewer Tap Fees	360	1,315	40	40	40	40	40	1,515
Water & Sewer Bond/Note Proceeds	5,000	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>30,205</b>	<b>35,895</b>	<b>28,895</b>	<b>29,710</b>	<b>21,240</b>	<b>21,445</b>	<b>20,750</b>	<b>157,935</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**Summary - All Projects**  
**(000's)**

		<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
<b>General Facilities</b>	Community Identity Features	10	115	50	15	15	15	15	225
	Community Planning	-	-	60	75	-	-	-	135
	Equipment and Vehicles	2,330	1,115	860	990	1,410	2,125	2,375	8,875
	Fire Stations	5,725	1,555	-	-	-	150	-	1,705
	Library	445	120	400	50	50	50	50	720
	Municipal Center	120	620	1,880	170	170	170	170	3,180
	Park Operations Facility	-	-	200	5,200	-	-	-	5,400
	Police Headquarters	165	100	-	-	-	-	-	100
	Safety Center East	55	25	25	25	25	25	25	150
	Service Center	120	475	200	110	1,490	50	50	2,375
	<b>Total - General Facilities</b>	<b>8,970</b>	<b>4,125</b>	<b>3,675</b>	<b>6,635</b>	<b>3,160</b>	<b>2,585</b>	<b>2,685</b>	<b>22,865</b>
<b>Technology</b>	Computer Equipment	395	795	750	1,035	925	985	560	5,050
	Emergency Communications Center	1,090	160	-	-	-	-	-	160
	Fiber Network	35	535	400	-	-	-	-	935
	Radio System	-	145	-	-	-	-	-	145
	Security System	115	-	-	-	-	-	-	-
	Software Systems	315	120	40	25	25	25	25	260
	Warning Sirens	-	-	-	50	-	50	-	100
	<b>Total - Technology</b>	<b>1,950</b>	<b>1,755</b>	<b>1,190</b>	<b>1,110</b>	<b>950</b>	<b>1,060</b>	<b>585</b>	<b>6,650</b>
<b>Transportation</b>	ADA Retrofits	50	455	335	300	300	300	300	1,990
	Bike and Pedestrian	135	640	1,850	550	550	550	550	4,690
	Johnson Chapel Road	-	40	-	-	-	-	-	40
	Franklin Road - South	5,060	65	-	-	-	-	-	65
	McEwen Drive	240	2,600	85	3,500	4,500	-	-	10,685
	Murray Lane	95	940	830	-	-	-	-	1,770
	Ragsdale Road	320	1,220	3,780	7,000	2,700	-	-	14,700
	Split Log Road Phase 3	300	470	750	700	4,000	8,000	4,000	17,920
	Street Lighting	95	4,000	20	20	20	20	20	4,100
	Street Resurfacing	2,500	2,600	2,700	2,800	2,800	2,800	2,800	16,500
	Sunset-Ragsdale Realignment	-	200	-	-	-	-	-	200
	Sunset Road Phase 2 (Concord to Ragsdale)	-	100	-	-	-	-	-	100
	Sunset Road Phase 3 (Ragsdale to Waller)	-	-	-	-	350	800	4,000	5,150
	Traffic Signal Upgrades	300	610	1,125	125	125	125	125	2,235

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**Summary - All Projects**  
**(000's)**

	Projected FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total 6 Years 2023-2028
Wilson Pike	-	-	175	-	-	-	-	175
<b>Total - Transportation</b>	<b>9,095</b>	<b>13,940</b>	<b>11,650</b>	<b>14,995</b>	<b>15,345</b>	<b>12,595</b>	<b>11,795</b>	<b>80,320</b>
<b>Storm Drainage</b>								
Subdivision Drainage	400	1,600	3,450	2,850	150	150	150	8,350
Tara Drive	100	-	-	-	-	-	-	-
<b>Total - Storm Drainage</b>	<b>500</b>	<b>1,600</b>	<b>3,450</b>	<b>2,850</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>8,350</b>
<b>Parks/Recreation</b>								
Crockett Park	1,795	955	1,075	525	75	75	75	2,780
Deerwood Arboretum	-	10	50	75	-	-	-	135
Flagpole and Wikle	30	-	15	-	-	-	-	15
Granny White Park	1,795	105	50	50	50	50	50	355
Marcella Vivrette Smith Park	65	145	60	20	120	20	20	385
Margaret Powell Park	10	-	-	-	-	-	-	-
Owl Creek Park	80	35	60	-	-	-	-	95
Patriot Park	-	50	-	-	-	-	-	50
River Park	-	40	-	-	-	-	-	40
Tower Park	25	20	-	-	-	-	-	20
Windy Hill Park	100	780	1,800	-	-	-	-	2,580
<b>Total - Parks/Recreation</b>	<b>3,900</b>	<b>2,140</b>	<b>3,110</b>	<b>670</b>	<b>245</b>	<b>145</b>	<b>145</b>	<b>6,455</b>
<b>Utilities</b>								
Miscellaneous Sewer Service Additions	35	500	45	45	45	45	45	725
Miscellaneous Sewer System Improvements	10	115	110	110	110	110	110	665
Miscellaneous Water System Improvements	5	175	110	110	110	110	110	725
Sewer Rehabilitation Program	215	990	625	1,125	575	575	575	4,465
Sewer System Capacity Improvements	5,325	5,860	-	-	100	1,000	1,500	8,460
Sewer Lift Station Rehabilitation	80	1,380	-	-	-	-	-	1,380
Water Line Replacement Program	80	2,500	2,500	1,000	100	1,200	2,875	10,175
Water System Capacity Improvements	10	400	2,295	1,060	350	1,870	175	6,150
Water Tank Improvements	30	415	135	-	-	-	-	550
<b>Total - Utilities</b>	<b>5,790</b>	<b>12,335</b>	<b>5,820</b>	<b>3,450</b>	<b>1,390</b>	<b>4,910</b>	<b>5,390</b>	<b>33,295</b>
<b>TOTALS</b>	<b>30,205</b>	<b>35,895</b>	<b>28,895</b>	<b>29,710</b>	<b>21,240</b>	<b>21,445</b>	<b>20,750</b>	<b>157,935</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**General Facilities and Equipment**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
Community Identity Features	10	115	50	15	15	15	15	225
Community Planning	-	-	60	75	-	-	-	135
Equipment and Vehicles	2,330	1,115	860	990	1,410	2,125	2,375	8,875
Fire Stations	5,725	1,555	-	-	-	150	-	1,705
Library	445	120	400	50	50	50	50	720
Municipal Center	120	620	1,880	170	170	170	170	3,180
Park Operations Facility	-	-	200	5,200	-	-	-	5,400
Police Headquarters	165	100	-	-	-	-	-	100
Safety Center East	55	25	25	25	25	25	25	150
Service Center	120	475	200	110	1,490	50	50	2,375
<b>Grand Total</b>	<b>8,970</b>	<b>4,125</b>	<b>3,675</b>	<b>6,635</b>	<b>3,160</b>	<b>2,585</b>	<b>2,685</b>	<b>22,865</b>

**Source of Funds**

Capital Projects Fund	5,960	1,920	-	-	-	-	-	1,920
General Fund	-	-	810	350	1,455	165	15	2,795
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	5,000	-	-	-	5,000
Equipment Replacement Division	1,790	1,115	860	990	1,410	2,125	2,375	8,875
Facilities Maintenance Division	600	415	475	125	125	125	125	1,390
Inter-Governmental Sources	500	-	-	-	-	-	-	-
Municipal Center Fund	120	620	1,380	170	170	170	170	2,680
Private Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	55	150	-	-	-	-	205
ECD Fund	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>8,970</b>	<b>4,125</b>	<b>3,675</b>	<b>6,635</b>	<b>3,160</b>	<b>2,585</b>	<b>2,685</b>	<b>22,865</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**Technology Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-28</b>
Computer Equipment	395	795	750	1,035	925	985	560	5,050
Emergency Communications Center	1,090	160	-	-	-	-	-	160
Fiber Network	35	535	400	-	-	-	-	935
Radio System	-	145	-	-	-	-	-	145
Security System	115	-	-	-	-	-	-	-
Software Systems	315	120	40	25	25	25	25	260
Warning Sirens	-	-	-	50	-	50	-	100
<b>Grand Total</b>	<b>1,950</b>	<b>1,755</b>	<b>1,190</b>	<b>1,110</b>	<b>950</b>	<b>1,060</b>	<b>585</b>	<b>6,650</b>

**Source of Funds**

Capital Projects Fund	430	885	-	-	-	-	-	885
General Fund	-	-	400	50	-	50	-	500
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Equipment Replacement Division	325	815	760	1,030	880	980	420	4,885
Facilities Maintenance Division	-	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Municipal Center Fund	-	-	-	-	-	-	-	-
Water and Sewer Fund	5	40	20	25	10	15	20	130
ECD Fund	1,190	15	10	5	60	15	145	250
<b>Grand Total</b>	<b>1,950</b>	<b>1,755</b>	<b>1,190</b>	<b>1,110</b>	<b>950</b>	<b>1,060</b>	<b>585</b>	<b>6,650</b>



**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**Transportation**  
**(000's)**

<b>Projects</b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
ADA Retrofits	50	455	335	300	300	300	300	1,990
Bike and Pedestrian	135	640	1,850	550	550	550	550	4,690
Johnson Chapel Road	-	40	-	-	-	-	-	40
Franklin Road - South	5,060	65	-	-	-	-	-	65
McEwen Drive	240	2,600	85	3,500	4,500	-	-	10,685
Murray Lane	95	940	830	-	-	-	-	1,770
Ragsdale Road	320	1,220	3,780	7,000	2,700	-	-	14,700
Split Log Road Phase 3	300	470	750	700	4,000	8,000	4,000	17,920
Street Lighting	95	4,000	20	20	20	20	20	4,100
Street Resurfacing	2,500	2,600	2,700	2,800	2,800	2,800	2,800	16,500
Sunset-Ragsdale Realignment	-	200	-	-	-	-	-	200
Sunset Road Phase 2 (Concord to Ragsdale)	-	100	-	-	-	-	-	100
Sunset Road Phase 3 (Ragsdale to Waller)	-	-	-	-	350	800	4,000	5,150
Traffic Signal Upgrades	300	610	1,125	125	125	125	125	2,235
Wilson Pike	-	-	175	-	-	-	-	175
<b>Grand Total</b>	<b>9,095</b>	<b>13,940</b>	<b>11,650</b>	<b>14,995</b>	<b>15,345</b>	<b>12,595</b>	<b>11,795</b>	<b>80,320</b>

**Source of Funds**

Capital Projects Fund	1,360	4,940	1,050	2,855	-	-	-	8,845
General Fund	800	1,165	3,685	6,870	7,085	5,645	8,345	32,795
General Fund - Unrestricted Balance	-	-	-	3,000	3,000	-	-	6,000
G O Bond Proceeds	-	5,220	3,780	-	-	5,000	-	14,000
Facilities Maintenance Division	60	50	50	50	50	50	50	300
Private Sources	-	-	-	-	630	-	-	630
Public Works Project Fund	-	-	-	320	2,680	-	1,500	4,500
Inter-Governmental Sources	5,175	765	1,185	-	-	-	-	1,950
State Street Aid Fund	1,700	1,800	1,900	1,900	1,900	1,900	1,900	11,300
Water and Sewer Fund	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>9,095</b>	<b>13,940</b>	<b>11,650</b>	<b>14,995</b>	<b>15,345</b>	<b>12,595</b>	<b>11,795</b>	<b>80,320</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**Storm Drainage Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
Subdivision Drainage	400	1,600	3,450	2,850	150	150	150	8,350
Tara Drive	100	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>500</b>	<b>1,600</b>	<b>3,450</b>	<b>2,850</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>8,350</b>

**Source of Funds**

Capital Projects Fund	200	100	-	-	-	-	-	100
General Fund	50	50	150	150	150	150	150	800
G O Bond Proceeds	-	-	-	-	-	-	-	-
Inter-Governmental Sources	250	1,450	3,300	2,700	-	-	-	7,450
<b>Grand Total</b>	<b>500</b>	<b>1,600</b>	<b>3,450</b>	<b>2,850</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>8,350</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**Parks and Recreation Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
Crockett Park	1,795	955	1,075	525	75	75	75	2,780
Deerwood Arboretum	-	10	50	75	-	-	-	135
Flagpole and Wikle	30	-	15	-	-	-	-	15
Granny White Park	1,795	105	50	50	50	50	50	355
Marcella Vivrette Smith Park	65	145	60	20	120	20	20	385
Margaret Powell Park	10	-	-	-	-	-	-	-
Owl Creek Park	80	35	60	-	-	-	-	95
Patriot Park	-	50	-	-	-	-	-	50
River Park	-	40	-	-	-	-	-	40
Tower Park	25	20	-	-	-	-	-	20
Windy Hill Park	100	780	1,800	-	-	-	-	2,580
<b>Grand Total</b>	<b>3,900</b>	<b>2,140</b>	<b>3,110</b>	<b>670</b>	<b>245</b>	<b>145</b>	<b>145</b>	<b>6,455</b>

**Source of Funds**

Capital Projects Fund	1,900	1,600	1,800	-	-	-	-	3,400
General Fund	-	-	1,000	525	100	-	-	1,625
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Facilities Maintenance Division	475	540	310	145	145	145	145	1,430
Private Sources	1,525	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>3,900</b>	<b>2,140</b>	<b>3,110</b>	<b>670</b>	<b>245</b>	<b>145</b>	<b>145</b>	<b>6,455</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Year 2023 - 2028**  
**Water and Sewer Program - Summary**  
**(000's)**

<b>Projects</b>	<b>Projected 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
Miscellaneous Sewer Service Additions	35	500	45	45	45	45	45	725
Miscellaneous Sewer System Improvements	10	115	110	110	110	110	110	665
Miscellaneous Water System Improvements	5	175	110	110	110	110	110	725
Sewer Rehabilitation Program	215	990	625	1,125	575	575	575	4,465
Sewer System Capacity Improvements	5,325	5,860	-	-	100	1,000	1,500	8,460
Sewer Lift Station Rehabilitation	80	1,380	-	-	-	-	-	1,380
Water Line Replacement Program	80	2,500	2,500	1,000	100	1,200	2,875	10,175
Water System Capacity Improvements	10	400	2,295	1,060	350	1,870	175	6,150
Water Tank Improvements	30	415	135	-	-	-	-	550
<b>Grand Total</b>	<b>5,790</b>	<b>12,335</b>	<b>5,820</b>	<b>3,450</b>	<b>1,390</b>	<b>4,910</b>	<b>5,390</b>	<b>33,295</b>

**Source of Funds**

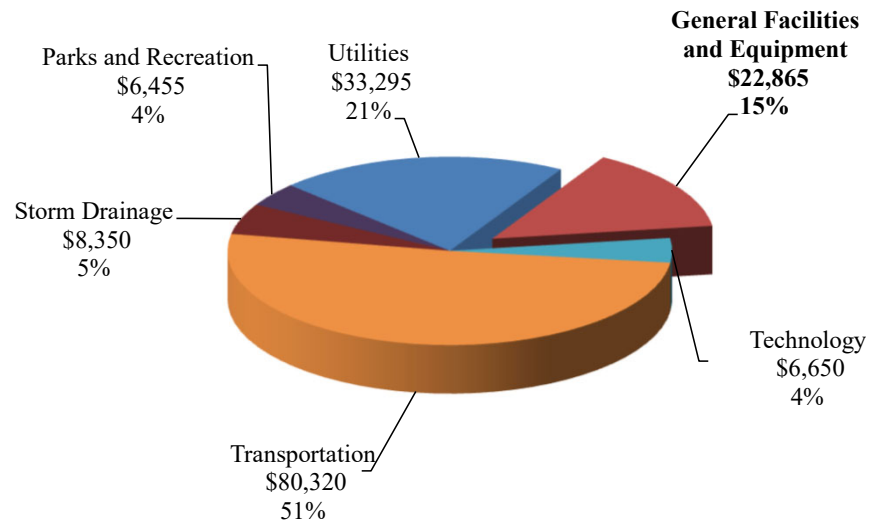
Water and Sewer Fund	390	5,160	3,345	2,345	995	2,995	5,170	20,010
Water Tap Fees and NCGUD Tap Fees	40	815	2,430	1,060	350	1,870	175	6,700
Sewer Tap Fees	360	1,315	40	40	40	40	40	1,515
Private Sources	-	45	5	5	5	5	5	70
Inter-Governmental Sources	-	5,000	-	-	-	-	-	5,000
Water and Sewer Bond/Note Proceeds	5,000	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>5,790</b>	<b>12,335</b>	<b>5,820</b>	<b>3,450</b>	<b>1,390</b>	<b>4,910</b>	<b>5,390</b>	<b>33,295</b>



## **GENERAL FACILITIES and EQUIPMENT**

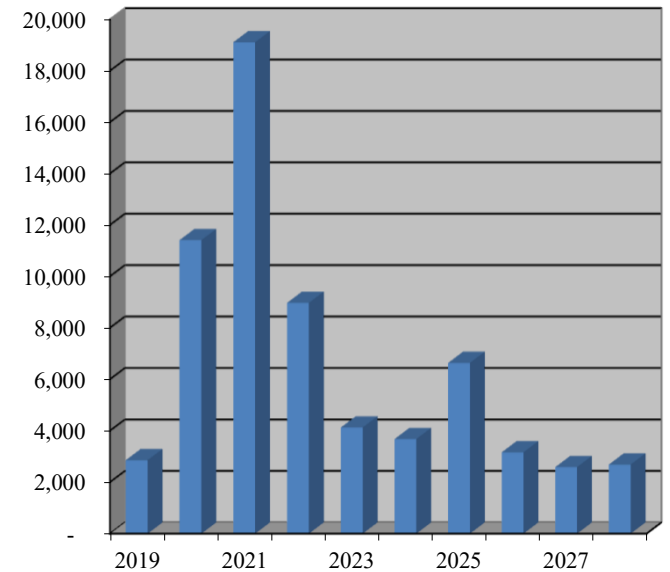
# GENERAL FACILITIES AND EQUIPMENT

## FISCAL YEARS 2023-2028



Amounts in 000's

General Facilities Annual Expenditures



Amounts in 000's

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**General Facilities and Equipment**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
Community Identity Features	10	115	50	15	15	15	15	225
Community Planning	-	-	60	75	-	-	-	135
Equipment and Vehicles	2,330	1,115	860	990	1,410	2,125	2,375	8,875
Fire Stations	5,725	1,555	-	-	-	150	-	1,705
Library	445	120	400	50	50	50	50	720
Municipal Center	120	620	1,880	170	170	170	170	3,180
Park Operations Facility	-	-	200	5,200	-	-	-	5,400
Police Headquarters	165	100	-	-	-	-	-	100
Safety Center East	55	25	25	25	25	25	25	150
Service Center	120	475	200	110	1,490	50	50	2,375
<b>Grand Total</b>	<b>8,970</b>	<b>4,125</b>	<b>3,675</b>	<b>6,635</b>	<b>3,160</b>	<b>2,585</b>	<b>2,685</b>	<b>22,865</b>

**Source of Funds**

Capital Projects Fund	5,960	1,920	-	-	-	-	-	1,920
General Fund	-	-	810	350	1,455	165	15	2,795
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	5,000	-	-	-	5,000
Equipment Replacement Division	1,790	1,115	860	990	1,410	2,125	2,375	8,875
Facilities Maintenance Division	600	415	475	125	125	125	125	1,390
Inter-Governmental Sources	500	-	-	-	-	-	-	-
Municipal Center Fund	120	620	1,380	170	170	170	170	2,680
Private Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	55	150	-	-	-	-	205
ECD Fund	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>8,970</b>	<b>4,125</b>	<b>3,675</b>	<b>6,635</b>	<b>3,160</b>	<b>2,585</b>	<b>2,685</b>	<b>22,865</b>



<b>PROJECT</b>	<b>Community Identity Features</b>	<b>Account #</b>	<b>311-45200-89700-5026</b>
<b>PROGRAM</b>	<b>General Facilities &amp; Equipment</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Community Relations</b>
<b>DESCRIPTION</b>	This project provides for the installation of gateway entrance features, directional signage and other beautification improvements along the primary streets of Brentwood.		
<b>STATUS</b>	FY 2022 funding provides for survey work at potential gateway sign locations as needed to prepare plans for submittal to TDOT. FY's 2023 and 2024 funding provides for initial installation of new gateway signs subject to final design and cost approval by the City Commission. Funding is allocated in future years for signage and beautification projects as may be identified.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	10							
Construction		115	50	15	15	15	15	225
<b>TOTAL EXPENDITURES</b>	<b>10</b>	<b>115</b>	<b>50</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>225</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	10	115						115
General Fund			50	15	15	15	15	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								
<b>TOTAL FUNDS</b>	<b>10</b>	<b>115</b>	<b>50</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>225</b>

---

---

**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:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Community Planning</b>	<b>Account #</b>	<b>311-45200-89700-5009</b>
<b>PROGRAM</b>	<b>General Facilities &amp; Equipment</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Planning and Codes</b>
<b>DESCRIPTION</b>	This project addresses long range planning efforts of the City. This includes periodic updates to the Brentwood 2030 Comprehensive Plan which was adopted in 2015. The 2030 Plan 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.		
<b>STATUS</b>	Funding in FY 2024 includes \$60,000 for a special census if determined to be advantageous for the City, 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 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Consultant Services				75				75
Special Census			60					60
<b>TOTAL EXPENDITURES</b>	-	-	60	75	-	-	-	135
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund			60	75				135
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								
<b>TOTAL FUNDS</b>	-	-	60	75	-	-	-	135

---

---

**JUSTIFICATION**

Consideration of periodic updates to the Brentwood 2030 Plan are appropriate, especially if there are any significant changes to the community development patterns, demographics, etc. Also, 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 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) 311-45200-89700-5027 (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 \$45,000 (including fully equipped patrol cars) is funded from this account. This includes fire apparatus, brush removal trucks, and larger dump trucks. Cars, pickups, and equipment in departments other than Police less than \$45,000 are purchased directly in the operating budget of each department.			
STATUS	FY 2022 provided for replacement of a tractor and dump truck in Public Works, two (2) fire apparatus, and nine (9) Police vehicles. FY 2023 proposals include those funded by the Equipment Replacement Fund: a 5th grapple truck (\$210,000) to replace a chipper truck and machine, and two dump trucks (\$230,000) in Public Works, a combo truck (\$65,000) and a 4500D mower (\$85,000) in Parks, a squad truck (\$50,000), and four (4) air packs (\$35,000) in FD, and ten (10) vehicles in PD (\$475,000). The latter includes two (2) in Administration and eight (8) in Patrol. Lower-cost vehicles, including replacements, new additions, and those ordered in FY 2022 but not expected to be delivered by fiscal year-end are shown in the Capital Projects Fund. Funding for the squad truck, and Public Works vehicles is contingent upon a \$150,000 FYE transfer of excess General Fund revenues to the Equipment Replacement Fund.			

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Public Works Vehicles/Equipment	205	440	50	105	355	565	65	1,580
Fire Apparatus/Vehicles	1,680	50		485	360	870	1,705	3,470
Parks Equipment		150			70			220
Police Vehicles	405	475	810	400	625	690	605	3,605
Misc. Equip.	40							
<b>TOTAL EXPENDITURES</b>	<b>2,330</b>	<b>1,115</b>	<b>860</b>	<b>990</b>	<b>1,410</b>	<b>2,125</b>	<b>2,375</b>	<b>8,875</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	40							
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	1,790	1,115	860	990	1,410	2,125	2,375	8,875
Facilities Maintenance Division								
Inter-Governmental Sources	500							
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>2,330</b>	<b>1,115</b>	<b>860</b>	<b>990</b>	<b>1,410</b>	<b>2,125</b>	<b>2,375</b>	<b>8,875</b>

---

---

**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:**

---

<b>PROJECT</b>	<b>Fire Stations</b>	<b>Account #</b>	<b>311-45200-89700-5018</b>
<b>PROGRAM</b>	<b>General Facilities &amp; Equipment</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Fire Rescue</b>

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

**STATUS** Construction of Station No. 5 on Split Log Road is underway with station opening planned in late CY 2022. The total design and construction budget is \$8.4 million, including \$845,000 for the apparatus, which is reflected in the Equipment project of this CIP. Funding has been allocated over the past several years from both excess General Fund revenues and savings on other capital projects. A final General Fund year-end transfers of excess revenues (\$2,820,000) to the Capital Projects Fund will be required in FY 2022 to complete funding for this project. Funding for schematic design services related to a possible renovation of Fire Station #2 is reflected in FY 2027, at which time that station will be approximately 40 years old.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Land Acquisition								
Architectural Services	125	15				150		165
Construction	5,600	1,390						1,390
Facility Maintenance								
Equipment		150						150
<b>TOTAL EXPENDITURES</b>	<b>5,725</b>	<b>1,555</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>150</b>	<b>-</b>	<b>1,705</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	5,725	1,555						1,555
General Fund						150		150
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								
<b>TOTAL FUNDS</b>	<b>5,725</b>	<b>1,555</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>150</b>	<b>-</b>	<b>1,705</b>

---

---

**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)	500
Operating Expenditures	75
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>575</u>
---	------------

**OFFSETTING REVENUE:**

---



<b>PROJECT</b>	<b>Library</b>	<b>Account #</b>	<b>311-45200-89700-5002</b> <b>312-44800-89605 (Facilities Maintenance)</b>
<b>PROGRAM</b>	<b>General Facilities &amp; Equipment</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Library</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	FY 2022 funding included replacement of the original Trane chiller unit and the building HVAC management system, handicap accessibility for the doors to the main room, and repairs to the exterior doors to Meeting Rooms A and B. A state grant funded the chiller and building management system. FY 2023 funding includes additional drainage improvements at the back of the building (\$20,000), \$75,000 for extraordinary repairs, and carry-forward funding for a cellular booster system (\$25,000) from FY 2022. Funding is provided in FY 2024 for replacement of the ballasted roof sections (\$350,000). Funding of \$50,000 is provided in FY 2024-2028 for extraordinary repairs.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Architectural Services								
Construction								
Facility Maintenance	445	95	400	50	50	50	50	695
Equipment		25						25
<b>TOTAL EXPENDITURES</b>	<b>445</b>	<b>120</b>	<b>400</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>720</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	10	25						25
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division	435	95	400	50	50	50	50	695
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	<b>445</b>	<b>120</b>	<b>400</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>720</b>

---

---

**JUSTIFICATION**

The John P. Holt Brentwood Library is the most utilized City facility on a daily basis. Improvements to the facility allow for expanded collections and programs and ensure the facility will remain a state of the art building serving the intellectual needs of patrons in the future. The flat portions of the original roof, now 23 years old, 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. All asphalt shingles were replaced in FY 2021.

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	(5)
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>(5)</u>
(chiller replacement with a more efficient unit will result in reduced operating costs)	

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Municipal Center</b>	<b>Account #</b>	<b>434-16200</b>
<b>PROGRAM</b>	<b>General Facilities &amp; Equipment</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Finance</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	Funding was provided in FY 2022 for replacement of the building's Uninterruptible Power Supply, as well as completion of a space needs analysis and conceptual design for the reprogramming of the space the Police Department vacated. Funding of \$2,500,000, inclusive of design and construction, is provided for renovations between FY 2023 and 2024. Of this amount, \$2,000,000 is anticipated to come from the Municipal Center Fund and \$500,000 will be proposed to come from a 2023 FYE transfer of General Fund excess revenues to the Capital Projects Fund. Annual funding of \$150,000 is provided in anticipation of larger repair and maintenance projects to this 36 year-old facility.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Construction	85	460	1,840	150	150	150	150	2,900
Architectural Services	35	160	40	20	20	20	20	280
Consultant Services								
<b>TOTAL EXPENDITURES</b>	<b>120</b>	<b>620</b>	<b>1,880</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>3,180</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund			500					500
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund	120	620	1,380	170	170	170	170	2,680
Private Sources								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	<b>120</b>	<b>620</b>	<b>1,880</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>3,180</b>

---

---

**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):	<u>15</u>
---	-----------

(improvements increase depreciation expense for the Municipal Center Fund)

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Park Operations Facility</b>	<b>Account #</b>	<b>311-45200-89700-5029</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>
<b>DESCRIPTION</b>	<b>This project provides for site selection, design, and construction of a Park Operations Facility to house all Parks Department staff.</b>		

**STATUS**                      After a previous evaluation of 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 2024, with construction following in FY 2025. A preliminary estimate of \$5.4M has been established for this project, with proposed funding including \$5 million in G.O. bonds to be issued in FY 2025 and \$400,000 in General Fund excess revenues transferred from FY 2023.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Planning/Engineering			200	200				400
Buildings, Facilities, etc.				5,000				5,000
Furniture/Equipment								
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>	-	-	200	5,200	-	-	-	5,400
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund			200	200				400
General Fund (Unrestricted Balance)								
G O Bond Proceeds				5,000				5,000
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	-	-	200	5,200	-	-	-	5,400

---

---

**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	100
Debt Service	400

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<u>500</u>
(Building operation costs including utilities, maintenance, etc.)	

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Police Headquarters</b>	<b>Account #</b>	<b>311-45200-89700-5028</b>
<b>PROGRAM</b>	<b>General Facilities &amp; Equipment</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Police</b>
<b>DESCRIPTION</b>	This project provides for design and construction of a new headquarters facility for the Police Department at 910 Heritage Way. All department operations relocated to the new facility, including emergency communications in spring 2022. The City also partnered with Williamson County EMS to provide space for an ambulance and crew on-site.		
<b>STATUS</b>	Construction of this facility was completed in the spring of 2021 with some continuing punch list items, owner provided equipment, and minor modification work continuing into FY 2022. FY 2023 includes \$100,000 for a cellular booster system to increase cell coverage in the building.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Construction	100							
Design/Consultant Services								
Furniture and Equipment	65	100						100
<b>TOTAL EXPENDITURES</b>	<b>165</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	165	100						100
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								
<b>TOTAL FUNDS</b>	<b>165</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100</b>

---

---

**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 was still severely challenged. Police operations were 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 was severely lacking. Consolidation of Police department operations in a new facility provides operational efficiencies for the department and alleviates space constraints at City Hall.

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	-
Operating Expenditures	515
Debt Service	975

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>1,490</b>
--	--------------

**OFFSETTING REVENUE:**

---



## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Safety Center East</b>	<b>Account #</b>	<b>311-45200-89700-5014 (Safety Ctr East) 312-42200-89601 (Facilities Maintenance)</b>
<b>PROGRAM</b>	<b>General Facilities &amp; Equipment</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Fire (Maintenance)</b>
<b>DESCRIPTION</b>	<b>This project provides for maintenance and improvements to the Safety Center East which includes Fire Station #4, a community room, fire training center, Public Works salt storage building, and fuel facility.</b>		
<b>STATUS</b>	<b>FY 2022 projects included providing electrical power to the covered shelter on the drill grounds and resealing a portion of the parking and drive aisles. In FY 2023 and beyond, \$25,000 is provided for extraordinary repair projects that may arise annually.</b>		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Design Services								
Construction / Equipment	10							
Facility Maintenance	45	25	25	25	25	25	25	150
<b>TOTAL EXPENDITURES</b>	<b>55</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>150</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	10							
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Fund								
Facilities Maintenance Fund	45	25	25	25	25	25	25	150
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	<b>55</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>150</b>

---

---

**JUSTIFICATION**

**This multi-functional facility serves a variety of city and community purposes. The facility is now over 20 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:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	Service Center	Account #	311-45200-89700-5005 312-43170-89603 (Facilities Maintenance)
----------------	----------------	-----------	--

<b>PROGRAM</b>	General Facilities & Equipment	<b>RESPONSIBLE DEPARTMENT</b>	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, and Water Services departments as well as Fire Station No. 3. The site also includes the chipper processing function and one of the City's two salt storage facilities.

**STATUS** Annual funding is provided for extraordinary repairs (\$50,000). FY 2022 funding included gutter sealing/replacement. FY 2023 will provide for installation of snow guards on the roof (\$15,000), replacement of the underground diesel fuel tanks (\$150,000), exterior repairs on multiple buildings (\$30,000), and space planning/schematic design of future interior renovations (\$125,000). Additionally, Water Services has projects for improvements to the pump shop and relocation of the aggregate materials bins and construction of covered storage for same between FY's 2023 and 2024 (\$205,000). Funding for the fuel tank replacement is contingent upon a \$150,000 2022 FYE transfer of General Fund excess revenues to the Facilities Maintenance Fund.

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Design Services		140	25	60	40			265
Equipment								
Construction		30	125		1,400			1,555
Facility Maintenance	120	305	50	50	50	50	50	555
<b>TOTAL EXPENDITURES</b>	<b>120</b>	<b>475</b>	<b>200</b>	<b>110</b>	<b>1,490</b>	<b>50</b>	<b>50</b>	<b>2,375</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		125						125
General Fund				60	1,440			1,500
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division	120	295	50	50	50	50	50	545
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund		55	150					205
ECD Fund								
<b>TOTAL FUNDS</b>	<b>120</b>	<b>475</b>	<b>200</b>	<b>110</b>	<b>1,490</b>	<b>50</b>	<b>50</b>	<b>2,375</b>

---

---

**JUSTIFICATION**

**This 29 year-old facility requires periodic repairs and improvements to ensure effective operation and to protect the City's investment.**

---

---

**PROGRAM AND FACILITY COSTS:**

<b>Personnel Services</b>	-
<b>Operating Expenditures</b>	-
<b>Debt Service</b>	-

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

---

---

**-****OFFSETTING REVENUE:**

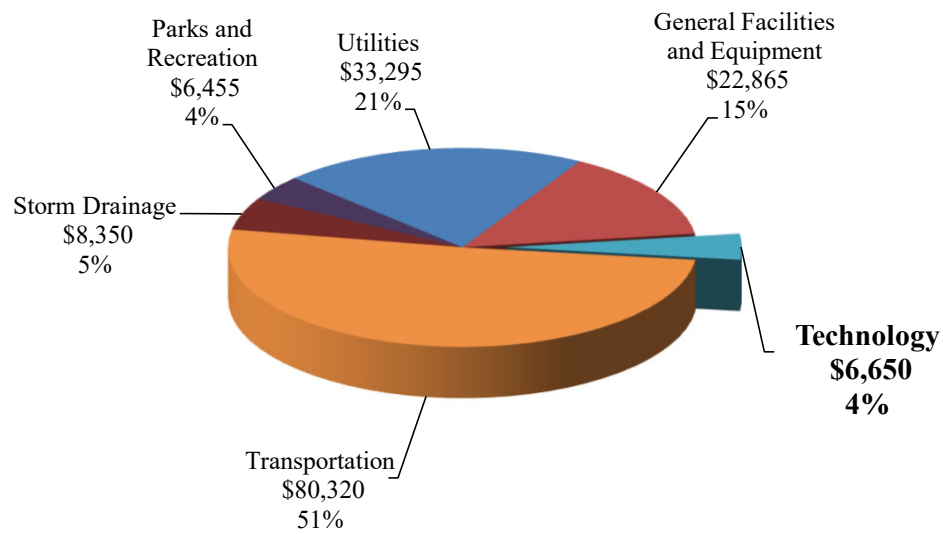
---



**TECHNOLOGY**

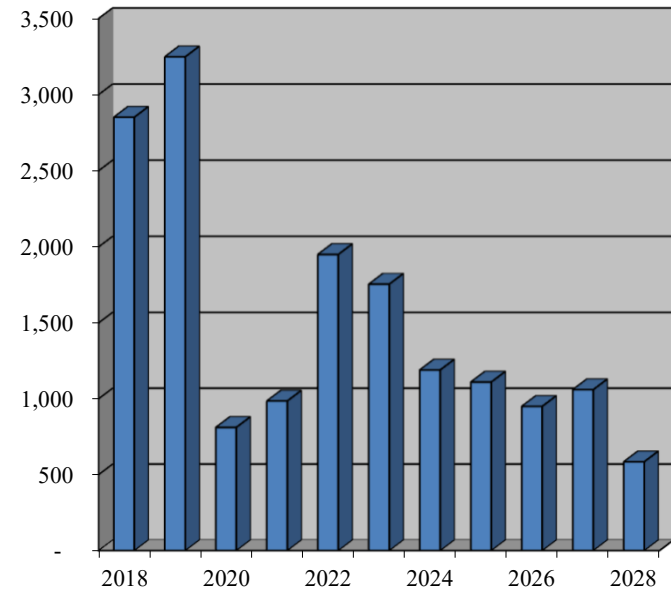
# TECHNOLOGY

## FISCAL YEARS 2023-2028



Amounts in 000's

### Technology Annual Expenditures



Amounts in 000's

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**Technology Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-28</b>
Computer Equipment	395	795	750	1,035	925	985	560	5,050
Emergency Communications Center	1,090	160	-	-	-	-	-	160
Fiber Network	35	535	400	-	-	-	-	935
Radio System	-	145	-	-	-	-	-	145
Security System	115	-	-	-	-	-	-	-
Software Systems	315	120	40	25	25	25	25	260
Warning Sirens	-	-	-	50	-	50	-	100
<b>Grand Total</b>	<b>1,950</b>	<b>1,755</b>	<b>1,190</b>	<b>1,110</b>	<b>950</b>	<b>1,060</b>	<b>585</b>	<b>6,650</b>

**Source of Funds**

Capital Projects Fund	430	885	-	-	-	-	-	885
General Fund	-	-	400	50	-	50	-	500
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Equipment Replacement Division	325	815	760	1,030	880	980	420	4,885
Facilities Maintenance Division	-	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Municipal Center Fund	-	-	-	-	-	-	-	-
Water and Sewer Fund	5	40	20	25	10	15	20	130
ECD Fund	1,190	15	10	5	60	15	145	250
<b>Grand Total</b>	<b>1,950</b>	<b>1,755</b>	<b>1,190</b>	<b>1,110</b>	<b>950</b>	<b>1,060</b>	<b>585</b>	<b>6,650</b>



## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Computer Equipment</b>	<b>Account #</b>	<b>310-41640-89540 &amp; 83540 (Hardware &amp; Hardware N/C) 412-00000-16400 (Equipment); 450-13080 (ECD)</b>
<b>PROGRAM</b>	<b>Technology</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Technology</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	FY 2022 provided for replacement of computers, external storage devices, 2 servers and a Domain Controller in Technology, a large screen monitor in Traffic Operations, equipment and computers for BTV and web streaming, as well as system infrastructure such as switches, firewalls, and routers. FY 2023 expenditures will include replacement of the City's NetApp network storage with a different platform (\$450,000), 31 replacement computers in Fire (\$41,500), 73 computers in the Library (\$99,000), 1 computer in PD (\$4,500), 2 computers in Engineering (\$5,700), 7 computers in Water Services (\$12,600). ECD will replace a communications recorder (\$25,000), and several replacement components for BTV and are needed (\$45,000). The network storage is subject to a 2022 FYE transfer of \$100,000 from General Fund excess revenues to the Equipment Replacement Fund.		

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Computer/Hardware/Equipment	395	795	750	1,035	925	985	560	5,050
GPS Equipment								
Commission Chambers A/V								
<b>TOTAL EXPENDITURES</b>	<b>395</b>	<b>795</b>	<b>750</b>	<b>1,035</b>	<b>925</b>	<b>985</b>	<b>560</b>	<b>5,050</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	255	765	720	1,005	855	955	395	4,695
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund	5	15	20	25	10	15	20	105
ECD Fund	135	15	10	5	60	15	145	250
<b>TOTAL FUNDS</b>	<b>395</b>	<b>795</b>	<b>750</b>	<b>1,035</b>	<b>925</b>	<b>985</b>	<b>560</b>	<b>5,050</b>

---

---

**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:**

---

<b>PROJECT</b>	<b>Emergency Communications Center</b>	<b>Account #</b>	<b>450-13080</b>
<b>PROGRAM</b>	<b>Technology</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Police/Fire/Technology</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	FY 2022 expenditures reflect the cost associated with relocation of the Emergency Communications Center to the Police headquarters facility. These costs include a new 911 phone system, relocation of radio consoles, new furniture, computer monitors, and miscellaneous other associated networking and technology equipment. Work to assess the pro's and con's related to CAD consolidation with Williamson County continues with funding still being held for that work if it proceeds in FY 2023.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Architecture/Engineering								
Electrical/Generator								
Computer Equipment	730							
Communication Equipment	325							
Computer Software	35	160						160
Construction								
<b>TOTAL EXPENDITURES</b>	<b>1,090</b>	<b>160</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>160</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	35	160						160
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	1,055							
<b>TOTAL FUNDS</b>	<b>1,090</b>	<b>160</b>	<b>-</b>	<b>-</b>	<b>-</b>			<b>160</b>

<b>JUSTIFICATION</b>	<p>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.</p>
----------------------	--

<b>JUSTIFICATION</b>	<p>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.</p>
----------------------	--

	<b>0</b>
	<b>0</b>

<b>Operating Expenditures</b>	<b>(ECD Fund)</b>	<b>0</b>
<b>Debt Service</b>		

### Debt Service

---



---

**0**

**OFFSETTING REVENUE:**

<b>PROJECT</b>	<b>Fiber Network</b>	<b>Account #</b>	<b>311-45300-89700-6005</b>
<b>PROGRAM</b>	<b>Technology</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Technology</b>
<b>DESCRIPTION</b>	This program provides for the maintenance and 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** FY 2022 funding provides for any necessary engineering work and the purchase of fiber associated with the extension of the fiber network along Franklin Road between Concord Road and Moore's Lane following completion of the Franklin Road widening project. FY 2023 funding provides installation of fiber along Franklin Road, extension of the City's fiber network to the Robert E. Lee radio tower and water tank site, and beginning the systematic replacement and upgrade of the original segments of the City's fiber network installed 15+ years ago. This effort will continue into FY 2024. Funding for the FY 2023 work is contingent upon a FY 2022 year-end transfer of excess revenues in the amount of \$500,000.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	10	75						75
Equipment	25							
Construction		460	400					860
<b>TOTAL EXPENDITURES</b>	<b>35</b>	<b>535</b>	<b>400</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>935</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	35	510						510
General Fund			400					400
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund		25						25
ECD Fund								
<b>TOTAL FUNDS</b>	<b>35</b>	<b>535</b>	<b>400</b>	<b>-</b>	<b>-</b>			<b>935</b>

---

---

**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. Additional connection to communication and utility sites is needed to provide redundant communications. Also, the original fiber components are nearing 20 years old and require upgrading replacement to insure reliability and expand capacity given greater and greater dependance on technology connectivity of City equipment.

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures (net)	1
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u><u>1</u></u>
---	-----------------

**OFFSETTING REVENUE:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Radio System</b>	<b>Account #</b>	<b>311-45300-89700-6004</b>
<b>PROGRAM</b>	<b>Technology</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Technology</b>

**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 was \$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, final coverage testing is pending construction of the final tower in the county. Upgrades to the non-public safety radios were completed in FY 2019. FY 2023 funding provides for the final system payment following final coverage testing and acceptance (\$100,000) and the purchase of additional radios needed for the new fire apparatus at Station 5 subject to a \$45,000 FY 2022 year-end transfer of excess revenue from the General Fund to the Equipment Replacement Fund.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering								
Equipment		145						145
Construction								
<b>TOTAL EXPENDITURES</b>	-	145	-	-	-	-	-	145
<b>SOURCE OF FUNDS</b>								
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								
<b>TOTAL FUNDS</b>	-	145	-	-	-	-	-	145

---

---

**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 not functioning or are overwhelmed through use by the general public. The Christmas 2020 bombing episode is good evidence of this. 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 provided 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	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>400</b>
--	------------

(New system requires annual maintenance fees, beginning in FY 2022 plus replacement reserves for radio units)

**OFFSETTING REVENUE:**

---



<b>PROJECT</b>	Security System	<b>Account #</b>	311-45300-89700-6016
<b>PROGRAM</b>	Technology	<b>RESPONSIBLE DEPARTMENT</b>	Technology
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	Funding in FY 2022 provides for completion of the project to replace the ID card system and installation of security cameras in certain park light fixtures. Funding was originally programmed in this project for expansion of the license plate reader system at several intersections, but it is now expected that these costs will be annual system expenses reflected in the Police Department operating budget and not capital expenses.		

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Card-Swipe Secure Access System	70							
Park and LPR Security Cameras	45							
<b>TOTAL EXPENDITURES</b>	115	-	-	-	-	-	-	-
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	115							
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								
<b>TOTAL FUNDS</b>	115	-	-	-	-			-

---

---

**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	25
Debt Service	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>25</b>
(Annual LPR Subscription Fees)	

**OFFSETTING REVENUE:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	Software Systems	<b>Account #</b>	311-45300-89700-6006 (GEMS & specialized software), 6011 (Website), 310-41640-89550 (ERF)
<b>PROGRAM</b>	Technology	<b>RESPONSIBLE DEPARTMENT</b>	Technology
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	FY 2022 included completion of the migration to the CitySuite accounting and HR software platform, the HR Time and Attendance software, police evidence management software VMWare upgrade, and Veeam cloud data backup and recovery software. FY 2023 expenditures will include replacement of the building security camera video management software (\$70,000), Windows Server Client Access Licenses (\$10,000), operating system licenses for Blade Servers (\$25,000), and placeholder funding for miscellaneous software (\$15,000). The security camera video management system is subject to a 2022 FYE transfer of \$70,000 from General Fund excess revenues to the Capital Projects Fund.		

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Miscellaneous Software	45	25	15	25	25	25	25	140
Specialized Department Software	45	70						70
Finance Software	200							
Blade Server Operating Systems	25	25	25					50
<b>TOTAL EXPENDITURES</b>	<b>315</b>	<b>120</b>	<b>40</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>260</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	245	70						70
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	70	50	40	25	25	25	25	190
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	<b>315</b>	<b>120</b>	<b>40</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>260</b>

---

---

**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):	<u>40</u>
---	-----------

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Warning Sirens</b>	<b>Account #</b>	<b>311-45300-89700-6001</b>
<b>PROGRAM</b>	<b>Technology</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Technology</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	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.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
<b>Warning Siren</b>				<b>50</b>		<b>50</b>		<b>100</b>
<b>TOTAL EXPENDITURES</b>	-	-	-	<b>50</b>	-	<b>50</b>	-	<b>100</b>
<b>SOURCE OF FUNDS</b>								
<b>Capital Projects Fund</b>								
<b>General Fund</b>		-		<b>50</b>		<b>50</b>		<b>100</b>
<b>General Fund (Unrestricted Balance)</b>								
<b>G O Bond Proceeds</b>								
<b>Equipment Replacement Division</b>								
<b>Facilities Maintenance Division</b>								
<b>Inter-Governmental Sources</b>								
<b>Municipal Center Fund</b>								
<b>Water and Sewer Fund</b>								
<b>ECD Fund</b>								
<b>TOTAL FUNDS</b>	-	-	-	<b>50</b>	-	<b>50</b>		<b>100</b>

---

---

**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):	<u>1</u>
---	----------

**OFFSETTING REVENUE:**

---

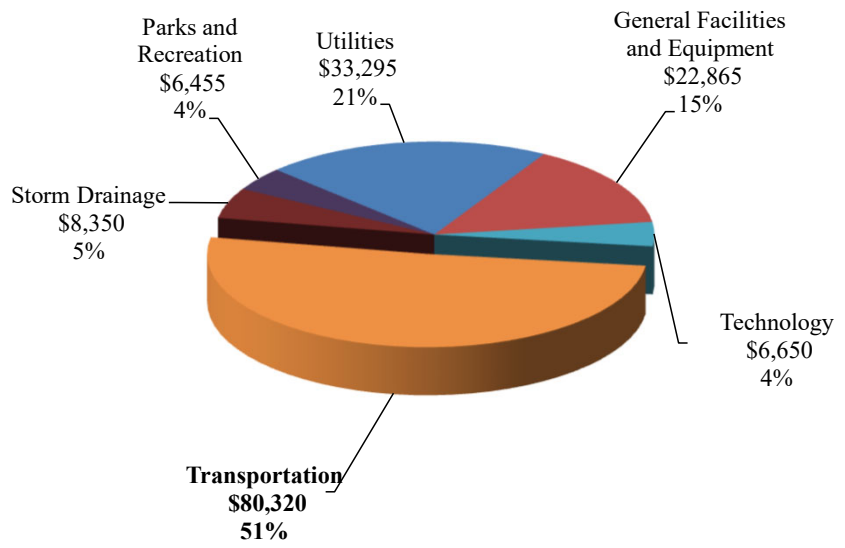


**TRANSPORTATION**



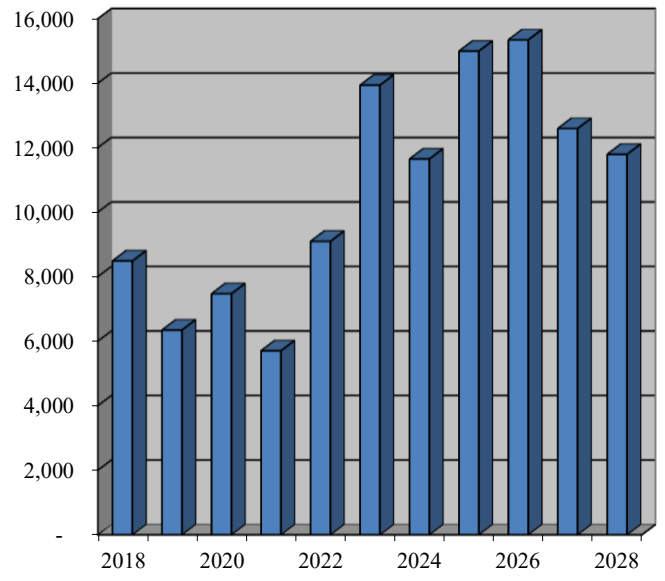
# TRANSPORTATION

## FISCAL YEARS 2023-2028



Amounts in 000's

Transportation Annual Expenditures



Amounts in 000's

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**Transportation**  
**(000's)**

<b>Projects</b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
ADA Retrofits	50	455	335	300	300	300	300	1,990
Bike and Pedestrian	135	640	1,850	550	550	550	550	4,690
Johnson Chapel Road	-	40	-	-	-	-	-	40
Franklin Road - South	5,060	65	-	-	-	-	-	65
McEwen Drive	240	2,600	85	3,500	4,500	-	-	10,685
Murray Lane	95	940	830	-	-	-	-	1,770
Ragsdale Road	320	1,220	3,780	7,000	2,700	-	-	14,700
Split Log Road Phase 3	300	470	750	700	4,000	8,000	4,000	17,920
Street Lighting	95	4,000	20	20	20	20	20	4,100
Street Resurfacing	2,500	2,600	2,700	2,800	2,800	2,800	2,800	16,500
Sunset-Ragsdale Realignment	-	200	-	-	-	-	-	200
Sunset Road Phase 2 (Concord to Ragsdale)	-	100	-	-	-	-	-	100
Sunset Road Phase 3 (Ragsdale to Waller)	-	-	-	-	350	800	4,000	5,150
Traffic Signal Upgrades	300	610	1,125	125	125	125	125	2,235
Wilson Pike	-	-	175	-	-	-	-	175
<b>Grand Total</b>	<b>9,095</b>	<b>13,940</b>	<b>11,650</b>	<b>14,995</b>	<b>15,345</b>	<b>12,595</b>	<b>11,795</b>	<b>80,320</b>

**Source of Funds**

Capital Projects Fund	1,360	4,940	1,050	2,855	-	-	-	8,845
General Fund	800	1,165	3,685	6,870	7,085	5,645	8,345	32,795
General Fund - Unrestricted Balance	-	-	-	3,000	3,000	-	-	6,000
G O Bond Proceeds	-	5,220	3,780	-	-	5,000	-	14,000
Facilities Maintenance Division	60	50	50	50	50	50	50	300
Private Sources	-	-	-	-	630	-	-	630
Public Works Project Fund	-	-	-	320	2,680	-	1,500	4,500
Inter-Governmental Sources	5,175	765	1,185	-	-	-	-	1,950
State Street Aid Fund	1,700	1,800	1,900	1,900	1,900	1,900	1,900	11,300
Water and Sewer Fund	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>9,095</b>	<b>13,940</b>	<b>11,650</b>	<b>14,995</b>	<b>15,345</b>	<b>12,595</b>	<b>11,795</b>	<b>80,320</b>

<b>PROJECT</b>	<b>ADA Retrofits</b>	<b>Account #</b>	<b>311-43100-89700-1043</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>

**DESCRIPTION** This project provides for modifications to intersection curb ramps, pedestrian signals, sidewalks, municipal parking lots, and other facilities identified as needing improvement by the City's Americans with Disabilities Act Transition Plan. The goal 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 completed so far include dozens of intersection curb ramps and a new access ramp at the Cool Springs House. Work will continue until all infrastructure projects on the list have been completed. The City is the recipient of a TDOT CMAQ grants that includes funding for more than thirty curb ramps at various intersections. This work is reflected in the projected funding during FY's 2022 and 2023 and includes a 20% local match. Funding of \$180,000 was transferred in FY 2021 for anticipated FY 2022 work (\$80,000 for CMAQ match, and \$100,000 for non-CMAQ projects), but only \$10,000 is anticipated to be spent by 2022 fiscal year end. The balance of the work is shown in FY 2023 and 2024.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering								
Right of Way Acquisition								
Utility Relocation								
Construction	50	455	335	300	300	300	300	1,990
<b>TOTAL EXPENDITURES</b>	<b>50</b>	<b>455</b>	<b>335</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>1,990</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	50	170						170
General Fund			150	300	300	300	300	1,350
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources		285	185					470
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>50</b>	<b>455</b>	<b>335</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>1,990</b>

---

---

**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:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Bike and Pedestrian</b>	<b>Account #</b>	<b>311-43100-89700-1001 &amp; 312-43120-89602</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Public Works</b>
<b>DESCRIPTION</b>	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 bikeway segments included as part of new roadway projects. This project also provides for the periodic repaving of older bikeway sections in parks and along roadways.		
<b>STATUS</b>	FY 2022 funding included completion of the Raintree Parkway connector to the Witherspoon subdivision and \$50,000 for asphalt overlay of existing trail segments, and \$10,000 for engineering evaluation of pedestrian bridges. Funding in FY's 2023 and 2024 provide for completion of pedestrian crossing and sidewalk improvements in the Westpark and Brentwood Blvd. areas of Maryland Farms and for design and construction of a multiuse trail connection along Franklin Road between Murray Lane and Concord Road. Unfortunatley, grant applications for both of these projects have been unsuccessful. Recurring funding of \$550,000 is provided in FY 's 2025 - 2028 for system expansion and overlays. A portion of FY's 2023 and 2024 funding (\$500,000) is subject to a FY 2022 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.		

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Engineering	10	240	100	50	50	50	50	540
Right of Way Acquisition		50	200					250
Utility Relocation								
Construction	125	350	1,550	500	500	500	500	3,900
<b>TOTAL EXPENDITURES</b>	<b>135</b>	<b>640</b>	<b>1,850</b>	<b>550</b>	<b>550</b>	<b>550</b>	<b>550</b>	<b>4,690</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	75	225	135					360
General Fund		365	1,665	500	500	500	500	4,030
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	60	50	50	50	50	50	50	300
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>135</b>	<b>640</b>	<b>1,850</b>	<b>550</b>	<b>550</b>	<b>550</b>	<b>550</b>	<b>4,690</b>

---

---

**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):	<u>5</u>
---	----------

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Franklin Road - South</b>	<b>Account #</b>	<b>311-43100-89700-1016</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>

**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 includes 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 summer 2022. Costs associated with settlement of the remaining ROW condemnation cases will be reimbursed by TDOT. City funding in FY 2023 reflects continued costs for engineering services related to City oversight of final construction activities. Note that the state funds reflected for construction of this project are a direct state payment to the contractor, and not funds that pass through the City.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	60	15						15
Right of Way Acquisition		50						50
Utility Relocation								
Construction	5,000							-
<b>TOTAL EXPENDITURES</b>	<b>5,060</b>	<b>65</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>65</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	60	15						15
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources	5,000	50						50
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>5,060</b>	<b>65</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>65</b>

---

---

**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:**

<b>Personnel Services</b>	
<b>Operating Expenditures</b>	<b>10</b>
<b>Debt Service</b>	

(Expected ROW mowing, street sweeping, and trail maintenance expenses)

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>10</b>
--	-----------

**OFFSETTING REVENUE:**

---



<b>PROJECT</b>	<b>Johnson Chapel Road</b>	<b>Account #</b>	<b>311-43100-89700-1039</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>
<b>DESCRIPTION</b>	This project provides for studies, design, and construction of safety improvements along Johnson Chapel Road between Deerwood Lane and Murray Lane. Potential projects include intersection improvements, minor pavement widening to enhance vehicle safety, horizontal and vertical curve improvements, etc. along this narrow section of heavily traveled roadway.		
<b>STATUS</b>	Funding is programmed in FY 2023 for an initial planning level study. The goal of this study would be to define the scope of potential improvement projects, identify preliminary right of way challenges due to utilities, environmental features, etc. and initial cost estimates. Funding for actual design and construction of improvements would be programmed in subsequent years pending the results of the study and prioritization by the City Commission.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering		40						40
Right of Way Acquisition								
Utility Relocation								
Construction								
<b>TOTAL EXPENDITURES</b>	-	40	-	-	-	-	-	40
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		40						40
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								
<b>TOTAL FUNDS</b>	-	40	-	-	-	-	-	40

---

---

**JUSTIFICATION**

**Certain areas of Johnson Chapel Road present safety concerns due to shoulder widths and limited line-of-sight due to both horizontal and vertical curves. The lack of roadway shoulders presents a challenge to longer wheel base vehicles such as school buses when trying to remain inside travel lanes.**

---

---

**LOCATION MAP**

**PROGRAM AND FACILITY COSTS:**

**Personnel Services  
Operating Expenditures  
Debt Service**

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

---

---

**0**

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>McEwen Drive</b>	<b>Account #</b>	<b>311-43100-89700-1033</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>

**DESCRIPTION** This project provides for the City's payment to the City of Franklin for a proportionate share of design and construction of the extension of McEwen Drive in Franklin from Wilson Pike to the Taramore subdivision, pursuant to an interlocal agreement between the cities. Extension of the road through the Taramore subdivision will be undertaken by the City and funded in part via a developer contribution.

**STATUS** Engineering work commenced in FY 2021. Once design is complete, initial construction activity will likely focus on the area of the gas transmission lines which will need to be adjusted. The timing of this work is subject to approval by Columbia Gulf. Proposed funding sources at this time include \$3.2 million in the Capital Projects Fund that has been previously reserved for this project, an estimated \$6.0 million draw down from the undesignated General Fund reserve balance as needed over the term of the project, future fiscal year end-transfers of excess revenues in FY 2024 and 2025 totaling approximately \$1.2 million, and 630,000 in developer contributions.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	240	100	85					185
Right of Way		500						500
Utility Relocation		2,000						2,000
Construction				3,500	4,500			8,000
<b>TOTAL EXPENDITURES</b>	<b>240</b>	<b>2,600</b>	<b>85</b>	<b>3,500</b>	<b>4,500</b>	<b>-</b>	<b>-</b>	<b>10,685</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	240	2,600	85	175				2,860
General Fund				325	870			1,195
General Fund (Unreserved Balance)				3,000	3,000			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								
<b>TOTAL FUNDS</b>	<b>240</b>	<b>2,600</b>	<b>85</b>	<b>3,500</b>	<b>4,500</b>	<b>-</b>	<b>-</b>	<b>10,685</b>

---

---

**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 #	311-43100-89700-1053
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. The identified preferred improvement option is construction of a roundabout to eliminate the three-way stop.

**STATUS** Final design work is nearing completion, with right of way acquisition expected to begin by late this summer. Given the construction complexities of this project, including significant utility relocations and the potential need to close the intersection for periods of time during construction, scheduling is key. Construction bidding is tentatively planned for late CY 2022 with construction starting spring 2023 and extending through fall of 2023. A total of \$1.9 million has been allocated for the project which includes an additional \$650,000 from a proposed FY 2022 year-end transfer of General Fund excess revenue to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Engineering	65	120	50					170
Right of Way	30	100						100
Utility Relocation		200						200
Construction		520	780					1,300
<b>TOTAL EXPENDITURES</b>	<b>95</b>	<b>940</b>	<b>830</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,770</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	95	940	830					1,770
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>95</b>	<b>940</b>	<b>830</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,770</b>

---

---

**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 the proposed project would result in significant long-term improvement in traffic flow through this intersection.

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	2
Debt Service	

(roundabout landscaping maint.)

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>2</u>
---	----------

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Ragsdale Road</b>	<b>Account #</b>	<b>311-43100-89700-1050</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>
<b>DESCRIPTION</b>	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 on side and a 6-foot sidewalk on the other side if sufficient land is available.		
<b>STATUS</b>	The cost of this project is currently programmed at \$15 million, an increase from the prior CIP estimate due to increased projected ROW values and construction costs based on current inflationary pressures. Engineering design work is underway with ROW acquisition programmed in FY 2023 and construction beginning in FY 2024. Project completion is expected in FY 2026. Future funding is provided by a combination of annual \$2 million General Fund excess revenue being transferred to the Capital Projects Fund in fiscal years 2022 through 2025, a proposed \$5 million general obligation bond issue in FY 2023, and \$1 million from the Public Work Project Fund.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	320	220	230	500	200			1,150
Right of Way Acquisition		1,000	550					1,550
Utility Relocation								
Construction			3,000	6,500	2,500			12,000
<b>TOTAL EXPENDITURES</b>	<b>320</b>	<b>1,220</b>	<b>3,780</b>	<b>7,000</b>	<b>2,700</b>	<b>-</b>	<b>-</b>	<b>14,700</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	320			2,680				2,680
General Fund				4,000	2,020			6,020
General Fund (Unrestricted Balance)								
G O Bond Proceeds		1,220	3,780					5,000
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund				320	680			1,000
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>320</b>	<b>1,220</b>	<b>3,780</b>	<b>7,000</b>	<b>2,700</b>	<b>-</b>	<b>-</b>	<b>14,700</b>

---

---

**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	400
(Based on estimated \$80,000 per \$1M issued on 20-year bonds)	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>410</u>
---	------------

**OFFSETTING REVENUE:**

---



## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Split Log Road Phase 3 (East of Pleasant Hill Rd. to Waller)</b>	<b>Account #</b>	<b>311-43100-89700-1037</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Engineering</b>

<b>DESCRIPTION</b>	<b>This project provides for the realignment and widening of a 2.4 mile section of Split Log Road from east of Pleasant Hill Road to the intersection of Sunset Road and Waller Road. The improvements include a 3-lane curb and gutter cross-section with a 10-foot wide multi-use path on the south/east side and a 6-foot sidewalk on the north/west side.</b>
<b>STATUS</b>	<b>Initial work FY's 2022 and 2023 includes preliminary engineering and right-of-way design to identify the alignment and required land acquisition in this rapidly developing corridor. Pending completion of preliminary design and updated cost projections, funding reflected below is for construction of a first phase covering the northern portion of the corridor from the intersection with Sam Donald Road north to the Sunset/Waller intersection. The tentative schedule reflects ROW acquisition beginning in FY 2024, with final design in FY 2025 and construction beginning in FY 2026 and continuing into FY 2028. This schedule may need to be adjusted after preliminary engineering is completed and other development projects are considered in this area.</b>

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	300	470		450				920
Right of Way Acquisition			750	250				1,000
Utility Relocation								
Construction					4,000	8,000	4,000	16,000
<b>TOTAL EXPENDITURES</b>	<b>300</b>	<b>470</b>	<b>750</b>	<b>700</b>	<b>4,000</b>	<b>8,000</b>	<b>4,000</b>	<b>17,920</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	300	470						470
General Fund			750	700	2,000	3,000	4,000	10,450
General Fund (Unreserved Balance)								
G O Bond Proceeds						5,000		5,000
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund					2,000			2,000
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>300</b>	<b>470</b>	<b>750</b>	<b>700</b>	<b>4,000</b>	<b>8,000</b>	<b>4,000</b>	<b>17,920</b>

---

---

**JUSTIFICATION**

Split Log is an important arterial road that extends into unincorporated Williamson County within Brentwood's Urban Growth Boundary. The current alignment, with vertical and horizontal curves providing sight distance and maneuvering challenges for motorists, requires realignment and widening to accommodate growing traffic demands and increased interest in the development of land in this area. This project also provides the opportunity to extend the City's bicycle/pedestrian path from its current terminus near the Cromwell subdivision all the way to the Sunset/Waller intersection.

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	15
Operating Expenditures	400
Debt Service	

(Based on estimated \$80,000 per \$1M issued on 20-year bonds)

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>415</b>
--	------------

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	Street Lighting	<b>Account #</b>	311-43100-89700-1030
<b>PROGRAM</b>	Transportation	<b>RESPONSIBLE DEPARTMENT</b>	Public Works
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	Funding in FY 2022 provided for replacement of the seven remaining high mast lighting fixtures at the I-65/Moore's Lane interchange (\$45,000) and the initial study costs (\$50,000) associated with the potential citywide street light retrofit project. A conservative estimate of construction funding via G.O. Bond proceeds for this project is reflected in FY 2023, pending positive financial results of the study and final approval by the City Commission. In addition, future funding is allocated for small scale street light additions if and when they are identified.		

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Engineering	50							
Construction	45	4,000	20	20	20	20	20	4,100
<b>TOTAL EXPENDITURES</b>	<b>95</b>	<b>4,000</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>4,100</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	95							
General Fund			20	20	20	20	20	100
General Fund (Unreserved Balance)								
G O Bond Proceeds		4,000						4,000
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>95</b>	<b>4,000</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>4,100</b>

---

---

**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. Large-scale retrofit of existing street lights to LED fixtures has the potential to save money and energy while also providing better quality lighting and greatly reduced maintenance problems.**

---

---

**PROGRAM AND FACILITY COSTS:****PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	(320)
Debt Service	320
(Based on estimated \$80,000 per \$1M issued on 20-year bonds)	

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

---

---

**-****OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Street Resurfacing</b>	<b>Account #</b>	<b>110-43120-82640 121-43120-82640</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>

**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** The phased implementation of the gas tax increase included in the passage of the IMPROVE Act in 2017 ended in FY 2020. Therefore, future growth in this revenue source will be limited. The FY 2023 funding level is proposed at \$2.6 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 significant additional one-time or annual General Fund contributions.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Professional Services								
Construction	2,500	2,600	2,700	2,800	2,800	2,800	2,800	16,500
<b>TOTAL EXPENDITURES</b>	<b>2,500</b>	<b>2,600</b>	<b>2,700</b>	<b>2,800</b>	<b>2,800</b>	<b>2,800</b>	<b>2,800</b>	<b>16,500</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund	800	800	800	900	900	900	900	5,200
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund	1,700	1,800	1,900	1,900	1,900	1,900	1,900	11,300
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>2,500</b>	<b>2,600</b>	<b>2,700</b>	<b>2,800</b>	<b>2,800</b>	<b>2,800</b>	<b>2,800</b>	<b>16,500</b>

---

---

**JUSTIFICATION**

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

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	-10
Debt Service	

(annual resurfacing helps reduce routine  
maintenance expenses)

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>-10</b>
--	------------

**OFFSETTING REVENUE:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Sunset-Ragsdale Realignment</b>	<b>Account #</b>	<b>311-43100-89700-1027</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>
<b>DESCRIPTION</b>	This project provides for realignment of the dangerous intersection with Ragsdale Road which is the site of frequent vehicular accidents.		
<b>STATUS</b>	Construction on this project was complete in fall of 2018. FY 2022 funding is programmed to provide a reserve for settlement of one remaining right of way condemnation cases for this project.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering								
Right of Way Acquisition		200						200
Utility Relocation								
Construction								
<b>TOTAL EXPENDITURES</b>	-	200	-	-	-	-	-	200
<b>SOURCE OF FUNDS</b>								
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								
<b>TOTAL FUNDS</b>	-	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):	<u>3</u>
---	----------

**OFFSETTING REVENUE:**

---



## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	Sunset Road Phase 2 (Concord to Ragsdale)	<b>Account #</b>	311-43100-89700-1051
<b>PROGRAM</b>	Transportation	<b>RESPONSIBLE DEPARTMENT</b>	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 project completed in late calendar year 2020. Final funding is shown in FY 2023 as a reserve for settlement of one remaining right-of-way condemnation case.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering								
Right of Way Acquisition		100						100
Utility Relocation								
Construction								
<b>TOTAL EXPENDITURES</b>	-	100	-	-	-	-	-	100
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		100						100
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	-	100	-	-	-	-	-	100

---

---

**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 Road. With the 2018 completion of the Sunset Road/Ragsdale Road intersection realignment project, this section of Sunset Road was the second phase of an eventual three phase project to improve Sunset Road all the way to the eastern city limits.

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	3
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>3</u>
---	----------

**OFFSETTING REVENUE:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	Sunset Road Phase 3 (Ragsdale to Waller)	<b>Account #</b>	311-43100-89700-1054
<b>PROGRAM</b>	Transportation	<b>RESPONSIBLE DEPARTMENT</b>	Public Works

## DESCRIPTION

This project provides for the widening of Sunset Road from Ragsdale Road to the city limits at Waller Road. The improvements include a 3-lane curb and gutter cross-section with a 10-foot wide multi-use path on the south side and 6-foot sidewalk on the northside where feasible.

## STATUS

Initial engineering design work for this project is currently planned to begin in FY 2026, with right-of-way acquisition in FY 2027 and construction beginning in FY 2028 and extending through FY 2029 which is outside the planning horizon of this plan. Funding would be a combination of projected General Fund year-end excess revenue transfers (\$3,650,000) and Public Works Project Fees (\$1,500,000). The exact timing of this project could be adjusted in future CIP documents once the final scope and cost of other road projects (Ragsdale Road and Split Log Road) in this quadrant of the City are known.

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Engineering					350	200		550
Right of Way Acquisition						600		600
Utility Relocation								
Construction							4,000	4,000
<b>TOTAL EXPENDITURES</b>	-	-	-	-	350	800	4,000	5,150
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund					350	800	2,500	3,650
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund							1,500	1,500
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	-	-	-	-	350	800	4,000	5,150

---

---

**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 and the 2020 completion of the segment between Ragsdale and Concord Road, this section of Sunset Road from Ragsdale to Waller Road is the final portion of Sunset Road needing widening.

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	15
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>15</u>
---	-----------

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Traffic Signal Upgrades</b>	<b>Account #</b>	<b>311-43100-89700-1007</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	Planned improvements in FY 2023 include replacement of 38 older traffic controllers, new video detection system at Moore's Lane/Gordon Petty, traffic monitoring camera upgrades at various intersections, and pedestrian crossing system upgrades along Franklin Road at intersections not included in the CMAQ grant. Intergovernmental funding is reflected in FY's 2023 and 2024 associated with the TDOT CMAQ grant. This includes new signal timing plans for all major corridors, additional traffic signal video detection systems, and accessible pedestrian signal upgrades. Future funding is programmed on an annual basis subject to a yearly assessment of needs and priorities. FY 2023 local funding (\$180,000) is subject to a FY 2022 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	175	205	240					445
Equipment Upgrades	125	180	125	125	125	125	125	805
Extraordinary Repairs								
Construction		225	760					985
<b>TOTAL EXPENDITURES</b>	<b>300</b>	<b>610</b>	<b>1,125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>2,235</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	125	180						180
General Fund			125	125	125	125	125	625
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources	175	430	1,000					1,430
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>300</b>	<b>610</b>	<b>1,125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>2,235</b>

---

---

**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:**

<b>Personnel Services</b>	
<b>Operating Expenditures</b>	<b>10</b>
<b>Debt Service</b>	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b><u>10</u></b>
--	------------------

**OFFSETTING REVENUE:**

<b>PROJECT</b>	<b>Wilson Pike</b>	<b>Account #</b>	<b>311-43100-89700-1029</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>
<b>DESCRIPTION</b>	This project provides for studies, design, and minor improvements to Wilson Pike. Potential improvements include the construction of protected turn lanes at certain intersections with higher traffic counts and potential minor safety improvements at other substandard sections.		
<b>STATUS</b>	Funding is programmed in FY 2024 for an initial planning level study of various intersections and problem areas. The goal of this study would be to define the scope of potential improvement projects, identify preliminary right of way challenges due to utilities, historic sites, etc. and initial cost estimates. This study will need to meet TDOT standards since any eventual improvements initiated by the City would require TDOT approval. Funding for actual design and construction of improvements would be programmed in subsequent years pending the results of the study.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering and Design			175					175
Right of Way Acquisition								
Utility Relocation								
Construction								
<b>TOTAL EXPENDITURES</b>	-	-	175	-	-	-	-	175
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund			175					175
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								
<b>TOTAL FUNDS</b>	-	-	175	-	-	-	-	175

---

---

**JUSTIFICATION**

**Wilson Pike is an important north/south state road serving Brentwood, east of I-65. Certain sections north of Concord Road are substandard with narrow lane widths, no shoulders, severe vertical/horizontal curves, etc. Targeted improvements will help with the overall safety and growing traffic demand along this heavily traveled state highway. Comprehensive improvements to the Wilson Pike section north of Concord Road are subject to TDOT scheduling and funding.**

---

---

**PROGRAM AND FACILITY COSTS:**

<b>Personnel Services</b>	
<b>Operating Expenditures</b>	<b>0</b>
<b>Debt Service</b>	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>0</b>
--	----------

**(Wilson Pike is a state highway under the control of TDOT)**

**OFFSETTING REVENUE:**

---

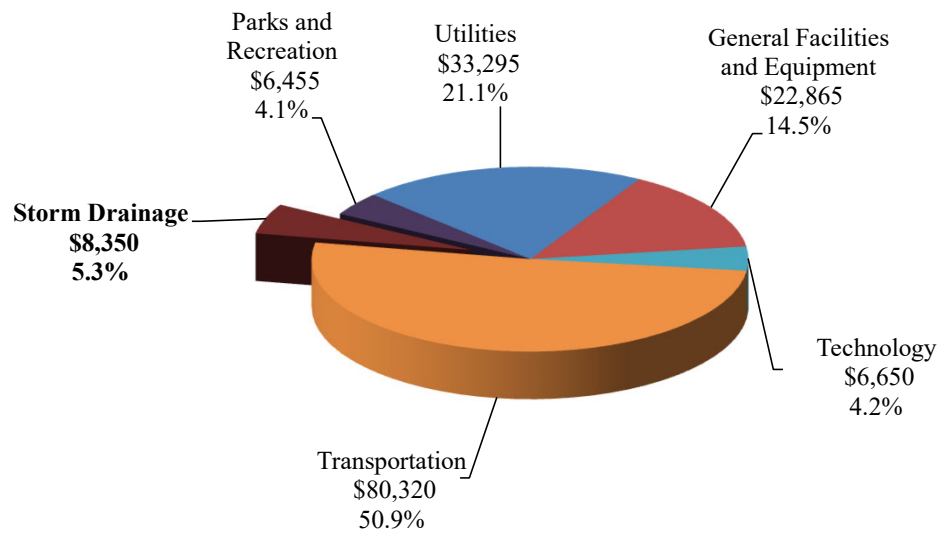




**STORM DRAINAGE**

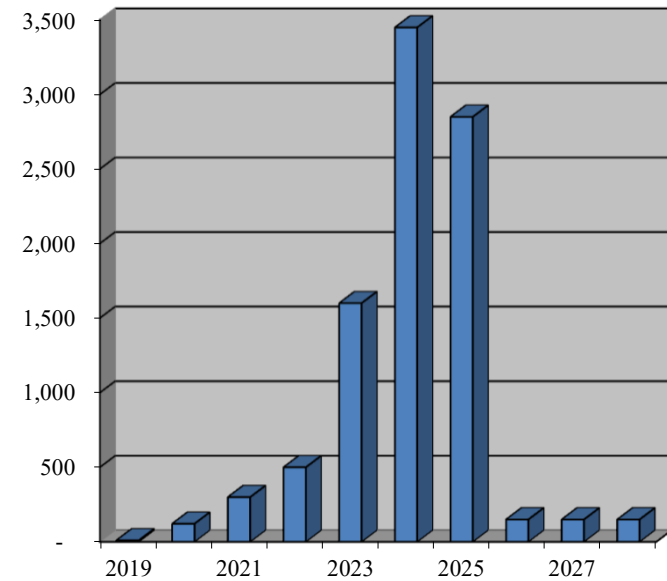
# STORM DRAINAGE

## FISCAL YEARS 2023-2028



Amounts in 000's

Storm Drainage Annual Expenditures



Amounts in 000's

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**Storm Drainage Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
Subdivision Drainage	400	1,600	3,450	2,850	150	150	150	8,350
Tara Drive	100	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>500</b>	<b>1,600</b>	<b>3,450</b>	<b>2,850</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>8,350</b>

**Source of Funds**

Capital Projects Fund	200	100	-	-	-	-	-	100
General Fund	50	50	150	150	150	150	150	800
G O Bond Proceeds	-	-	-	-	-	-	-	-
Inter-Governmental Sources	250	1,450	3,300	2,700	-	-	-	7,450
<b>Grand Total</b>	<b>500</b>	<b>1,600</b>	<b>3,450</b>	<b>2,850</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>8,350</b>

<b>PROJECT</b>	<b>Subdivision Drainage</b>	<b>Account #</b>	<b>110-43150-89440; 311-43150-89700-2016</b>
<b>PROGRAM</b>	<b>Storm Drainage</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>
<b>DESCRIPTION</b>	This project provides annual funding to correct storm drainage problems as identified by complaints and field inspection throughout the year. This includes studies necessary to identify and provide a scope of work for watershed improvement projects.		
<b>STATUS</b>	Annual funding (\$150,000) is programmed for small projects and rehabilitation/replacement of aging storm infrastructure. \$100,000 of this amount is contingent upon annual General Fund excess revenues being transferred to the Capital Projects Fund. Additionally, funding from the American Rescue Plan (ARP) (\$7.7 million) is reflected here to include completion of the first phases of a city-wide drainage sub-basin master plan (\$660,000) later in CY 2022. The study is expected to identify needed capital improvements that will be detailed more specifically over the next few years in subsequent CIP documents, some or all of which may also be funded with ARP monies.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering Services	250	700	300	200				1,200
Construction	150	900	3,150	2,650	150	150	150	7,150
<b>TOTAL EXPENDITURES</b>	<b>400</b>	<b>1,600</b>	<b>3,450</b>	<b>2,850</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>8,350</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	100	100						100
General Fund	50	50	150	150	150	150	150	800
G O Bond Proceeds								
Intergovernmental Sources	250	1,450	3,300	2,700				7,450
<b>TOTAL FUNDS</b>	<b>400</b>	<b>1,600</b>	<b>3,450</b>	<b>2,850</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>8,350</b>

---

---

**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. Recent increased storm intensity has identified the need to conduct a more comprehensive study of existing drainage infrastructure across a much broader area of the city. Initial study efforts will primarily focus on watersheds in the older neighborhoods that were developed before more stringent stormwater development standards were adopted by the City.

---

---

**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:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Tara Drive</b>	<b>Account #</b>	<b>311-43150-89700-2017</b>
<b>PROGRAM</b>	<b>Storm Drainage</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>
<b>DESCRIPTION</b>	This project repaired a 240' section of 60" and 72" corrugated metal storm pipe at 1308 Tara Drive that failed and caused a sinkhole in September 2020. The repair was done by a pipe lining contractor who installed a stainless steel wire mesh covered in gunite concrete. This method created a new pipe within the old failed pipe, and should last 50 or more years.		
<b>STATUS</b>	This work was completed in Fall 2021.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering Services								
Construction	100							
<b>TOTAL EXPENDITURES</b>	<b>100</b>	-	-	-	-	-	-	-
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	100							
General Fund								
G O Bond Proceeds								
<b>TOTAL FUNDS</b>	<b>100</b>	-	-	-	-	-	-	-

---

---

**JUSTIFICATION**

**Repair of this failed drainage pipe is necessary to avoid erosion and further damage to this residential property.**

---

---

**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:**

---

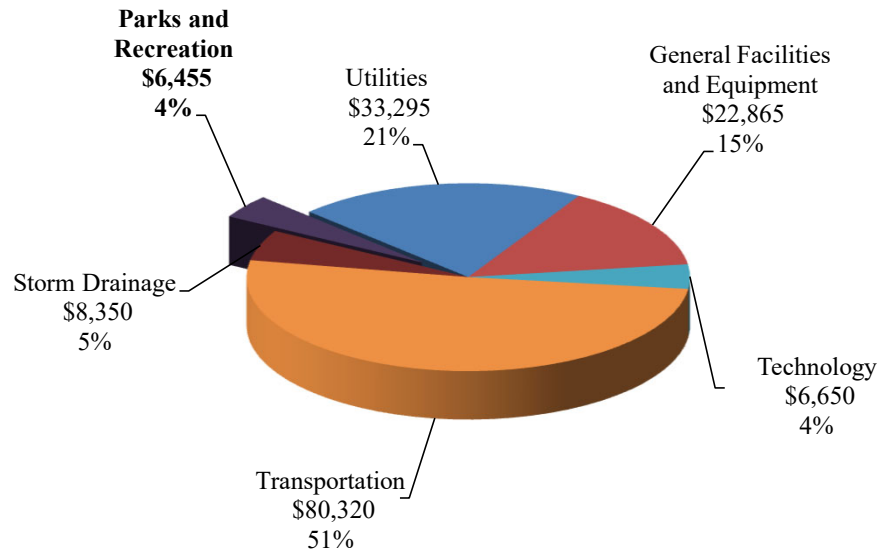




**PARKS and RECREATION**

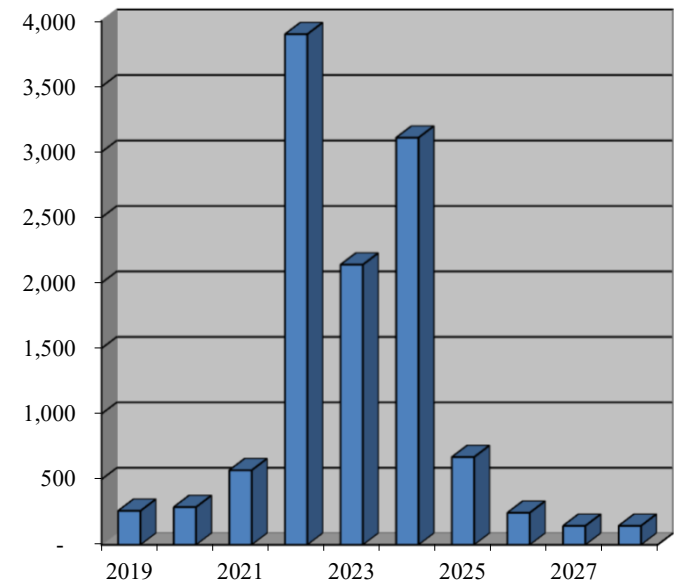
# PARKS AND RECREATION

FISCAL YEARS 2023-2028



Amounts in 000's

Parks & Recreation Annual Expenditures



Amounts in 000's

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2023 - 2028**  
**Parks and Recreation Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
Crockett Park	1,795	955	1,075	525	75	75	75	2,780
Deerwood Arboretum	-	10	50	75	-	-	-	135
Flagpole and Wikle	30	-	15	-	-	-	-	15
Granny White Park	1,795	105	50	50	50	50	50	355
Marcella Vivrette Smith Park	65	145	60	20	120	20	20	385
Margaret Powell Park	10	-	-	-	-	-	-	-
Owl Creek Park	80	35	60	-	-	-	-	95
Patriot Park	-	50	-	-	-	-	-	50
River Park	-	40	-	-	-	-	-	40
Tower Park	25	20	-	-	-	-	-	20
Windy Hill Park	100	780	1,800	-	-	-	-	2,580
<b>Grand Total</b>	<b>3,900</b>	<b>2,140</b>	<b>3,110</b>	<b>670</b>	<b>245</b>	<b>145</b>	<b>145</b>	<b>6,455</b>

**Source of Funds**

Capital Projects Fund	1,900	1,600	1,800	-	-	-	-	3,400
General Fund	-	-	1,000	525	100	-	-	1,625
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Facilities Maintenance Division	475	540	310	145	145	145	145	1,430
Private Sources	1,525	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>3,900</b>	<b>2,140</b>	<b>3,110</b>	<b>670</b>	<b>245</b>	<b>145</b>	<b>145</b>	<b>6,455</b>

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Crockett Park</b>	<b>Account #</b>	<b>311-44400-89700-3001</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>
<b>DESCRIPTION</b>	This project provides for periodic improvements to the 164 acre park that includes various athletic facilities, a playground, paved trails, outdoor amphitheater, picnic shelters, the Cool Springs House and other historic structures, a disc golf course, and the County soccer arena.		
<b>STATUS</b>	FY 2022 projects included replacing amphitheater doors and bleachers, sinkhole repair, and turf fields. FY 2023 includes lighting the Woodland fields (\$375,000), control link lighting control at baseball fields (\$50,000), parking lot resurfacing (\$75,000), fence repairs (\$20,000), tennis court repairs (\$10,000), and repairs from the turf project (\$50,000). Carry-forwards from FY 2022 include a sign update (\$10,000), Four Plex 2 sewer repairs (\$20,000), amphitheater settling (\$30,000), and painting Four Plex 2 roof (\$15,000). Placeholder funds provide for rebuilding the Brentvale log cabin (\$300,000) in FY 2023 and an inclusive playground (\$800,000) in FY 2024. Community playground replacement (\$200,000) is programmed in FY 2024, and amphitheater roof replacement is shown in FY 2025 (\$450,000). FY 2023 funding for the Woodland lights, light controls, and Brentvale require a \$725,000 transfer from the General Fund to the Capital Projects Fund.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Fields, Courts etc.	5							
Buildings, Facilities, etc.	1,050	955	1,075	525	75	75	75	2,780
Furniture/Equipment	740							
Landscaping/Trees								
Utilities								
<b>TOTAL EXPENDITURES</b>	<b>1,795</b>	<b>955</b>	<b>1,075</b>	<b>525</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>2,780</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	880	725						725
General Fund			1,000	450				1,450
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	165	230	75	75	75	75	75	605
Private Sources	750							
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>1,795</b>	<b>955</b>	<b>1,075</b>	<b>525</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>2,780</b>

---

---

**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:**

<b>Personnel Services</b>	
<b>Operating Expenditures</b>	<b>5</b>
<b>Debt Service</b>	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>5</b>
(Operating budget impact of artificial turf fields would need to be further assessed at the time a project is considered)	

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Deerwood Arboretum</b>	<b>Account #</b>	<b>311-44400-89700-3008</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>

**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 for building maintenance in FY 2023 (\$10,000). Bridge decking replacement is tentatively scheduled for FY 2024 (\$50,000). Placeholder funding is provided in FY 2025 for the possible addition of parking spaces along the entrance road (\$75,000) if deemed needed and feasible.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering				15				15
Fields, Courts etc.								
Buildings, Facilities, etc.		10	50	60				120
Furniture/Equipment								
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>	-	10	50	75	-	-	-	135
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund				75				75
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		10	50					60
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	-	10	50	75	-	-	-	135

---

---

**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):	<u><u>1</u></u>
---	-----------------

**OFFSETTING REVENUE:**

---



<b>PROJECT</b>	<b>Flagpole and Wikle</b>	<b>Account #</b>	<b>311-44400-89700-3013</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>
<b>DESCRIPTION</b>	Wikle and Flagpole parks were developed in 2016. Flagpole Park, the southern tract with vehicle access through the Mallory Park commercial development, is used for active recreation purposes including 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.		
<b>STATUS</b>	FY 2022 included installation of a small shade pavilion structure within the playground area. The only additional project planned at Wikle and Flagpole is painting of the building roofs, which is shown in FY 2024 (\$15,000).		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering								
Buildings, Facilities, etc.	30		15					15
Off-Site Improvements								
Equipment								
<b>TOTAL EXPENDITURES</b>	<b>30</b>	<b>-</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	30							
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division			15					15
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>30</b>	<b>-</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15</b>

---

---

**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:

---

<b>PROJECT</b>	<b>Granny White Park</b>	<b>Account #</b>	<b>311-44400-89700-3003 312-44400-89604</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	FY 2022 funded the Inclusive playground construction, relocation of the existing playground to Crockett Park, resurfacing of the parking lot and basketball court, and replacement fencing. FY 2023 projects include funding for painting of the building roofs (\$40,000), concrete repairs around baseball complex (\$50,000), athletic fence repair (\$5,000), and entrance sign update (\$10,000). Placeholder funding of \$50,000 is shown in the future years for miscellaneous repair/replacement items.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Fields, Courts etc.	5							
Buildings, Facilities, etc.	1,050	105	50	50	50	50	50	355
Furniture/Equipment	740							
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>	<b>1,795</b>	<b>105</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>355</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	880							
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	165	105	50	50	50	50	50	355
Private Sources	750							
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>1,795</b>	<b>105</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>355</b>

---

---

**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. The renovation of the playground as an inclusive playground will enhance the park for use by all residents. Ballfields at this park will require extensive rebuild just outside the planning horizon (fences, dugouts, etc.).

---

---

**LOCATION MAP****PROGRAM AND FACILITY COSTS:****Personnel Services****Operating Expenditures****Debt Service**

(Inclusive playground surfacing will require future replacement funding)

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

---

---

**-****OFFSETTING REVENUE:**

<b>PROJECT</b>	<b>Marcella Vivrette Smith Park</b>	<b>Account #</b>	<b>311-44400-89700-3015</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	FY 2022 included adding heaters to the barn restroom and concrete work to the outside of the barn interior and rebuilding of a basement at Ravenswood Mansion that had been compromised prior to the City acquiring the property. FY 2023 includes the replacement of the entrance gate (\$50,000) and potential funding (\$50,000) as part of a public/private partnership effort to construct a mountain bike trail network. Master planning for Phase 3 on the back 80 acres (\$100,000) is in FY 2026. Design and construction of Phase 3 improvements do not occur within the CIP planning horizon. Funding provided from the Facilities Maintenance Fund for repairs at Ravenswood Mansion are anticipated to be provided by prior year transfers of excess revenues from venue rentals.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Planning/Engineering					100			100
Park Land Acquisition								
Construction/Development		50						50
Historic Structure Repair/Reno.	45	45	45	20	20	20	20	170
Facilities Maintenance	20	50	15					65
<b>TOTAL EXPENDITURES</b>	<b>65</b>	<b>145</b>	<b>60</b>	<b>20</b>	<b>120</b>	<b>20</b>	<b>20</b>	<b>385</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	10	50						50
General Fund					100			100
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	55	95	60	20	20	20	20	235
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>65</b>	<b>145</b>	<b>60</b>	<b>20</b>	<b>120</b>	<b>20</b>	<b>20</b>	<b>385</b>

---

---

**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. The entrance gate replacement is expected to save the ongoing repair costs the city has been experiencing.**

---

---

**PROGRAM AND FACILITY COSTS:**

<b>Personnel Services</b>	
<b>Operating Expenditures</b>	<b>-2</b>
<b>Debt Service</b>	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>-2</b>
--	-----------

**OFFSETTING REVENUE:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

## PROJECT

Margaret Powell Park

## Account #

311-44400-89700-3016

## PROGRAM

Parks and Recreation

## RESPONSIBLE DEPARTMENT

Parks and Recreation

## DESCRIPTION

This 24 acre park was dedicated to the City as part of the approval for the Virginia Springs office development. It was completed and opened to the public in early 2013. In accordance with the special restrictions adopted as part of the rezoning for the office development, this park is a passive park with multi-use trails, benches, tree preservation areas, additional landscaping and tree plantings, open meadow areas and water features.

## STATUS

FY 2022 included funding for replacement of the pond aeration unit. No additional improvements or major maintenance items are programmed for the remainder of the six-year program.

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Engineering								
Buildings, Facilities, etc.	10							
<b>TOTAL EXPENDITURES</b>	<b>10</b>	-	-	-	-	-	-	-
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	10							
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>10</b>	-	-	-	-	-	-	-

---

---

**JUSTIFICATION**

Development of a park in this area of the City permanently preserves 24 acres of land as open space and provides a convenient passive park for nearby residents and office park employees to use. Pond aeration is used to prevent stagnation, improve water quality, and provide visual interest.

---

---

**LOCATION MAP****PROGRAM AND FACILITY COSTS:**

Personnel Services  
Operating Expenditures  
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S): 0

**OFFSETTING REVENUE:**

---



<b>PROJECT</b>	<b>Owl Creek Park</b>	<b>Account #</b>	<b>311-44400-89700-3006</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>

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

**STATUS**                                FY 2022 included funding for total replacement of playground mulch, and repairs to the footbridge identified by a FY 2021 bridge inspection. FY 2023 funding is for the installation of a sun shade (\$35,000) similar to what was done at Wikle Park. Resurfacing of the parking lot (\$60,000) is funded in FY 2024. Future years will be programmed as needed to ensure the facilities are maintained to high standards. Funding for the sunshade is subject to a 2022 FYE General Fund transfer of \$35,000 from excess revenues to the Capital Projects Fund.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Planning/Engineering								
Buildings, Facilities, etc.	80	35	60					95
Furniture/Equipment								
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>	<b>80</b>	<b>35</b>	<b>60</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>95</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		35						35
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	80		60					60
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>80</b>	<b>35</b>	<b>60</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>95</b>

---

---

**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:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Patriot Park</b>	<b>Account #</b>	<b>311-44400-89700-3019</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>

**DESCRIPTION**                      Acquired by the city in 2010, this 1.1 acre tract is home to two historic cemeteries. The Andrew Crockett family cemetery contains the grave of Revolutionary War soldier Andrew Crockett. The Jabez Owen family cemetery contains the grave of Jabez Owen who purchased the Historic home Forge Seat where he lived until his death in 1850.

**STATUS**                              FY 2023 includes funding for repairs to historic stone walls at each cemetery. No additional improvements or major maintenance items are currently programmed for the remainder of the six-year program.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Acquisition								
Planning/Engineering								
Buildings, Facilities, etc.		50						50
Furniture/Equipment								
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>		50						50
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		50						50
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	-	50	-	-	-	-	-	50

---

---

**JUSTIFICATION**

This city-owned park is historically significant with two cemeteries and a historic stone wall. Periodic maintenance of the stone walls is necessary.

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services  
Operating Expenditures  
Debt Service

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

---

**OFFSETTING REVENUE:**

<b>PROJECT</b>	<b>River Park</b>	<b>Account #</b>	<b>311-44400-89700-3002</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	FY 2023 funding provides for milling/repaving the basketball court (\$30,000) and adding exercise stations on the bikeway connector (\$10,000) outside of the floodway. Future projects will be programmed as needed to enhance the aesthetics of this small, but popular park. The exercise stations will be funded by accumulated fund balance in the Capital Projects Fund.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Buildings, Facilities, etc.								
Furniture/Equipment		40						40
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>	-	40	-	-	-	-	-	40
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		10						10
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		30						30
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	-	40	-	-	-	-	-	40

---

---

**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:**

---

<b>PROJECT</b>	<b>Tower Park</b>	<b>Account #</b>	<b>311-44400-89700-3004</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>

**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** FY 2022 included 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. FY 2023 includes funding for replacement soccer goals.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Fields, Courts etc.								
Buildings, Facilities, etc.	25							
Furniture/Equipment		20						20
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>	<b>25</b>	<b>20</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		20						20
Private Sources	25							
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>25</b>	<b>20</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20</b>

---

**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  
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S): 0

**OFFSETTING REVENUE:**

---



<b>PROJECT</b>	<b>Windy Hill Park</b>	<b>Account #</b>	<b>311-44400-89700-3018</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>

**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** FY 2022 funding provided for planting of a boundary landscape and initial master planning work to begin spring of 2022. The current schedule has master planning complete by summer of 2022 with construction design work occurring fall of 2022 and construction beginning spring of 2023 with completion by spring of 2024. Estimated development costs have been increased to \$2.7 million due to market conditions and the uncertainty of what will be included in the final master plan. Proposed funding includes \$1.5 million in Adequate Facilities Tax revenues and \$1.15 million in General Fund excess revenues projected over the next two FY's, including \$250,000 in a FY 2022 year-end transfer.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Acquisition								
Planning/Engineering	70	180						180
Buildings, Facilities, etc.		600	1,800					2,400
Furniture/Equipment								
Landscaping/Trees	30							
<b>TOTAL EXPENDITURES</b>	<b>100</b>	<b>780</b>	<b>1,800</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,580</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	100	780	1,800					2,580
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>100</b>	<b>780</b>	<b>1,800</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,580</b>

---

---

**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	50
Debt Service	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<u>50</u>
--	-----------

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

**OFFSETTING REVENUE:**

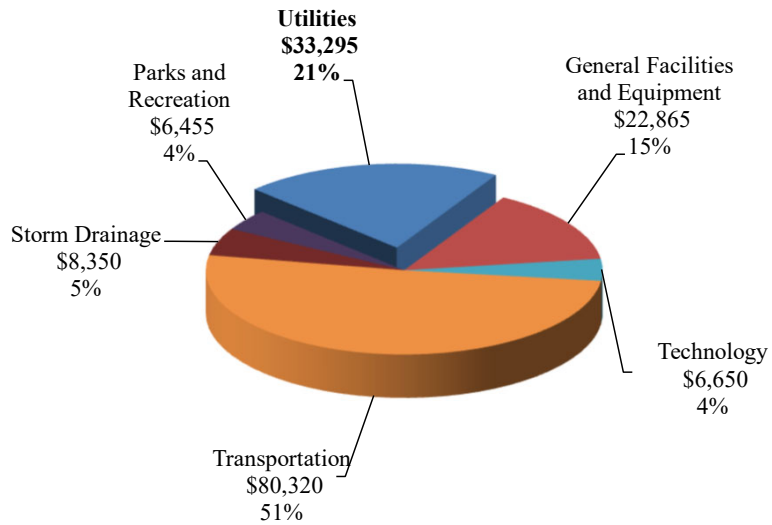
---



## UTILITIES

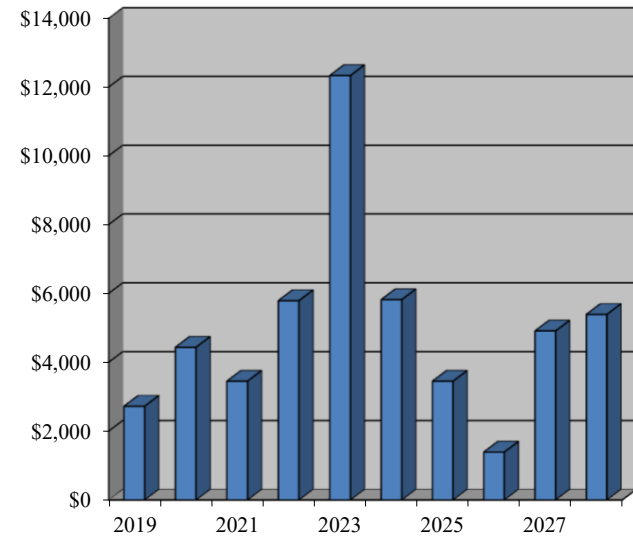
# UTILITIES

## FISCAL YEARS 2023-2028



Amounts in 000's

Utilities Annual Capital Expenditures



Amounts in 000's

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Year 2023 - 2028**  
**Water and Sewer Program - Summary**  
**(000's)**

<b>Projects</b>	<b>Projected 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Total 6 Years 2023-2028</b>
Miscellaneous Sewer Service Additions	35	500	45	45	45	45	45	725
Miscellaneous Sewer System Improvements	10	115	110	110	110	110	110	665
Miscellaneous Water System Improvements	5	175	110	110	110	110	110	725
Sewer Rehabilitation Program	215	990	625	1,125	575	575	575	4,465
Sewer System Capacity Improvements	5,325	5,860	-	-	100	1,000	1,500	8,460
Sewer Lift Station Rehabilitation	80	1,380	-	-	-	-	-	1,380
Water Line Replacement Program	80	2,500	2,500	1,000	100	1,200	2,875	10,175
Water System Capacity Improvements	10	400	2,295	1,060	350	1,870	175	6,150
Water Tank Improvements	30	415	135	-	-	-	-	550
<b>Grand Total</b>	<b>5,790</b>	<b>12,335</b>	<b>5,820</b>	<b>3,450</b>	<b>1,390</b>	<b>4,910</b>	<b>5,390</b>	<b>33,295</b>

**Source of Funds**

Water and Sewer Fund	390	5,160	3,345	2,345	995	2,995	5,170	20,010
Water Tap Fees and NCGUD Tap Fees	40	815	2,430	1,060	350	1,870	175	6,700
Sewer Tap Fees	360	1,315	40	40	40	40	40	1,515
Private Sources	-	45	5	5	5	5	5	70
Inter-Governmental Sources	-	5,000	-	-	-	-	-	5,000
Water and Sewer Bond/Note Proceeds	5,000	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>5,790</b>	<b>12,335</b>	<b>5,820</b>	<b>3,450</b>	<b>1,390</b>	<b>4,910</b>	<b>5,390</b>	<b>33,295</b>

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.

**STATUS** The next planned significant project is the Franklin Road South corridor from Holly Tree Gap to near Willowick Drive. Per City Code, majority participation support from area homeowners has been received. Design was initiated in FY 2022. Construction will begin near the end of the TDOT road widening work. Future funding is programmed should additional opportunities and/or resident interest be identified.

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Engineering	35	20	5	5	5	5	5	45
Construction		450	40	40	40	40	40	650
Property/Easement Acquisition		30						30
<b>TOTAL EXPENDITURES</b>	<b>35</b>	<b>500</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>725</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund								
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees	35	455	40	40	40	40	40	655
Private Sources		45	5	5	5	5	5	70
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
<b>TOTAL FUNDS</b>	<b>35</b>	<b>500</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>725</b>

**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:**

<b>Personnel Services</b>	
<b>Operating Expenditures</b>	<b>5</b>
<b>Debt Service</b>	
<small>(Based on estimated \$80,000 per \$1M issued on 20-year bonds)</small>	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>5</b>
--	----------

<b>OFFSETTING REVENUE:</b>	<b>50</b>
----------------------------	-----------

(Each home will pay a \$4,000 tap fee)



<b>PROJECT</b>	Miscellaneous Sewer System Improvements	<b>Account #</b>	412-16700-8039
<b>PROGRAM</b>	Utilities	<b>RESPONSIBLE DEPARTMENT</b>	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** FY 2022 funding provides for the investigation of a problematic sewer line serving the Willowick Subdivision. The problematic section of sewer line causes backups and requires a high level of maintenance. Based on the final results of the investigation and estimated repair cost, work will be initiated in 2023.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	10	15	10	10	10	10	10	65
Construction		100	100	100	100	100	100	600
Property/Easement Acquisition								
<b>TOTAL EXPENDITURES</b>	<b>10</b>	<b>115</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>665</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund	10	115	110	110	110	110	110	665
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
<b>TOTAL FUNDS</b>	<b>10</b>	<b>115</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>665</b>

---

---

**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	
(Based on estimated \$80,000 per \$1M issued on 20-year bonds)	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<u>0</u>
--	----------

**OFFSETTING REVENUE:**

<b>PROJECT</b>	Miscellaneous Water System Improvements	<b>Account #</b>	412-16700-8040
<b>PROGRAM</b>	Utilities	<b>RESPONSIBLE DEPARTMENT</b>	Water Services

**DESCRIPTION** This project provides annual funding for on-going water system improvements on an as needed basis. Examples include small line extensions or upsizing to enhance Fire Flow in the area, 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** FY 2022 includes start of survey and design work for extending fiber and power to the Split Log Road water tank site and fiber connection to the Split Log Rd. water pumping station. Funding is provided in future years for extending fiber and power to additional water tank and pumping station sites that are located within reason to the City's fiber network. Fiber connections provide enhanced communications and increased cybersecurity. Additionally in FY 2023, funding is included to provide water system improvements at Boone Trail Circle and Ellendale near Plymouth Drive. Boone Trail Cir. customers are served by an aging 4-inch water line that needs to be replaced and upsized to provide enhanced fire protection and domestic service. The line at Ellendale at Plymouth Dr. has required multiple repairs and a high level of maintenance and needs replacing. Both these projects are relatively small in scope and cost, but provide enhanced customer service and fire fighting capability.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	5	30	10	10	10	10	10	80
Construction		145	100	100	100	100	100	645
Property/Easement Acquisition								
<b>TOTAL EXPENDITURES</b>	<b>5</b>	<b>175</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>725</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund	5	175	110	110	110	110	110	725
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
<b>TOTAL FUNDS</b>	<b>5</b>	<b>175</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>725</b>

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	5
Debt Service	
(Based on estimated \$80,000 per \$1M issued on 20-year bonds)	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>5</u>
---	----------

OFFSETTING REVENUE:

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

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

**DESCRIPTION** This comprehensive, multi-year project initiated in 2006, targets flow monitoring, inspection, rehabilitation and repair of the City's aging sewer infrastructure system and is aimed at reducing overflows in the system during wet weather events.

**STATUS** In FY 2022, the Department completed over 60,000 feet of system smoke testing. In addition, the department's engineering consultant has completed evaluation of ongoing CCTV and flow monitoring data to identify multiple rehabilitation construction projects to be completed through FY 2024. Funding in future years and projects selected will be based on recommendations from BARGE engineers annual flow monitoring analysis.

PROJECT BUDGET (000'S)	Projected FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Proposed FY 2028	Total FY 2023-2028
<b>EXPENDITURE ALLOCATION</b>								
Engineering/Inspection	165	190	125	125	75	75	75	665
Construction	50	800	500	1,000	500	500	500	3,800
Land Acquisition								
<b>TOTAL EXPENDITURES</b>	<b>215</b>	<b>990</b>	<b>625</b>	<b>1,125</b>	<b>575</b>	<b>575</b>	<b>575</b>	<b>4,465</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund	215	990	625	1,125	575	575	575	4,465
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
<b>TOTAL FUNDS</b>	<b>215</b>	<b>990</b>	<b>625</b>	<b>1,125</b>	<b>575</b>	<b>575</b>	<b>575</b>	<b>4,465</b>

**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	-
(Based on estimated \$80,000 per \$1M issued on 20-year bonds)	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>-</b>
--	----------

**OFFSETTING REVENUE:**

<b>PROJECT</b>	<b>Sewer System Capacity Improvements</b>	<b>Account #</b>	<b>412-16700-8056</b>
<b>PROGRAM</b>	<b>Utilities</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Water Services</b>

**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. Construction of this storage facility and related infrastructure is underway at a contract amount of \$9.26m. This project will be funded with a recently completed bond issue and \$5 million in ARP funds. Funds are programmed in future years for continued implementation of recommended projects in the master plan, which includes initiation of the second recommended storage facility scheduled to break ground in calendar year 2028.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	525	600			100	750	1,500	2,950
Construction	4,000	5,260						5,260
Property/Easement Acquisition	800	-				250	-	250
<b>TOTAL EXPENDITURES</b>	<b>5,325</b>	<b>5,860</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>1,000</b>	<b>1,500</b>	<b>8,460</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund					100	1,000	1,500	2,600
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees	325	860						860
Private Sources								
Inter-Governmental Sources	-	5,000						5,000
Water & Sewer Bond/Note Proceeds	5,000							
<b>TOTAL FUNDS</b>	<b>5,325</b>	<b>5,860</b>	<b>-</b>	<b>-</b>	<b>100</b>	<b>1,000</b>	<b>1,500</b>	<b>8,460</b>

---

---

**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	-
(Based on estimated \$80,000 per \$1M issued on 20-year bonds)	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<u><u>50</u></u>
--	------------------

**OFFSETTING REVENUE:**



<b>PROJECT</b>	<b>Sewer Lift Station Rehabilitation</b>	<b>Account #</b>	<b>412-16700-8027</b>
<b>PROGRAM</b>	<b>Utilities</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Water &amp; Sewer</b>

**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 to the system in the last five years that will not need rehabilitation for some time.

**STATUS** FY 2022 funding includes survey and design engineering on the Arden Woods and Scales School sewer lift stations project. Per previous Commission direction, work has begun to abandon the Arden Woods sewer pump station and extend a gravity sewer line from that location to the Scales School sewer pump station. The Scales School station will then be upsized per the Sewer System Master Plan recommendation to accommodate future basin growth and the Arden Woods contribution. This project is estimated to cost approximately \$1.35 million with construction anticipated to begin in the summer of 2022.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	80	25						25
Construction		1,350						1,350
Property/Easement Acquisition		5						5
<b>TOTAL EXPENDITURES</b>	<b>80</b>	<b>1,380</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,380</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund	80	1,380						1,380
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
<b>TOTAL FUNDS</b>	<b>80</b>	<b>1,380</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,380</b>

---

---

**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:**  
**(Improvements & new technology should reduce operating costs)**

<b>Personnel Services</b>	
<b>Operating Expenditures</b>	<b>(15)</b>
<b>Debt Service</b>	<b>-</b>
<small>(Based on estimated \$80,000 per \$1M issued on 20-year bonds)</small>	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<hr/> <hr/> <b>(15)</b>
--	-------------------------

**OFFSETTING REVENUE:**

<b>PROJECT</b>	<b>Water System Annual Pipe Replacement Program</b>	<b>Account #</b>	<b>412-16700-8053</b>
<b>PROGRAM</b>	<b>Utilities</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Water Services</b>
<b>DESCRIPTION</b>	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, improve the level of system operation and avoid large pipe replacement capital costs in the future. Projects will be prioritized based on several factors such as line age and historical performance.		
<b>STATUS</b>	FY 2022 funding includes continued engineering associated with the Carondelet neighborhood area water line replacement project. The Carondelet project construction is anticipated to begin in the summer of 2022 and consists of replacing approximately 20,000 feet of pipe over a 2-1/2 year period and provide for new water service to roughly 200 customer's homes. It will be the largest pipe replacement project to-date. Funding in future years will target projects identified in the asset management program.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	45	100	100	50	100	150	375	875
Construction		2,400	2,400	950		1,000	2,500	9,250
Property/Easement Acquisition	35					50		50
<b>TOTAL EXPENDITURES</b>	<b>80</b>	<b>2,500</b>	<b>2,500</b>	<b>1,000</b>	<b>100</b>	<b>1,200</b>	<b>2,875</b>	<b>10,175</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund	80	2,500	2,500	1,000	100	1,200	2,875	10,175
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
<b>TOTAL FUNDS</b>	<b>80</b>	<b>2,500</b>	<b>2,500</b>	<b>1,000</b>	<b>100</b>	<b>1,200</b>	<b>2,875</b>	<b>10,175</b>

---

---

**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:**  
(reduced costs related to maintenance and repair of old lines)

Personnel Services	
Operating Expenditures	(10)
Debt Service	-
(Based on estimated \$80,000 per \$1M issued on 20-year bonds)	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<hr/> <hr/> <b>(10)</b>
--	-------------------------

**OFFSETTING REVENUE:**

<b>PROJECT</b>	<b>Water System Capacity Improvements</b>	<b>Account #</b>	<b>412-16700-8036</b>
<b>PROGRAM</b>	<b>Utilities</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Water Services</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	Funding in FY 2022 was provided to begin survey and design work to install a 12 inch water line along Ragsdale Road, from the light at Split Log northward to near Glenn Ellen subdivision. This water line project was identified in the Department's Water System Master Plan many years ago and has been planned to coincide with the upcoming Ragsdale Road widening project in FY 2023 and 2024. Funding in FY 2024 and 2025 is proposed for upsizing approximately 3,200 feet of 12 inch water line to a 16 inch water line along Wilson Pike between Twin Springs Dr. and Crockett Road. Funding in FY's 2026 and 2027 includes upsizing a section of water line along Franklin Road, north of Concord Road to Murray Lane. Future timing and planning for this project will be coordinated with the City's bike path/walking trail project.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	10	150	170	60	150	120	175	825
Construction		250	2,100	1,000		1,750		5,100
Property/Easement Acquisition			25		200			225
<b>TOTAL EXPENDITURES</b>	<b>10</b>	<b>400</b>	<b>2,295</b>	<b>1,060</b>	<b>350</b>	<b>1,870</b>	<b>175</b>	<b>6,150</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund								
Water Tap Fees and NCG Tap Fees	10	400	2,295	1,060	350	1,870	175	6,150
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
<b>TOTAL FUNDS</b>	<b>10</b>	<b>400</b>	<b>2,295</b>	<b>1,060</b>	<b>350</b>	<b>1,870</b>	<b>175</b>	<b>6,150</b>

---

---

**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):	<u><u>0</u></u>
---	-----------------

**OFFSETTING REVENUE:**

(Increase water sales from available water during the summer)

<b>PROJECT</b>	<b>Water Tank Improvements</b>	<b>Account #</b>	<b>412-16700-8058</b>
<b>PROGRAM</b>	<b>Utilities</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Water Services</b>

**DESCRIPTION** This project is intended to address needed renovations or replacement of several of the City's smaller steel water storage tanks that are reaching the end of their projected 30 year life along with tank related infrastructure.

**STATUS** FY 2022 included funds for professional services to inspect and provide long-range planning recommendations for three of the City's smaller, aging, steel water tanks. Based on the recommendations, which considered renovations vs. replacement, funding is planned in FY 2023-2024 to perform complete restorations of the Willowick area and Raintree No. 1 tanks at a cost of approximately \$60,000 each. Full restorations will provide an extended life expectancy of around 20+ years. Additionally, funding in FY 2023 includes replacement of altitude valves and related piping at the Chenoweth and Carriage Hills tank sites at an estimated cost of \$315,000. This work was previously funded in the Department's operating budget, but was capitalized for FY 2023 per the recommendation of the Finance Department. Altitude valves are used to regulate tank levels as part of system automation.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2022</b>	<b>Proposed FY 2023</b>	<b>Proposed FY 2024</b>	<b>Proposed FY 2025</b>	<b>Proposed FY 2026</b>	<b>Proposed FY 2027</b>	<b>Proposed FY 2028</b>	<b>Total FY 2023-2028</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	30	40	15					55
Construction		375	120					495
Property/Easement Acquisition								
<b>TOTAL EXPENDITURES</b>	<b>30</b>	<b>415</b>	<b>135</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>550</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund								
Water Tap Fees and NCG Tap Fees	30	415	135					550
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
<b>TOTAL FUNDS</b>	<b>30</b>	<b>415</b>	<b>135</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>550</b>

---

---

**JUSTIFICATION**

**Periodic maintenance and upgrade of aging tank facilities is vital for system reliability and to minimize unexpected maintenance problems that could create emergency situations.**

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services  
Operating Expenditures  
Debt Service

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

---

---

-

**OFFSETTING REVENUE:**





**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Glossary of Terms**

<b>Appropriation</b>	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.
<b>Budget</b>	The official enactment by the City Commission establishing the legal authority for the City staff to make expenditures.
<b>Capital Improvements</b>	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.
<b>Capital Improvements Budget</b>	The appropriation of operating funds and bond funds for capital improvements during the first year of a six-year program.
<b>Capital Improvements Program</b>	A plan, updated yearly, which provides for long-term physical improvements during the six-year plan period.
<b>Capital Projects Fund</b>	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.
<b>CMOM</b>	Capacity, Management, Operations and Maintenance program mandated by EPA and TDEC for sanitary sewer systems.
<b>Corridor Plan</b>	A concept master plan for the layout of a roadway section that will be generally followed in future design and engineering.
<b>Debt Service Fund</b>	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**

<b>Emergency Communications District</b>	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.
<b>Facilities Maintenance Division</b>	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.
<b>Federal Highway Administration (FHWA)</b>	The federal agency responsible for approving modification to the interstate highway system including interchanges.
<b>General Fund</b>	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.
<b>General Obligation Bonds</b>	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).
<b>Gravity Sewer System</b>	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.
<b>Grinder Pump Sewer System</b>	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.
<b>Metropolitan Nashville-Davidson County</b>	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**

<b>Metropolitan Planning Organization (MPO)</b>	The regional transportation planning organization responsible for prioritizing and allocating federal funds to various roads projects under the 1991 Surface Transportation Act.
<b>Operating Budget</b>	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.
<b>Private Sources</b>	Sources of funds, or other assets, received from individuals, businesses or foundations for use by the government for specific or general projects.
<b>Program and Facility Costs</b>	The anticipated ongoing annual expenditures associated with a new program or facility to be operated by the City.
<b>Public Works Project Fee Fund (PWPF)</b>	The fund set aside for the accumulation of transportation impact fees and the disbursement of those fees for improvements to the City's roadways.
<b>Right of Way (R.O.W.)</b>	An area set aside and controlled by a political subdivision for use by the public, generally for transportation facilities such as streets and highways.
<b>State of Tennessee</b>	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.
<b>State Street Aid Fund</b>	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**

<b>Tennessee Department of Environment and Conservation (TDEC)</b>	The department of the state government responsible for regulating discharges into streams and for distributing grants for park projects.
<b>Tennessee Department of Transportation (TDOT)</b>	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.
<b>Warrant Study</b>	A study required justifying the need for a traffic signal installation or modification.
<b>Water/Sewer Fund</b>	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.
<b>Water/Sewer Revenue Bonds</b>	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.
<b>Williamson County</b>	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.