



CITY OF  
**BRENTWOOD**  
TENNESSEE



Fiscal Year 2022-2027  
Capital Improvement  
Program

# **CITY OF BRENTWOOD, TENNESSEE**

## **PROPOSED CAPITAL IMPROVEMENTS PROGRAM**

**Fiscal Years 2022 - 2027**

**March 22, 2021**

# **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
GIS	43
Radio System	45
Security System	47
Software Systems	49
Warning Sirens	51
<b>V. Transportation</b>	<b>53</b>
ADA Retrofits	55
Bike and Pedestrian	57
Franklin Road - South	59
McEwen Drive	61
Murray Lane	63
Ragsdale Road	65
Street Lighting	67
Street Resurfacing	69
Sunset-Ragsdale Realignment	71
Sunset Road Phase 2 (Concord to Ragsdale)	73
Sunset Road Phase 3 (Ragsdale to Waller)	75
Traffic Signal Upgrades	77

## **TABLE OF CONTENTS**

	<b><u>PAGE</u></b>
<b>VI. Storm Drainage</b>	<b>79</b>
Derby Glen	81
Subdivision Drainage	83
Tara Drive	85
<b>VII. Parks and Recreation</b>	<b>87</b>
Crockett Park	89
Deerwood Arboretum	91
Flagpole and Wikle	93
Granny White Park	95
Marcella Vivrette Smith Park	97
Maryland Way Park	99
Owl Creek Park	101
Margaret Powell Park	103
River Park	105
Tower Park	107
Windy Hill Park	109
<b>VIII. Utilities</b>	<b>111</b>
Miscellaneous Sewer Service Additions	113
Miscellaneous Sewer System Improvements	115
Miscellaneous Water System Improvements	117
Sewer Rehabilitation Program	119
Sewer System Capacity Improvements	121
Sewer Lift Station Rehabilitation	123
Water Line Replacement Program	125
Water System Capacity Improvements	127
<b>IX. Glossary of Terms</b>	<b>129</b>

# **INTRODUCTION**

Kirk Bednar  
CITY MANAGER



Jay Evans  
ASST. CITY MANAGER

## BRENTWOOD

CITY MANAGER'S OFFICE

March 22, 2021

### CITY MANAGER MEMORANDUM 2021-02

TO: Honorable Mayor and Members of the City Commission

FROM: Kirk Bednar, City Manager 

SUBJECT: **Proposed Fiscal Years 2022-2027 Capital Improvements Program**

Attached you will find the proposed six-year capital improvements program (CIP) for the City of Brentwood for fiscal years 2022-2027.

The proposed CIP will be reviewed with the Board of Commissioners at a work session scheduled for Tuesday, March 30, 2021, beginning at 4:00 PM via WebEx. 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 24, 2021, Monday, June 14, 2021, and Monday, June 28, 2021. A resolution to adopt the six-year CIP will be presented to the City Commission for consideration and adoption at the June 28, 2021 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 2022 budget. The plan is updated every year, and projects in years two through five may be added, deleted, or changed in terms of scheduling in future updates of the plan.

### **Summary Overview**

The proposed FY 2022-2027 Capital Improvements Program is an ambitious plan that calls for the investment of **\$138,025,000** 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 **\$19 million** of the **\$138 million** program (14%) is dependent upon utilization of inter-governmental revenues (state, federal, and county), targeted mostly to final completion of improvements to Franklin Road, annual street repaving over the next six years, and the sewer storage facility.

The net local investment of **\$119 million** over six-years will require a significant funding commitment, including direct support of over **\$100.2 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 **\$13.8 million**, including \$6.8 million proposed in FY 2023 for the Ragsdale Road widening and streetlight retrofit projects, an additional \$5.0 million in FY 2025, \$4.0 million of which is to provide funding for development of a new Parks Department operations facility, and \$5.0 million in FY 2027, \$3.0 million of which is programmed for the Sunset Road Phase 3 project. The six-year CIP plan also includes issuance of **\$5 million** of Water/Sewer Bonds for construction of the wet weather sewer storage facility.

Total costs in the major program areas over the next six years (FY 2022-2027) are summarized below:

Transportation	\$62,975,000	45.6%
Utilities	36,365,000	26.4%
Facilities & Equipment	22,895,000	16.6%
Parks & Recreation	7,700,000	5.6%
Technology	7,090,000	5.1%
Storm Drainage	<u>1,000,000</u>	<u>0.7%</u>
<b>TOTAL</b>	<b>\$138,025,000</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 early years of the six-year plan reflect completion of widening improvements to Franklin Road South to five lanes from Concord Road to south of Moore's Lane. This project is currently under construction with a remaining cost estimate totaling \$4 million. Most of this funding will be provided directly by TDOT for construction with a small local share reserved for settlement of remaining eminent domain cases and construction oversight.

With the passage of the IMPROVE Act in 2017, increased gas tax revenue will allow TDOT to undertake numerous new projects. Within Brentwood, the IMPROVE Act identified the reconstruction of the Moore's Lane/I-65 interchange as a future project. Preliminary engineering work on this project is currently reflected in TDOT's work plan for FY 2022. With no local participation expected on this project, it will not be reflected in this document. Unfortunately, even with the IMPROVE Act, a TDOT commitment to financially participate in any future major improvement projects on other state routes such as Wilson Pike between Concord and Church Street remains highly unlikely in the foreseeable future.

The six-year plan maintains funding of \$9.7 million projected as the City's share of costs associated with the project to extend McEwen Drive east of Wilson Pike through the Taramore subdivision. The plan includes significant funding (\$13.0 million) for the planned widening of Ragsdale Road from the Glenellen subdivision west to Split Log Road and \$10.15 million for widening of Sunset Road from Ragsdale Road east to the city limits at Waller Road.

The City will maintain a significant commitment to street resurfacing over the six-year period in the total amount of \$16.2 million. The FY 2022 proposed resurfacing funding level is \$2.5 million. The City's ability to increasing 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 \$2.1 million programmed. Additional funding via state grants will continue to be pursued to supplement this allocation of local funds.

The primary focus of the **General Facilities and Equipment** program over the next six years will be on construction and renovation of departmental facilities and the planned, systematic replacement of large equipment. Funding (\$4.9 million) is provided for final design and construction of Fire Station 5 on Split Log Road along with purchase of a new fire apparatus (\$840,000). Construction is tentatively scheduled to begin in fall of 2022 with completion by the end of calendar year 2023. The planned construction of a new Parks Department office facility within Crockett Park has been programmed in FY 2025 (\$4.15 million).

The six-year plan maintains the ongoing effort to accumulate funding annually for the periodic replacement and upgrade of essential vehicles and heavy equipment. This systematic approach will allow for over \$8.4 million in vehicles and equipment (costing more than \$40,000 per unit) to be replaced over the next six years. This reserve allows us to avoid an adverse budgetary impact in a single year.

Funding is programmed in the Municipal Center enterprise fund (\$2.8 million) for continued upkeep and improvement of the 30+ year-old city hall facility, including City Hall renovations in FY 2022 following



relocation of the Police Department. Annual funding from the Facilities Maintenance Fund is also programmed throughout the six-year period to assure proper upkeep of various city facilities.

The proposed six-year **Utilities** program includes funding balanced between maintenance of existing infrastructure and long-term capacity planning for both the water and sewer systems. From a water service standpoint, the City has traditionally conducted capacity planning and construction with the goal of satisfying peak summer irrigation system demands. This unbalanced seasonal demand has resulted in the City's primary water supplier, Harpeth Valley Utility District, adjusting the City's minimum bill obligations to a point where the new monthly minimum bill volume is greater than the actual volume of water needed during most months of the year. The six-year plan provides for a \$6.65 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 (\$9.0 million) in the replacement of aging water system infrastructure.

Now that the heaviest phase of sewer rehabilitation work is complete, the focus is shifting to sewer system capacity improvements as identified in the sewer system master plan. This includes sub-basin conveyance and system-wide capacity projects to ensure the sewer system can adequately serve the community as build out of the service area progresses. A total of \$12.1 million is programmed over the six-year CIP period for sewer capacity projects, including a wet weather storage tank in proximity to the Brentwood pump station.

The **Technology** program emphasizes the replacement and upgrade of computer hardware and software and other state of the art equipment that allows our employees to continue to deliver services in a responsive, cost effective manner. About \$4.6 million is allocated for computer equipment and hardware upgrades and replacements over six years. Costs related to the relocation of 911 dispatch operations to the new Police Headquarters facility (\$1.35 million) are programmed from the ECD fund in FY 2022. Funding (\$100,000) is provided FY 2022 to continue implementation of security upgrades in parks or expansion of license plate readers as deemed appropriate. Funding of \$100,000 is carried over to FY 2022 to complete final acceptance testing of the regional radio system that went live in early 2019. Finally, funding of \$315,000 is also programmed in FY 2022 for the completion of the project to replace the City's general ledger and HR software system as well as other small software system implementation projects.

The **Parks and Recreation** program over the next six years reflects funding (\$2.3 million) for the development of Windy Hill Park on Old Smyrna Road. Note that the timing of development of Windy Hill Park has been moved up in the proposed plan with master planning now recommended to start in FY 2022. Funding (\$1.8 million) is provided for development of new inclusive playgrounds in Granny White and Crockett Parks over the next three years. The six-year plan also continues a significant funding commitment (\$1.38 million) for proactive major maintenance projects within existing park facilities, including potential replacement of the community playground and Eddy Arnold Amphitheatre roof. Funding of \$500,000 is also provided in FY 2022 as the City's share of a potential public-private partnership with the Brentwood Ball Club for installation of artificial turf on baseball fields at Crockett Park, subject to City Commission approval of a partnership agreement.

## **FINANCING REQUIREMENTS**

As noted earlier, approximately \$100.2 million (73%) of the six-year program will be funded from local sources on a “pay-as-you-go” basis. Next, inter-governmental funding sources will cover \$19 million or 14%. The remaining funds (\$18.8 million or approximately 14%) will come through the issuance of General Obligation and Water/Sewer Bonds.

FY 2022 funding for several projects is dependent upon a proposed FY 2021 year-end transfer of current year excess revenues totaling \$5,000,000. This transfer will consist of \$4,080,000 to the Capital Projects Fund, \$605,000 to the Equipment Replacement Fund, and \$315,000 to Facilities Maintenance Fund. Additional one-time funding is proposed in the state’s FY 2022 budget totaling \$966,000. These funds are programmed for one-time projects including a portion of the new fire apparatus for Fire Station 5, major mechanical system maintenance projects at the Library, and smaller scale police equipment needs.

The implementation of a six-year, comprehensive program with long-term benefits will require the issuance of **\$16.8 million** in new 20-year General Obligation Bonds for various projects, and the issuance of **\$5 million** in Water/Sewer Bonds to help fund the proposed wet weather sewage storage facility.

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

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

#### ***Fiscal year 2022*** (issued by late calendar year 2021)

- Water and Sewer bonds (**\$5,000,000**) for construction of a sewer system equalization basin adjacent to the Brentwood/Metro pump station.

#### ***Fiscal year 2023*** (issued by late calendar year 2022):

- G.O. bonds (**\$6,800,000**) for construction of improvements to widen Ragsdale Road from Glenellen subdivision to Split Log Road (\$5,000,000) and a potential streetlight retrofit project (\$1,800,000).

#### ***Fiscal year 2025*** (issued by late calendar year 2024)

- G.O. bonds (**\$5,000,000**) for construction of Parks Department Operations facility (\$4,000,000) and other project(s) to be determined.

#### ***Fiscal year 2027*** (issued by late calendar year 2026)

- G.O. bonds (**\$5,000,000**) for construction of Sunset Road Phase 3 from Ragsdale Road to Waller Road (\$3,000,000) and other project(s) to be determined

No additional General Obligation or Water and Sewer bond issues are currently projected for the remainder of the six-year plan. However, future decisions regarding initiation of significant capital projects and/or

significant fluctuations in revenue due to economic conditions or weather conditions could require consideration of debt financing for completion of projects.

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

The City takes a very conservative approach to the issuance of General Obligation Bonds. The proposed debt issues are not projected to have an impact on the property tax rate. Debt service for the proposed Water/Sewer bonds will be funded through current income based on financial modeling at this time. However, an update rate study for the Water and Sewer Fund is underway with any adjustments to rates subject to approval by the City Commission.

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 2021 is \$2,315,900. The projected fund balance for the Debt Service Fund as of June 30, 2021 is approximately \$4,413,100, which will exceed the one-year target level. Note that these numbers do not take into account the early repayment of two Capital Outlay Notes in fall 2020 as authorized by the City Commission. This repayment will be funded by a year-end transfer from the undesignated General Fund balance to the Debt Service Fund. The proposed FY 2022 General Fund transfer to the Debt Service Fund will be \$2,995,000, a decrease of \$355,000 from the FY 2021 level due to the payoff of the Capital Outlay Notes. Future increases of \$100,000 are projected in FY 2023 and 2024 to account for the debt service impact of planned future G.O. bond issues.

Finally, the percentage of the total General Fund budget, not including one-time fund balance transfers, allocated for debt service in FY 2021 is 8.2%. This amount of annual debt service is considered by the rating agencies to be a manageable level for a growing community. Assuming a 4% General Fund budget growth from FY 2022 through FY 2027 with the Debt Service Fund transfer projected at \$3,195,000 by FY 2027, this percentage will decrease to 6.2% in FY 2027.

## **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.



## BRENTWOOD

CITY MANAGER'S OFFICE

March 22, 2021

### 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 47 projects and improvements at a total cost of approximately \$138 million. As addressed in the previous memo from the City Manager, \$119 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 \$4.08 million FY 2021 year-end transfer of excess revenues from the General Fund to the Capital Projects Fund. It also includes utilization of \$3.0 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 \$6.8 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, \$4.0 million of which would be for construction of the Park Operations Facility with the remaining \$1.0 million undesignated at this time, and the third would be a \$5.0 million issue in FY 2027, with \$3.0 million for the Sunset Road Phase 3 project between Ragsdale Road and Waller Road with the remaining \$2.0 million undesignated at this time.

The City was in the position in FY 2021 to pay off the two (2) \$3.5 million 2018 Capital Outlay Notes, resulting in a reduced payment to the Debt Service Fund in FY 2022 of \$2,995,000, down from \$3,350,000 in FY 2021. 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>
2022	\$ 13,795,000	\$ 2,995,000	\$ 16,790,000
2023	17,489,500	\$ 3,095,000	20,584,500
2024	14,570,000	\$ 3,195,000	17,765,000
2025	14,705,000	\$ 3,195,000	17,900,000
2026	7,510,000	\$ 3,195,000	10,705,000
2027	10,085,000	\$ 3,195,000	13,280,000
<b>Total</b>	<b><u>\$ 78,154,500</u></b>	<b><u>\$ 18,870,000</u></b>	<b><u>\$ 97,024,500</u></b>

The City's Water and Sewer Fund is expected to issue \$5.0 million in bonds in FY 2022 to finance a portion of the sewer system's \$9.5 million wet weather storage facility that has been identified by TDEC as a necessary improvement. Although current revenue projections are expected to fund the infrastructure improvements in the planning period, an update to the rate study is underway and will identify any changes that may be necessary. Should regulatory conditions change, or currently anticipated projects change in scope, additional debt may be necessary.

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

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

**RESOLUTION 2021-XX**

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

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

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

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

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

**SECTION 1.** That the proposed Capital Improvements Program, establishing projects to be accomplished during fiscal years 2022-2027, is hereby adopted as a guideline for Brentwood city government.

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

---

MAYOR

ADOPTED: June 22, 2020

*Approved as to form:*

---

RECORDER

---

Holly Earls

---

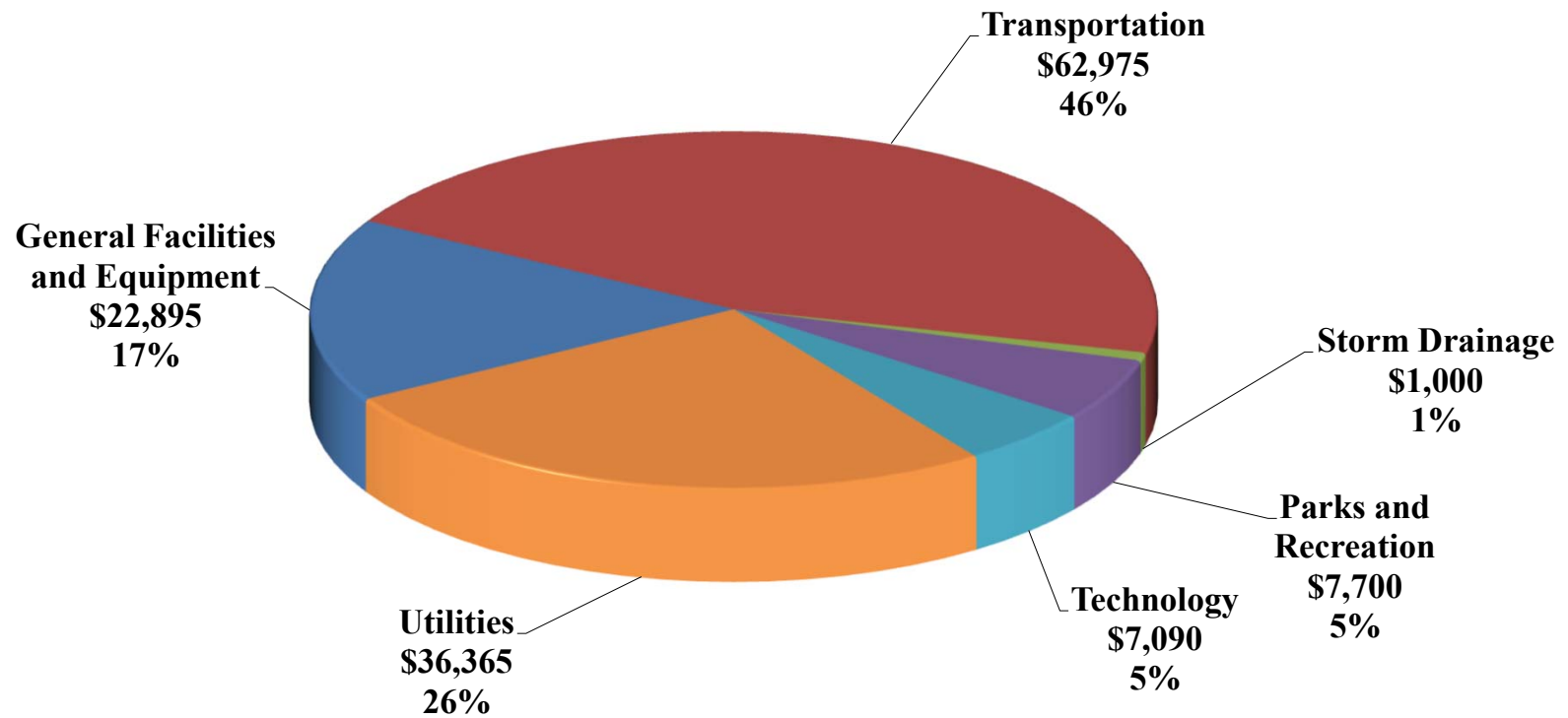
CITY ATTORNEY

---

Kristen Corn

## **SUMMARIES**

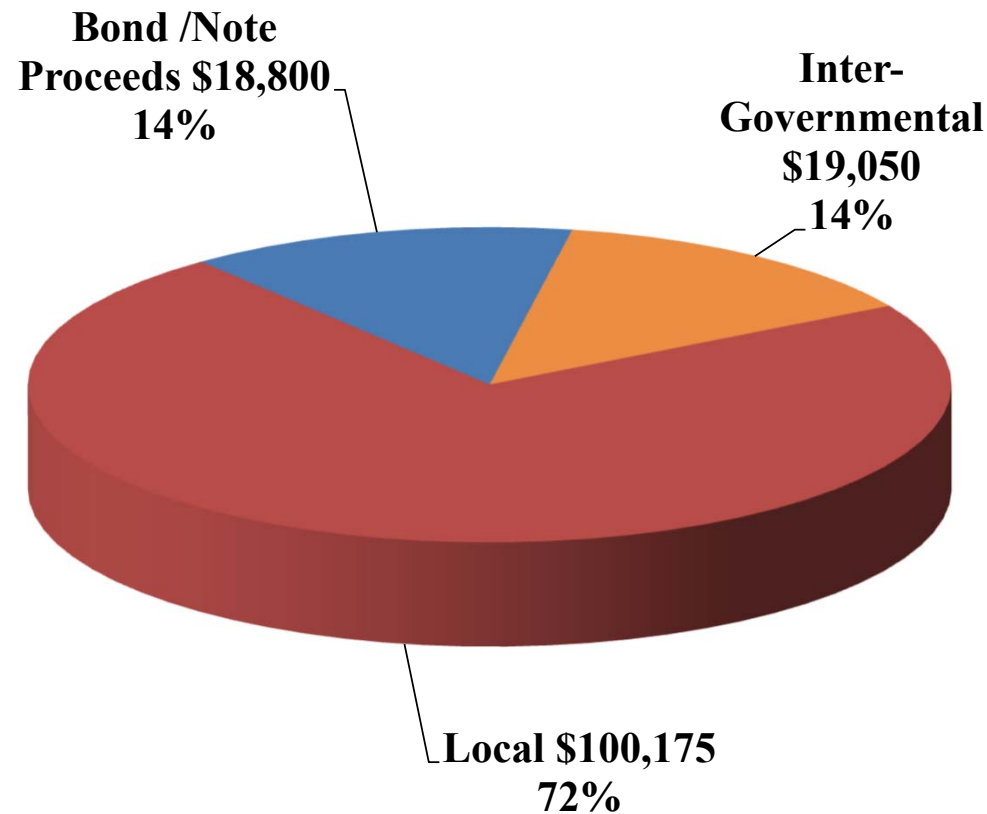
**City of Brentwood, Tennessee  
Capital Improvements Program  
Fiscal Years 2022-2027  
Program Expenditures  
(000's)**



**Total for All Programs  
\$138,025**



**City of Brentwood, Tennessee  
Capital Improvements Program  
Fiscal Years 2022-2027 Funding by Source  
(000's)**



**Total for All Programs  
\$138,025**

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Year 2022 - 2027**  
**Program Expenditures - Summary**  
**(000's)**

<b><u>Program</u></b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-2027</b>
General Facilities and Equipment	19,320	7,335	4,130	910	5,655	2,580	2,285	22,895
Technology	1,470	2,330	1,140	845	1,045	870	860	7,090
Transportation	13,540	10,870	13,125	12,995	9,795	7,595	8,595	62,975
Storm Drainage	245	250	150	150	150	150	150	1,000
Parks and Recreation	3,365	2,675	1,395	2,630	650	225	125	7,700
Utilities	3,915	12,570	7,765	5,030	3,485	2,365	5,150	36,365
<b>Grand Total</b>	<b>41,855</b>	<b>36,030</b>	<b>27,705</b>	<b>22,560</b>	<b>20,780</b>	<b>13,785</b>	<b>17,165</b>	<b>138,025</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Year 2022 - 2027**  
**Sources of Funds - Summary**  
**(000's)**

<b><u>Source</u></b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-27</b>
Capital Projects Fund	23,060	8,535	4,025	1,600	70	-	-	14,230
Emergency Communications District Fund	285	1,480	15	10	35	5	15	1,560
Equipment Replacement Division	1,965	2,105	2,130	1,190	2,035	2,190	2,770	12,420
Facilities Maintenance Division	905	800	545	330	450	300	300	2,725
General Fund	870	850	6,300	5,380	4,980	4,850	3,845	26,205
General Fund (Unrestricted Balance)	1,000	-	-	3,000	3,000	-	-	6,000
General Obligation Bond Proceeds	-	-	3,900	2,900	4,000	-	3,000	13,800
Municipal Center Fund	50	1,505	590	170	170	170	170	2,775
Private Sources	225	720	-	5	635	5	5	1,370
Public Works Project Fee Fund	-	-	-	1,000	-	2,000	-	3,000
Inter-Governmental Sources	8,950	7,020	930	-	-	-	-	7,950
State Street Aid Fund	800	1,700	1,800	1,900	1,900	1,900	1,900	11,100
Water and Sewer Fund	970	4,835	5,315	3,070	1,420	2,150	3,710	20,500
Water Tap Fees and NCGUD Tap Fees	1,610	100	950	1,965	2,045	175	1,410	6,645
Sewer Tap Fees	1,165	1,380	1,205	40	40	40	40	2,745
Water & Sewer Bond/Note Proceeds	-	5,000	-	-	-	-	-	5,000
<b>Grand Total</b>	<b>41,855</b>	<b>36,030</b>	<b>27,705</b>	<b>22,560</b>	<b>20,780</b>	<b>13,785</b>	<b>17,165</b>	<b>138,025</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**Summary - All Projects**  
**(000's)**

		<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-2027</b>
<b>General Facilities</b>	Community Identity Features	-	60	15	15	15	15	15	135
	Community Planning	-	-	60	-	50	-	-	110
	Equipment and Vehicles	1,435	2,450	1,165	450	1,085	1,330	1,975	8,455
	Fire Stations	275	2,700	2,175	-	-	-	-	4,875
	Library	355	445	50	50	200	50	50	845
	Municipal Center	50	1,505	590	170	170	170	170	2,775
	Park Operations Facility	-	-	-	150	4,000	-	-	4,150
	Police Headquarters	17,050	-	-	-	-	-	-	-
	Safety Center East	105	55	25	25	25	25	25	180
	Service Center	50	120	50	50	110	990	50	1,370
	<b>Total - General Facilities</b>	<b>19,320</b>	<b>7,335</b>	<b>4,130</b>	<b>910</b>	<b>5,655</b>	<b>2,580</b>	<b>2,285</b>	<b>22,895</b>
<b>Technology</b>	Computer Equipment	575	265	955	730	985	845	800	4,580
	Emergency Communications Center	-	1,540	-	-	-	-	-	1,540
	Fiber Network	225	10	110	-	-	-	-	120
	GIS	-	-	-	75	-	-	-	75
	Radio System	70	100	-	-	-	-	-	100
	Security System	290	100	-	-	-	-	-	100
	Software Systems	310	315	40	40	25	25	25	470
	Warning Sirens	-	-	35	-	35	-	35	105
	<b>Total - Technology</b>	<b>1,470</b>	<b>2,330</b>	<b>1,140</b>	<b>845</b>	<b>1,045</b>	<b>870</b>	<b>860</b>	<b>7,090</b>
<b>Transportation</b>	ADA Retrofits	300	300	540	300	300	300	300	2,040
	Bike and Pedestrian	510	360	350	350	350	350	350	2,110
	Franklin Road - South	7,130	4,010	-	-	-	-	-	4,010
	McEwen Drive	160	370	2,500	3,100	3,700	-	-	9,670
	Murray Lane	80	730	440	-	-	-	-	1,170
	Ragsdale Road	-	750	4,350	5,900	2,000	-	-	13,000
	Street Lighting	-	120	1,800	20	20	20	20	2,000
	Street Resurfacing	2,065	2,500	2,600	2,700	2,800	2,800	2,800	16,200
	Sunset-Ragsdale Realignment	-	200	-	-	-	-	-	200
	Sunset Road Phase 2 (Concord to Ragsdale)	3,130	100	-	-	-	-	-	100
	Sunset Road Phase 3 (Ragsdale to Waller)	-	-	150	500	500	4,000	5,000	10,150
	Traffic Signal Upgrades	165	1,430	395	125	125	125	125	2,325
	<b>Total - Transportation</b>	<b>13,540</b>	<b>10,870</b>	<b>13,125</b>	<b>12,995</b>	<b>9,795</b>	<b>7,595</b>	<b>8,595</b>	<b>62,975</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**Summary - All Projects**  
**(000's)**

	Projected FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total 6 Years 2022-2027
<b>Storm Drainage</b>								
Derby Glen	175	-	-	-	-	-	-	-
Subdivision Drainage	70	150	150	150	150	150	150	900
Tara Drive	-	100	-	-	-	-	-	100
<b>Total - Storm Drainage</b>	<b>245</b>	<b>250</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>1,000</b>
<b>Parks/Recreation</b>								
Crockett Park	80	1,070	560	1,050	525	75	75	3,355
Deerwood Arboretum	10	-	50	-	75	-	-	125
Flagpole and Wikle	-	30	-	15	-	-	-	45
Granny White Park	230	1,265	30	50	50	50	50	1,495
Marcella Vivrette Smith Park	290	65	45	15	-	100	-	225
Maryland Way Park	20	-	-	-	-	-	-	-
Owl Creek Park	-	80	60	-	-	-	-	140
Margaret Powell Park	-	10	-	-	-	-	-	10
River Park	70	-	-	-	-	-	-	-
Tower Park	45	25	-	-	-	-	-	25
Windy Hill Park	2,620	130	650	1,500	-	-	-	2,280
<b>Total - Parks/Recreation</b>	<b>3,365</b>	<b>2,675</b>	<b>1,395</b>	<b>2,630</b>	<b>650</b>	<b>225</b>	<b>125</b>	<b>7,700</b>
<b>Utilities</b>								
Miscellaneous Sewer Service Additions	-	175	370	45	45	45	45	725
Miscellaneous Sewer System Improvements	255	110	110	110	110	110	110	660
Miscellaneous Water System Improvements	165	75	110	110	110	110	110	625
Sewer Rehabilitation Program	305	670	1,125	1,125	1,075	575	575	5,145
Sewer System Capacity Improvements	1,370	8,100	2,050	-	-	200	1,750	12,100
Sewer Lift Station Rehabilitation	10	865	550	-	-	-	-	1,415
Water Line Replacement Program	200	2,475	2,500	1,675	100	1,150	1,150	9,050
Water System Capacity Improvements	1,610	100	950	1,965	2,045	175	1,410	6,645
<b>Total - Utilities</b>	<b>3,915</b>	<b>12,570</b>	<b>7,765</b>	<b>5,030</b>	<b>3,485</b>	<b>2,365</b>	<b>5,150</b>	<b>36,365</b>
<b>TOTALS</b>	<b>41,855</b>	<b>36,030</b>	<b>27,705</b>	<b>22,560</b>	<b>20,780</b>	<b>13,785</b>	<b>17,165</b>	<b>138,025</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**General Facilities and Equipment**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-2027</b>
Community Identity Features	-	60	15	15	15	15	15	135
Community Planning	-	-	60	-	50	-	-	110
Equipment and Vehicles	1,435	2,450	1,165	450	1,085	1,330	1,975	8,455
Fire Stations	275	2,700	2,175	-	-	-	-	4,875
Library	355	445	50	50	200	50	50	845
Municipal Center	50	1,505	590	170	170	170	170	2,775
Park Operations Facility	-	-	-	150	4,000	-	-	4,150
Police Headquarters	17,050	-	-	-	-	-	-	-
Safety Center East	105	55	25	25	25	25	25	180
Service Center	50	120	50	50	110	990	50	1,370
<b>Grand Total</b>	<b>19,320</b>	<b>7,335</b>	<b>4,130</b>	<b>910</b>	<b>5,655</b>	<b>2,580</b>	<b>2,285</b>	<b>22,895</b>

**Source of Funds**

Capital Projects Fund	15,835	2,780	175	-	-	-	-	2,955
General Fund	-	-	2,075	165	125	955	15	3,335
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	4,000	-	-	4,000
Equipment Replacement Division	1,410	1,910	1,165	450	1,085	1,330	1,975	7,915
Facilities Maintenance Division	475	260	125	125	275	125	125	1,035
Inter-Governmental Sources	1,250	880	-	-	-	-	-	880
Municipal Center Fund	50	1,505	590	170	170	170	170	2,775
Private Sources	50	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
ECD Fund	250	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>19,320</b>	<b>7,335</b>	<b>4,130</b>	<b>910</b>	<b>5,655</b>	<b>2,580</b>	<b>2,285</b>	<b>22,895</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**Technology Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-27</b>
Computer Equipment	575	265	955	730	985	845	800	4,580
Emergency Communications Center	-	1,540	-	-	-	-	-	1,540
Fiber Network	225	10	110	-	-	-	-	120
GIS	-	-	-	75	-	-	-	75
Radio System	70	100	-	-	-	-	-	100
Security System	290	100	-	-	-	-	-	100
Software Systems	310	315	40	40	25	25	25	470
Warning Sirens	-	-	35	-	35	-	35	105
<b>Grand Total</b>	<b>1,470</b>	<b>2,330</b>	<b>1,140</b>	<b>845</b>	<b>1,045</b>	<b>870</b>	<b>860</b>	<b>7,090</b>

**Source of Funds**

Capital Projects Fund	845	650	10	-	-	-	-	660
General Fund	-	-	135	45	35	-	35	250
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Equipment Replacement Division	555	195	965	740	950	860	795	4,505
Facilities Maintenance Division	-	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Municipal Center Fund	-	-	-	-	-	-	-	-
Water and Sewer Fund	35	5	15	50	25	5	15	115
ECD Fund	35	1,480	15	10	35	5	15	1,560
<b>Grand Total</b>	<b>1,470</b>	<b>2,330</b>	<b>1,140</b>	<b>845</b>	<b>1,045</b>	<b>870</b>	<b>860</b>	<b>7,090</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**Transportation**  
**(000's)**

<b>Projects</b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-2027</b>
ADA Retrofits	300	300	540	300	300	300	300	2,040
Bike and Pedestrian	510	360	350	350	350	350	350	2,110
Franklin Road - South	7,130	4,010	-	-	-	-	-	4,010
McEwen Drive	160	370	2,500	3,100	3,700	-	-	9,670
Murray Lane	80	730	440	-	-	-	-	1,170
Ragsdale Road	-	750	4,350	5,900	2,000	-	-	13,000
Street Lighting	-	120	1,800	20	20	20	20	2,000
Street Resurfacing	2,065	2,500	2,600	2,700	2,800	2,800	2,800	16,200
Sunset-Ragsdale Realignment	-	200	-	-	-	-	-	200
Sunset Road Phase 2 (Concord to Ragsdale)	3,130	100	-	-	-	-	-	100
Sunset Road Phase 3 (Ragsdale to Waller)	-	-	150	500	500	4,000	5,000	10,150
Traffic Signal Upgrades	165	1,430	395	125	125	125	125	2,325
<b>Grand Total</b>	<b>13,540</b>	<b>10,870</b>	<b>13,125</b>	<b>12,995</b>	<b>9,795</b>	<b>7,595</b>	<b>8,595</b>	<b>62,975</b>

**Source of Funds**

Capital Projects Fund	4,385	3,385	3,190	100	70	-	-	6,745
General Fund	800	800	3,565	4,045	4,145	3,645	3,645	19,845
General Fund - Unrestricted Balance	-	-	-	3,000	3,000	-	-	6,000
G O Bond Proceeds	-	-	3,900	2,900	-	-	3,000	9,800
Facilities Maintenance Division	60	60	50	50	50	50	50	310
Private Sources	-	-	-	-	630	-	-	630
Public Works Project Fund	-	-	-	1,000	-	2,000	-	3,000
Inter-Governmental Sources	7,495	4,925	620	-	-	-	-	5,545
State Street Aid Fund	800	1,700	1,800	1,900	1,900	1,900	1,900	11,100
Water and Sewer Fund	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>13,540</b>	<b>10,870</b>	<b>13,125</b>	<b>12,995</b>	<b>9,795</b>	<b>7,595</b>	<b>8,595</b>	<b>62,975</b>



**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**Storm Drainage Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-2027</b>
Derby Glen	175	-	-	-	-	-	-	-
Subdivision Drainage	70	150	150	150	150	150	150	900
Tara Drive	-	100	-	-	-	-	-	100
<b>Grand Total</b>	<b>245</b>	<b>250</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>1,000</b>

**Source of Funds**

Capital Projects Fund	175	200	-	-	-	-	-	200
General Fund	70	50	150	150	150	150	150	800
G O Bond Proceeds	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>245</b>	<b>250</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>1,000</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**Parks and Recreation Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-2027</b>
Crockett Park	80	1,070	560	1,050	525	75	75	3,355
Deerwood Arboretum	10	-	50	-	75	-	-	125
Flagpole and Wikle	-	30	-	15	-	-	-	45
Granny White Park	230	1,265	30	50	50	50	50	1,495
Marcella Vivrette Smith Park	290	65	45	15	-	100	-	225
Maryland Way Park	20	-	-	-	-	-	-	-
Owl Creek Park	-	80	60	-	-	-	-	140
Margaret Powell Park	-	10	-	-	-	-	-	10
River Park	70	-	-	-	-	-	-	-
Tower Park	45	25	-	-	-	-	-	25
Windy Hill Park	2,620	130	650	1,500	-	-	-	2,280
<b>Grand Total</b>	<b>3,365</b>	<b>2,675</b>	<b>1,395</b>	<b>2,630</b>	<b>650</b>	<b>225</b>	<b>125</b>	<b>7,700</b>

**Source of Funds**

Capital Projects Fund	1,820	1,520	650	1,500	-	-	-	3,670
General Fund	-	-	375	975	525	100	-	1,975
General Fund - Unrestricted Balance	1,000	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Facilities Maintenance Division	370	480	370	155	125	125	125	1,380
Private Sources	175	675	-	-	-	-	-	675
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>3,365</b>	<b>2,675</b>	<b>1,395</b>	<b>2,630</b>	<b>650</b>	<b>225</b>	<b>125</b>	<b>7,700</b>

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Year 2022 - 2027**  
**Water and Sewer Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b><u>Projected 2021</u></b>	<b><u>FY 2022</u></b>	<b><u>FY 2023</u></b>	<b><u>FY 2024</u></b>	<b><u>FY 2025</u></b>	<b><u>FY 2026</u></b>	<b><u>FY 2027</u></b>	<b><u>Total 6 Years 2022-2027</u></b>
Miscellaneous Sewer Service Additions	-	175	370	45	45	45	45	725
Miscellaneous Sewer System Improvements	255	110	110	110	110	110	110	660
Miscellaneous Water System Improvements	165	75	110	110	110	110	110	625
Sewer Rehabilitation Program	305	670	1,125	1,125	1,075	575	575	5,145
Sewer System Capacity Improvements	1,370	8,100	2,050	-	-	200	1,750	12,100
Sewer Lift Station Rehabilitation	10	865	550	-	-	-	-	1,415
Water Line Replacement Program	200	2,475	2,500	1,675	100	1,150	1,150	9,050
Water System Capacity Improvements	1,610	100	950	1,965	2,045	175	1,410	6,645
<b>Grand Total</b>	<b>3,915</b>	<b>12,570</b>	<b>7,765</b>	<b>5,030</b>	<b>3,485</b>	<b>2,365</b>	<b>5,150</b>	<b>36,365</b>

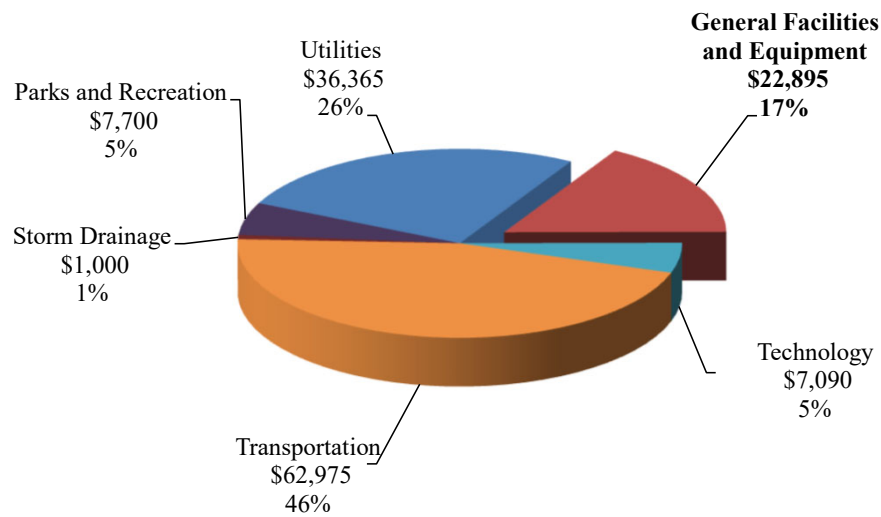
**Source of Funds**

Water and Sewer Fund	935	4,830	5,300	3,020	1,395	2,145	3,695	20,385
Water Tap Fees and NCGUD Tap Fees	1,610	100	950	1,965	2,045	175	1,410	6,645
Sewer Tap Fees	1,165	1,380	1,205	40	40	40	40	2,745
Private Sources	-	45	-	5	5	5	5	65
Inter-Governmental Sources	205	1,215	310	-	-	-	-	1,525
Water and Sewer Bond/Note Proceeds	-	5,000	-	-	-	-	-	5,000
<b>Grand Total</b>	<b>3,915</b>	<b>12,570</b>	<b>7,765</b>	<b>5,030</b>	<b>3,485</b>	<b>2,365</b>	<b>5,150</b>	<b>36,365</b>

## **GENERAL FACILITIES and EQUIPMENT**

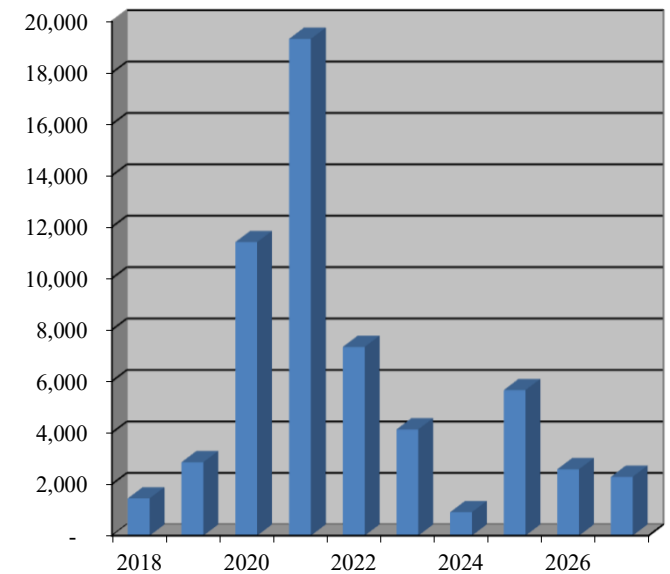
# GENERAL FACILITIES AND EQUIPMENT

## FISCAL YEARS 2022-2027



Amounts in 000's

General Facilities Annual Expenditures



Amounts in 000's

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**General Facilities and Equipment**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-2027</b>
Community Identity Features	-	60	15	15	15	15	15	135
Community Planning	-	-	60	-	50	-	-	110
Equipment and Vehicles	1,435	2,450	1,165	450	1,085	1,330	1,975	8,455
Fire Stations	275	2,700	2,175	-	-	-	-	4,875
Library	355	445	50	50	200	50	50	845
Municipal Center	50	1,505	590	170	170	170	170	2,775
Park Operations Facility	-	-	-	150	4,000	-	-	4,150
Police Headquarters	17,050	-	-	-	-	-	-	-
Safety Center East	105	55	25	25	25	25	25	180
Service Center	50	120	50	50	110	990	50	1,370
<b>Grand Total</b>	<b>19,320</b>	<b>7,335</b>	<b>4,130</b>	<b>910</b>	<b>5,655</b>	<b>2,580</b>	<b>2,285</b>	<b>22,895</b>

**Source of Funds**

Capital Projects Fund	15,835	2,780	175	-	-	-	-	2,955
General Fund	-	-	2,075	165	125	955	15	3,335
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	4,000	-	-	4,000
Equipment Replacement Division	1,410	1,910	1,165	450	1,085	1,330	1,975	7,915
Facilities Maintenance Division	475	260	125	125	275	125	125	1,035
Inter-Governmental Sources	1,250	880	-	-	-	-	-	880
Municipal Center Fund	50	1,505	590	170	170	170	170	2,775
Private Sources	50	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
ECD Fund	250	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>19,320</b>	<b>7,335</b>	<b>4,130</b>	<b>910</b>	<b>5,655</b>	<b>2,580</b>	<b>2,285</b>	<b>22,895</b>

<b>PROJECT</b>	<b>Community Identity Features</b>	<b>Account #</b>	<b>311-45200-5026</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>	Since a decision on the design of new entrance signs has not yet been made, the 2021 funding from the Capital Projects Fund is carried forward to 2022. Funding is allocated in future years for beautification projects as identified.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering								
Construction		60	15	15	15	15	15	135
<b>TOTAL EXPENDITURES</b>	-	60	15	15	15	15	15	135
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		60						60
General Fund			15	15	15	15	15	75
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	-	60	15	15	15	15	15	135

---

---

**JUSTIFICATION**

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

---

---

**PROGRAM AND FACILITY COSTS:**

**Personnel Services  
Operating Expenditures  
Debt Service**

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

**OFFSETTING REVENUE:**

---



## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Community Planning</b>	<b>Account #</b>	<b>311-45200-5009</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 2023 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 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Consultant Services					50			50
Special Census			60					60
<b>TOTAL EXPENDITURES</b>	-	-	60	-	50	-	-	110
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund			60		50			110
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	-	-	60	-	50	-	-	110

---

---

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

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Equipment and Vehicles</b>	<b>Account # 310-43120-89520 (PW), 310-42200-89520 (Fire), 310-44400-89520 (Parks), 310-42100-89520 (Police) 311-45200-00000-5027 (Misc.)</b>	
<b>PROGRAM</b>	<b>General Facilities &amp; Equipment</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works, Fire, Parks, &amp; Police</b>
<b>DESCRIPTION</b>	The replacement of large equipment and apparatus with a value in excess of \$40,000 (including fully equipped patrol cars) is funded from this account. This includes fire apparatus, brush removal trucks, and larger dump trucks. Cars, pickups, and equipment in departments other than Police less than \$40,000 are purchased directly in the operating budget of each department.		
<b>STATUS</b>	FY 2021 funding was originally provided for two (2) Public Works dump trucks and nine (9) Police vehicles. The decision was made mid-year to advance-purchase two (2) grapple trucks to replace two (2) chipper trucks and chipper machines. Equipment was added to the Equipment Replacement Fund with funding from a 2020 FYE General Fund transfer, including: a brush air curtain burner, SCBA air packs, and a mini-excavator. FY 2022 expenditure proposed include two (2) fire engines (\$1.68M), a dump truck (\$115,000), tractor (\$75,000), street sweeper (\$265,000), and nine (9) vehicles in the Police Department (275,000). The latter includes two (2) in Administration and seven (7) in Patrol. Two of the patrol vehicles will be new additions funded by a proposed State grant as is one-half of the fire apparatus for Station 5 and the police department red dot handgun equipment. Expenditures beyond 2022 are largely programmed fleet replacements.		

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Public Works Vehicles/Equipment	705	455	235	50	105	350	565	1,760
Fire Pumper/Ladder	160	1,680			485	360	870	3,395
Parks Equipment	50		140			70		210
Police Vehicles	340	275	790	400	495	550	540	3,050
Misc. Equipment	180	40						40
<b>TOTAL EXPENDITURES</b>	<b>1,435</b>	<b>2,450</b>	<b>1,165</b>	<b>450</b>	<b>1,085</b>	<b>1,330</b>	<b>1,975</b>	<b>8,455</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	25							
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	1,410	1,910	1,165	450	1,085	1,330	1,975	7,915
Facilities Maintenance Division								
Inter-Governmental Sources		540						540
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>1,435</b>	<b>2,450</b>	<b>1,165</b>	<b>450</b>	<b>1,085</b>	<b>1,330</b>	<b>1,975</b>	<b>8,455</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>311-45200-5018</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 planning, acquisition, and construction of a new Fire Station No. 5.

**STATUS** Design work on Station No. 5 on Split Log Road is underway with construction bidding tentatively planned for fall of 2021 with station opening in late calendar year 2022. The total project budget at this stage of design is \$5.95 million, including \$840,000 for the apparatus, which is reflected in the Equipment project of this CIP. Other proposed funding sources for the project include approximately \$2.3 million in available Capital Projects Fund balance from projected savings in the Police HQ project and reallocation of \$1 million in funding that had been reserved for other projects later in the six-year plan. General Fund year-end transfers of excess revenues to the Capital Projects Fund will be required in FY 2021 (\$430,000) and FY 2022 (\$2 million).

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Land Acquisition								
Architectural Services	275	100	25					125
Construction		2,600	2,000					4,600
Facility Maintenance								
Equipment			150					150
<b>TOTAL EXPENDITURES</b>	<b>275</b>	<b>2,700</b>	<b>2,175</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,875</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	275	2,700	175					2,875
General Fund			2,000	-				2,000
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>275</b>	<b>2,700</b>	<b>2,175</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,875</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)	470
Operating Expenditures	60
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>530</u>
---	------------

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Library</b>	<b>Account #</b>	<b>311-45200-5002 312-44800-89600 (Facilities Maintenance)</b>
<b>PROGRAM</b>	<b>General Facilities &amp; Equipment</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Library</b>

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

**STATUS** Funding in FY 2021 included re-roofing of the shingle roof sections and repair of ceiling insulation, security lighting, and cellular boosters. FY 2022 funding includes replacement of the original Trane chiller unit, which is the larger of the two units serving the building (\$160,000) and the building HVAC management system (\$180,000), drainage improvements near the Reading Terrace (\$20,000), handicap accessibility for the doors to the main room (\$10,000), repairs to the exterior doors to Meeting Rooms A and B (\$25,000), and a reserve for extraordinary maintenance items that may arise throughout the year (\$50,000). At the time of CIP preparation, it is anticipated that a State grant will fund the chiller and building management system. Placeholder funding is provided in FY 2025 for possible replacement of the ballasted roof sections (\$200,000).

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Architectural Services								
Construction								
Facility Maintenance	320	445	50	50	200	50	50	845
Equipment	35							
<b>TOTAL EXPENDITURES</b>	<b>355</b>	<b>445</b>	<b>50</b>	<b>50</b>	<b>200</b>	<b>50</b>	<b>50</b>	<b>845</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	35	10						10
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division	320	95	50	50	200	50	50	495
Inter-Governmental Sources		340						340
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	<b>355</b>	<b>445</b>	<b>50</b>	<b>50</b>	<b>200</b>	<b>50</b>	<b>50</b>	<b>845</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>	A space needs analysis and design were funded in FY 2021 for the reprogramming of the space the Police Department will vacate. Placeholder funding of \$1,750,000, inclusive of design and construction, is provided for renovations between FY 2022 and 2023. Funding is also provided in FY 2022 for replacement of the building's Uninterruptible Power Supply (\$40,000). Annual funding of \$150,000 is provided in anticipation of larger repair and maintenance projects to this 35 year-old facility.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Construction		1,400	555	150	150	150	150	2,555
Architectural Services	50	105	35	20	20	20	20	220
Consultant Services								
<b>TOTAL EXPENDITURES</b>	<b>50</b>	<b>1,505</b>	<b>590</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>2,775</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund	50	1,505	590	170	170	170	170	2,775
Private Sources								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	<b>50</b>	<b>1,505</b>	<b>590</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>2,775</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	

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

(improvements increase depreciation expense for the Municipal Center Fund)

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Park Operations Facility</b>	<b>Account #</b>	<b>311-45200-5029</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 \$4.15M has been established for this project, with proposed funding including \$4 million in G.O. bonds to be issued in FY 2025.**

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Planning/Engineering				150	200			350
Buildings, Facilities, etc.					3,800			3,800
Furniture/Equipment								
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>	-	-	-	150	4,000	-	-	4,150
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund				150				150
General Fund (Unrestricted Balance)								
G O Bond Proceeds					4,000			4,000
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	-	-	-	150	4,000	-	-	4,150

---

---

**JUSTIFICATION**

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

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	75
Debt Service	260

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<u>335</u>
(Building operation costs including utilities, maintenance, etc.)	

**OFFSETTING REVENUE:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Police Headquarters</b>	<b>Account #</b>	<b>311-45200-5028</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 will relocate the new facility, including emergency communications. The City will also partner with Williamson County EMS to provide space for an ambulance and crew on-site.		
<b>STATUS</b>	Construction of this facility began in the fall of 2019 and will be complete spring of 2021.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Construction	14,700							
Design/Consultant Services	250							
Furniture and Equipment	2,100							
<b>TOTAL EXPENDITURES</b>	<b>17,050</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	15,500							
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources	1,250							
Municipal Center Fund								
Private Sources	50							
Water and Sewer Fund								
ECD Fund	250							
<b>TOTAL FUNDS</b>	<b>17,050</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</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 will be severely challenged. Police operations are currently split, with patrol functions on the east end of the building and all other functions on the west end of the building. Security for police functions is severely lacking. Consolidation of Police department operations in a new facility would provide operational efficiencies for the department and alleviate space constraints at City Hall.

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	-
Operating Expenditures	400
Debt Service	975

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b><u>1,375</u></b>
--	---------------------

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	Safety Center East	<b>Account #</b>	311-45200-5014 (Safety Center East CIP) 312-42200-89600 (Facilities Maintenance)
<b>PROGRAM</b>	General Facilities & Equipment	<b>RESPONSIBLE DEPARTMENT</b>	Fire (Maintenance)
<b>DESCRIPTION</b>	This project provides for maintenance and improvements to the Safety Center East which includes Fire Station #4, the Police DARE office, a community room, fire training center, Public Works salt storage building, and fuel facility.		
<b>STATUS</b>	This facility experienced two significant unanticipated expenses in FY 2021. Several roof leaks developed, necessitating roof replacement earlier than expected (\$70,000), and pipe failures in the attic fire suppression system required replacement of that system (\$35,000). Both expenses were funded by the Facilities Maintenance Fund. FY 2022 includes providing electrical power to the covered shelter on the drill grounds (\$10,000) and repaving a portion of the parking and drive aisles. The \$10,000 for the power installation is subject to a 2021 FYE transfer of excess revenues from the General Fund to the Capital Projects Fund. Additionally, \$25,000 is provided for extraordinary repair projects that may arise annually.		

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Design Services								
Construction / Equipment		10						10
Facility Maintenance	105	45	25	25	25	25	25	170
<b>TOTAL EXPENDITURES</b>	<b>105</b>	<b>55</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>180</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		10						10
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Fund								
Facilities Maintenance Fund	105	45	25	25	25	25	25	170
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	<b>105</b>	<b>55</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>180</b>

---

---

**JUSTIFICATION**

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

---

---

**PROGRAM AND FACILITY COSTS:**

**Personnel Services  
Operating Expenditures  
Debt Service**

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

**0**

**OFFSETTING REVENUE:**

---



## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	Service Center	<b>Account #</b>	311-45200-5005 312-43170-89600 (Facilities Maintenance)
<b>PROGRAM</b>	General Facilities & Equipment	<b>RESPONSIBLE DEPARTMENT</b>	Public Works
<b>DESCRIPTION</b>	This project provides for periodic improvements to the Service Center on General George Patton Drive. The facility houses the operations for the Public Works, Parks, Water Services and Engineering departments as well as Fire Station No. 3. The site also includes the chipper processing function and one of the City's two salt storage facilities.		
<b>STATUS</b>	Annual funding is provided extraordinary repairs (\$50,000). FY 2022 funding includes an additional \$70,000 for repairs to gutters, building wall joint sealing, and brick repair (\$70,000). FY 2026 includes \$1,000,000 for interior renovations subsequent to the Parks Department relocating to a newly constructed facility. The exact timing and scope of the renovations will be determined at a later date.		

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Design Services					60	40		100
Equipment						900		900
Construction						50	50	370
Facility Maintenance	50	120	50	50	50			
<b>TOTAL EXPENDITURES</b>	50	120	50	50	110	990	50	1,370
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund					60	940		1,000
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division	50	120	50	50	50	50	50	370
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	50	120	50	50	110	990	50	1,370

---

---

**JUSTIFICATION**

**This 28 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):**

---

---

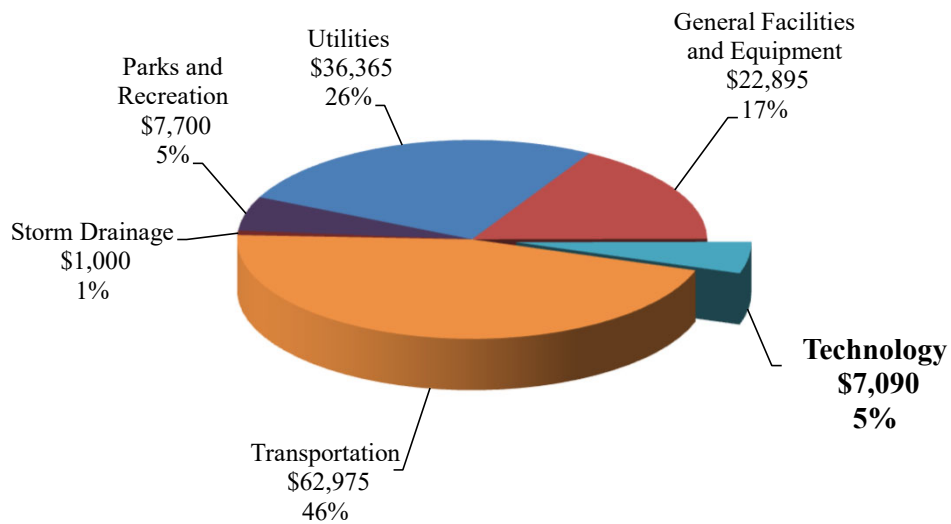
**-****OFFSETTING REVENUE:**

---

**TECHNOLOGY**

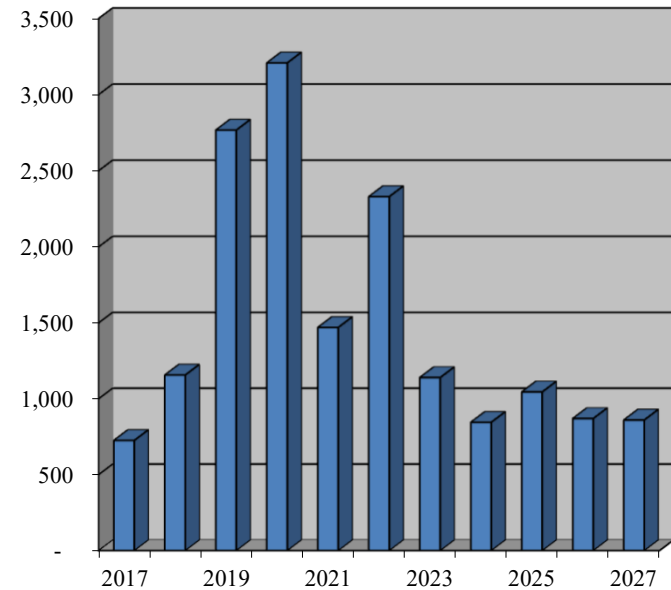
# TECHNOLOGY

## FISCAL YEARS 2022-2027



Amounts in 000's

Technology Annual Expenditures



Amounts in 000's

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**Technology Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-27</b>
Computer Equipment	575	265	955	730	985	845	800	4,580
Emergency Communications Center	-	1,540	-	-	-	-	-	1,540
Fiber Network	225	10	110	-	-	-	-	120
GIS	-	-	-	75	-	-	-	75
Radio System	70	100	-	-	-	-	-	100
Security System	290	100	-	-	-	-	-	100
Software Systems	310	315	40	40	25	25	25	470
Warning Sirens	-	-	35	-	35	-	35	105
<b>Grand Total</b>	<b>1,470</b>	<b>2,330</b>	<b>1,140</b>	<b>845</b>	<b>1,045</b>	<b>870</b>	<b>860</b>	<b>7,090</b>

**Source of Funds**

Capital Projects Fund	845	650	10	-	-	-	-	660
General Fund	-	-	135	45	35	-	35	250
General Fund - Unrestricted Balance	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Equipment Replacement Division	555	195	965	740	950	860	795	4,505
Facilities Maintenance Division	-	-	-	-	-	-	-	-
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Municipal Center Fund	-	-	-	-	-	-	-	-
Water and Sewer Fund	35	5	15	50	25	5	15	115
ECD Fund	35	1,480	15	10	35	5	15	1,560
<b>Grand Total</b>	<b>1,470</b>	<b>2,330</b>	<b>1,140</b>	<b>845</b>	<b>1,045</b>	<b>870</b>	<b>860</b>	<b>7,090</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) 434-00000-16400 (Equipment)</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>	Funding in FY 2021 replaced 113 computers throughout the various departments, plus the video wall at the traffic operations center, and infrastructure components such as switches, firewalls, and phone routers. FY 2022 will provide for replacement of 15 computers (\$28,000) and two external storage devices (\$30,000) in the Library, 6 computers in PD (\$13,000), two computers in Public Works (\$3,000); 5 computers (\$12,000), 2 servers (\$8,000) and a Domain Controller (\$12,000) in Technology, 4 computers (\$7,000) and a large screen monitor (\$3,500) in Traffic Operations, 2 computers (\$5,500) in Engineering, and miscellaneous equipment and computers for BTV and web streaming (\$13,000). Additionally, system infrastructure such as switches, firewalls, and routers will cost \$90,000.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Computer/Hardware/Equipment	575	265	955	730	985	845	800	4,580
GPS Equipment								
Commission Chambers A/V								
<b>TOTAL EXPENDITURES</b>	<b>575</b>	<b>265</b>	<b>955</b>	<b>730</b>	<b>985</b>	<b>845</b>	<b>800</b>	<b>4,580</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	505	125	925	700	925	835	770	4,280
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund	35	5	15	20	25	5	15	85
ECD Fund	35	135	15	10	35	5	15	215
<b>TOTAL FUNDS</b>	<b>575</b>	<b>265</b>	<b>955</b>	<b>730</b>	<b>985</b>	<b>845</b>	<b>800</b>	<b>4,580</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>	Emergency Communications Center	<b>Account #</b>	450-13080
<b>PROGRAM</b>	Technology	<b>RESPONSIBLE DEPARTMENT</b>	Police/Fire/Technology
<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>	The City retained \$145,000 from the CAD system vendor awaiting required CAD-to-CAD functionality. This funding, plus an additional \$50,000, will be used toward a consolidated Brentwood/Williamson County CAD solution. This is shown in FY 2022, as well as relocation of the Emergency Communications Center to the new Police Headquarters. This includes new radio consoles (\$600,000), logging recorder (\$50,000), and system infrastructure (\$125,000). Additionally, \$450,000 will be needed for a new 911 Phone System. Numbers include a 10% contingency. A FY 2021 year-end transfer of excess revenues will be needed to fund the additional \$50,000 for the CAD consolidation.		

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Architecture/Engineering								
Electrical/Generator								
Computer Equipment		850						850
Communication Equipment		495						495
Computer Software		195						195
Construction								
<b>TOTAL EXPENDITURES</b>	-	1,540	-	-	-	-	-	1,540
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		195						195
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund		1,345						1,345
<b>TOTAL FUNDS</b>	-	1,540	-	-	-	-	-	1,540



<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>
----------------------	--

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.

[illegible][illegible][illegible][illegible][illegible]

<b>PROGRAM AND FACILITY COSTS:</b>	
<b>Personnel Services</b>	
<b>Operating Expenditures      (ECD Fund)</b>	<b>0</b>
<b>Debt Service</b>	
	<hr/>
	<hr/> <b>0</b> <hr/>

**OFFSETTING REVENUE:**

<b>PROJECT</b>	<b>Fiber Network</b>	<b>Account #</b>	<b>311-45300-6005</b>
<b>PROGRAM</b>	<b>Technology</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Technology</b>
<b>DESCRIPTION</b>	This program provides for the expansion of the City's fiber optic network which serves both data and voice needs for City operations as well as the traffic signal synchronization system/traffic operations center.		
<b>STATUS</b>	<p>Funding in FY 2021 is for completion of the fiber system expansion to connect the new Police Department headquarters site on Heritage Way to the existing fiber on Concord Road and along I-65. Construction of this expansion was completed in December 2020.</p> <p>FY 2022 funding provides for engineering work 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. Based on the road project schedule, actual installation of fiber is not projected until FY 2023. Note that installation of conduit for underground routing of the fiber is part of the Franklin Road project.</p>		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	5	10						10
Construction	220		110					110
<b>TOTAL EXPENDITURES</b>	<b>225</b>	<b>10</b>	<b>110</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>120</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	225	10	10					20
General Fund			100					100
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>	<b>225</b>	<b>10</b>	<b>110</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>120</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. Dual connection paths to the new Police headquarters and 911 dispatch center is vital to ensure this important public safety facility stays connected to the City's network.**

---

---

**PROGRAM AND FACILITY COSTS:**

<b>Personnel Services</b>	
<b>Operating Expenditures (net)</b>	<b>1</b>
<b>Debt Service</b>	

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

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>GIS</b>	<b>Account #</b>	<b>311-45300-6008</b>
<b>PROGRAM</b>	<b>Technology</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Technology</b>
<b>DESCRIPTION</b>	This project provides for periodic updates to the City's computerized mapping system and aerial photography of the community. When possible, the City tries to work closely with Williamson County and the City of Franklin to partner in the work, thereby reducing the cost for all jurisdictions.		
<b>STATUS</b>	Funding is provided in FY 2024 for an update of both aerial photography and planimetric data. Interim aerial photography updates are expected to be available on a more routine basis through a new subscription service funded in the GIS annual operating budget.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
<b>GIS</b>				75				75
<b>TOTAL EXPENDITURES</b>	-	-	-	75	-	-	-	75
<b>SOURCE OF FUNDS</b>								
<b>Capital Projects Fund</b>								
<b>General Fund</b>				45				45
<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>				30				30
<b>ECD Fund</b>								
<b>TOTAL FUNDS</b>	-	-	-	75	-	-	-	75

---

---

**JUSTIFICATION**

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

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services  
Operating Expenditures  
Debt Service

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

---

**0**

---

**OFFSETTING REVENUE:**

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Radio System</b>	<b>Account #</b>	<b>311-45300-6004</b>
<b>PROGRAM</b>	<b>Technology</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Technology</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	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 2022 funding provides for the final system payment following final coverage testing and acceptance.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering								
Equipment	70	100						100
Construction								
<b>TOTAL EXPENDITURES</b>	<b>70</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	70	100						100
General Fund								
General Fund (Unrestricted Balance)								
G.O. Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	<b>70</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100</b>

---

---

**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 recent 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>	<b>Security System</b>	<b>Account #</b>	<b>311-45300-6016</b>
<b>PROGRAM</b>	<b>Technology</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Technology</b>
<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 2021 provides for completion of the project to replace the ID card software system and hardware. Funding in 2021 also provided for expansion of the license plate reader system at several intersections and installation of park security cameras at Crockett and Granny White Parks as part of parking lot lighting replacements. Additional funding is provided in FY 2022 for this purpose (\$100,000), as needs may be determined.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Card-Swipe Secure Access System	150							
Park and LPR Security Cameras	140	100						100
<b>TOTAL EXPENDITURES</b>	<b>290</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	290	100						100
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	<b>290</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100</b>



---

---

**JUSTIFICATION**

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

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	55
Debt Service	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>55</b>
(Annual LPR Subscription Fees)	

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	Software Systems	<b>Account #</b>	311-45300-6006 (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 2021 funding included upgrading the City's enterprise accounting and HR software package known as GEMS to CitySuite, which is in progress. Of the \$450,000 total, \$200,000 is expected to carry-forward to FY 2022. Also carrying-forward will be \$10,000 of the \$20,000 cost of HR Time and Attendance software. Police evidence management software (\$35,000) will be moved entirely to FY 2022 due to workload demands of the headquarters project. Other expenditures in FY 2022 will include upgrades to VMWare, which is used to create and manage the City's virtual computer environment (\$10,000), and to Veeam, a cloud data backup and recovery software (\$10,000).		

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Miscellaneous Software	25	45	15	15	25	25	25	150
Specialized Department Software	10	45						45
Finance Software	250	200						200
Blade Server Operating Systems	25	25	25	25				75
<b>TOTAL EXPENDITURES</b>	<b>310</b>	<b>315</b>	<b>40</b>	<b>40</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>470</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	260	245						245
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division	50	70	40	40	25	25	25	225
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
<b>TOTAL FUNDS</b>	<b>310</b>	<b>315</b>	<b>40</b>	<b>40</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>470</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:**

---

PROJECT	Warning Sirens	Account #	311-45300-6001
PROGRAM	Technology	RESPONSIBLE DEPARTMENT	Technology
DESCRIPTION	This project provides for periodic expansion of the City's outdoor emergency warning siren system as needed to fill any gaps in coverage area and to serve newly developed areas.		
STATUS	No new locations for additional sirens have been identified at this time. Periodic funding is provided in future years for expansion or replacement sirens as may be needed.		

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
EXPENDITURE ALLOCATION								
Warning Siren			35		35		35	105
TOTAL EXPENDITURES	-	-	35	-	35	-	35	105
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund			35		35		35	105
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	-	-	35	-	35	-	35	105

---

---

**JUSTIFICATION**

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

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	1
Debt Service	

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

**OFFSETTING REVENUE:**

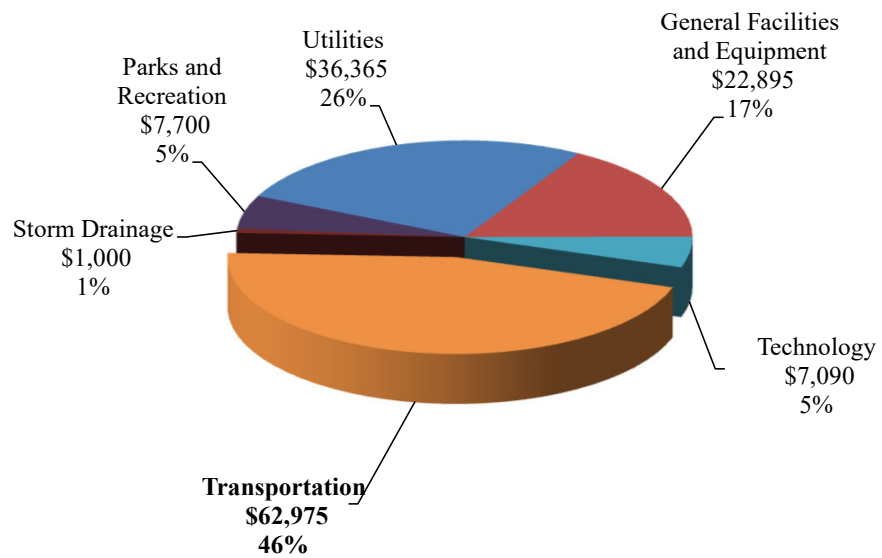
---

**TRANSPORTATION**

---

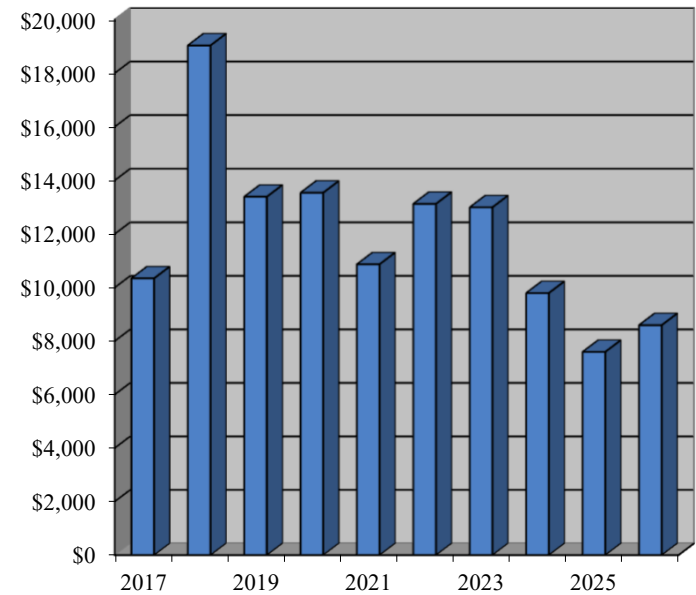
# TRANSPORTATION

## FISCAL YEARS 2022-2027



Amounts in 000's

Transportation Annual Expenditures



Amounts in 000's

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**Transportation**  
**(000's)**

<b>Projects</b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-2027</b>
ADA Retrofits	300	300	540	300	300	300	300	2,040
Bike and Pedestrian	510	360	350	350	350	350	350	2,110
Franklin Road - South	7,130	4,010	-	-	-	-	-	4,010
McEwen Drive	160	370	2,500	3,100	3,700	-	-	9,670
Murray Lane	80	730	440	-	-	-	-	1,170
Ragsdale Road	-	750	4,350	5,900	2,000	-	-	13,000
Street Lighting	-	120	1,800	20	20	20	20	2,000
Street Resurfacing	2,065	2,500	2,600	2,700	2,800	2,800	2,800	16,200
Sunset-Ragsdale Realignment	-	200	-	-	-	-	-	200
Sunset Road Phase 2 (Concord to Ragsdale)	3,130	100	-	-	-	-	-	100
Sunset Road Phase 3 (Ragsdale to Waller)	-	-	150	500	500	4,000	5,000	10,150
Traffic Signal Upgrades	165	1,430	395	125	125	125	125	2,325
<b>Grand Total</b>	<b>13,540</b>	<b>10,870</b>	<b>13,125</b>	<b>12,995</b>	<b>9,795</b>	<b>7,595</b>	<b>8,595</b>	<b>62,975</b>

**Source of Funds**

Capital Projects Fund	4,385	3,385	3,190	100	70	-	-	6,745
General Fund	800	800	3,565	4,045	4,145	3,645	3,645	19,845
General Fund - Unrestricted Balance	-	-	-	3,000	3,000	-	-	6,000
G O Bond Proceeds	-	-	3,900	2,900	-	-	3,000	9,800
Facilities Maintenance Division	60	60	50	50	50	50	50	310
Private Sources	-	-	-	-	630	-	-	630
Public Works Project Fund	-	-	-	1,000	-	2,000	-	3,000
Inter-Governmental Sources	7,495	4,925	620	-	-	-	-	5,545
State Street Aid Fund	800	1,700	1,800	1,900	1,900	1,900	1,900	11,100
Water and Sewer Fund	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>13,540</b>	<b>10,870</b>	<b>13,125</b>	<b>12,995</b>	<b>9,795</b>	<b>7,595</b>	<b>8,595</b>	<b>62,975</b>



<b>PROJECT</b>	<b>ADA Retrofits</b>	<b>Account #</b>	<b>311-43100-1043</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. Note that FY 2022 local funding (\$180,000) is subject to a FY 2021 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering								
Right of Way Acquisition								
Utility Relocation								
Construction	300	300	540	300	300	300	300	2,040
<b>TOTAL EXPENDITURES</b>	<b>300</b>	<b>300</b>	<b>540</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>2,040</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	300	180						180
General Fund			190	300	300	300	300	1,390
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources		120	350					470
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>300</b>	<b>300</b>	<b>540</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>2,040</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>311-43100-1001 &amp; 312-43120-89600</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 separated bikeway segments that are included as part of certain new roadway projects. This project also provides for the periodic repaving of older bikeway sections in parks and along roadways.		
<b>STATUS</b>	FY 2021 funding includes \$370,000 for the Raintree Parkway connector to the Witherspoon subdivision, \$50,000 for asphalt overlay of existing trail segments as needed, \$30,000 for final striping of bike lanes on Granny White Pike, \$50,000 for miscellaneous sidewalk and/or trail work, and \$10,000 for engineering evaluation of pedestrian bridges. Recurring funding of \$350,000 is provided in future years for system expansion and overlays. Note that the City has a pending TDOT grant application for a portion of the planned Franklin Road trail between Murray Lane and Concord Road. If awarded, a portion of the FY 2022 allocation would be used toward the local match. A portion of FY 2022 funding (\$100,000) is subject to a FY 2021 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	55	30	20	20	20	20	20	130
Right of Way Acquisition								
Utility Relocation								
Construction	455	330	330	330	330	330	330	1,980
<b>TOTAL EXPENDITURES</b>	<b>510</b>	<b>360</b>	<b>350</b>	<b>350</b>	<b>350</b>	<b>350</b>	<b>350</b>	<b>2,110</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	450	300						300
General Fund			300	300	300	300	300	1,500
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	60	60	50	50	50	50	50	310
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>510</b>	<b>360</b>	<b>350</b>	<b>350</b>	<b>350</b>	<b>350</b>	<b>350</b>	<b>2,110</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>311-43100-1016</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. City funding (\$500,000) includes a reserve for settlement of the remaining ROW condemnation cases and engineering services related to City oversight of final construction activities. Note that the state funds reflected in this project are a direct state payment to the contractor, and not funds that pass through the City.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	30	90						90
Right of Way Acquisition	100	420						420
Utility Relocation								
Construction	7,000	3,500						3,500
<b>TOTAL EXPENDITURES</b>	<b>7,130</b>	<b>4,010</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,010</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	130	510						510
General Fund								
General Fund (Unrestricted Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources	7,000	3,500						3,500
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>7,130</b>	<b>4,010</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,010</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>McEwen Drive</b>	<b>Account #</b>	<b>311-43100-1033</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 Brentwood's proportionate share of design engineering and construction of the proposed extension of McEwen Drive in Franklin from Wilson Pike to the Taramore subdivision, pursuant to an 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 following adoption of an updated interlocal agreement by both cities. 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 available funds within the Capital Projects Fund that have been reserved for this project, and an approximately \$6.0 million draw down from the undesignated General Fund reserve balance as needed over the term of the project.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	160	370		100	70			540
Right of Way			500					500
Utility Relocation			2,000					2,000
Construction				3,000	3,630			6,630
<b>TOTAL EXPENDITURES</b>	<b>160</b>	<b>370</b>	<b>2,500</b>	<b>3,100</b>	<b>3,700</b>	<b>-</b>	<b>-</b>	<b>9,670</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	160	370	2,500	100	70			3,040
General Fund								
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>160</b>	<b>370</b>	<b>2,500</b>	<b>3,100</b>	<b>3,700</b>	<b>-</b>	<b>-</b>	<b>9,670</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:**

---



<b>PROJECT</b>	<b>Murray Lane</b>	<b>Account #</b>	<b>311-43100-1053</b>
<b>PROGRAM</b>	<b>Transportation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>

**DESCRIPTION** This project provides for improvements to Murray Lane, including its intersection with Holly Tree Gap. This intersection currently functions as a three-way stop, which causes traffic delays during peak commuting and school traffic times. The identified preferred improvement option is construction of a roundabout to eliminate the three-way stop.

**STATUS** Preliminary design work is nearing completion, with final design to follow and then right of way acquisition by later this summer. Given the construction complexities of this project, including significant utility relocations and the potential need to close the intersection for an extended period of time during construction, a targeted construction window has not yet been determined. While cost estimates are preliminary at this time, a total of \$1.25 million has been allocated. This includes an additional \$500,000 from a proposed FY 2021 year-end transfer of General Fund excess revenue to the Capital Projects Fund to supplement the \$500,000 in Public Works Project Fee funding provided in FY 2021 plus \$250,000 in savings from the recently completed Sunset Road project.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	80	40	30					70
Right of Way		40						40
Utility Relocation		150						150
Construction		500	410					910
<b>TOTAL EXPENDITURES</b>	<b>80</b>	<b>730</b>	<b>440</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,170</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	80	730	440					1,170
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>80</b>	<b>730</b>	<b>440</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,170</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 improvement in traffic flow through this intersection.

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	2
Debt Service	

(roundabout landscaping maint.)

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

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Ragsdale Road</b>	<b>Account #</b>	<b>311-43100-1050</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 \$13 million. Initial funding is planned in FY 2022 for beginning design of this project (\$750,000), with right-of-way acquisition (\$1.25 million) and construction (\$10.6 million) beginning in FY 2023. Project completion is expected by the end of FY 2025. Funding is provided by a combination of annual General Fund excess revenue being transferred to the Capital Projects Fund in fiscal years 2022 through 2025, a proposed \$5 million general obligation bond issue in FY 2023, and \$1 million from the Public Work Project Fund. Note that this project is conceptual only with no engineering work completed, so costs and timing will likely need to be adjusted as project implementation begins.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering		750	200	100	100			1,150
Right of Way Acquisition			1,250					1,250
Utility Relocation								
Construction			2,900	5,800	1,900			10,600
<b>TOTAL EXPENDITURES</b>	-	750	4,350	5,900	2,000	-	-	13,000
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		750	250					1,000
General Fund			2,000	2,000	2,000			6,000
General Fund (Unrestricted Balance)								
G O Bond Proceeds			2,100	2,900				5,000
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund				1,000				1,000
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	-	750	4,350	5,900	2,000	-	-	13,000

---

---

**JUSTIFICATION**

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

---

---

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

Personnel Services	
Operating Expenditures	10
Debt Service	345

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>355</u>
---	------------

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	Street Lighting	<b>Account #</b>	311-43100-1030
<b>PROGRAM</b>	Transportation	<b>RESPONSIBLE DEPARTMENT</b>	Public Works

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

**STATUS** No projects were identified in FY 2021. Funding (\$70,000) is provided in FY 2022 for replacement of the seven remaining high mast lighting fixtures at the I-65/Moore's Lane interchange. Maintenance of those fixtures is the City's responsibility, and they are so old that bulbs and other materials are no longer available. Also funded in FY 2022 is the initial study costs (\$50,000) associated with the potential street light retrofit project. Construction funding this project is reflected in FY 2023, pending the results of the study. In addition, future funding is allocated for small scale street light additions if and when they are identified. Funding for the retrofit study in FY 2022 is subject to a FY 2021 General Fund year-end transfer of excess revenues to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Engineering		50						50
Construction		70	1,800	20	20	20	20	1,950
<b>TOTAL EXPENDITURES</b>	-	120	1,800	20	20	20	20	2,000
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		120						120
General Fund				20	20	20	20	80
General Fund (Unreserved Balance)								
G O Bond Proceeds			1,800					1,800
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	-	120	1,800	20	20	20	20	2,000

---

---

**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:**

<b>Personnel Services</b>	
<b>Operating Expenditures</b>	
<b>Debt Service</b>	<b>124</b>

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>124</b>
--	------------

**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 2022 funding level is proposed at \$2.5 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 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Professional Services								
Construction	2,065	2,500	2,600	2,700	2,800	2,800	2,800	16,200
<b>TOTAL EXPENDITURES</b>	<b>2,065</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>16,200</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund	800	800	800	800	900	900	900	5,100
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources	465							
State Street Aid Fund	800	1,700	1,800	1,900	1,900	1,900	1,900	11,100
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>2,065</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>16,200</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  
Debt Service

(annual resurfacing helps reduce routine  
maintenance expenses)

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

---

---

**0**

**OFFSETTING REVENUE:**

---



## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	Sunset-Ragsdale Realignment	<b>Account #</b>	311-43100-1027
<b>PROGRAM</b>	Transportation	<b>RESPONSIBLE DEPARTMENT</b>	Public Works
<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 remaining right of way condemnation cases for this project.		

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<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>	311-43100-1051
<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 is now complete with the final cost projected at \$8.45 million, approximately \$500,000 less than original estimates. Final funding is shown in FY 2022 as a reserve for settlement of remaining right-of-way condemnation cases.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	55							
Right of Way Acquisition		100						100
Utility Relocation								
Construction	3,075							
<b>TOTAL EXPENDITURES</b>	<b>3,130</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	3,130	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>	<b>3,130</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100</b>

---

---

**JUSTIFICATION**

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

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	3
Debt Service	

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

**OFFSETTING REVENUE:**

---

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

**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.

**STATUS**

No engineering design work has begun for this project, but an initial budget of \$10.1 million has been established. An initial payment to the Town of Nolensville is programmed in FY 2023 for the City's contribution toward intersection improvements at Waller Road, subject to completion of design plans. Initial engineering design work for the widening project is planned in FY 2024, with right-of-way acquisition in FY 2025 and construction in FY's 2026-2027. Funding would be a combination of General Fund transfers (\$5,150,000), Public Works Project Fees (\$2,000,000), and G.O. Bonds (\$3,000,000).

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering				500				500
Right of Way Acquisition					500			500
Utility Relocation								
Construction			150			4,000	5,000	9,150
<b>TOTAL EXPENDITURES</b>	-	-	150	500	500	4,000	5,000	10,150
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund			150	500	500	2,000	2,000	5,150
General Fund (Unreserved Balance)								
G O Bond Proceeds							3,000	3,000
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>	-	-	150	500	500	4,000	5,000	10,150

---

---

**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 up to 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	5
Operating Expenditures	
Debt Service	415

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>420</u>
---	------------

**OFFSETTING REVENUE:**

---

<b>PROJECT</b>	<b>Traffic Signal Upgrades</b>	<b>Account #</b>	<b>311-43100-1007</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 2022 include replacement of school signal poles on Crockett Road and Concord Road, a new traffic cabinet at Moore's Lane and Mooreland, four new traffic controllers as part of a systematic replacement program, and purchase of a spare video detection system. Intergovernmental funding is reflected in FY's 2022 and 2023 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 2022 local funding (\$125,000) is subject to a FY 2021 year-end appropriation of excess revenues from the General Fund to the Capital Projects Fund.		

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Engineering	30	350	45					395
Equipment Upgrades	135	125	125	125	125	125	125	750
Extraordinary Repairs								
Construction		955	225					1,180
<b>TOTAL EXPENDITURES</b>	<b>165</b>	<b>1,430</b>	<b>395</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>2,325</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	135	125						125
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	30	1,305	270					1,575
State Street Aid Fund								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>165</b>	<b>1,430</b>	<b>395</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>2,325</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:**

Personnel Services	
Operating Expenditures	10
Debt Service	

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

**OFFSETTING REVENUE:**

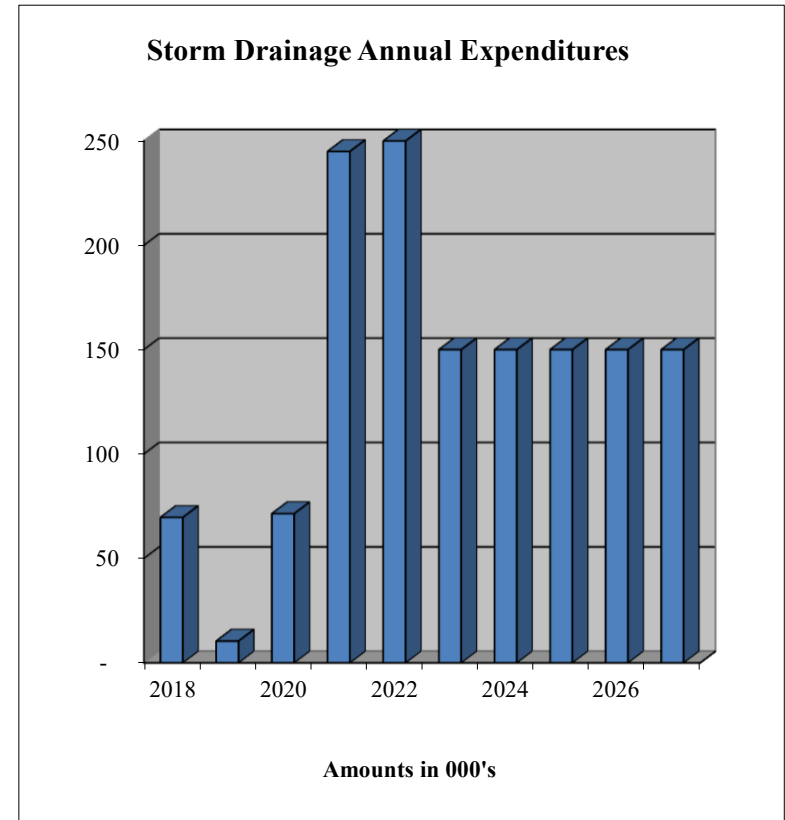
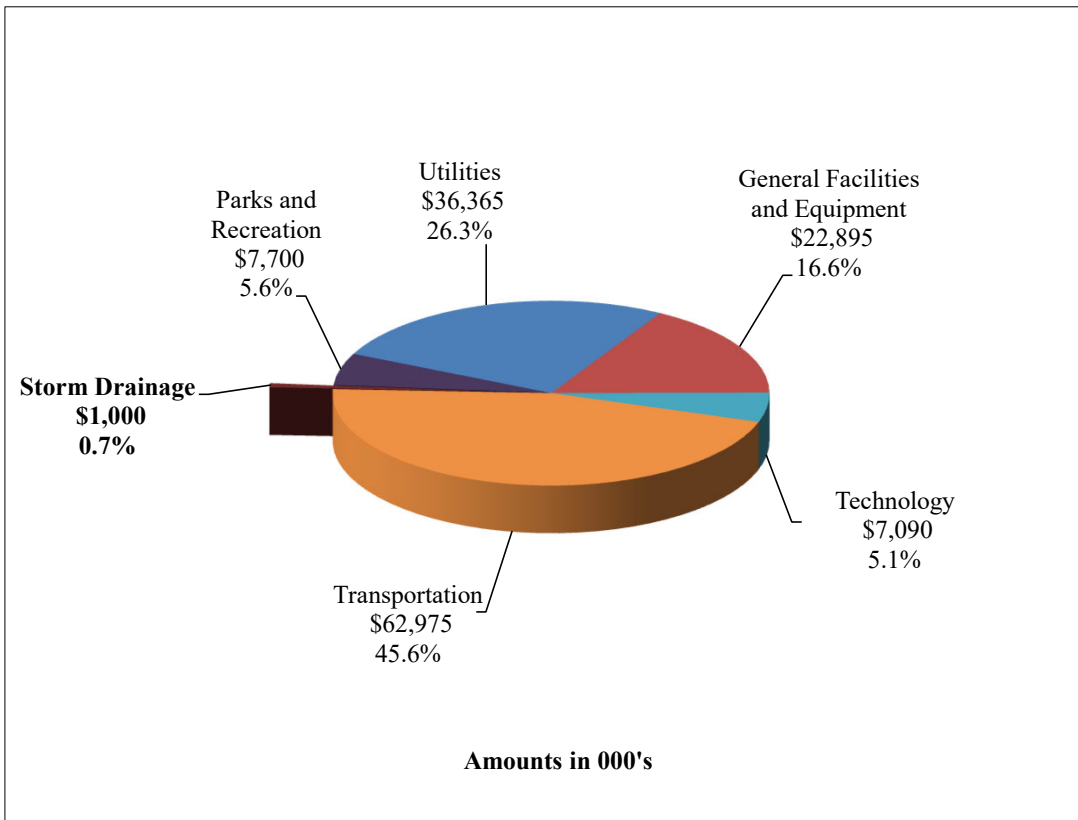
---



**STORM DRAINAGE**

# STORM DRAINAGE

## FISCAL YEARS 2022-2027



**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**Storm Drainage Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-2027</b>
Derby Glen	175	-	-	-	-	-	-	-
Subdivision Drainage	70	150	150	150	150	150	150	900
Tara Drive	-	100	-	-	-	-	-	100
<b>Grand Total</b>	<b>245</b>	<b>250</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>1,000</b>

<b><u>Source of Funds</u></b>								
Capital Projects Fund	175	200	-	-	-	-	-	200
General Fund	70	50	150	150	150	150	150	800
G O Bond Proceeds	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>245</b>	<b>250</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>1,000</b>

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Derby Glen</b>	<b>Account #</b>	<b>311-43150-2007</b>
<b>PROGRAM</b>	<b>Storm Drainage</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>
<b>DESCRIPTION</b>	<b>This project will slip-line approximately 260 feet of 54" corrugated metal pipe that crosses private property close to a home via an easement at 206 Derby Glen.</b>		
<b>STATUS</b>	<b>This project was completed in summer of 2020.</b>		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
<b>Engineering Services</b>								
<b>Construction</b>	<b>175</b>							
<b>TOTAL EXPENDITURES</b>	<b>175</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>SOURCE OF FUNDS</b>								
<b>Capital Projects Fund</b>	<b>175</b>							
<b>General Fund</b>								
<b>G O Bond Proceeds</b>								
<b>TOTAL FUNDS</b>	<b>175</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>			<b>-</b>

---

---

**JUSTIFICATION**

The existing pipe has a 30-year life, and was installed in 1988. It is in fair condition, making it a good candidate for slip-lining. This will avoid much more costly replacement/re-routing in the future if the pipe were to fail.

---

---

**PROGRAM AND FACILITY COSTS:**

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

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

---

---

**0****OFFSETTING REVENUE:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Subdivision Drainage</b>	<b>Account #</b>	<b>110-43150-89440; 311-43150-2016</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 miscellaneous, minor storm drainage problems as identified by complaints and field inspection throughout the year.		
<b>STATUS</b>	In order to minimize property damage and clean-up/restoration efforts, this work is typically done in the drier, summer months. Beginning in FY 2022, additional annual funding of \$100,000 is provided to allow for an increased emphasis on the rehabilitation/replacement of aging storm drainage infrastructure, including corrugated metal piping. This annual \$100,000 increase is subject to the availability of year-end excess General Fund revenues to be transferred to the Capital Projects Fund beginning in FY 2021.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering Services								
Construction	70	150	150	150	150	150	150	900
<b>TOTAL EXPENDITURES</b>	<b>70</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>900</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		100						100
General Fund	70	50	150	150	150	150	150	800
G O Bond Proceeds								
<b>TOTAL FUNDS</b>	<b>70</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>900</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 and has reduced the number of drainage complaints from property owners in recent years.

---

---

**PROGRAM AND FACILITY COSTS:**

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

ANNUAL OPERATING BUDGET IMPACT (000'S):

---

---

0

**OFFSETTING REVENUE:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Tara Drive</b>	<b>Account #</b>	<b>311-43150-00000-2017</b>
<b>PROGRAM</b>	<b>Storm Drainage</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Public Works</b>
<b>DESCRIPTION</b>	This project will repair 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 will be done by a pipe lining contractor who will install a stainless steel wire mesh covered in gunite concrete. This method will create a new pipe within the old failed pipe, and should last 50 or more years.		
<b>STATUS</b>	Drainage work will typically be scheduled for the drier, summer months. This work is expected to be complete by June 30, 2022. Planned funding for this project includes a FY 2021 year-end transfer of \$50,000 in excess revenues, as well as \$50,000 in fund balance from the Capital Projects Fund.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering Services								
Construction		100						100
<b>TOTAL EXPENDITURES</b>	-	100	-	-	-	-	-	100
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		100						100
General Fund								
G O Bond Proceeds								
<b>TOTAL FUNDS</b>	-	100	-	-	-	-	-	100



---

---

**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**

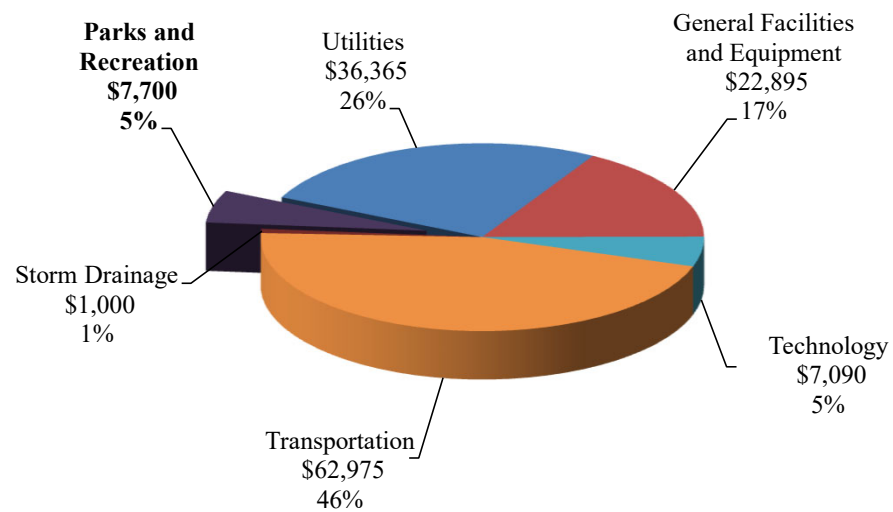
**OFFSETTING REVENUE:**

---

**PARKS and RECREATION**

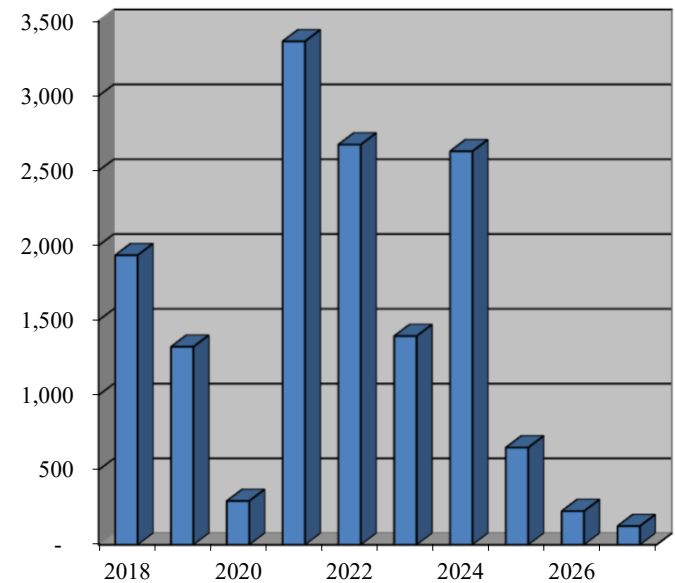
# PARKS AND RECREATION

FISCAL YEARS 2022-2027



Amounts in 000's

**Parks & Recreation Annual Expenditures**



Amounts in 000's

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Years 2022 - 2027**  
**Parks and Recreation Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b>Projected FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>Total 6 Years 2022-2027</b>
Crockett Park	80	1,070	560	1,050	525	75	75	3,355
Deerwood Arboretum	10	-	50	-	75	-	-	125
Flagpole and Wikle	-	30	-	15	-	-	-	45
Granny White Park	230	1,265	30	50	50	50	50	1,495
Marcella Vivrette Smith Park	290	65	45	15	-	100	-	225
Maryland Way Park	20	-	-	-	-	-	-	-
Owl Creek Park	-	80	60	-	-	-	-	140
Margaret Powell Park	-	10	-	-	-	-	-	10
River Park	70	-	-	-	-	-	-	-
Tower Park	45	25	-	-	-	-	-	25
Windy Hill Park	2,620	130	650	1,500	-	-	-	2,280
<b>Grand Total</b>	<b>3,365</b>	<b>2,675</b>	<b>1,395</b>	<b>2,630</b>	<b>650</b>	<b>225</b>	<b>125</b>	<b>7,700</b>

**Source of Funds**

Capital Projects Fund	1,820	1,520	650	1,500	-	-	-	3,670
General Fund	-	-	375	975	525	100	-	1,975
General Fund - Unrestricted Balance	1,000	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Facilities Maintenance Division	370	480	370	155	125	125	125	1,380
Private Sources	175	675	-	-	-	-	-	675
Inter-Governmental Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>3,365</b>	<b>2,675</b>	<b>1,395</b>	<b>2,630</b>	<b>650</b>	<b>225</b>	<b>125</b>	<b>7,700</b>

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Crockett Park</b>	<b>Account #</b>	<b>311-44400-3001</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 2021 projects included replacement bleachers and soccer goals. Maintenance projects in FY 2022 include amphitheater items, updating entrance sign (\$10,000), sinkhole repair by Woodland MPF (\$10,000), Four Plex 2 sewer repair (\$20,000) and roof painting (\$15,000), and continued bleacher replacement (\$60,000). Funding is also shown for a turf field partnership project with the Brentwood Ball Club (\$500,000 City/\$400,000 Club) subject to Commission approval and a FY 2021 FYE transfer of excess revenues to the Capital Projects Fund of \$500,000. FY 2023 includes lighting at the Woodland fields (\$375,000) & start of parking lot resurfacing (\$75,000). Development of an inclusive playground (\$800,000) and community playground replacement (\$175,000) are programmed in FY 2024, and amphitheater roof replacement is shown in FY 2025 (\$450,000).		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Fields, Courts etc.		900						900
Buildings, Facilities, etc.		110	500	1,050	525	75	75	2,335
Furniture/Equipment	80	60	60					120
Landscaping/Trees								
Utilities								
<b>TOTAL EXPENDITURES</b>	<b>80</b>	<b>1,070</b>	<b>560</b>	<b>1,050</b>	<b>525</b>	<b>75</b>	<b>75</b>	<b>3,355</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		500						500
General Fund			375	975	450			1,800
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	80	170	185	75	75	75	75	655
Private Sources		400						400
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>80</b>	<b>1,070</b>	<b>560</b>	<b>1,050</b>	<b>525</b>	<b>75</b>	<b>75</b>	<b>3,355</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:**

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Deerwood Arboretum</b>	<b>Account #</b>	<b>311-44400-3008</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**                               Restroom heaters were installed in FY 2021. Bridge decking replacement is tentatively scheduled for FY 2023 (\$40,000), and funding is provided for building maintenance in 2023 (\$10,000). Placeholder funding is provided in FY 2025 for the possible addition of parking spaces along the entrance road (\$75,000).

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering					15			15
Fields, Courts etc.								
Buildings, Facilities, etc.	10	-	50		60			110
Furniture/Equipment								
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>	<b>10</b>	<b>-</b>	<b>50</b>	<b>-</b>	<b>75</b>	<b>-</b>	<b>-</b>	<b>125</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	10							
General Fund					75			75
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>	<b>10</b>	<b>-</b>	<b>50</b>	<b>-</b>	<b>75</b>	<b>-</b>	<b>-</b>	<b>125</b>

---

---

**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>311-44400-3013</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>	Construction was completed in the fall of 2016. Funding is provided in FY 2022 for construction of a small shade pavilion structure within the playground area, subject to a 2021 FYE transfer of excess revenues from the General Fund to the Capital Projects Fund (\$30,000). The only additional project planned at Wikle and Flagpole is painting of the buildings, which is shown in FY 2024 (\$15,000).		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering								
Buildings, Facilities, etc.		30		15				45
Off-Site Improvements								
Equipment								
<b>TOTAL EXPENDITURES</b>	-	30	-	15	-	-	-	45
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund		30						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>	-	30	-	15	-	-	-	45

---

---

**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>311-44400-3003</b>
<b>PROGRAM</b>	<b>Parks and Recreation</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Parks and Recreation</b>

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

**STATUS** Projects in FY 2021 included replacement of ballfield sideline netting, lighting replacements at the tennis center, bleacher replacement, and design for the inclusive playground (\$75,000). Playground construction totaling \$1 million and \$75,000 for relocation of the existing playground is shown in FY 2022 with \$250,000 projected in private funding and \$770,000 subject to a FY 2021 year-end transfer of excess revenue. Resurfacing of the parking lot (\$145,000) & basketball court (\$5,000) and replacement fencing (\$10,000) are also scheduled in FY 2022. Painting of the building roofs will occur in FY 2023 at a cost of \$30,000. 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 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Fields, Courts etc.		5						5
Buildings, Facilities, etc.	185	1,260	30	50	50	50	50	1,490
Furniture/Equipment	45							
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>	<b>230</b>	<b>1,265</b>	<b>30</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>1,495</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	75	850						850
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	155	165	30	50	50	50	50	395
Private Sources		250						250
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>230</b>	<b>1,265</b>	<b>30</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>1,495</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	30
Debt Service	
(Inclusive playground surfacing will require future replacement funding)	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>30</u>
---	-----------

OFFSETTING REVENUE:	<u>          </u>
	<u>          </u>

<b>PROJECT</b>	<b>Marcella Vivrette Smith Park</b>	<b>Account #</b>	<b>311-44400-3015</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 2021 projects included the maintenance barn and repairs at Ravenswood Mansion. FY 2022 includes adding heaters to the barn restroom and concrete to the outside of the barn (\$10,000), interior and exterior non-event related repairs at Ravenswood (\$45,000). Minor improvements such as painting and fence replacement occur in the planning period. 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 for the 2022 barn heaters and concrete, and Ravenswood Mansion improvements, are subject to FYE excess revenue transfers from the General Fund to the Capital Projects Fund (\$10,000) and Facilities Maintenance Fund (\$45,000).		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Planning/Engineering						100		100
Park Land Acquisition								
Construction/Development	245							
Historic Structure Repair/Reno.	45	45	45					90
Facilities Maintenance		20		15				35
<b>TOTAL EXPENDITURES</b>	<b>290</b>	<b>65</b>	<b>45</b>	<b>15</b>	<b>-</b>	<b>100</b>	<b>-</b>	<b>225</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	245	10						10
General Fund						100		100
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	45	55	45	15				115
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>290</b>	<b>65</b>	<b>45</b>	<b>15</b>	<b>-</b>	<b>100</b>	<b>-</b>	<b>225</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. Replacement of the maintenance barn provides parks staff with a safer and more suitable facility from which to conduct daily operations.**

---

---

**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><u>2</u></b>
--	-----------------

**OFFSETTING REVENUE:**

---

## PROJECT

Margaret Powell Park

Account #

311-44400-3016

## 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

No projects were planned for FY 2021. FY 2022 includes 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 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Engineering								
Buildings, Facilities, etc.		10						10
<b>TOTAL EXPENDITURES</b>	-	10	-	-	-	-	-	10
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		10						10
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	-	10	-	-	-	-	-	10

---

---

**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:**

---



## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Maryland Way Park</b>	<b>Account #</b>	<b>311-44400-3011</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 minor improvements to this 7 acre urban green space located adjacent to Maryland Way in the eastern section of the Maryland Farms Office Center.		
<b>STATUS</b>	In FY 2021, construction of a pedestrian plaza connection to the stairway within the Hill Center commercial development was completed.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Architecture/Engineering								
Fields, Courts etc.								
Buildings, Facilities, etc.	10							
Furniture/Equipment	10							
Landscaping/Trees								
Repaving/Repairs Trail								
<b>TOTAL EXPENDITURES</b>	<b>20</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	20							
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>20</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

---

---

**JUSTIFICATION**

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

---

---

**PROGRAM AND FACILITY COSTS:**

Personnel Services	
Operating Expenditures	1
Debt Service	

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

OFFSETTING REVENUE:	<u>          </u>
	<u>          </u>

---

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Owl Creek Park</b>	<b>Account #</b>	<b>311-44400-3006</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**                                No projects were planned for FY 2021. FY 2022 includes funding for the dredging of the retention pond (\$30,000), total replacement of playground mulch (\$10,000), and repairs to the footbridge identified by a FY 2021 bridge inspection (\$40,000). Resurfacing of the parking lot (\$60,000) is funded in FY 2023. Future years will be programmed as needed to ensure the facilities are maintained to high standards.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Planning/Engineering								
Buildings, Facilities, etc.		80	60					140
Furniture/Equipment								
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>	-	80	60	-	-	-	-	140
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		80	60					140
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	-	80	60	-	-	-	-	140

---

---

**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:**

---

<b>PROJECT</b>	<b>River Park</b>	<b>Account #</b>	<b>311-44400-3002</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 2021 projects included repair of restroom building roof eaves, replacement of restroom door frames, replacement of basketball backboards, and basketball court resurfacing. Future projects will be programmed as needed to enhance the aesthetics of this small, but popular park.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Buildings, Facilities, etc.	50							
Furniture/Equipment	10							
Landscaping/Trees	10							
<b>TOTAL EXPENDITURES</b>	<b>70</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	70							
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>70</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

---

---

**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>311-44400-3004</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 2021 projects included improving the drainage behind the restroom facilities. Also included is FY 2021 & 2022 funding for improvements to Miss Peggy's Bark Park including drainage, grass coverage, and overall aesthetics of the dog park. Dog park expenses will be funded by contributions from Brentwood Green Space.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Fields, Courts etc.	20							
Buildings, Facilities, etc.	25	25						25
Furniture/Equipment								
Landscaping/Trees								
<b>TOTAL EXPENDITURES</b>	<b>45</b>	<b>25</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	20							
Private Sources	25	25						25
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>45</b>	<b>25</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25</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	2
Debt Service	

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

**OFFSETTING REVENUE:**

---



## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Windy Hill Park</b>	<b>Account #</b>	<b>311-44400-3012</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** The final payment for the property (\$2.6 million) was completed in FY 2021. Other funding in FY 2021 (\$50,000) provides for installation of fencing and buffer landscaping. Proposed development of the park has been moved up approximately 18 months with master planning to begin spring of 2022. The tentative schedule would have construction begin spring of 2023 with completion by the end of calendar year 2023 (FY 2024). Proposed funding includes \$1 million in Adequate Facilities Tax revenues and \$1.25 million in General Fund excess revenues projected over the next three FY's, including \$100,000 in a FY 2021 year-end transfer.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Acquisition	2,600							
Planning/Engineering		100	50					150
Buildings, Facilities, etc.			600	1,500				2,100
Furniture/Equipment	20							
Landscaping/Trees		30						30
<b>TOTAL EXPENDITURES</b>	<b>2,620</b>	<b>130</b>	<b>650</b>	<b>1,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,280</b>
<b>SOURCE OF FUNDS</b>								
Capital Projects Fund	1,470	130	650	1,500				2,280
General Fund								
General Fund (Unreserved Balance)	1,000							
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources	150							
Inter-Governmental Sources								
Water and Sewer Fund								
<b>TOTAL FUNDS</b>	<b>2,620</b>	<b>130</b>	<b>650</b>	<b>1,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,280</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)

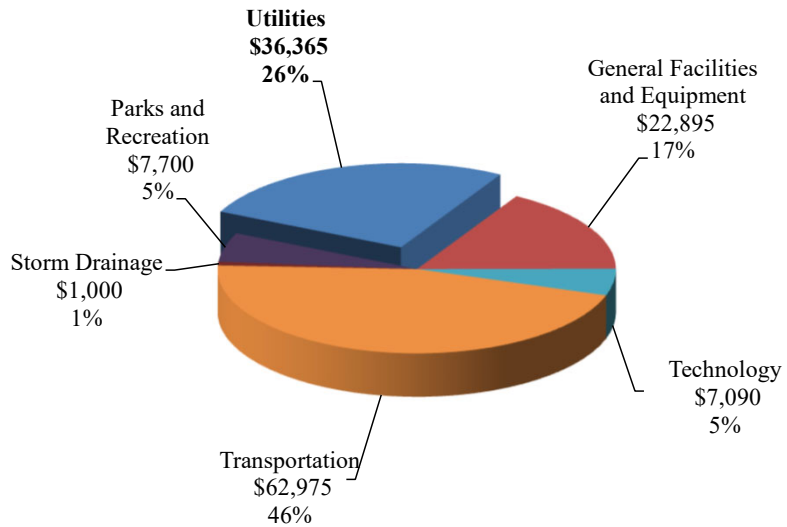
**OFFSETTING REVENUE:**

---

## UTILITIES

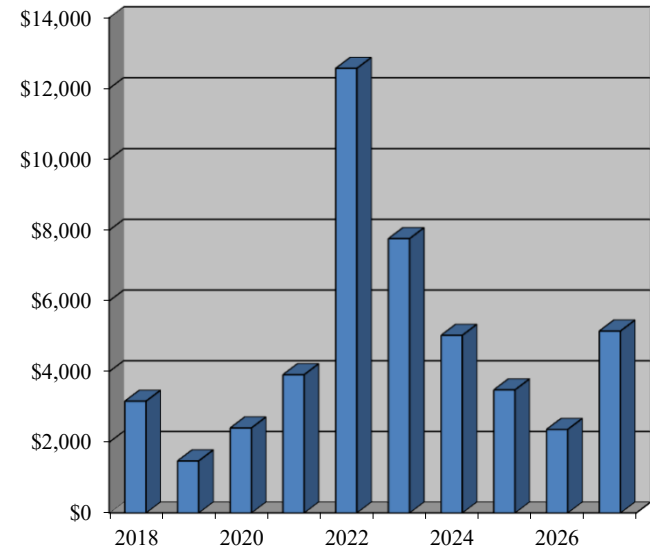
# UTILITIES

## FISCAL YEARS 2022-2027



Amounts in 000's

Utilities Annual Capital Expenditures



Amounts in 000's

**City of Brentwood, Tennessee**  
**Capital Improvements Program**  
**Fiscal Year 2022 - 2027**  
**Water and Sewer Program - Summary**  
**(000's)**

<b><u>Projects</u></b>	<b><u>Projected 2021</u></b>	<b><u>FY 2022</u></b>	<b><u>FY 2023</u></b>	<b><u>FY 2024</u></b>	<b><u>FY 2025</u></b>	<b><u>FY 2026</u></b>	<b><u>FY 2027</u></b>	<b><u>Total 6 Years 2022-2027</u></b>
Miscellaneous Sewer Service Additions	-	175	370	45	45	45	45	725
Miscellaneous Sewer System Improvements	255	110	110	110	110	110	110	660
Miscellaneous Water System Improvements	165	75	110	110	110	110	110	625
Sewer Rehabilitation Program	305	670	1,125	1,125	1,075	575	575	5,145
Sewer System Capacity Improvements	1,370	8,100	2,050	-	-	200	1,750	12,100
Sewer Lift Station Rehabilitation	10	865	550	-	-	-	-	1,415
Water Line Replacement Program	200	2,475	2,500	1,675	100	1,150	1,150	9,050
Water System Capacity Improvements	1,610	100	950	1,965	2,045	175	1,410	6,645
<b>Grand Total</b>	<b>3,915</b>	<b>12,570</b>	<b>7,765</b>	<b>5,030</b>	<b>3,485</b>	<b>2,365</b>	<b>5,150</b>	<b>36,365</b>

**Source of Funds**

Water and Sewer Fund	935	4,830	5,300	3,020	1,395	2,145	3,695	20,385
Water Tap Fees and NCGUD Tap Fees	1,610	100	950	1,965	2,045	175	1,410	6,645
Sewer Tap Fees	1,165	1,380	1,205	40	40	40	40	2,745
Private Sources	-	45	-	5	5	5	5	65
Inter-Governmental Sources	205	1,215	310	-	-	-	-	1,525
Water and Sewer Bond/Note Proceeds	-	5,000	-	-	-	-	-	5,000
<b>Grand Total</b>	<b>3,915</b>	<b>12,570</b>	<b>7,765</b>	<b>5,030</b>	<b>3,485</b>	<b>2,365</b>	<b>5,150</b>	<b>36,365</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. Past projects have included neighborhoods such as Brenthaven, Holly Tree Gap area, Carondelet and Meadowlake.

**STATUS** The next planned large scale project is for the Franklin Road South corridor from Holly Tree Gap Rd to near Willowick Drive. Area residents have been sent participation surveys to gauge interest in financial commitments. Per City Code, majority participation from area homeowners is required, which was confirmed in January, 2021. Design work is anticipated to begin in FY 2022. Construction will begin near the end of the road widening work.

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Engineering	-	45	20	5	5	5	5	85
Construction	-	100	350	40	40	40	40	610
Property/Easement Acquisition	-	30						30
<b>TOTAL EXPENDITURES</b>	-	175	370	45	45	45	45	725
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund								
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees	-	130	370	40	40	40	40	660
Private Sources	-	45	-	5	5	5	5	65
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
<b>TOTAL FUNDS</b>	-	175	370	45	45	45	45	725

---

---

**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>	
(Based on estimated \$68,900 per \$1M issued on 20-year bonds)	

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

<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** Funding in FY 2021 provided for the replacement of approximately 500 feet of sewer line along Wilson Pike and a sewer service line in Church Street. Funding in FY 2022 will include an investigation of a problematic sewer line serving the Willowick Subdivision, located behind 7010 Willowick Drive. The problematic section of sewer line causes backups and requires a high level of maintenance. Based on the results of the investigation and estimated repair cost, work may be initiated in late FY 2022.

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Engineering	10	10	10	10	10	10	10	60
Construction	205	100	100	100	100	100	100	600
Property/Easement Acquisition	40							
<b>TOTAL EXPENDITURES</b>	<b>255</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>660</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund	255	110	110	110	110	110	110	660
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>255</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>660</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 \$68,900 per \$1M issued on 20-year bonds)	

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

**OFFSETTING REVENUE:**

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

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

**STATUS** Annual funding is programmed to handle smaller projects that may arise each year. FY 2021 included water system improvements in the Willowick neighborhood. Funds allocated in FY 2022 and future years will be used to extend fiber and power to water tank sites and pumping station sites that are located near the City's fiber network. Fiber connections to these satellite sites provide for enhanced communications via the Department's SCADA/Telemetry system. Sites are now either radio (older sites), IP-Network, or fiber. The first location planned for FY 2022 will be the Split Log Road water pumping station and tank site, both of which have City fiber is nearby. Future sites include the Longstreet and Robert E. Lee water stations and the Robert E. Lee water tank.

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Engineering	30	5	10	10	10	10	10	55
Construction	135	70	100	100	100	100	100	570
Property/Easement Acquisition								
<b>TOTAL EXPENDITURES</b>	<b>165</b>	<b>75</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>625</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund	165	75	110	110	110	110	110	625
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>165</b>	<b>75</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>625</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  
Debt Service**

**(Based on estimated \$68,900 per \$1M issued on 20-year bonds)**

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

---

---

**OFFSETTING REVENUE:**

## CITY OF BRENTWOOD, TENNESSEE

## CAPITAL IMPROVEMENTS PROGRAM

<b>PROJECT</b>	<b>Sewer Rehabilitation Program</b>	<b>Account #</b>	<b>412-16700-8023</b>
<b>PROGRAM</b>	<b>Utilities</b>	<b>RESPONSIBLE DEPARTMENT</b>	<b>Water Services</b>
<b>DESCRIPTION</b>	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.		
<b>STATUS</b>	In FY 2021, the Department completed approximately 60,000 feet of system smoke testing. In addition to the completed smoke testing, ongoing CCTV and flow monitoring data continues to be evaluated by the project engineers. Funding each year and projects selected will be based on recommendations from BARGE engineers annual flow monitoring analysis.		

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering/Inspection	105	170	125	125	75	75	75	645
Construction	200	500	1,000	1,000	1,000	500	500	4,500
Land Acquisition								
<b>TOTAL EXPENDITURES</b>	<b>305</b>	<b>670</b>	<b>1,125</b>	<b>1,125</b>	<b>1,075</b>	<b>575</b>	<b>575</b>	<b>5,145</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund	305	670	1,125	1,125	1,075	575	575	5,145
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>305</b>	<b>670</b>	<b>1,125</b>	<b>1,125</b>	<b>1,075</b>	<b>575</b>	<b>575</b>	<b>5,145</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 \$68,900 per \$1M issued on 20-year bonds)	

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

**OFFSETTING REVENUE:**

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

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

**STATUS** Funds are programmed in anticipation of initiating projects recommended from the Sewer System Master Plan prepared by Hazen Engineers. The most notable project identified in the plan includes construction of the Metro/Brentwood pump station storage facility required to improve the management of wet weather peak flows. The storage facility and related infrastructure are estimated to cost approximately \$11.0 million, with Metro-Nashville responsible for their flow proportionate share, currently at 15%. This project will require issuance of bonds in FY 2022. Funds are programmed in future years for continued implementation of recommended projects in the master plan, which includes initiation of the second recommended storage tank.

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
<b>EXPENDITURE ALLOCATION</b>								
Engineering	600	600	150	-	-	200	1,500	2,450
Construction	-	7,500	1,900	-	-			9,400
Property/Easement Acquisition	770	-	-	-	-		250	250
<b>TOTAL EXPENDITURES</b>	<b>1,370</b>	<b>8,100</b>	<b>2,050</b>	<b>-</b>	<b>-</b>	<b>200</b>	<b>1,750</b>	<b>12,100</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund	-	635	905	-		200	1,750	3,490
Water Tap Fees and NCG Tap Fees								
Sewer Tap Fees	1,165	1,250	835					2,085
Private Sources								
Inter-Governmental Sources	205	1,215	310					1,525
Water & Sewer Bond/Note Proceeds		5,000						5,000
<b>TOTAL FUNDS</b>	<b>1,370</b>	<b>8,100</b>	<b>2,050</b>	<b>-</b>	<b>-</b>	<b>200</b>	<b>1,750</b>	<b>12,100</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	345
(Based on estimated \$68,900 per \$1M issued on 20-year bonds)	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<b>395</b>
--	------------

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

**STATUS** Funds in FY 2021 were used to finalize the evaluation of options for the Arden Woods and Scales School sewer lift stations project. As was discussed last CIP work session, options being evaluated include possibly abandoning the Arden Woods lift station located at 6402 Fisher Ct. and connecting the area sewers that discharge to that station to a new gravity sewer which would be constructed along Fisher Ct. and connected to an existing sewer located on Scales School property or upgrading both stations. Abandoning the Arden Woods station would eliminate a problematic station that is the source of numerous area complaints from residents. The estimated capital cost increase to abandon the AW station over upgrading both stations, is approximately \$300,000.

<b>PROJECT BUDGET (000'S)</b>	<b>Projected FY 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	10	90	50	-	-			140
Construction	-	750	500	-	-			1,250
Property/Easement Acquisition	-	25	-	-	-			25
<b>TOTAL EXPENDITURES</b>	<b>10</b>	<b>865</b>	<b>550</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,415</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund	10	865	550	-	-			1,415
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>865</b>	<b>550</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,415</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>(20)</b>
<b>Debt Service</b>	<b>-</b>
<small>(Based on estimated \$68,900 per \$1M issued on 20-year bonds)</small>	

<b>ANNUAL OPERATING BUDGET IMPACT (000'S):</b>	<hr/> <hr/> <b>(20)</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 and improve the level of system operation. Projects will be prioritized based on several factors such as line age, historical performance.		
<b>STATUS</b>	Funding in FY 2021 provided for engineering fees associated with the Carondelet area water line replacement project. FY 2022 funding is provided to continue work on the Carondelet area project. The Carondelet project construction is anticipated to begin in late summer of 2021 and consists of replacing approximately 20,000 feet of pipe over 2-1/2 years. 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 2021</b>	<b>Proposed 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>Total FY 2022-2027</b>
<b>EXPENDITURE ALLOCATION</b>								
Engineering	150	400	100	75	100	150	150	975
Construction	-	2,000	2,400	1,600	-	1,000	1,000	8,000
Property/Easement Acquisition	50	75	-	-	-	-	-	75
<b>TOTAL EXPENDITURES</b>	<b>200</b>	<b>2,475</b>	<b>2,500</b>	<b>1,675</b>	<b>100</b>	<b>1,150</b>	<b>1,150</b>	<b>9,050</b>
<b>SOURCE OF FUNDS</b>								
Water & Sewer Fund	200	2,475	2,500	1,675	100	1,150	1,150	9,050
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>200</b>	<b>2,475</b>	<b>2,500</b>	<b>1,675</b>	<b>100</b>	<b>1,150</b>	<b>1,150</b>	<b>9,050</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 \$68,900 per \$1M issued on 20-year bonds)

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

**(10)**

**OFFSETTING REVENUE:**

PROJECT	Water System Capacity Improvements	Account #	412-16700-8036
PROGRAM	Utilities	RESPONSIBLE DEPARTMENT	Water Services
DESCRIPTION	This project addresses future water system improvements that are needed to increase system capacity to meet the demands of Brentwood's customers. Projects identified in the water capacity master plan include internal distribution system improvements that will facilitate more water through the system as well as pump station and line upsizing projects that will allow for increased water supply directly from our wholesale water suppliers.		
STATUS	FY 2021 funding included construction for the Wikle Road water line upsizing project. This project installed a 12 inch main from Mallory Park to Franklin Road. Funding proposed in FY 2022 is to initiate design of the Ragsdale Road 12-inch water line project which is being coordinated with the Ragsdale Road widening project. Funding in FY 2023 proposes to upsize 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 2024 & 2025 includes upsizing a section of water pipeline north of Concord Road to Murray Lane. This water line project would be coordinated with the City's bike path/walking trail project. Placeholder funding is provided in future years for projects that may be needed as determined by the water system master plan.		

PROJECT BUDGET (000'S)	Projected FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024	Proposed FY 2025	Proposed FY 2026	Proposed FY 2027	Total FY 2022-2027
EXPENDITURE ALLOCATION								
Engineering	60	100	150	315	295	175	110	1,145
Construction	1,550	-	600	1,450	1,750	-	1,000	4,800
Property/Easement Acquisition	-	-	200	200	-	-	300	700
TOTAL EXPENDITURES	1,610	100	950	1,965	2,045	175	1,410	6,645
SOURCE OF FUNDS								
Water & Sewer Fund								
Water Tap Fees and NCG Tap Fees	1,610	100	950	1,965	2,045	175	1,410	6,645
Sewer Tap Fees								
Private Sources								
Inter-Governmental Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	1,610	100	950	1,965	2,045	175	1,410	6,645

---

---

**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>0</u>
---	----------

**OFFSETTING REVENUE:**

(Increase water sales from available water during the summer)

**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.