



City of
Brentwood
Tennessee



Capital Improvements
Program
FY 2014-2019



City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Years 2014-2019

Brentwood Board of Commissioners

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Kirk E. Bednar
City Manager

Jay Evans
Assistant City Manager

Carson K. Swinford
Finance Director

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INTRODUCTION

BETSY CROSSLEY
MAYOR
JILL BURGIN
VICE-MAYOR
KIRK BEDNAR
CITY MANAGER



COMMISSIONERS
ANNE DUNN
ROD FREEMAN
MARK W. GORMAN
RHEA E. LITTLE, III
REGINA SMITHSON

City of Brentwood

July 1, 2013

CITY MANAGER MEMORANDUM

2013-01

TO: Honorable Mayor and Members of the City Commission

FROM: Kirk Bednar, City Manager

SUBJECT: Proposed Fiscal Years 2014-2018 Capital Improvements Program

Attached you will find the proposed six-year capital improvements program (CIP) for the City of Brentwood for fiscal years 2014-2019.

The adopted CIP will be reviewed with the Board of Commissioners at a work session held on Thursday, April 4, 2013, beginning at 4:00 PM in the Municipal Center Annex Room. The staff reviewed each project and sought initial guidance and direction on the appropriateness and priorities in the program. Afterwards, the CIP was circulated in the community for citizen review and comments. Formal public hearings were held at three City Commission meetings on Tuesday, May 28, 2013, Monday, June 10, 2013, and Tuesday, June 25, 2013. A resolution to adopt the six-year CIP was presented to the City Commission for consideration and adoption at the June 25, 2013 meeting.

The primary focus of this six-year program is to identify and address the infrastructure and facility/equipment needs of the community and to enhance our competitive position with the improving local, state, and national economy. Brentwood is recognized nationally as a desirable community to live, work, and do business in the Nashville/Middle Tennessee area. 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 real 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.

Brentwood has made significant progress since the early 1990's in addressing the capital improvement needs of this community. 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 minimize congestion for drivers; enhancements to our utility systems that improve the reliability and capacity to deliver services to existing and future customers and protect the environment; and new park development and bikeways that expand recreational opportunities for youth and adults.

Summary Overview

The adopted FY 2014-2019 Capital Improvements Program is an ambitious plan that calls for the investment of **\$110,170,000** 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 **\$41.8 million** of the **\$110.2 million** program is dependent upon receipt of inter-governmental revenues (state and federal), targeted mostly to the improvement of state highways in Brentwood.

The net local investment of **\$68.3 million** over six-years will require a significant funding commitment, including direct support of nearly **\$38.6 million** on a "pay as you go basis," primarily from the General Fund and other funds that depend on annual contributions from the General Fund. The dependent funds that receive most of their revenue from the General Fund include, but are not limited to, the Capital Projects Fund, Equipment Replacement Division, and Facilities Maintenance Division. The Capital Projects Fund also receives periodic contributions from the proceeds of recently issued General Obligation (G.O.) bonds and proceeds from the Public Works Project Fees 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 contributions from its annual operating budget for various water and sewer system improvements.

The adopted CIP program cannot be implemented without the issuance of new General Obligation Bonds totaling **\$11.8 million** over the six-year period, and **\$12.3 million** in Water/Sewer Bonds. The associated annual debt service with the proposed G.O. Bonds and W/S Revenue Tax Bonds are projected to not require a property tax or utility rate increase.

Total project costs in the major program areas over the next six years (FY 2014-2019) are summarized below:

Transportation	\$55,925,000	50.8%
Utilities	22,995,000	20.9%
Parks & Recreation	15,490,000	14.1%
Facilities & Equipment	8,695,000	7.9%
Technology	6,435,000	5.8%
Storm Drainage	<u>630,000</u>	<u>0.6%</u>
TOTAL	<u>\$110,170</u>	<u>100.0%</u>

Transportation improvements are the largest component in the six year program. Proposed projects will address serious safety concerns associated with substandard narrow roads and provide additional capacity to help minimize future traffic gridlock. Two significant projects are targeted at improvements to state highways and are dependent on TDOT participation to move forward. They include Concord Road East (phase 2) from Sunset Road to the eastern city limits (\$19 million) and Franklin Road South from Concord Road to south of Moore’s Lane (\$15.6 million). In addition, City and Federal funding allocated through the MPO is provided for reconstruction of a substandard section of Concord Road from Jones Parkway to Arrowhead Drive (\$4.9 million).

In the above City/TDOT projects, the City has assumed responsibility for engineering design and right-of-way acquisition costs, subject to TDOT paying for utility relocations and construction costs. TDOT continues to face serious budget limitations and is unable to fund all the road construction needs across the State from the revenue generated from the current State gasoline tax. Despite this, we are reasonably optimistic that State funding will be provided in 2013 for phase 2 improvements to Concord Road East (from Sunset Road to Nolensville Road) and in FY 2015 for the Franklin Road South project. Federal funding for the Jones Parkway to Arrowhead Drive section of Concord Road has been allocated and is available once right-of-way acquisition is complete.

While physical improvements to the road network account for a significant portion of the overall Capital Improvements Plan spending, the program also provides for long-term transportation planning, including the joint Brentwood/Metro Nashville traffic study of the Maryland Farms/Old Hickory Boulevard area (\$40,000). A comprehensive update to the City’s Master Thoroughfare Plan (\$120,000) is also included as part of the Community Planning project in the General Facilities section of the CIP.

The City will maintain a significant commitment to street resurfacing over the six year period in the total amount of \$12.2 million. Despite no revenue growth anticipated in the State Street Aid Fund from the State's distribution of a portion of the gas tax to Tennessee local governments, the first two years of the proposed resurfacing program (FY 2014 & 2015) are fully funded with \$100,000 annual increases from the previous year via a proposed \$200,000 increase in the General Fund resurfacing budget in FY 2014 and direct transfers from the General Fund to the Capital Projects Fund. This will require a \$300,000 direct transfer which is included in the proposed FY 2014 General Fund operating budget. However, proposed resurfacing for the remaining four years in the CIP reflects lower funding amounts. The level of future funding for street resurfacing is a concern. This could be resolved if the General Assembly approves an increase in the State gasoline tax to cover unfunded needs with State highways and distributes a portion of the new revenue back to local governments to help with maintaining local streets. However, given the current political climate, such a gas tax increase is unlikely in the short-term. Therefore, the City will be faced with continuing pressure to increase the level of General Fund support for street resurfacing.

Under the agreed order with the Tennessee Department of Environment and Conservation (TDEC), the proposed six-year **Utilities** program will continue to place high priority on rehabilitation of the original sewer system. Approximately \$8.35 million in projects will be carried out over the next three years. The primary focus will be a continuation of the "slip lining" of the inside walls of the original sewer lines and manholes and the repair of service line connections at the sewer mains to reduce storm water inflow/infiltration into the sewer collection system. The rehabilitation work accomplished to date has reduced annual infiltration over 700 million gallons which allowed for a partial lifting of the moratorium on new sewer connections within the Little Harpeth River drainage basin and reduces the City's cost to Metro Nashville for treatment of storm water infiltration at their wastewater treatment facility.

From a water service standpoint, the City faces the continuing challenge of having to significantly overbuild its distribution system in order to be able to satisfy summer irrigation system demands. The six year plan provides for a \$9.7 million investment to expand the capability of the system to obtain more water from our wholesale providers and distribute to our customers. Several water line sections and major booster stations will be upgraded based on the deficiencies or potential enhancements identified in the water system computer model and master plan report. A significant project to upsize the Murray Lane and Johnson Chapel Road water pump stations along with a water line through the Belle Rive neighborhood and along Granny White Pike is planned to begin in FY 2014. This investment in the overall water distribution system should position it to handle the peak summer demands in the immediate future and when build-out occurs in our water service area.

A major commitment toward the acquisition and development of new park land was initiated in FY 2011 with the purchase of the 320 acre Marcella Vivrette Smith Park at Ravenswood Farm for \$10 million. The primary focus for the **Parks and Recreation** program will be for

improvements to Smith Park as outlined in the approved master plan with a projected cost over six years of \$12.8 million. This includes the \$2.9 million needed to exercise an option to purchase an additional 78 acres for Smith Park by December 31, 2013 subject to funding through private contributions, grants from other governments, or other funding sources. Funding in the amount of \$1.6 million is also provided for the future development of the Flagpole (Southwest) park land beginning with master planning in CY 2014. Fiscal year 2014 funding is also provided for construction of a bathroom facility near the pavilion and playground in Granny White Park.

The primary focus of the **General Facilities and Equipment** program over six years will be the ongoing effort to accumulate funding annually for the periodic replacement and upgrade of essential vehicles. This systematic approach will allow for \$5.5 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. FY 2014 funding (\$200,000) is provided for a comprehensive update of the Brentwood 2020 plan, including the City's Master Thoroughfare Plan. Finally, \$1.3 million remains in reserve for possible public infrastructure improvement in the Town Center area as may be appropriate to help facilitate redevelopment of the original Town Center area.

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 \$2.7 million is allocated for computer equipment, hardware and software upgrades over six years. Significant new funding of \$3 million is programmed beginning in FY 2015 for the City's estimated share of the cost for implementation of a countywide 800 megahertz radio system that would allow all public safety agencies in Williamson County and the county school system to communicate on the same system. Currently, none of the agencies can communicate directly without undertaking cumbersome system manipulations that significantly compromise communication abilities in an emergency situation. Funding in the amount of \$365,000 is also provided for continued expansion of the City's fiber optic communication network to create redundant loops and minimize communication down time in the event of an incident that damages part of the fiber network.

FINANCING REQUIREMENTS

As noted earlier, almost \$38.6 million (35%) 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 \$41.8 million or 38%. The remaining funds (\$29.7 million or 27%) must be generated through the issuance of General Obligation and Water/Sewer Revenue Tax Bonds.

The implementation of a six-year, comprehensive program with long-term benefits will require the issuance of **\$11.8 million** in new 20-year General Obligation Bonds and **\$12.3 million** in new Water/Sewer Revenue Tax Bonds.

The following memo from Carson Swinford, 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 each calendar year in accordance with the City's adopted Debt Management Policy with a maximum limit of 20 years to retire the bonds and in total issue amounts not to exceed \$10 million in any given year (bank qualified debt).

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

The *fiscal year 2014* (issued by late calendar year 2013) G.O. bond issue (**\$4,900,000**) will be needed to fund Phase 1 improvements to Marcella Vivrette Smith Park. In addition, Water/Sewer bonds (**\$3,300,000**) will be needed to fund the next phase of the Sewer Rehabilitation project (\$1,000,000) and the Water System Capacity project (\$2,300,000)

The *fiscal year 2015* (issued by late calendar year 2014) Water/Sewer bonds (**\$5,000,000**) will be needed for the Sewer Rehabilitation project (\$4,000,000) and for additional Water System Capacity improvements (\$1,000,000).

The *fiscal year 2016* (issued by late calendar year 2015) G.O. bond issue (**\$4,950,000**) will be needed for phase II improvements in Smith Park (\$2,150,000), development of the Flagpole Park site (\$1,500,000), and implementation of the countywide radio system (\$1,300,000).

The *fiscal year 2017* (issued by late calendar year 2016) Water/Sewer bonds (**\$4,000,000**) will be required for expected improvements with the Water System Capacity project.

The *fiscal year 2018* (issued by late calendar year 2017) G.O. bond issue (**\$1,950,000**) will be needed for phase III improvements in Smith Park. Note that it is likely that the total amount of this projected bond issue in the sixth year of the CIP will increase as other projects and capital needs are identified in the next few years.

At this time, no Water/Sewer bond issue is reflected for *fiscal year 2019*. It is likely that a bond issue will be required, but the specific projects to be funded by this bond issue are not identified at this time and will be subject to the final CAP/ER sewer rehabilitation report and updated water system modeling data following completion of already planned water capacity improvement 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. and Water/Sewer Revenue 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 new General Obligation bond issues from FY 2014 to FY 2019 will have minimal impact on the City's future operating budgets and property tax rate. Debt service for the new Water/Sewer bonds will be funded through current income. Note that the City is seeing significant cost savings in wastewater treatment costs thought the investment in the sewer rehabilitation program which is helping to cover a significant portion of the cost of the new debt service obligation.

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 2013 is \$3,357,917 with a projected fund balance for the Debt Service Fund as of June 30, 2013 of \$3,704,364. The proposed FY 2014 annual General Fund transfer to the Debt Service Fund will increase by \$100,000 to \$3,350,000.

Looking ahead over the remaining five years of the CIP and based on current interest rate projections, the General Fund should be able to maintain the annual transfer to the Debt Service Fund at the \$3,350,000 level proposed for FY 2014. The amount of the transfer will be reviewed annually and may need to be adjusted based on a variety of factors outside the City's control including interest rates, bond market fluctuations, etc.

Finally, the percentage of the total budget allocated for debt service in FY 2013 is approximately 10.2%. This amount of annual debt service is considered by the rating agencies to be a manageable level for a growing community. Assuming a conservative 2% budget growth from FY 2014 through FY 2019 with the Debt Service Fund transfer remaining flat at \$3,350,000, this percentage will decrease to 9.35% in FY 2019.

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, and Carson Swinford, Finance Director, for their assistance in the research and preparation of this document, and their continued efforts in streamlining the review process. This effort allows staff to focus its time and effort better on identifying and analyzing complex infrastructure projects and the associated financial considerations.



Kirk Bednar

BETSY CROSSLEY
MAYOR
JILL BURGIN
VICE-MAYOR
KIRK BEDNAR
CITY MANAGER



COMMISSIONERS
ANNE DUNN
ROD FREEMAN
MARK W. GORMAN
RHEA E. LITTLE, III
REGINA SMITHSON

City of Brentwood

July 1, 2013

FINANCE DEPARTMENT MEMORANDUM

2013-05

TO: Honorable Mayor and Members of the City Commission

THROUGH: Kirk Bednar, City Manager *KB*

FROM: Carson K. Swinford, Finance Director *CKS*

SUBJECT: **Capital Improvements Program Funding**

The attached City of Brentwood's six-year Capital Improvements Program (CIP) represents the City's effort at long-term infrastructure and facility planning. A substantial amount of time and cooperative effort among the various departments and City Manager was required to bring the program to this point. The recommendation includes 52 projects and improvements at a total cost of \$110,170,000. As addressed in the previous memo from the City Manager, \$68.3million 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. In addition, local funding is proposed through a special FY 2013 General Fund operating transfer to the Capital Projects Fund of \$1.7 million before June 30, 2013.

Completion of a program of this magnitude over the six-year period will require the City to issue three 20-year General Obligation bonds and three 20-year Water/Sewer Revenue bonds totaling \$24.1 million. The anticipated timing for the issuance of the proposed bonds is as follows:

Fiscal Year	General Obligation Bonds	Water/Sewer Revenue Bonds	Total
2014	\$ 4,900,000	\$ 3,300,000	\$ 8,200,000
2015	-	5,000,000	5,000,000
2016	4,950,000	-	4,950,000
2017	-	4,000,000	4,000,000
2018	1,950,000	-	1,950,000
2019	-	-	-
	\$ 11,800,000	\$ 12,300,000	\$ 24,100,000
Total			

The timing of the bond issues as outlined above is designed to meet several goals. First, the City simply must have funds available when the various improvements are initiated. In most cases, it is to the City's financial advantage to obtain long-term financing for the entire amount needed for a project in one bond issuance, rather than in a piecemeal form. This approach also helps the City avoid any negative effects of economic and market changes on financing costs in the middle of a project.

The projected financing schedule is also driven, in part, by the desire to be able to designate each of the City's bond issues as "qualified tax-exempt obligations" within the meaning of the Internal Revenue Code. Such a designation historically has allowed the City and other eligible issuer to capture lower interest rates since commercial banks are given an extra tax preference whenever they purchase so called "bank qualified" debt or debt sold by an issuer that reasonably intends to sell no more than \$10 million in tax-exempt securities in any one calendar year.

Whenever possible, it is preferable that total General Obligation (G.O.) bond proceeds for any calendar year not exceed \$5 million. This allows the City to fall under the "small issuer" exception permitted by federal arbitrage regulations and invest bond proceeds until they are needed to pay project costs without having to rebate to the federal government any excess investment earnings generally greater than the cost of funds to the City. While this always reduces administrative burdens associated with closely monitoring earnings, the economic value of this investment is sometimes lost if short-term yields are less than the cost of funds. Bond

issues between \$5 and \$10 million must be spent for designated projects within 24 months; otherwise, the City will be subject to the rebate penalty for interest earned above the cost of the funds to the City.

Finally, keeping the bond issues within the amounts and schedule noted previously allows the City to manage the annual debt service within the framework of debt service policies and helps the City avoid property tax increases to service additional debt obligations. This “leveling out” of debt also permits the City to avoid major increases to the annual General Fund transfer to Debt Service Fund. The City will be able to issue \$11.8 million in new General Obligation Bonds during the six- year period with an incremental \$100,000 increase in the annual transfer required from the General Fund to the Debt Service Fund in FY 2014. The proposed \$12.3 million in Water/Sewer Revenue Bonds will be funded through current income and wastewater treatment savings generated by the sewer rehabilitation program through elimination of storm water inflow/infiltration into the sewer trunk lines.

Fiscal Year	Direct Project Funding	Transfer to Debt Service Fund	Total General Fund Related Support
2014	\$ 10,240,000	\$ 3,350,000	\$ 13,590,000
2015	8,265,000	3,350,000	11,615,000
2016	8,820,000	3,350,000	12,170,000
2017	3,670,000	3,350,000	7,020,000
2018	6,380,000	3,350,000	9,730,000
2019	3,195,000	3,350,000	6,545,000
	<u>\$ 40,570,000</u>	<u>\$ 20,100,000</u>	<u>\$ 60,670,000</u>
Total			

The six-year capital improvements program will be reevaluated and updated annually in light of new priorities, revised cost, revenue trends, and other economic factors.

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

RESOLUTION 2013-46

A RESOLUTION TO ADOPT A CAPITAL IMPROVEMENTS PROGRAM FOR THE CITY OF BRENTWOOD FOR THE FISCAL YEARS 2014-2019

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 2014-2019, is hereby adopted as a guideline for Brentwood city government.

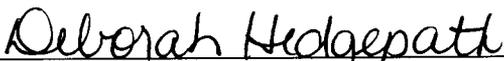
SECTION 2. That this resolution shall take effect from and after its passage, the general welfare of the City of Brentwood, Williamson County, Tennessee requiring it.



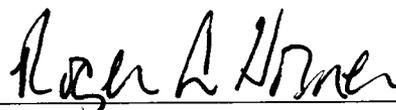
MAYOR Betsy S. Crossley

ADOPTED: 6/25/2013

Approved as to form:



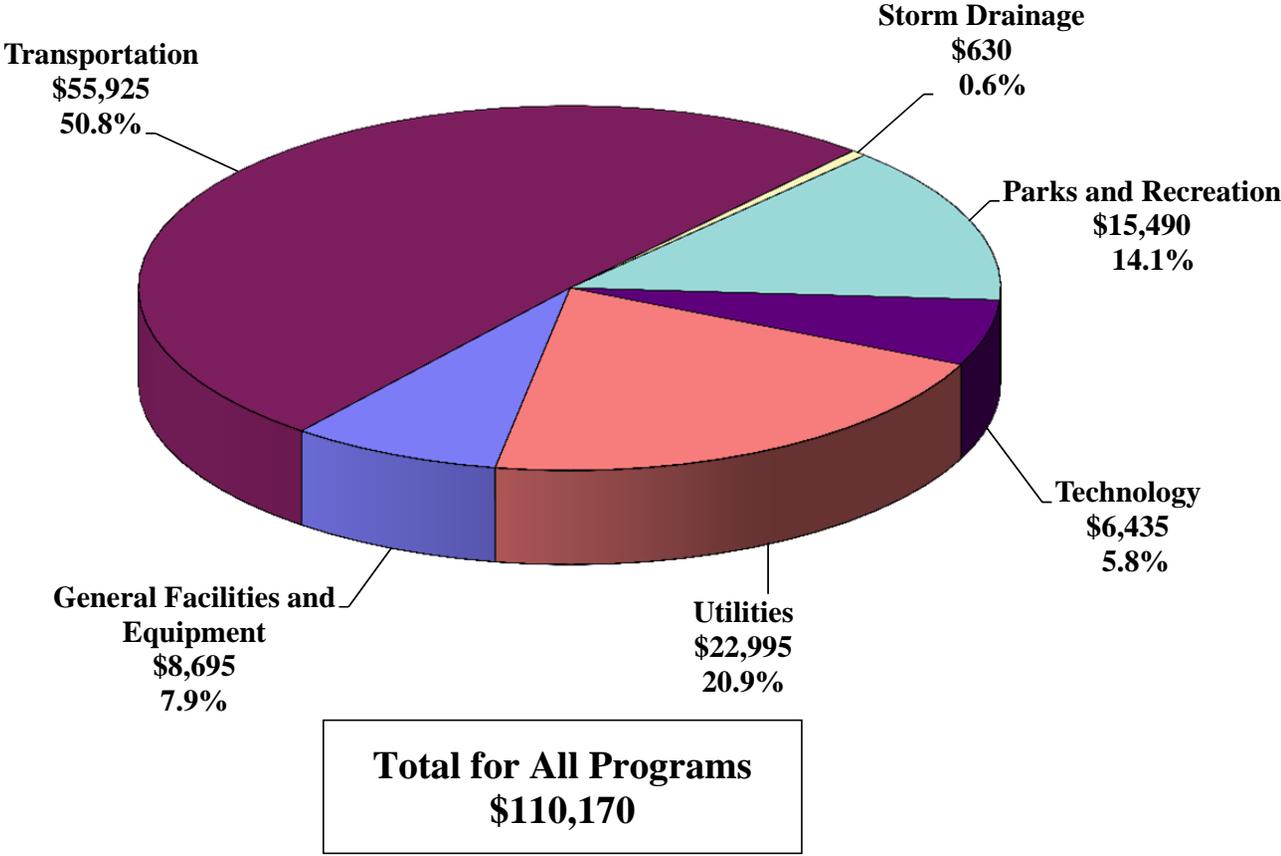
RECORDER Deborah Hedgepath



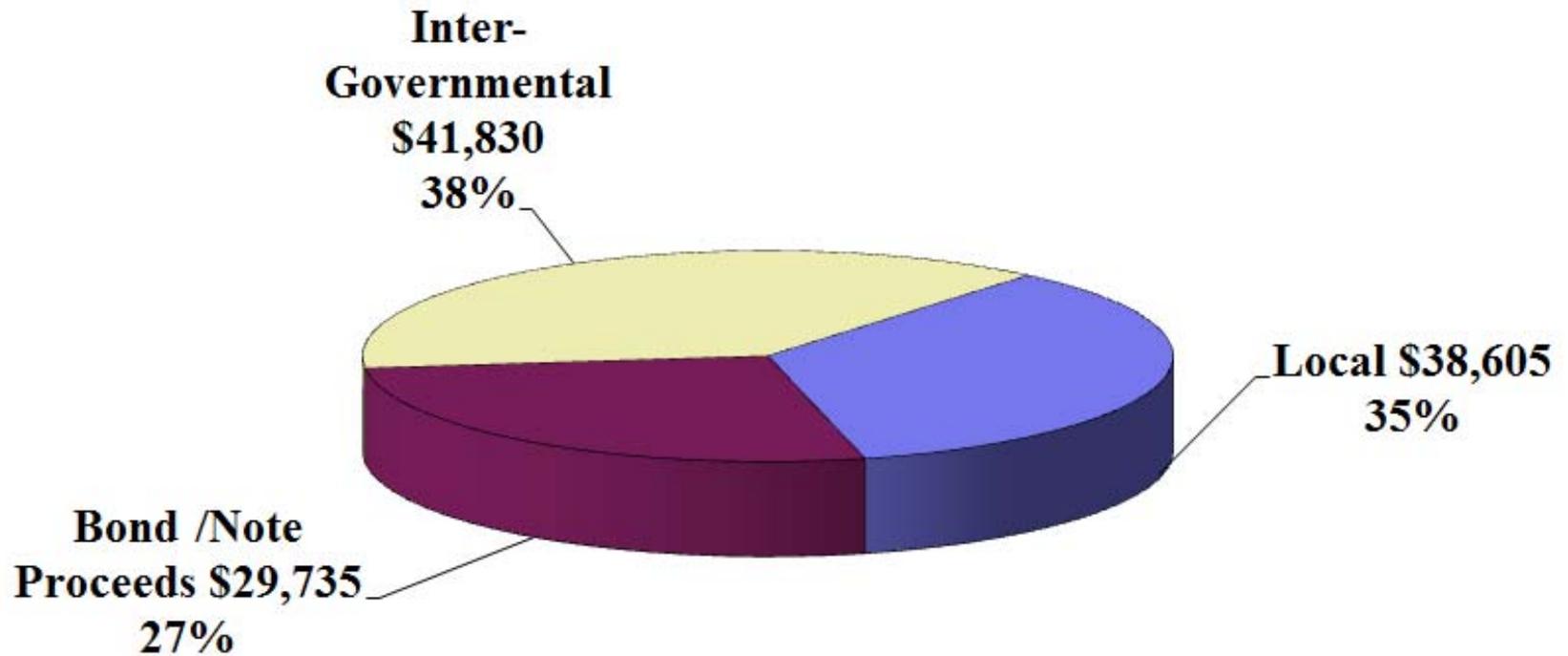
CITY ATTORNEY Roger A. Horner

SUMMARIES

**City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Years 2014-2019
Program Expenditures
(000's)**



**City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Years 2014 – 2019
Funding By Source
(000's)**



**Total For All Programs
\$110,170**

**City of Brentwood, Tennessee
 Capital Improvements Program
 Fiscal Year 2014 - 2019
 Program Expenditures - Summary
 (000's)**

<u>Program</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-2019</u>
General Facilities and Equipment	1,685	895	2,805	955	1,300	2,000	740	8,695
Technology	1,260	765	2,030	2,220	360	520	540	6,435
Transportation	3,570	23,215	12,645	8,890	5,905	2,715	2,555	55,925
Storm Drainage	120	120	110	100	100	100	100	630
Parks and Recreation	2,245	8,635	530	3,780	305	2,030	210	15,490
Utilities	7,525	9,615	4,910	5,030	1,230	1,730	480	22,995
Grand Total	16,405	43,245	23,030	20,975	9,200	9,095	4,625	110,170

**City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014 - 2019
Sources of Funds - Summary
(000's)**

<u>Source</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-19</u>
Capital Projects Fund	3,410	3,880	3,910	300	300	300	300	8,990
Emergency Communications District Fund	-	20	-	-	-	-	-	20
Equipment Replacement Division	1,825	560	1,700	1,140	1,260	2,135	965	7,760
Facilities Maintenance Division	165	235	380	405	325	260	210	1,815
General Fund	510	710	1,680	2,255	1,485	1,595	1,550	9,275
General Fund (Unreserved Balance)	750	-	-	-	-	-	-	-
General Obligation Bond Proceeds	215	4,685	425	4,550	130	1,920	-	11,710
Municipal Center Fund	200	170	170	170	170	170	170	1,020
Private Sources	480	2,405	5	5	5	5	5	2,430
Public Works Project Fee Fund	-	1,400	-	85	350	-	-	1,835
Inter-Governmental Sources	280	18,060	8,800	6,000	3,000	-	-	35,860
State Street Aid Fund	1,040	1,040	1,040	1,040	950	950	950	5,970
Water and Sewer Fund	955	1,935	1,040	1,025	475	510	475	5,460
Water & Sewer Bond/Note Proceeds	6,575	8,145	3,880	4,000	750	1,250	-	18,025
Grand Total	16,405	43,245	23,030	20,975	9,200	9,095	4,625	110,170

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014 - 2019
Summary - All Projects
(000's)

	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014 - 2019</u>
General Facilities								
Community Identity Features	0	0	15	15	15	15	15	75
Community Planning	0	200	30	0	0	0	0	230
Equipment/Vehicles	1330	435	1190	670	1015	1715	455	5,480
Library	130	25	25	25	25	25	25	150
Municipal Center	200	170	170	170	170	170	170	1,020
Safety Center East	0	25	25	25	25	25	25	150
Service Center	25	40	50	50	50	50	50	290
Town Center Improvements	0	0	1300	0	0	0	0	1,300
Total - General Facilities	1,685	895	2,805	955	1,300	2,000	740	8,695
Technology								
Computer Equipment	895	225	370	445	225	280	460	2,005
Emergency Communications Center	0	20	0	0	0	0	0	20
Fiber Optic Network	230	140	140	0	85	0	0	365
GIS	20	0	40	0	0	100	0	140
Radio System	60	60	1310	1750	0	0	0	3,120
Software Systems	25	320	140	25	20	140	50	695
Warning Sirens	30	0	30	0	30	0	30	90
Total - Technology	1,260	765	2,030	2,220	360	520	540	6,435
Transportation								
Bikeway Improvements	50	385	175	175	175	175	175	1,260
Concord Road (west of Arrowhead Drive)	510	3920	1000	0	0	0	0	4,920
Concord Road (east of Edmondson Pike)	300	14000	5000	0	0	0	0	19,000
Franklin Road (south section)	150	2600	4000	6000	3000	0	0	15,600
Sidewalks	0	210	50	50	50	50	50	460
Split Log Road	65	25	0	0	0	0	0	25
Street Lighting	0	0	20	20	20	20	20	100
Street Resurfacing	1900	2000	2100	2100	2010	2010	2010	12,230
Sunset Road	30	0	0	85	350	0	0	435
Town Center Area	0	0	300	300	300	300	300	1,500
Traffic Signal Upgrades	410	75	0	160	0	160	0	395
Wilson Pike	155	0	0	0	0	0	0	-
Total - Transportation	3,570	23,215	12,645	8,890	5,905	2,715	2,555	55,925

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014 - 2019
Summary - All Projects
(000's)

	<u>Projected</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>Total</u>
	<u>FY 2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>6 Years</u>
								<u>2014 - 2019</u>
Storm Drainage								
Bowman Lane Drainage	0	25	0	0	0	0	0	25
Lipscomb Drive Drainage Area	50	0	0	0	0	0	0	0
Regional Flood Study	20	20	10	0	0	0	0	30
Subdivision Drainage	50	50	100	100	100	100	100	550
Wilson Pike Circle Drainage	0	25	0	0	0	0	0	25
Total - Storm Drainage	120	120	110	100	100	100	100	630
Parks/Recreation								
Crockett Park	40	30	30	135	65	30	30	320
Deerwood Arboretum	0	60	0	0	15	0	0	75
Flagpole (Southwest) Park	0	0	125	1500	0	0	0	1,625
Granny White Park	5	165	200	115	70	30	30	610
Marcella Vivrette Smith Park	1,720	8,380	175	2,000	130	1,920	150	12,755
Margaret Powell Park	480	0	0	0	0	0	0	0
Owl Creek Park	0	0	0	25	25	25	0	75
River Park	0	0	0	0	0	25	0	25
Tower Park	0	0	0	5	0	0	0	5
Total - Parks/Recreation	2,245	8,635	530	3,780	305	2,030	210	15,490
Utilities								
Brentwood Sewer Rehabilitation	5615	3345	1000	4000	0	0	0	8,345
Harpeth Valley Water Line Connector	55	0	0	0	0	0	0	-
Meter Reading Program Upgrade	550	550	550	550	0	0	0	1,650
Miscellaneous Sewer Service Additions	0	40	40	40	40	40	40	240
Miscellaneous Sewer System Improvements	0	110	110	110	110	110	110	660
Miscellaneous Water System Improvements	110	110	110	110	110	110	110	660
Peach Court Utility Improvements	150	0	0	0	0	0	0	-
Sewer Lift Station Rehabilitation	70	160	0	0	0	0	0	160
Sewer System Model	0	75	0	0	0	0	0	75
Water Line Replacement Program	15	425	220	220	220	220	220	1,525
Water System Capacity Improvements	960	4800	2880	0	750	1250	0	9,680
Total - Utilities	7,525	9,615	4,910	5,030	1,230	1,730	480	22,995
TOTALS	16,405	43,245	23,030	20,975	9,200	9,095	4,625	110,170

**City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014-2019
General Facilities and Equipment Program - Summary
(000's)**

<u>Projects</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-19</u>
Community Identity Features	-	-	15	15	15	15	15	75
Community Planning	-	200	30	-	-	-	-	230
Equipment/Vehicles	1,330	435	1,190	670	1,015	1,715	455	5,480
Library	130	25	25	25	25	25	25	150
Municipal Center	200	170	170	170	170	170	170	1,020
Safety Center East	-	25	25	25	25	25	25	150
Service Center	25	40	50	50	50	50	50	290
Town Center Improvements	-	-	1,300	-	-	-	-	1,300
Grand Total	1,685	895	2,805	955	1,300	2,000	740	8,695

Source of Funds

Capital Projects Fund	30	330	1,300	-	-	-	-	1,630
General Fund	-	-	45	15	15	15	15	105
General Fund (Unreserved Balance)	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Equipment Replacement Division	1,330	315	1,190	670	1,015	1,715	455	5,360
Facilities Maintenance Division	75	80	100	100	100	100	100	580
Inter-Governmental Sources	50	-	-	-	-	-	-	-
Municipal Center Fund	200	170	170	170	170	170	170	1,020
Private Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	1,685	895	2,805	955	1,300	2,000	740	8,695

**City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014 - 2019
Technology Program - Summary
(000's)**

<u>Projects</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-19</u>
Computer Equipment	895	225	370	445	225	280	460	2,005
Emergency Communications Center	-	20	-	-	-	-	-	20
Fiber Optic Network	230	140	140	-	85	-	-	365
GIS	20	-	40	-	-	100	-	140
Radio System	60	60	1,310	1,750	-	-	-	3,120
Software Systems	25	320	140	25	20	140	50	695
Warning Sirens	30	-	30	-	30	-	30	90
Grand Total	1,260	765	2,030	2,220	360	520	540	6,435

Source of Funds

Capital Projects Fund	610	500	1,000	-	-	-	-	1,500
General Fund	-	-	255	700	115	65	30	1,165
General Fund (Unreserved Balance)	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	250	1,050	-	-	-	1,300
Equipment Replacement Division	495	245	510	470	245	420	510	2,400
Facilities Maintenance Division	-	-	-	-	-	-	-	-
Inter-Governmental Sources	150	-	-	-	-	-	-	-
Municipal Center Fund	-	-	-	-	-	-	-	-
Water and Sewer Fund	5	-	15	-	-	35	-	50
ECD Fund	-	20	-	-	-	-	-	20
Grand Total	1,260	765	2,030	2,220	360	520	540	6,435

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014 - 2019
Transportation - Summary
(000's)

<u>Projects</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-19</u>
Bikeway Improvements	50	385	175	175	175	175	175	1,260
Concord Road (west of Arrowhead Drive)	510	3,920	1,000	-	-	-	-	4,920
Concord Road (east of Edmondson Pike)	300	14,000	5,000	-	-	-	-	19,000
Franklin Road (south section)	150	2,600	4,000	6,000	3,000	-	-	15,600
Sidewalks	-	210	50	50	50	50	50	460
Split Log Road	65	25	-	-	-	-	-	25
Street Lighting	-	-	20	20	20	20	20	100
Street Resurfacing	1,900	2,000	2,100	2,100	2,010	2,010	2,010	12,230
Sunset Road	30	-	-	85	350	-	-	435
Town Center Area	-	-	300	300	300	300	300	1,500
Traffic Signal Upgrades	410	75	-	160	-	160	-	395
Wilson Pike	155	-	-	-	-	-	-	-
Grand Total	3,570	23,215	12,645	8,890	5,905	2,715	2,555	55,925
<u>Source of Funds</u>								
Capital Projects Fund	1,940	2,035	1,600	300	300	300	300	4,835
General Fund	460	660	1,155	1,415	1,255	1,415	1,255	7,155
General Fund (Unreserved Balance)	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Facilities Maintenance Division	50	50	50	50	50	50	50	300
Private Sources	-	-	-	-	-	-	-	-
Public Works Project Fund	-	1,400	-	85	350	-	-	1,835
Inter-Governmental Sources	80	17,560	8,800	6,000	3,000	-	-	35,360
State Street Aid Fund	1,040	1,040	1,040	1,040	950	950	950	5,970
Water and Sewer Fund	-	470	-	-	-	-	-	470
Grand Total	3,570	23,215	12,645	8,890	5,905	2,715	2,555	55,925

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014 - 2019
Storm Drainage Program - Summary
(000's)

<u>Projects</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-2019</u>
Bowman Lane Drainage	-	25	-	-	-	-	-	25
Lipscomb Drive Drainage Area	50	-	-	-	-	-	-	-
Regional Flood Study	20	20	10	-	-	-	-	30
Subdivision Drainage	50	50	100	100	100	100	100	550
Wilson Pike Circle Drainage	-	25	-	-	-	-	-	25
Grand Total	120	120	110	100	100	100	100	630

Source of Funds

Capital Projects Fund	70	70	10	-	-	-	-	80
General Fund	50	50	100	100	100	100	100	550
G O Bond Proceeds	-	-	-	-	-	-	-	-
Grand Total	120	120	110	100	100	100	100	630

**City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014 - 2019
Parks and Recreation Program - Summary
(000's)**

<u>Projects</u>	<u>Projected 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-19</u>
Crockett Park	40	30	30	135	65	30	30	320
Deerwood Arboretum	-	60	-	-	15	-	-	75
Flagpole (Southwest) Park	-	-	125	1,500	-	-	-	1,625
Granny White Park	5	165	200	115	70	30	30	610
Marcella Vivrette Smith Park	1,720	8,380	175	2,000	130	1,920	150	12,755
Margaret Powell Park	480	-	-	-	-	-	-	-
Owl Creek Park	-	-	-	25	25	25	-	75
River Park	-	-	-	-	-	25	-	25
Tower Park	-	-	-	5	-	-	-	5
Grand Total	2,245	8,635	530	3,780	305	2,030	210	15,490

Source of Funds

Capital Projects Fund	760	945	-	-	-	-	-	945
General Fund	-	-	125	25	-	-	150	300
General Fund (Unreserved Balance)	750	-	-	-	-	-	-	-
G O Bond Proceeds	215	4,685	175	3,500	130	1,920	-	10,410
Facilities Maintenance Division	40	105	230	255	175	110	60	935
Private Sources	480	2,400	-	-	-	-	-	2,400
Inter-Governmental Sources	-	500	-	-	-	-	-	500
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	2,245	8,635	530	3,780	305	2,030	210	15,490

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014-2019
Water and Sewer Program - Summary
(000's)

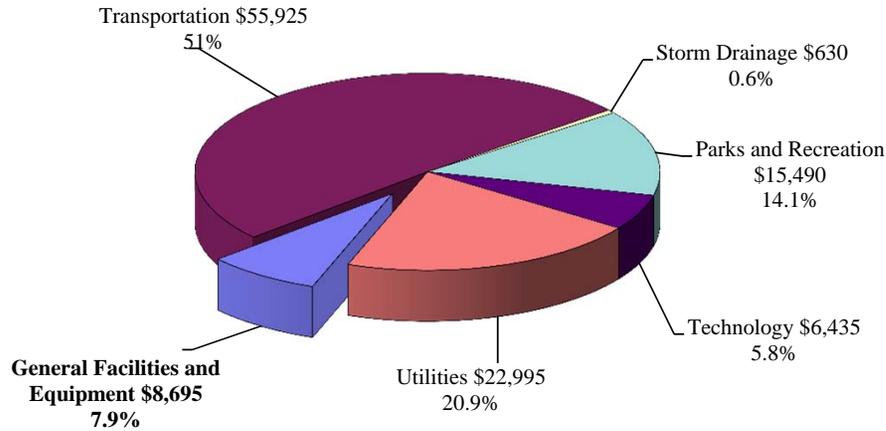
<u>Projects</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-2019</u>
Brentwood Sewer Rehabilitation	5,615	3,345	1,000	4,000	-	-	-	8,345
Harpeth Valley Water Line Connector	55	-	-	-	-	-	-	-
Meter Reading Program Upgrade	550	550	550	550	-	-	-	1,650
Miscellaneous Sewer Service Additions	-	40	40	40	40	40	40	240
Miscellaneous Sewer System Improvements	-	110	110	110	110	110	110	660
Miscellaneous Water System Improvements	110	110	110	110	110	110	110	660
Peach Court Utility Improvements	150	-	-	-	-	-	-	-
Sewer Lift Station Rehabilitation	70	160	-	-	-	-	-	160
Sewer System Model	-	75	-	-	-	-	-	75
Water Line Replacement Program	15	425	220	220	220	220	220	1,525
Water System Capacity Improvements	960	4,800	2,880	-	750	1,250	-	9,680
Grand Total	7,525	9,615	4,910	5,030	1,230	1,730	480	22,995
<u>Source of Funds</u>								
Water & Sewer Fund	950	1,465	1,025	1,025	475	475	475	4,940
Private Sources	-	5	5	5	5	5	5	30
Water & Sewer Bond/Note Proceeds	6,575	8,145	3,880	4,000	750	1,250	-	18,025
Grand Total	7,525	9,615	4,910	5,030	1,230	1,730	480	22,995



GENERAL FACILITIES and EQUIPMENT

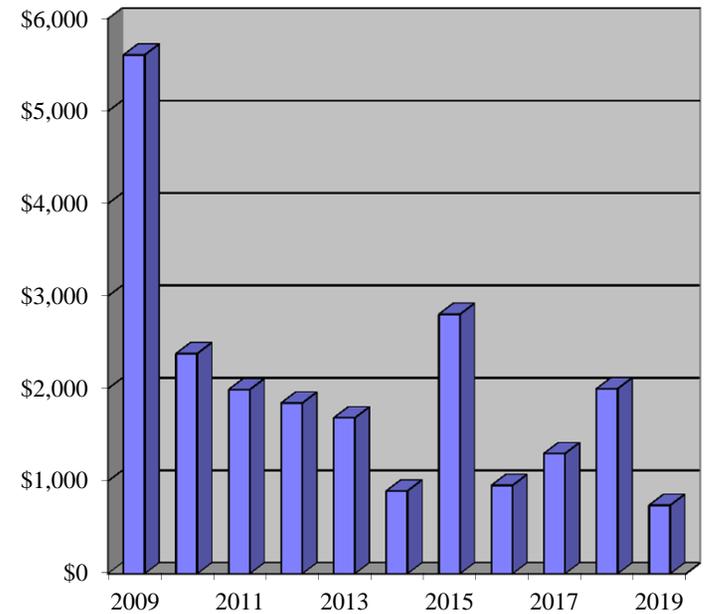
GENERAL FACILITIES AND EQUIPMENT

FISCAL YEARS 2014-2019



Amounts in 000's

General Facilities Annual Expenditures



Amounts in 000's

**City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014-2019
General Facilities and Equipment Program - Summary
(000's)**

<u>Projects</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-19</u>
Community Identity Features	-	-	15	15	15	15	15	75
Community Planning	-	200	30	-	-	-	-	230
Equipment/Vehicles	1,330	435	1,190	670	1,015	1,715	455	5,480
Library	130	25	25	25	25	25	25	150
Municipal Center	200	170	170	170	170	170	170	1,020
Safety Center East	-	25	25	25	25	25	25	150
Service Center	25	40	50	50	50	50	50	290
Town Center Improvements	-	-	1,300	-	-	-	-	1,300
Grand Total	1,685	895	2,805	955	1,300	2,000	740	8,695

Source of Funds

Capital Projects Fund	30	330	1,300	-	-	-	-	1,630
General Fund	-	-	45	15	15	15	15	105
General Fund (Unreserved Balance)	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Equipment Replacement Division	1,330	315	1,190	670	1,015	1,715	455	5,360
Facilities Maintenance Division	75	80	100	100	100	100	100	580
Inter-Governmental Sources	50	-	-	-	-	-	-	-
Municipal Center Fund	200	170	170	170	170	170	170	1,020
Private Sources	-	-	-	-	-	-	-	-
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	1,685	895	2,805	955	1,300	2,000	740	8,695

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

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

STATUS **No projects have been identified for FY 2014. Funding has been allocated in future years for beautification projects as identified.**

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering								
Construction			15	15	15	15	15	75
TOTAL EXPENDITURES	-	-	15	15	15	15	15	75
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund			15	15	15	15	15	75
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	-	-	15	15	15	15	15	75

JUSTIFICATION

The provision of community identity features is a priority in the Brentwood 2020 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	5
Debt Service	

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

OFFSETTING REVENUE:

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

DESCRIPTION This project addresses long range planning efforts of the City. This includes periodic updates to the Brentwood 2020 Comprehensive Plan which was originally adopted in 1999 and updated in 2006. The 2020 Plan as amended provides guidance in decision-making as the community approaches projected build-out in the next 10-20 years. In addition, the City periodically conducts a special census between the normal U.S. Census to determine accurately the current population mid-decade.

STATUS The second full-scale review and update of the Brentwood 2020 Plan is proposed for FY 2014 and will include a comprehensive update of the City's Master Thoroughfare plan. The purpose of the Master Thoroughfare Plan update is to identify short-term and long-term transportation system needs within the City and identify transportation improvements to meet those needs. Also, a special census is anticipated in FY 2015 based on growth trends since the 2010 federal census. Funding for the Master Thoroughfare Plan update is subject to a FY 2013 special year-end transfer of \$120,000 from the General Fund to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Consultant Services		200						200
Special Census			30					30
TOTAL EXPENDITURES	-	200	30	-	-	-	-	230
SOURCE OF FUNDS								
Capital Projects Fund		200						200
General Fund			30					30
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	-	200	30	-	-	-	-	230

JUSTIFICATION

Comprehensive planning is an important tool for understanding the needs and desires of the community in the future and in guiding the decisions and actions of the City Commission and staff. Periodic review and update of the plan as well as assessment of public attitudes is needed to document accomplishments to date and to maintain relevant direction in future years. Update of the City's Master Thoroughfare Plan is key for planning future road improvement projects to address growing traffic demands. A special census will ensure that the City receives its fair share of revenue from the State of Tennessee which is distributed to cities on a per capita basis to fund the annual operating budget.

PROGRAM AND FACILITY COSTS:

**Personnel Services
Operating Expenditures
Debt Service**

**(Recommendations from the Plan could result in new
capital projects in the future)**

0

OFFSETTING REVENUE:

**(Special census will typically generate approximately \$100 in additional
state shared revenue annually for each additional person counted)**

PROJECT Equipment/Vehicles Account # 310-43120-89520 (PW), 310-42200-89520 (Fire), 310-44400-89520 (Parks), 310-42100-89520 (Police) 311-45200-5027 (Equipment)

PROGRAM General Facilities & Equipment RESPONSIBLE DEPARTMENT Public Works, Fire, Parks, & Police

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

STATUS Equipment to be replaced in FY 2014 includes twelve (8) police vehicles (5 patrol and 3 unmarked) with associated equipment, and four Automatic External Defibrillators (AED's) for the Fire Department at a cost of \$30,000 each. Funding is also proposed for purchase of a new mobile traffic signal maintenance vehicle that will allow signal maintenance staff to test and repair traffic signal equipment on-location. Funding for the replacement AED's and the traffic signal maintenance vehicle is subject to a FY2013 special year-end appropriation of \$165,000 from the General Fund to the Capital Projects Fund (\$120,000) and the Equipment Replacement Fund (\$45,000).

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Public Works Vehicles	175	45	130	260	260	470		1,165
Fire Pumper/Ladder	585		635			850		1,485
Fire Rescue / Mini Pumper	205				355			355
Parks Equipment					55			55
Police Vehicles	365	270	425	410	345	395	455	2300
Misc. Equipment		120						120
TOTAL EXPENDITURES	1,330	435	1,190	670	1,015	1,715	455	5,480
SOURCE OF FUNDS								
Capital Projects Fund		120						120
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division	1,330	315	1,190	670	1,015	1,715	455	5,360
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
TOTAL FUNDS	1,330	435	1,190	670	1,015	1,715	455	5,480

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**

0

**(routine replacement helps reduce annual maintenance
and repair costs)**

OFFSETTING REVENUE:

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

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

STATUS FY 2013 funding provided \$100,000 in Facility Maintenance funds for replacement of two original boilers which were identified as significant sources of wasted energy, and installation of two small room air conditioner units in the Ch. 19 equipment room and the Library server room to insure those two rooms can maintain appropriate temperature levels. An energy efficiency grant from TDEC in the amount of \$50,000 covered one-half of the boiler replacement cost. Beginning in FY 2014, \$25,000 is projected annually in Facility Maintenance funds for extraordinary building maintenance needs as may be identified each year.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Architectural Services								
Construction								
Facility Maintenance	100	25	25	25	25	25	25	150
Equipment	30							
TOTAL EXPENDITURES	130	25	25	25	25	25	25	150
SOURCE OF FUNDS								
Capital Projects Fund	30							
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division	50	25	25	25	25	25	25	150
Inter-Governmental Sources	50							
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	130	25	25	25	25	25	25	150

JUSTIFICATION

The library is the most utilized City facility on a daily basis. Improvements to the facility allows for expanded collections and programs and ensures the facility will remain a state of the art building serving the intellectual needs of patrons in the future. The new Library data base management system will improve customer service through expanded online services, text messaging to communicate with users, and access to the Library databases via smart phone and other mobile devices. The recent retro-commissioning effort at the Library indicated that the cost to replace the two original boilers would be recovered in approximately 5 years due to increased energy efficiency of the new units.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	-20
(Projected utility savings due to boiler replacement)	
Debt Service	

-20

OFFSETTING REVENUE:

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

DESCRIPTION This project provides for general improvements, space renovations and extraordinary repairs to the Municipal Center to better meet the needs of various departments in providing service to the public and to protect the integrity of the building and property. This 25 year old building was oversized in the beginning to allow for future expansion by City departments. A limited amount of surplus space is leased to a private tenant until there is a need for more public space.

STATUS Significant renovation projects were completed in FY 2012, including renovation of the main lobby and finance area, relocation and renovation of space for the Police Department support staff, expansion of the 911 Emergency Communications Center, relocation of police patrol functions to the ground floor, and minor paving in the parking lot. FY 2013 funding provides for replacement of the remaining older HVAC systems to provide increased energy efficiency and improved occupant comfort, and minor renovations in the Police Criminal Investigations Division office area. Future funding is programmed for improvements as may be identified.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Construction	190	150	150	150	150	150	150	900
Architectural Services		20	20	20	20	20	20	120
Consultant Services	10							
TOTAL EXPENDITURES	200	170	170	170	170	170	170	1,020
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund	200	170	170	170	170	170	170	1,020
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	200	170	170	170	170	170	170	1,020

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 provide for enhanced public service capabilities within the lobby and a state of the art emergency communications center.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	15
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	15
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**(improvements increase annual depreciation expense
for the Municipal Center Fund)**

OFFSETTING REVENUE:

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

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

STATUS Facilities Maintenance funding in the amount of \$25,000 is programmed annually for routine extraordinary repair projects.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering Services								
Construction								
Facility Maintenance		25	25	25	25	25	25	150
TOTAL EXPENDITURES	-	25	25	25	25	25	25	150
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Fund								
Facilities Maintenance Fund		25	25	25	25	25	25	150
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	-	25	25	25	25	25	25	150

JUSTIFICATION

This multi-functional facility serves a variety of city and community purposes. The facility is now over 10 years old and will require periodic maintenance to insure it remains in acceptable condition.

PROGRAM AND FACILITY COSTS:

- Personnel Services**
- Operating Expenditures**
- Debt Service**

0

OFFSETTING REVENUE:

PROJECT	Service Center	Account #	311-45200-5005 312-43170-89600 (Facilities Maintenance)
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PROGRAM	General Facilities & Equipment	RESPONSIBLE DEPARTMENT	Public Works
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DESCRIPTION This project provides for periodic improvements to the Service Center on General George Patton Drive. The facility houses the operations for the Public Works, Parks, Water Services and Engineering departments as well as Fire Station No. 3. The site also includes the Police Department's impound lot, the chipper transfer facility, and one of the City's two salt storage facilities.

STATUS Facility Maintenance funding in FY 2013 targeted rehabilitation of the stormwater detention area at the rear of the facility which requires periodic removal of sediment and vegetative growth. Facilities Maintenance funding programmed for FY's 2014-2019 is for extraordinary repairs and maintenance as may be required for this 20+ year old facility. FY 2014 funding from the Capital Projects Fund is for technology updates to the Service Center conference room to provide full multi-media capabilities and allow for full connectivity to the emergency operations center at the Municipal Center.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering								
Construction		10						10
Facility Maintenance	25	30	50	50	50	50	50	280
TOTAL EXPENDITURES	25	40	50	50	50	50	50	290
SOURCE OF FUNDS								
Capital Projects Fund		10						10
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division	25	30	50	50	50	50	50	280
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	25	40	50	50	50	50	50	290

JUSTIFICATION

Providing enhanced multi-media capabilities at the Service Center will allow for better communication between the Emergency Operations Center and Service Center departments during emergencies. Also, the original facility requires periodic repairs and improvements in the future to ensure effective operation and to protect the City's investment.

PROGRAM AND FACILITY COSTS:

Personnel Services	0
(Savings from not hiring additional chipper crew)	
Operating Expenditures	0
(Annual operating savings incl. recapture of lost productivity)	
Debt Service	
	<hr/> <hr/> 0

OFFSETTING REVENUE:

PROJECT	Town Center Improvements	Account #	311-45200-5013
PROGRAM	General Facilities & Equipment	RESPONSIBLE DEPARTMENT	Public Works

DESCRIPTION This project provides partial funding for the purchase of land, design and/or construction of public improvements such as new parking and street upgrades within the Town Center District. A significant capital investment such as a large parking lot or parking structure will require a combination of City and private funding to be carried out.

STATUS In FY 2006, a study was completed to determine the feasibility of the City undertaking the purchase of land and/or construction/operation of a public parking facility. A framework is in place to evaluate the feasibility of City participation in a joint public/private project. Of the \$1.4 million originally allocated to this account in the Capital Projects Fund, \$100,000 was reallocated for the upgrade of a small section of Pewitt Drive during CY 2010. The remaining \$1.3 million is available should opportunities arise in conjunction with proposed new private development in the Town Center District. No projects are anticipated at this time for FY 2014.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering								
Land Acquisition			1,300					1,300
Construction								
TOTAL EXPENDITURES	-	-	1,300	-	-	-	-	1,300
SOURCE OF FUNDS								
Capital Projects Fund			1,300					1,300
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Private Sources								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	-	-	1,300	-	-	-	-	1,300

JUSTIFICATION

The City is committed to facilitating redevelopment of the Town Center area by the private sector primarily through upgrade of the public infrastructure. To date, the City has spent \$3.7 million for construction of Town Center Way between Franklin Road and Wilson Pike, Pewitt Drive improvements and upgrade or relocation of water and sewer lines. The eventual development of a traditional, pedestrian oriented downtown area will likely require some form of common parking facilities in the area. Sufficient funding is not available to construct a parking garage without the financial commitment of a private developer in a public-private partnership.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	
Debt Service	0
(Significant expenses would occur with operation of a parking structure)	
	<u>0</u>

OFFSETTING REVENUE:

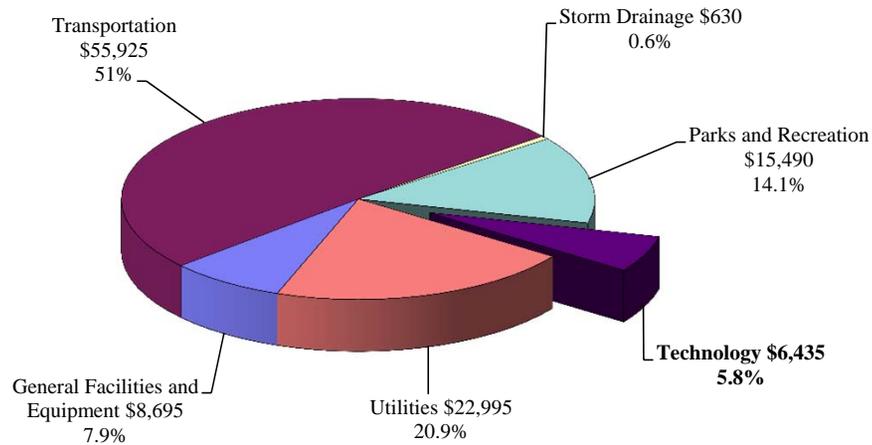
(Revenues from increased property & sales taxes in the
area must exceed annual expenses to make a
public parking project viable)



TECHNOLOGY

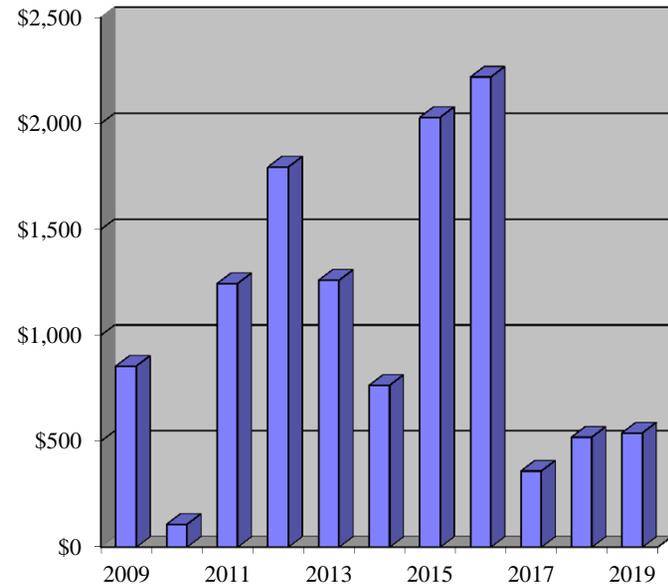
TECHNOLOGY

FISCAL YEARS 2014-2019



Amounts in 000's

Technology Annual Expenditures



Amounts in 000's

**City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014 - 2019
Technology Program - Summary
(000's)**

<u>Projects</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-19</u>
Computer Equipment	895	225	370	445	225	280	460	2,005
Emergency Communications Center	-	20	-	-	-	-	-	20
Fiber Optic Network	230	140	140	-	85	-	-	365
GIS	20	-	40	-	-	100	-	140
Radio System	60	60	1,310	1,750	-	-	-	3,120
Software Systems	25	320	140	25	20	140	50	695
Warning Sirens	30	-	30	-	30	-	30	90
Grand Total	1,260	765	2,030	2,220	360	520	540	6,435
<u>Source of Funds</u>								
Capital Projects Fund	610	500	1,000	-	-	-	-	1,500
General Fund	-	-	255	700	115	65	30	1,165
General Fund (Unreserved Balance)	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	250	1,050	-	-	-	1,300
Equipment Replacement Division	495	245	510	470	245	420	510	2,400
Facilities Maintenance Division	-	-	-	-	-	-	-	-
Inter-Governmental Sources	150	-	-	-	-	-	-	-
Municipal Center Fund	-	-	-	-	-	-	-	-
Water and Sewer Fund	5	-	15	-	-	35	-	50
ECD Fund	-	20	-	-	-	-	-	20
Grand Total	1,260	765	2,030	2,220	360	520	540	6,435

PROJECT	Computer Equipment	Account #	311-45300-6010 (Disaster Recov.) 310-41640-89540 (Hardware Repl.)
PROGRAM	Technology	RESPONSIBLE DEPARTMENT	Technology

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

STATUS FY 2013 provided for implementation of a disaster recovery system, including necessary servers, switches, etc. to create a network back-up system at the Library which is now operational. It also provided for implementation of a remote computer monitoring system for all back-up generators at city buildings and radio towers. Mobile data laptops in public safety vehicles are being replaced in FY 2013 and 2014. Also in 2014, ten network and application based servers will be replaced. Note that a final decision on replacement of some items is based upon the condition and performance of the item at that time, and some items scheduled for replacement in FY 2014 may be delayed to FY 2015 or later if the item's performance is satisfactory.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Computer/Hardware/Equipment	505	225	370	445	225	280	460	2,005
Mobile Data/GPS Equipment								
Disaster Recovery System	390							
TOTAL EXPENDITURES	895	225	370	445	225	280	460	2,005
SOURCE OF FUNDS								
Capital Projects Fund	425							
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division	470	225	370	445	225	280	460	2,005
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	895	225	370	445	225	280	460	2,005

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.

Given the many man-made and natural disaster threats to computer networks today, having a well-planned and secure network back-up system is vitally important to the continuation of city business following a disaster.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):

0

(periodic replacement reduces on-going maintenance cost)

OFFSETTING REVENUE:

PROJECT	Emergency Communications Center	Account #	450-13080
PROGRAM	General Facilities & Equipment	RESPONSIBLE DEPARTMENT	Police/Fire/Technology

DESCRIPTION This project provides for upgrades to the 911 dispatch center and associated computer technology, software and other equipment needed to maintain a state of the art Public Safety 911 emergency telephone system and emergency communications center. Recent major renovations included expansion of the center's floor space, purchase of a new 911 telephone switch, installation of an uninterrupted power supply (UPS) for dispatch center systems, an upgraded generator for the Municipal Center, and upgrade of the dispatch radio consoles.

STATUS The renovation of the dispatch center, including the installation of new equipment, was completed in spring 2012. FY 2014 funding provides for installation of three (3) new video control modules for the large screen monitors. Current technology does not provide for clear video signals from computers, greatly reducing the effectiveness of the displays to ECD personnel. Acquisition of the three control modules will allow maximum utilization of the monitors.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Architecture/Engineering								
Electrical/Generator								
Computer Equipment		20						20
Communication Equipment								
Computer Software								
Construction								
TOTAL EXPENDITURES	-	20	-	-	-	-	-	20
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund		20						20
TOTAL FUNDS	-	20	-	-	-	-	-	20

JUSTIFICATION

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

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

0

OFFSETTING REVENUE:

PROJECT	Fiber Optic Network	Account #	311-45300-6005
PROGRAM	Technology	RESPONSIBLE DEPARTMENT	Technology

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

STATUS The TDOT project to extend the traffic signal system fiber network east on Concord Rd. from Wilson Pike to Sunset Road as well as the City funded project to extend fiber from Concord to Safety Center East will be completed at the same time. FY 2013 funding was also programmed to construct a point of connection between the Brentwood and Franklin fiber networks. FY 2014 funding is provided to construct a southeastern fiber loop from the Safety Center East back to Wilson Pike along Ragsdale and Split Log roads. FY 2015 funding is programmed to construct a northern loop by extending fiber along Wilson Pike between Concord Road and Church Street. FY 2017 funding provides for extension of the fiber network along Franklin Road between Concord Road and Moores Lane following completion of the Franklin Road widening project. FY 2014 funding is subject to a FY 2013 special year-end appropriation of \$140,000 from the General Fund to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering	15	40	40		10			90
Construction	215	100	100		75			275
TOTAL EXPENDITURES	230	140	140	-	85	-	-	365
SOURCE OF FUNDS								
Capital Projects Fund	80	140						140
General Fund			140		85			225
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources	150							
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	230	140	140	-	85	-	-	365

JUSTIFICATION

Expansion of the traffic signal fiber network along Concord Rd. East is critical for effective monitoring of the new signals from the Traffic Operations Center. The City-owned fiber optic network also 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. The fiber connection to Franklin will provide for enhanced sharing of data between the two cities, and allow each city to view the other's traffic monitoring cameras, which is important in the Cool Springs area. Also important is that it will provide a fiber connection to the County through the existing Franklin/Williamson County fiber connection.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures (net)	5
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>5</u>
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(pole attachment fees to utilities)

OFFSETTING REVENUE:

PROJECT	GIS	Account #	311-45300-6008
PROGRAM	Technology	RESPONSIBLE DEPARTMENT	Technology

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

STATUS FY 2013 funding provided for completion of the full update of the base aerial and topographic mapping systems used within the City's GIS system. The aerial photography was completed early in calendar year 2012 (FY 2012), and the integration of the new data into the City's GIS mapping system was completed at the end of calendar year 2012 (FY 2013). Periodic aerial photography updates as well as full mapping system updates are programmed for the remainder of the six-year CIP period.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
GIS	20		40			100		140
TOTAL EXPENDITURES	20	-	40	-	-	100	-	140
SOURCE OF FUNDS								
Capital Projects Fund	15							
General Fund			25			65		90
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund	5		15			35		50
ECD Fund								
TOTAL FUNDS	20	-	40	-	-	100	-	140

JUSTIFICATION

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

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S): 0

OFFSETTING REVENUE:

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

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

STATUS FY 2014 funding is provided for continuing upgrade of older microwave receiver equipment at existing radio tower sites to eliminate problems with periodic lost signals due to distance and heat waves. Brentwood, Franklin, and Williamson County are exploring the possibility of expanding Franklin's 800 mhz radio system to cover the entire county. If implemented, the new system will enable all public safety agencies and schools in Williamson County to communicate using the same technology. Very preliminary cost estimates show Brentwood's share of the system being approximately \$3 million. If approved, work on the project would begin in FY 2015. A FY 2013 special year-end transfer of \$1,060,000 from the General Fund to the Capital Projects is proposed to fund the microwave receiver upgrade in FY 2014 and to reserve a portion of the future funding needed for the countywide radio project. Future funding for the project would include \$1.3 million in G.O. Bond proceeds from the planned FY 2016 (CY 2015) bond issue.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering								
Equipment	60	60	1,310	1,750				3,120
Construction								
TOTAL EXPENDITURES	60	60	1,310	1,750	-	-	-	3,120
SOURCE OF FUNDS								
Capital Projects Fund	60	60	1,000					1,060
General Fund			60	700				760
General Fund (Unreserved Balance)								
G O Bond Proceeds			250	1,050				1,300
Equipment Replacement Division								
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	60	60	1,310	1,750	-	-	-	3,120

JUSTIFICATION

Despite technology advances in recent years with alternative forms of communication, the standard radio system remains the City's primary method of communication by employees in the field. It is also the most reliable communications system between departments during an emergency event or disaster when immediate communication is essential and cell phones and other forms of technology are overwhelmed though use by the general public. As the City has grown geographically over the years, upgrades and expansion of the radio system is needed to ensure the most effective communication via advances in technology.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	50
Debt Service	85

ANNUAL OPERATING BUDGET IMPACT (000'S): 135

(New radio system would require annual maintenace fees)

OFFSETTING REVENUE:

PROJECT	Software Systems	Account #	311-45300-6002 (GEMS), 5023 (Website), 310-41640-89550 (ERF)
PROGRAM	Technology	RESPONSIBLE DEPARTMENT	Technology

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

STATUS FY 2013 funding provided for routine replacement of network software systems. FY 2014 funding provides for replacement of the Records Management and Court software systems for the Police Department at a cost of \$300,000. Other expenditures shown are routine system software replacements. FY 2014 funding in the Capital Projects Fund for the police software systems is subject to a FY 2013 special year-end transfer of \$300,000 from the General Fund to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Miscellaneous Software	25	20	140	25	20	140	50	395
Specialized Department Software		300						300
TOTAL EXPENDITURES	25	320	140	25	20	140	50	695
SOURCE OF FUNDS								
Capital Projects Fund		300						300
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Equipment Replacement Division	25	20	140	25	20	140	50	395
Facilities Maintenance Division								
Inter-Governmental Sources								
Municipal Center Fund								
Water and Sewer Fund								
ECD Fund								
TOTAL FUNDS	25	320	140	25	20	140	50	695

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.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

**Personnel Services
Operating Expenditures
Debt Service**

ANNUAL OPERATING BUDGET IMPACT (000'S):

0

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 FY 2013 funding was provided for installation of one additional siren in the Split Log Road/Ragsdale Road area. This siren is expected to be installed by the end of FY 2013. Periodic funding is provided in future years for expansion or replacement sirens as may be needed.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Warning Siren	30		30		30		30	90
TOTAL EXPENDITURES	30	-	30	-	30	-	30	90
SOURCE OF FUNDS								
Capital Projects Fund	30							
General Fund			30		30		30	90
General Fund (Unreserved 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	30	-	30	-	30	-	30	90

JUSTIFICATION

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

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	1
Debt Service	

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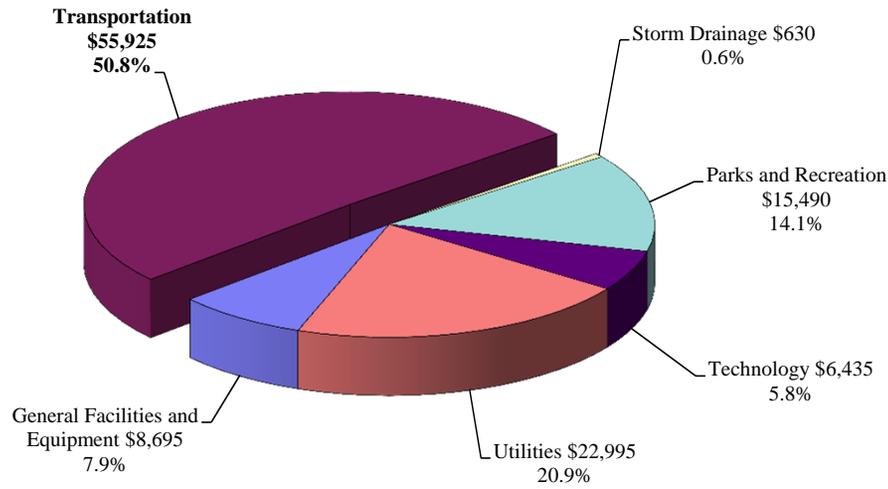
OFFSETTING REVENUE:



TRANSPORTATION

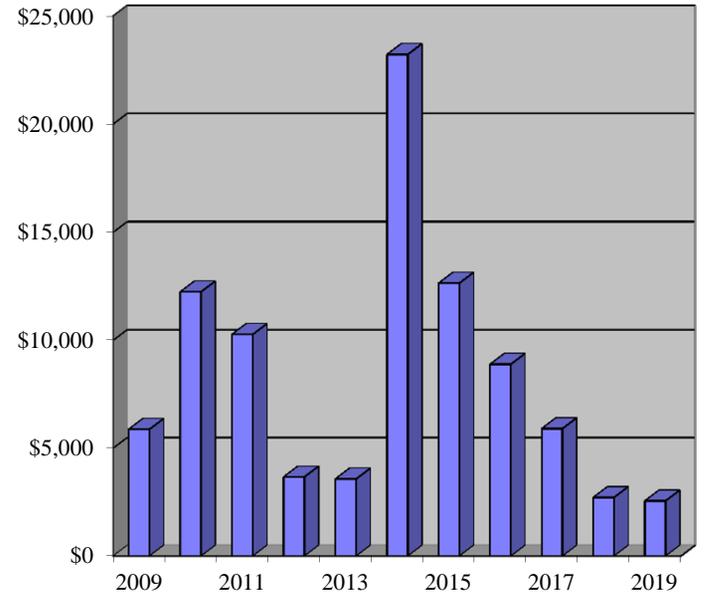
TRANSPORTATION

FISCAL YEARS 2014-2019



Amounts in 000's

Transportation Annual Expenditures



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014 - 2019
Transportation - Summary
(000's)

<u>Projects</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-19</u>
Bikeway Improvements	50	385	175	175	175	175	175	1,260
Concord Road (west of Arrowhead Drive)	510	3,920	1,000	-	-	-	-	4,920
Concord Road (east of Edmondson Pike)	300	14,000	5,000	-	-	-	-	19,000
Franklin Road (south section)	150	2,600	4,000	6,000	3,000	-	-	15,600
Sidewalks	-	210	50	50	50	50	50	460
Split Log Road	65	25	-	-	-	-	-	25
Street Lighting	-	-	20	20	20	20	20	100
Street Resurfacing	1,900	2,000	2,100	2,100	2,010	2,010	2,010	12,230
Sunset Road	30	-	-	85	350	-	-	435
Town Center Area	-	-	300	300	300	300	300	1,500
Traffic Signal Upgrades	410	75	-	160	-	160	-	395
Wilson Pike	155	-	-	-	-	-	-	-
Grand Total	3,570	23,215	12,645	8,890	5,905	2,715	2,555	55,925
<u>Source of Funds</u>								
Capital Projects Fund	1,940	2,035	1,600	300	300	300	300	4,835
General Fund	460	660	1,155	1,415	1,255	1,415	1,255	7,155
General Fund (Unreserved Balance)	-	-	-	-	-	-	-	-
G O Bond Proceeds	-	-	-	-	-	-	-	-
Facilities Maintenance Division	50	50	50	50	50	50	50	300
Private Sources	-	-	-	-	-	-	-	-
Public Works Project Fund	-	1,400	-	85	350	-	-	1,835
Inter-Governmental Sources	80	17,560	8,800	6,000	3,000	-	-	35,360
State Street Aid Fund	1,040	1,040	1,040	1,040	950	950	950	5,970
Water and Sewer Fund	-	470	-	-	-	-	-	470
Grand Total	3,570	23,215	12,645	8,890	5,905	2,715	2,555	55,925

PROJECT	Bikeway Improvements	Account #	311-43100-1001
PROGRAM	Transportation	RESPONSIBLE DEPARTMENT	Parks/Recreation

DESCRIPTION This project provides for the extension of off-road bikeways in the City to connect city parks, neighborhoods, schools and other points of interest. This project is in addition to separated bikeway segments that are included as part of certain new roadway projects such a Concord Road East and Split Log Road. The ultimate goal is to have a City-wide bikeway system that links Brentwood High to Ravenwood High; Concord Road to Wilson Pike via Green Hill Blvd/Raintree Pkwy; Concord Road from Green Hill Blvd to Nolensville Road; Franklin Road from Moores Lane to Concord Road; and Split Log Road from Wilson Pike to the city limits.

STATUS FY 2013 funding for bikeway network expansion is proposed to be carried over to FY 2014 for construction of a connection between the River Oaks subdivision and Deerwood Arboretum via a new bike/pedestrian bridge over the Little Harpeth River. This connection is subject to acquisition of necessary easements from affected property owners. Also programmed is annual funding of \$50,000 from the Facilities Maintenance Fund to overlay older sections of the City's trails as well as \$125K annually beginning in FY 2015 for expansion of the trails network as opportunities are identified. Note that additional expansion of the City's trail system will occur via completion of the Concord Road widening projects expected to begin construction by summer of 2013.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering		35	10	10	10	10	10	85
Right of Way Acquisition		25						25
Utility Relocation								
Construction	50	325	165	165	165	165	165	1,150
TOTAL EXPENDITURES	50	385	175	175	175	175	175	1,260
SOURCE OF FUNDS								
Capital Projects Fund		335						335
General Fund			125	125	125	125	125	625
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	50	50	50	50	50	50	50	300
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	50	385	175	175	175	175	175	1,260

JUSTIFICATION

Bikeway improvements are a high priority in the Brentwood 2020 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.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	75
Debt Service	

(When fully completed)

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>75</u>
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OFFSETTING REVENUE:

PROJECT	Concord Road (west of Arrowhead Drive)	Account #	311-43100-1021
PROGRAM	Transportation	RESPONSIBLE DEPARTMENT	Public Works

DESCRIPTION This project provides for improvements to a substandard section of Concord Road between Jones Parkway and Arrowhead Drive. Included is a 3 lane, curb and gutter road section, a separated bikeway on the south side of the road from Arrowhead Drive to Wilson Pike, a sidewalk on the north side from Arrowhead Drive to Jones Parkway, and the relocation of affected utilities.

STATUS The City is paying for design and ROW acquisition plus a 20% local match to secure \$3.64 million in Federal construction funding that has been allocated through the MPO. Engineering design work is complete and ROW acquisition should be completed by late spring 2013. Construction is targeted to begin late summer of 2013 and will take approximately 12 months to complete. This project will require the relocation of 1,800 linear feet of 12” ductile iron water line with a portion of the cost subject to reimbursement from federal funds.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering	10							
Right of Way Acquisition	400							
Utility Relocation	100	1,120						1,120
Construction		2,800	1,000					3,800
TOTAL EXPENDITURES	510	3,920	1,000	-	-	-	-	4,920
SOURCE OF FUNDS								
Capital Projects Fund	430	690	200					890
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources	80	2,760	800					3,560
State Street Aid Fund								
Water and Sewer Fund		470						470
TOTAL FUNDS	510	3,920	1,000	-	-	-	-	4,920

JUSTIFICATION

This substandard section of Concord Road has two 10-foot wide lanes, no shoulders and severe vertical/horizontal curves. It is inadequate to handle increased traffic on this critical east/west arterial road in the center of Brentwood. With the scheduled improvements by TDOT to Concord Road - east of Sunset Road, this is the only remaining substandard section of Concord Road from Franklin Road to Nolensville Road. A three lane roadway design will be consistent with roadways sections that have been or will be improved from Arrowhead Drive east to Nolensville Road.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	
Debt Service	0

ANNUAL OPERATING BUDGET IMPACT (000'S):	0
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(Concord Road is the maintenance responsibility of TDOT)

OFFSETTING REVENUE:

PROJECT	Concord Road (east of Edmondson Pike)	Account #	311-43100-1003
PROGRAM	Transportation	RESPONSIBLE DEPARTMENT	Public Works

DESCRIPTION This project provides for improvements to a 3.6 mile section of Concord Road from Edmondson Pike to Nolensville Road. The project will include a continuous three (3) lane pavement section with curb and gutter within a 94 foot wide ROW. Also included will be a continuous ten (10) foot wide separated bikeway/walkway built a minimum four (4) feet behind the south curb of the road. The City was also required by TDOT to purchase extra ROW along the north side to permit future expansion of the road to a five (5) lane section.

STATUS The City paid for engineering services and ROW acquisition within Brentwood and TDOT will pay for all utility relocations/road construction and ROW acquisition outside of Brentwood. Phase 1 construction between Edmondson Pike and Sunset Road was completed in December 2010. ROW acquisition by the City from Sunset Rd. to the eastern city limits is complete. FY 2013 funding from the Capital Projects Fund is shown for final ROW acquisition settlements for the project and a small sewer extension needed to maintain service to a home after road construction. State funding for Phase 2 construction is in TDOT's current road improvement budget. A TDOT construction contract is expected to be awarded by summer of 2013 and take an expected 18-24 months to complete.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering								
Right of Way Acquisition	300	200						200
Utility Relocation		2,800						2,800
Construction		11,000	5,000					16,000
TOTAL EXPENDITURES	300	14,000	5,000	-	-	-	-	19,000
SOURCE OF FUNDS								
Capital Projects Fund	300	200						200
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources		13,800	5,000					18,800
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	300	14,000	5,000	-	-	-	-	19,000

JUSTIFICATION

The existing roadway section, with two 10-foot wide lanes, no shoulders and severe horizontal and vertical curves, is the primary east/west arterial road serving the fast growing areas of east Brentwood, Nolensville & south Davidson County. It is inadequate to handle increased traffic demands and provides no alternative travel option for bicycles and pedestrians. Local funding for design and ROW acquisition was essential for receiving a commitment by TDOT to fund utility relocations and reconstruction of this State highway.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	
Debt Service	0
(Debt service for FY 2008 bonds already funded)	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>0</u>
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(Concord Road is the maintenance responsibility of TDOT)

OFFSETTING REVENUE:

PROJECT	Franklin Road (south section)	Account #	311-43100-1016
PROGRAM	Transportation	RESPONSIBLE DEPARTMENT	Public Works

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

STATUS The City has entered into a joint agreement with TDOT to undertake this project. The City will pay for engineering and ROW acquisition with TDOT paying for utility relocations and construction cost. Preliminary engineering work is complete. ROW appraisals and acquisition is targeted to begin in the summer of 2013 and be completed by the end of calendar year 2014. TDOT currently has limited utility relocation funding included in its three-year work plan for this project. TDOT has agreed to the new ROW schedule and is expected to provide construction funding beginning in FY 2015. Existing funding in the Capital Projects Fund was made available via a FY 2013 transfer of \$1.25 million from Public Works Project Fees and a FY 2013 direct transfer of \$250,000 from the General Fund. Additional funding will be provided in FY 2014 via \$1.0 million in federal funds through the MPO plus a proposed \$1.4 million transfer from the Public Works Project Fund.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering		100						100
Right of Way Acquisition	150	2,500	1,000					3,500
Utility Relocation								
Construction			3,000	6,000	3,000			12,000
TOTAL EXPENDITURES	150	2,600	4,000	6,000	3,000	-	-	15,600
SOURCE OF FUNDS								
Capital Projects Fund	150	200	1,000					1,200
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund		1,400						1,400
Inter-Governmental Sources		1,000	3,000	6,000	3,000			13,000
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	150	2,600	4,000	6,000	3,000	-	-	15,600

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 2020 Plan. The widening will be needed to handle the projected future traffic demand and to reduce delays between the north Brentwood area and Cool Springs area. When completed, all sections of Franklin Road inside the City limits will be a 5 lane roadway section.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

(Franklin Road is the maintenance responsibility
of TDOT)

ANNUAL OPERATING BUDGET IMPACT (000'S):

0

OFFSETTING REVENUE:

PROJECT	Sidewalks	Account #	311-43100-1006
PROGRAM	Transportation	RESPONSIBLE DEPARTMENT	Public Works

DESCRIPTION This program provides for the construction of new sidewalks primarily along arterial and collector streets and in commercial areas where sections are missing or reconstruction of deteriorated sidewalks is needed.

STATUS Funding, including \$50,000 from the developer of the Tapestry, was provided for construction of a sidewalk along the east side of Centerview Drive connecting Brentwood Place Shopping Center on the south to Church Street on the north. With recent approval of a hotel in the Synergy Office Park, staff is working with the Synergy developer on a proposed public/private streetscape project along Centerview Drive to provide for sidewalks on both side of Centerview Drive and parallel parking along a section of Centerview Drive south of Chadwick. This project is expected to begin in summer of 2013. Additional funding is programmed in FY 2014 and beyond for other sidewalk improvement projects as may be identified from year to year. FY 2014 projects include reconstruction of damaged sidewalk sections along Franklin Road in the northern commercial area and along Concord Road from Wilson Pike to Jones Parkway, and a short, new sidewalk section connecting Williamsburg Circle to the Hill Center.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering		10						10
Construction		200	50	50	50	50	50	450
TOTAL EXPENDITURES	-	210	50	50	50	50	50	460
SOURCE OF FUNDS								
Capital Projects Fund		210						210
General Fund			50	50	50	50	50	250
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	-	210	50	50	50	50	50	460

JUSTIFICATION

Sidewalks are being used more and more for travel and exercise. The focus of this program is to complete missing sections in the network and to maintain existing ones in good condition. These improvements encourage safe and convenient pedestrian movement and hopefully reduce the number of vehicles on City streets during peak hours. Proposed Centerview improvements will create a more pedestrian friendly streetscape and help to reduce vehicle speeds.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	5
Debt Service	

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

PROJECT	Split Log Road	Account #	Phase I Phase II	311-43100-1004 311-43100-1034
PROGRAM	Transportation	RESPONSIBLE DEPARTMENT		Public Works

DESCRIPTION This project provides for the upgrade of the existing road between Wilson Pike and the eastern City limits plus associated bikeway/pedestrian improvements. Improvements include a curb and gutter section with two twelve-foot travel lanes and a center turn lane. A 10 foot wide bikeway is also provided on the south side of the road separated from the roadway by a 5 foot green strip.

STATUS FY 2013 funding represents final payment and legal fees associated with the last ROW condemnation suit from the Phase II improvements completed in 2011. FY 2014 funding is programmed to complete an alignment study for the future widening of Split Log Road from the current city limits north to Sunset Road. This area of the City's Urban Growth Boundary is expected to experience new residential subdivision growth in the coming years and it is important that the future route of an improved Split Log Road through this area be established so new development can be planned accordingly.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering		25						25
Right of Way Acquisition	65							
Utility Relocation								
Construction								
TOTAL EXPENDITURES	65	25	-	-	-	-	-	25
SOURCE OF FUNDS								
Capital Projects Fund	65	25						25
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	65	25	-	-	-	-	-	25

JUSTIFICATION

Split Log Rd. is an important east/west arterial road in the southeast section of the City. The former roadway was substandard with severe curves/narrow lane widths and a structurally deficient sub grade. This area is experiencing significant residential development which is expected for the next 5-10 years. This road is becoming an alternative route to Moores Lane in reaching the Cool Springs area via McEwen Drive (from Wilson Pike west to Cool Springs Blvd and I-65).

PROGRAM AND FACILITY COSTS:

**Personnel Services
Operating Expenditures
Debt Service**

ANNUAL OPERATING BUDGET IMPACT (000'S): 0

OFFSETTING REVENUE:

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

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

STATUS No project has been identified for FY 2014. Future funding is allocated for projects if and when they are identified.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Construction			20	20	20	20	20	100
TOTAL EXPENDITURES	-	-	20	20	20	20	20	100
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund			20	20	20	20	20	100
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	-	-	20	20	20	20	20	100

JUSTIFICATION

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

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	1
Debt Service	

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

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

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

STATUS A \$100,000 increase in total funding is proposed for FY 2014 to cover resurfacing obligations associated with additional public streets under City responsibility and rising asphalt prices. The increased funding was made possible by a FY 2013 General Fund transfer of \$300,000 to the Capital Projects Fund to be held in reserve for FY 2014 resurfacing needs plus a planned \$200,000 increase in the FY 2014 General Fund share of the resurfacing budget. Another \$300,000 direct transfer from the General Fund to the Capital Projects Fund is anticipated in FY 2014 to provide advance funding for FY 2015 resurfacing needs. The proposed funding for FY 2016 - FY 2019 assumes a continuation of an annual \$300,000 transfer from the General Fund. Any overall increase in annual funding for resurfacing beyond FY 2015 is uncertain at this point and is contingent on an increase in the State gas tax with additional funds allocated to local governments or additional significant General Fund increases allocated to resurfacing.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Construction	1,900	2,000	2,100	2,100	2,010	2,010	2,010	12,230
TOTAL EXPENDITURES	1,900	2,000	2,100	2,100	2,010	2,010	2,010	12,230
SOURCE OF FUNDS								
Capital Projects Fund	400	300	400	300	300	300	300	1,900
General Fund	460	660	660	760	760	760	760	4,360
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund	1,040	1,040	1,040	1,040	950	950	950	5,970
Water and Sewer Fund								
TOTAL FUNDS	1,900	2,000	2,100	2,100	2,010	2,010	2,010	12,230

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. At present, there are over 430 lane miles of City maintained streets. This excludes state routes maintained by TDOT.

PROGRAM AND FACILITY COSTS:

**Personnel Services
Operating Expenditures
Debt Service**

**(annual resurfacing helps reduce routine
maintenance expenses)**

ANNUAL OPERATING BUDGET IMPACT (000'S):

0

OFFSETTING REVENUE:

PROJECT	Sunset Road	Account #	311-43100-1027
PROGRAM	Transportation	RESPONSIBLE DEPARTMENT	Public Works

DESCRIPTION This project provides for improvements to Sunset Road from Concord Road to Waller Road.

STATUS Emergency safety repairs to the Owl Creek bridge near the Ragsdale Road intersection were completed in fall of 2012. Funds are programmed in FY 2016 and 2017 for proposed intersection improvements at Waller Road. These improvements would include the addition of left turn lanes. The exact timing for this project is subject to new development in the surrounding area and the availability of funding from Public Works Project Fees collected from new development. A major road widening project for this section of Sunset Road will be required at some point in the future depending on the development trends in the area.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering				35				35
Right of Way Acquisition				50				50
Utility Relocation								
Construction	30				350			350
TOTAL EXPENDITURES	30	-	-	85	350	-	-	435
SOURCE OF FUNDS								
Capital Projects Fund	30							
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund				85	350			435
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	30	-	-	85	350	-	-	435

JUSTIFICATION

Sunset Road is an important arterial road in east Brentwood. Residential growth plus Sunset Elementary & Middle Schools located east of Waller Road are generating increased traffic on the road. As development activity picks up again in this area, targeted improvements will be needed for safety reasons due to traffic volumes.

PROGRAM AND FACILITY COSTS:

**Personnel Services
Operating Expenditures
Debt Service**

ANNUAL OPERATING BUDGET IMPACT (000'S): 0

OFFSETTING REVENUE:

PROJECT	Town Center Area	Account #	311-43100-1011
PROGRAM	Transportation	RESPONSIBLE DEPARTMENT	Public Works

DESCRIPTION This project provides for design and construction of small sections of road & sidewalk improvements that facilitate redevelopment efforts in the Town Center District. The initial project was Town Center Way completed in November 2005. Actual projects will be determined based on the location and timing of private investment activity in the area.

STATUS In the fall 2009, the northern section of Pewitt Drive became a public street via right-of-way dedication from adjoining property owners and was upgraded to City standards. The timing for future projects will be driven by private development activity. No private project is expected to be in the development stages during FY 2014 that would warrant public expenditures for road improvements. Proposed sidewalk improvements along nearby Centerview Drive are included in the Sidewalk project section of the Transportation program.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering			25	25	25	25	25	125
Right of Way Acquisition								
Utility Relocation								
Construction			275	275	275	275	275	1,375
TOTAL EXPENDITURES	-	-	300	300	300	300	300	1,500
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund			300	300	300	300	300	1,500
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	-	-	300	300	300	300	300	1,500

JUSTIFICATION

The redevelopment of the original commercial areas of the City is a high priority in the Brentwood 2020 plan as updated in early 2007. Targeted road and sidewalk improvements can facilitate redevelopment activity and improve traffic circulation and are essential for having a pedestrian oriented downtown area. Similar public investments are expected in the future to facilitate private sector redevelopment and investment in the area.

PROGRAM AND FACILITY COSTS:

Personnel Services
Operating Expenditures
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S):

0

OFFSETTING REVENUE:

(An expanded tax base is expected through City investment and will cover new expenses)

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

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

STATUS FY 2013 funding provided for a system-wide upgrade of traffic signal controllers and associated equipment and software to bring the entire system up to the latest generation of controller equipment and operating systems. FY 2013 funding also provided for a new signal at the Wilson Pike/Split Log Road intersection. FY 2014 funding provides for the City's share of the joint Brentwood/Nashville traffic study of the Old Hickory and Maryland Farms area plus funding to replace five outdated signal cabinet boxes. Future funding is allocated for a new signal bi-annually with the next priority location being the Concord Road at Arrowhead Drive intersection. Installation will be tied to completion of Concord Rd. improvements from Jones Pkwy. to the intersection and a traffic engineering study justifying installation of a signal at this location.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering	5	40		10		10		60
Equipment Upgrades	225	35						35
Extraordinary Repairs								
Construction	180			150		150		300
TOTAL EXPENDITURES	410	75	-	160	-	160	-	395
SOURCE OF FUNDS								
Capital Projects Fund	410	75						75
General Fund				160		160		320
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	410	75	-	160	-	160	-	395

JUSTIFICATION

New signals provide safer vehicle movement at intersections where traffic counts/projections from the side streets are sufficient to warrant installation under the Manual for Uniform Traffic Control Devices. Traffic at the Wilson Pike/Split Log Rd intersection is expected to increase significantly with the opening of McEwen Drive to I-65 and the development of Smith Park. Continued growth in the City and surrounding areas will likely warrant additional signals in the future at warranted intersections.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	5
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	5
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OFFSETTING REVENUE:

PROJECT	Wilson Pike	Account #	311-43100-1029
PROGRAM	Transportation	RESPONSIBLE DEPARTMENT	Public Works

DESCRIPTION This project provides for minor improvements to Wilson Pike. Improvements include the construction of protected turn lanes at certain intersections with higher traffic counts and potential minor safety improvements at other substandard sections.

STATUS FY 2013 funding provided for geometric improvements to the Wilson Pike/Split Log Road intersection in conjunction with the development of Smith Park and the installation of a traffic signal at the intersection. Improvements include a dedicated left turn lane into Smith Park and a right turn lane onto Split Log Road for northbound Wilson Pike traffic and extension of the existing right turn lane into the southern most entrance of Ravenwood High School for northbound Wilson Pike. No additional projects through FY 2019 are projected at this time.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering and Design	5							
Right of Way Acquisition								
Utility Relocation								
Construction	150							
TOTAL EXPENDITURES	155	-	-	-	-	-	-	-
SOURCE OF FUNDS								
Capital Projects Fund	155							
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources								
Public Works Project Fund								
Inter-Governmental Sources								
State Street Aid Fund								
Water and Sewer Fund								
TOTAL FUNDS	155	-	-	-	-	-	-	-

JUSTIFICATION

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

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	0
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	0
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(Wilson Pike is a state highway under the control of TDOT)

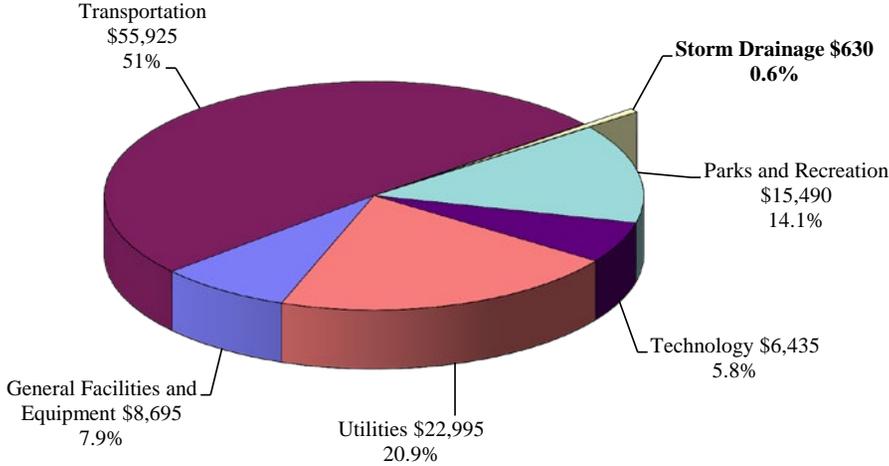
OFFSETTING REVENUE:



STORM DRAINAGE

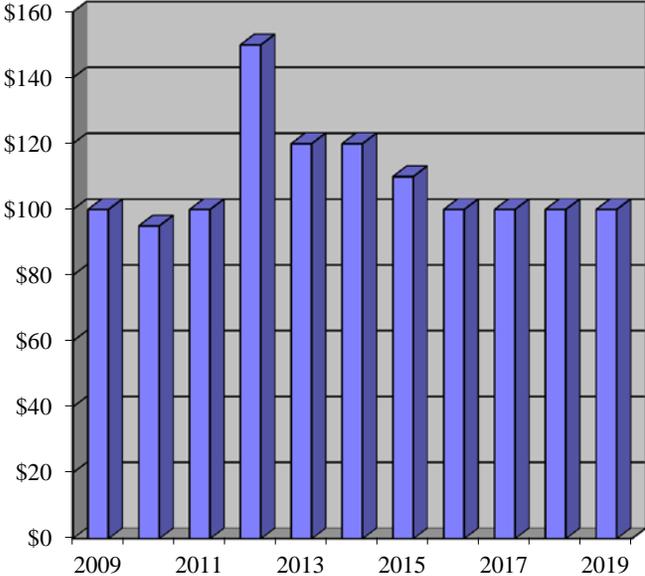
STORM DRAINAGE

FISCAL YEARS 2014-2019



Amounts in 000's

Storm Drainage Annual Expenditures



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014 - 2019
Storm Drainage Program - Summary
(000's)

<u>Projects</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-2019</u>
Bowman Lane Drainage	-	25	-	-	-	-	-	25
Lipscomb Drive Drainage Area	50	-	-	-	-	-	-	-
Regional Flood Study	20	20	10	-	-	-	-	30
Subdivision Drainage	50	50	100	100	100	100	100	550
Wilson Pike Circle Drainage	-	25	-	-	-	-	-	25
Grand Total	120	120	110	100	100	100	100	630

Source of Funds

Capital Projects Fund	70	70	10	-	-	-	-	80
General Fund	50	50	100	100	100	100	100	550
G O Bond Proceeds	-	-	-	-	-	-	-	-
Grand Total	120	120	110	100	100	100	100	630

CITY OF BRENTWOOD, TENNESSEE

CAPITAL IMPROVEMENTS PROGRAM

PROJECT	Bowman Lane Drainage	Account #	311-43150-2008
PROGRAM	Storm Drainage	RESPONSIBLE DEPARTMENT	Public Works

DESCRIPTION **This project provides for replacement of a 40 foot section of 36" storm drain pipe under Bowman Lane in the Brentwood South subdivision. Head walls will be rebuilt and outlet ditches will be regraded and resodded to prevent future erosion.**

STATUS **Drainage work will typically be scheduled for the drier, summer months. This project is scheduled for early FY 2014, weather permitting.**

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering Services								
Construction		25						25
TOTAL EXPENDITURES		25	-	-	-	-	-	25
SOURCE OF FUNDS								
Capital Projects Fund		25						25
General Fund								
G O Bond Proceeds								
TOTAL FUNDS		25	-	-	-	-	-	25

JUSTIFICATION

This storm drain pipe under Bowman Lane has collapsed. A temporary repair was made until the existing pipe can be replaced.

PROGRAM AND FACILITY COSTS:

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

ANNUAL OPERATING BUDGET IMPACT (000'S): 0

OFFSETTING REVENUE:

PROJECT	Lipscomb Drive Area Drainage	Account #	311-43150-2002
PROGRAM	Storm Drainage	RESPONSIBLE DEPARTMENT	Public Works

DESCRIPTION This project provides for spot drainage improvements along a 3,000 linear foot section of creek between Lipscomb Drive and Warner Road. Areas along this section of creek will be improved to stabilize bank erosion and remove sediment deposits impeding water flow. Moving the project forward will be subject to permit approval from TDEC.

STATUS This project is scheduled for early summer 2013 with the exact timing of work dependent on the weather.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering Services								
Construction	50							
TOTAL EXPENDITURES	50	-						
SOURCE OF FUNDS								
Capital Projects Fund	50							
General Fund								
G O Bond Proceeds								
TOTAL FUNDS	50	-						

JUSTIFICATION

This section of creek in the Brenthaven neighborhood runs adjacent to dozens of homes. Over time, this creek section has experienced bank erosion and sedimentation. Remediation is needed to prevent adverse impacts to adjoining homes. An upstream section of this creek west of Lipscomb Drive was significantly damaged during the May 2010 flood and was rehabilitated at that time.

PROGRAM AND FACILITY COSTS:

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

ANNUAL OPERATING BUDGET IMPACT (000'S):

0

OFFSETTING REVENUE:

PROJECT	Regional Flood Study	Account #	311-43150-2009
PROGRAM	Storm Drainage	RESPONSIBLE DEPARTMENT	Engineering

DESCRIPTION This project provides for the City's participation in a Corp of Engineers regional flood study of the Harpeth River drainage basin. The Brentwood portion of the study will focus on analysis of areas not currently covered by the FEMA floodplain mapping system that may be susceptible to flooding.

STATUS The joint agreement between Brentwood, Franklin, Williamson County, Metro Nashville, and the Corp of Engineers has been approved by all parties. The study will get under way this spring and continue for approximately 18 months. The City's share of the study is \$50,000 to be paid over the 18 month study period.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering Services	20	20	10					30
Construction								
TOTAL EXPENDITURES	20	20	10	-	-	-	-	30
SOURCE OF FUNDS								
Capital Projects Fund	20	20	10					30
General Fund								
G O Bond Proceeds								
TOTAL FUNDS	20	20	10	-	-	-	-	30

JUSTIFICATION

Further defining the limits of the flood plain provides the opportunity for homeowners in these areas to purchase flood insurance before a future flood event. Additionally, once these areas are recognized as flood plain, they will be regulated under the city's flood management policies. These policies address elevation of structures in the flood plain, including the location and elevation of mechanical and electrical services to these structures. Managing improvements to these structures serves to limit damage in future flood events and to protect the residents who buy and live in these structures.

PROGRAM AND FACILITY COSTS:

**Personnel Services
Operating Expenditures
Debt Service**

ANNUAL OPERATING BUDGET IMPACT (000'S):

0

OFFSETTING REVENUE:

PROJECT	Subdivision Drainage	Account #	110-43150-89440
PROGRAM	Storm Drainage	RESPONSIBLE DEPARTMENT	Public Works

DESCRIPTION This project provides annual funding to correct miscellaneous, minor storm drainage problems as identified by complaints and field inspection. Additional funding is also allocated in FY 2015 - 2019 for larger drainage projects that may be identified in the future.

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

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering Services								
Construction	50	50	100	100	100	100	100	550
TOTAL EXPENDITURES	50	50	100	100	100	100	100	550
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund	50	50	100	100	100	100	100	550
G O Bond Proceeds								
TOTAL FUNDS	50	50	100	100	100	100	100	550

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:

PROJECT	Wilson Pike Circle Drainage	Account #	311-43150-2010
PROGRAM	Storm Drainage	RESPONSIBLE DEPARTMENT	Public Works

DESCRIPTION This project provides for replacement of a 35 foot section of 24" storm water pipe under Wilson Pike Circle. It will be replaced with an elliptical pipe that will have the capacity of a 36" pipe. Head walls will be rebuilt and outlet ditches will be regraded and resodded to prevent future erosion.

STATUS Drainage work will typically be scheduled for the drier, summer months. This project is tentatively scheduled for early FY 2014.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering Services								
Construction		25						25
TOTAL EXPENDITURES	-	25	-	-	-	-	-	25
SOURCE OF FUNDS								
Capital Projects Fund		25						25
General Fund								
G O Bond Proceeds								
TOTAL FUNDS	-	25	-	-	-	-	-	25

JUSTIFICATION

The pipe under Wilson Pike Circle has deteriorated to the point of failure. Maintenance of stormwater flow necessitates replacement of the pipe.

PROGRAM AND FACILITY COSTS:

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

ANNUAL OPERATING BUDGET IMPACT (000'S):

0

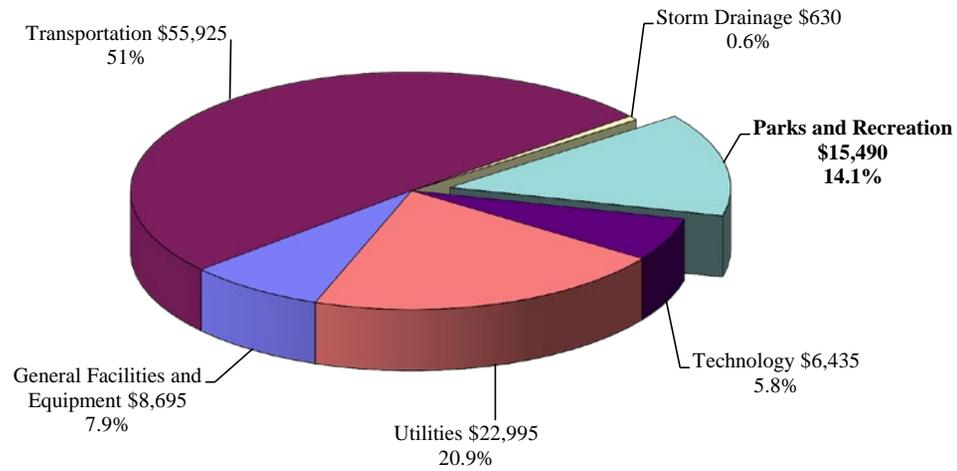
OFFSETTING REVENUE:



PARKS and RECREATION

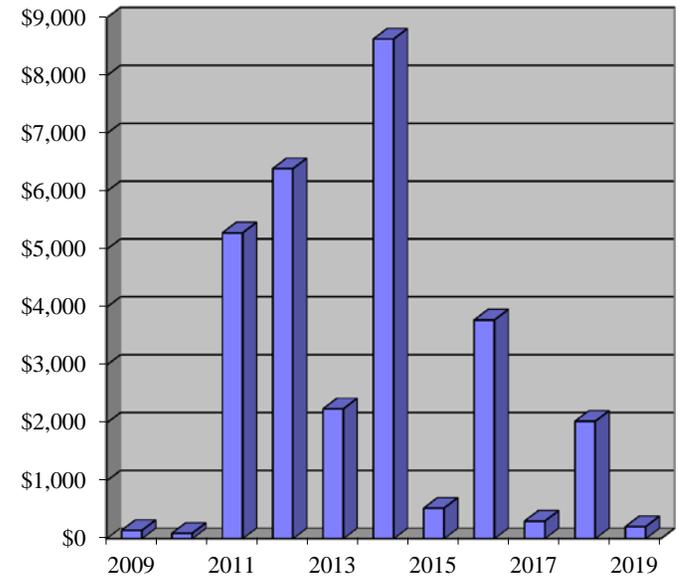
PARKS AND RECREATION

FISCAL YEARS 2014-2019



Amounts in 000's

Parks & Recreation Annual Expenditures



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014 - 2019
Parks and Recreation Program - Summary
(000's)

<u>Projects</u>	<u>Projected 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-19</u>
Crockett Park	40	30	30	135	65	30	30	320
Deerwood Arboretum	-	60	-	-	15	-	-	75
Flagpole (Southwest) Park	-	-	125	1,500	-	-	-	1,625
Granny White Park	5	165	200	115	70	30	30	610
Marcella Vivrette Smith Park	1,720	8,380	175	2,000	130	1,920	150	12,755
Margaret Powell Park	480	-	-	-	-	-	-	-
Owl Creek Park	-	-	-	25	25	25	-	75
River Park	-	-	-	-	-	25	-	25
Tower Park	-	-	-	5	-	-	-	5
Grand Total	2,245	8,635	530	3,780	305	2,030	210	15,490
<u>Source of Funds</u>								
Capital Projects Fund	760	945	-	-	-	-	-	945
General Fund	-	-	125	25	-	-	150	300
General Fund (Unreserved Balance)	750	-	-	-	-	-	-	-
G O Bond Proceeds	215	4,685	175	3,500	130	1,920	-	10,410
Facilities Maintenance Division	40	105	230	255	175	110	60	935
Private Sources	480	2,400	-	-	-	-	-	2,400
Inter-Governmental Sources	-	500	-	-	-	-	-	500
Water and Sewer Fund	-	-	-	-	-	-	-	-
Grand Total	2,245	8,635	530	3,780	305	2,030	210	15,490

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

DESCRIPTION This project provides for periodic improvements to the 164 acre comprehensive park. The park has baseball, soccer & football fields, tennis courts, playground, paved multi-use trails, the Eddy Arnold outdoor amphitheater, picnic shelters, parking & restroom facilities, the Cool Springs House and other historic structures, a disc golf course, open space, and the Williamson County Indoor Soccer Arena.

STATUS FY 2013 maintenance projects included staining/sealing all remaining buildings, including the amphitheatre, to eliminate the faded appearance and seal the stone material to assist in future graffiti removal, and sandblasting the bikeway tunnel under the CSX tracks to remove the chipped, peeling paint. FY 2014 projects include resurfacing of all 7 tennis courts and replacement of ballfield fence capping on all fields. Additional annual funding from the Facilities Maintenance Division is also allocated in future years to insure the facilities are maintained at the current high standards.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Fields, Courts etc.		30						30
Buildings, Facilities, etc.	40		30	135	65	30	30	290
Furniture/Equipment								
Landscaping/Trees								
Utilities								
TOTAL EXPENDITURES	40	30	30	135	65	30	30	320
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division	40	30	30	135	65	30	30	320
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	40	30	30	135	65	30	30	320

JUSTIFICATION

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

PROGRAM AND FACILITY COSTS:

**Personnel Services
Operating Expenditures
Debt Service**

ANNUAL OPERATING BUDGET IMPACT (000'S): 0

OFFSETTING REVENUE:

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

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

STATUS Funding from the Facilities Maintenance Division was allocated in FY 2013 for dredging of the front pond which has accumulated significant silt over the years and requires dredging to return it to a functional depth of approximately 6 feet. This project is carried forward to FY 2014, with an additional \$30,000 added based on actual cost estimates. Note that funding is provided in the Transportation section of the CIP for construction of a bridge and trail connection between Deerwood and the River Oaks subdivision.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering								
Fields, Courts etc.								
Buildings, Facilities, etc.		60			15			75
Furniture/Equipment								
Landscaping/Trees								
TOTAL EXPENDITURES	-	60	-	-	15	-	-	75
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		60	-		15			75
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	-	60	-	-	15	-	-	75

JUSTIFICATION

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

PROGRAM AND FACILITY COSTS:

**Personnel Services
Operating Expenditures
Debt Service**

ANNUAL OPERATING BUDGET IMPACT (000'S): 0

OFFSETTING REVENUE:

PROJECT	Flagpole (Southwest) Park	Account #	311-44400-3013
PROGRAM	Parks and Recreation	RESPONSIBLE DEPARTMENT	Parks and Recreation

DESCRIPTION This project provides for the master planning, design, and development of a 24 acre park dedicated to the City in FY 2011 as part of the approval for Phase 2 of the Mallory Park development. The land is located between the CSX railroad on the west and I-65 on the east, and south of Wikle Rd west and General McArthur Drive. The land is divided into two tracts. The southern tract with vehicle access through the Mallory Park commercial development will be used for active recreation purposes including unlighted athletic practice fields with parking and restroom facilities. The northern tract adjacent to Wikle Road west is targeted for more passive use by nearby residents.

STATUS The timing for construction of the park is tied to the extension of Mallory Lane by the developer through Phase 2 of Mallory Park and availability of funding. The road extension is underway and should be complete by the end of calendar year 2013. Master planning of the park and engineering design of improvements are planned to begin fall of 2014 (FY 2015) with construction of park improvements expected to begin in summer of 2015. Construction funding is subject to the issuance of \$1,500,000 in G.O. Bonds in CY 2015.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering			125					125
Buildings, Facilities, etc.				1,500				1,500
TOTAL EXPENDITURES	-	-	125	1,500	-	-	-	1,625
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund			125					125
General Fund (Unreserved Balance)								
G O Bond Proceeds				1,500				1,500
Facilities Maintenance Division								
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	-	-	125	1,500	-	-	-	1,625

JUSTIFICATION

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

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	20
Debt Service	97

ANNUAL OPERATING BUDGET IMPACT (000'S): 117

(When park area is fully developed and operational)

OFFSETTING REVENUE:

PROJECT	Granny White Park	Account #	311-44410-3003
PROGRAM	Parks and Recreation	RESPONSIBLE DEPARTMENT	Parks and Recreation

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

STATUS FY 2013 funding provided for implementation of a recycling program, the cost of which was partially covered by a TDEC solid waste grant of \$2,500. Funding is provided in FY 2014 for construction of a restroom facility near the pavilion and playground, resurfacing of the tennis courts, and replacement of ballfield fence caps. Future maintenance projects include renovation of the basketball court, lighting system updates, replacement of the pavilion ceiling, renovation of the irrigation system and additional playground equipment updates. FY 2014 funding for the restroom facility is subject to a special FY 2013 year-end transfer of \$150,000 from the General Fund to the Capital Projects Fund.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Fields, Courts etc.			200					200
Buildings, Facilities, etc.		165		115	70	30	30	410
Furniture/Equipment	5							
Landscaping/Trees								
TOTAL EXPENDITURES	5	165	200	115	70	30	30	610
SOURCE OF FUNDS								
Capital Projects Fund	5	150						150
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division		15	200	115	70	30	30	460
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	5	165	200	115	70	30	30	610

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

DESCRIPTION This 320 acre park south of Split Log Rd and west of Wilson Pike includes open pastures, wooded hillsides, the historic Ravenswood home and associated outbuildings and barns. Proposed improvements include a vehicle & pedestrian access bridge across the railroad, unlighted multi-purpose fields, unpaved hiking trails, a paved multi-use trail connecting to the City's existing trail network, renovation of the historic Ravenswood house for public use, picnic shelters, and a possible mountain bike trail network.

STATUS Construction of Phase 1 improvements including the new access road, historic home renovation, hiking trails and associated parking facilities will commence this spring with the official park opening expected in spring 2014. Full funding for Phase 1 improvements in the Capital Projects Fund is subject to the issuance of \$4.9 million in G.O. bonds later in CY 2013, a FY 2013 special year-end transfer of \$750,000 from the General Fund Unreserved Fund Balance, and a FY 2014 transfer of \$750,000 from the Adequate Facilities Tax fund. Funding from private and inter-governmental sources (\$2.9 million) is projected in CY 2013 (FY 2014) for acquisition of the remaining 77+ acres under option to the City. Funding for design and construction of Phases 2 and 3 in accordance with the adopted master plan is subject to the issuance of G.O. bonds in the amount of \$2.175 million in CY 2015 and \$2.05 million in CY 2017.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Planning/Engineering	100	80	175	65	100	60	150	630
Park Land Acquisition		2,900						2,900
Construction/Development	1,325	4,740		1,935		1,465		8,140
Historic Structure Renovation	250	650				375		1,025
TOTAL EXPENDITURES	1,720	8,380	175	2,000	130	1,920	150	12,755
SOURCE OF FUNDS								
Capital Projects Fund	755	795						795
General Fund							150	150
General Fund (Unreserved Balance)	750							
G O Bond Proceeds	215	4,685	175	2,000	130	1,920		8,910
Facilities Maintenance Division								
Private Sources		2,400						2,400
Inter-Governmental Sources		500						500
Water and Sewer Fund								
TOTAL FUNDS	1,720	8,380	175	2,000	130	1,920	150	12,755

JUSTIFICATION

This park land acquisition allows the City to significantly increase the amount of quality, permanent open space in the community in a location that is directly accessible from an already improved arterial road and by the City's bikeway network. The land adds a new feature to the City's comprehensive park system by preserving a significant amount of forested wildlife habitat in its natural state, with hiking trails for outdoor enthusiasts. This property is large enough to allow for development of additional multipurpose fields to meet the increasing demand from soccer, lacrosse, rugby, etc. and permanent preservation of the historically significant and structurally sound home on the property and enable future use by the City.

PROGRAM AND FACILITY COSTS:

Personnel Services	60
Operating Expenditures	120
Debt Service (2 bond issues totaling \$8.85 M)	910

ANNUAL OPERATING BUDGET IMPACT (000'S):	1,090
(When park is fully developed)	

OFFSETTING REVENUE:	75
(Historic House Rental)	

PROJECT	Margaret Powell Park	Account #	311-44400-3016
PROGRAM	Parks and Recreation	RESPONSIBLE DEPARTMENT	Parks and Recreation

DESCRIPTION This project provides for the planning, design, and development of a 24 acre park dedicated to the City in FY 2013 as part of the approval for the Virginia Springs office development near the intersection of Virginia Way and Granny White Pike. 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 Construction of the park improvements was completed in fall 2012 and the park property was officially accepted by the City in December 2012. The park is now open to the public with a formal opening ceremony planned for April 2013. All costs associated with design and construction of this park were paid by the developer of the commercially zoned tract adjacent to the park. While no future capital expenses are projected at this time, additional tree plantings and other landscape improvements will be carried out as the need is identified through the operating budget of the Parks Department.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering	10							
Buildings, Facilities, etc.	470							
TOTAL EXPENDITURES	480	-	-	-	-	-	-	-
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund								
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division								
Private Sources	480							
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	480	-	-	-	-	-	-	-

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.

LOCATION MAP

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	40
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>40</u>
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(Mowing, upkeep and utilities)

OFFSETTING REVENUE:

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

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

STATUS Installation of four-board fencing along the entire Concord Road frontage of the park and an entrance feature is planned for FY 2016 pending completion of the Concord Road East improvement project. Facilities Maintenance funding is projected beginning in FY 2017 for phased replacement of the boardwalk sections of the multi-use trail in this park.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Planning/Engineering								
Buildings, Facilities, etc.					25	25		50
Furniture/Equipment								
Landscaping/Trees				25				25
TOTAL EXPENDITURES	-	-	-	25	25	25	-	75
SOURCE OF FUNDS								
Capital Projects Fund								
General Fund				25				25
General Fund (Unreserved Balance)								
G O Bond Proceeds								
Facilities Maintenance Division					25	25		50
Private Sources								
Inter-Governmental Sources								
Water and Sewer Fund								
TOTAL FUNDS	-	-	-	25	25	25	-	75

JUSTIFICATION

The development of a neighborhood oriented park in east Brentwood was a high priority in the Brentwood 2020 Plan. 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:

JUSTIFICATION

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

LOCATION MAP

PROGRAM AND FACILITY COSTS:

**Personnel Services
Operating Expenditures
Debt Service**

ANNUAL OPERATING BUDGET IMPACT (000'S): 0

(Improvements will lower routine maintenance/repair expenses)

OFFSETTING REVENUE:

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	10
Operating Expenditures	5
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S): 15

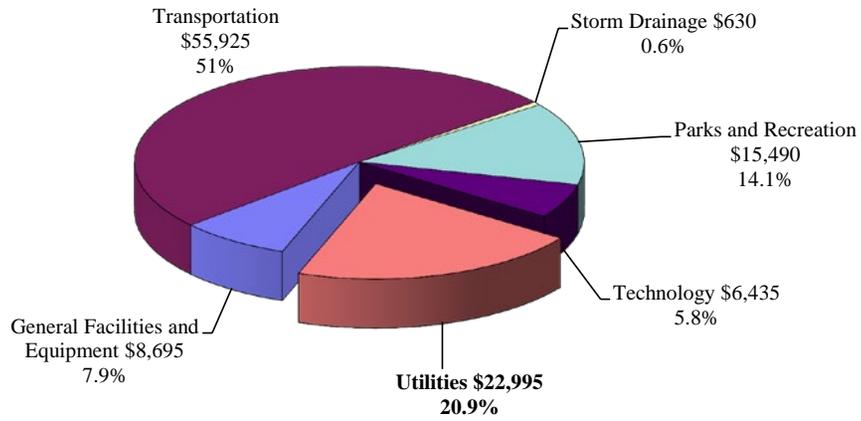
OFFSETTING REVENUE:



UTILITIES

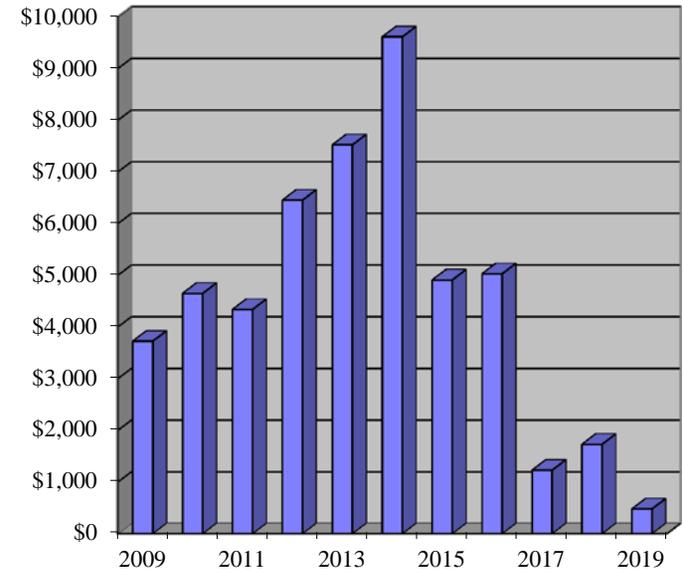
UTILITIES

FISCAL YEARS 2014-2019



Amounts in 000's

Utilities Annual Expenditures



Amounts in 000's

City of Brentwood, Tennessee
Capital Improvements Program
Fiscal Year 2014-2019
Water and Sewer Program - Summary
(000's)

<u>Projects</u>	<u>Projected FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Total 6 Years 2014-2019</u>
Brentwood Sewer Rehabilitation	5,615	3,345	1,000	4,000	-	-	-	8,345
Harpeth Valley Water Line Connector	55	-	-	-	-	-	-	-
Meter Reading Program Upgrade	550	550	550	550	-	-	-	1,650
Miscellaneous Sewer Service Additions	-	40	40	40	40	40	40	240
Miscellaneous Sewer System Improvements	-	110	110	110	110	110	110	660
Miscellaneous Water System Improvements	110	110	110	110	110	110	110	660
Peach Court Utility Improvements	150	-	-	-	-	-	-	-
Sewer Lift Station Rehabilitation	70	160	-	-	-	-	-	160
Sewer System Model	-	75	-	-	-	-	-	75
Water Line Replacement Program	15	425	220	220	220	220	220	1,525
Water System Capacity Improvements	960	4,800	2,880	-	750	1,250	-	9,680
Grand Total	7,525	9,615	4,910	5,030	1,230	1,730	480	22,995
<u>Source of Funds</u>								
Water & Sewer Fund	950	1,465	1,025	1,025	475	475	475	4,940
Private Sources	-	5	5	5	5	5	5	30
Water & Sewer Bond/Note Proceeds	6,575	8,145	3,880	4,000	750	1,250	-	18,025
Grand Total	7,525	9,615	4,910	5,030	1,230	1,730	480	22,995

PROJECT	Brentwood Sewer Rehabilitation	Account #	412-16700-8023
PROGRAM	Utilities	RESPONSIBLE DEPARTMENT	Water & Sewer

DESCRIPTION **This comprehensive, multi-year project targets flow monitoring, inspection, rehabilitation and repair of cracked sections and leaking joints in the main sewer trunk line running along the Little Harpeth River and its primary sub-basins. This project also includes upgrades and improvements to the City's primary sewer pump station located west of Hillsboro Road behind Christ Presbyterian Church, repairs to leaking manholes and individual sewer service connections and the potential addition of storage facilities.**

STATUS **Under the final CAP/ER approved by TDEC, the City has committed to spend up to \$30 million on the sewer system rehabilitation/upgrade program. The work was originally expected to take seven years to complete, however extensions have been granted and completion is now expected in FY 2016. In FY 2014, service lines and manholes will continue to be the focus with some pipe lining being completed. This significant capital investment will require the issuance of additional Water/Sewer Revenue Bonds over the next 3 years. To date, rehabilitation work has eliminated in excess of 700 million gallons of annual I/I (stormwater) which is approximately a 41% reduction in total flow to Metro. Rehabilitation requirements in FY 2016 and beyond will be determined following the submission of the CAP/ER final report in fall 2014.**

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering/Inspection	525	575	500	250				1,325
Construction	5,090	2,770		3,750				6,520
Land Acquisition			500					500
TOTAL EXPENDITURES	5,615	3,345	1,000	4,000	-	-	-	8,345
SOURCE OF FUNDS								
Water & Sewer Fund								
Private Sources								
Water & Sewer Bond/Note Proceeds	5,615	3,345	1,000	4,000				8,345
TOTAL FUNDS	5,615	3,345	1,000	4,000	-	-	-	8,345

JUSTIFICATION

TDEC has directed the City to reduce inflow/infiltration of stormwater in the sewer truck lines and eliminate sewer by-passes that periodically occur at the Brentwood/Metro sewer pumping station during major storm/flooding events. Measured reductions to date were essential for partial lifting of the moratorium on approval of new connections to public sewer in the Little Harpeth River drainage basin. Reductions in stormwater inflow/infiltration also reduces the cost of wastewater treatment services from Metro Nashville.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	(1,050)
(Repairs will lower treatment costs by reducing storm water infiltration into the system)	
Debt Service	1,690
(Annual total new cost from the issuance of new bonds in CY 2010, 2012, 2013 and 2014)	
ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>640</u>

OFFSETTING REVENUE:

(Capital program is funded by a 25% increase in sewer rates approved in the spring 2008)

JUSTIFICATION

Providing a direct connection to the City's River Oaks water booster station from the higher elevated HVUD Johnson Chapel tank will increase flow capacity into the City's water system. It will also allow the City to abandon a meter connection with HVUD at Kingsbury Drive and purchase water at a lower unit cost through the larger Johnson Chapel connection. HVUD will benefit by increased flows into its system to serve their residential customers in the Laurelwood and Wildwood subdivisions.

PROGRAM AND FACILITY COSTS:

**Personnel Services
Operating Expenditures
Debt Service (Reflected in Water Capacity Project)
(Project will result in reduced water purchase costs)**

ANNUAL OPERATING BUDGET IMPACT (000'S):

0

OFFSETTING REVENUE:

PROJECT	Meter Reading System	Account #	412-16700-8051
PROGRAM	Utilities	RESPONSIBLE DEPARTMENT	Water & Sewer

DESCRIPTION This multi-year project will upgrade the current "touch-read" water meter reading technology adopted 20+ years ago to the state of the art "fixed-based" reading technology utilizing radio antenna on existing towers located across the city. The proposed fixed-based reading system includes the installation of meter reading equipment on at least 3 tower sites and the replacement of reading transmitters and registers on the meters at each customer site.

STATUS FY 2013 funding for this multi-year project provided for the installation of remote meter reading equipment at the existing Robert E. Lee radio tower site and at the Trinity radio tower site and installation approximately 1,500 new meters and radio units at customer sites. As of March 2013, approximately 357 new meters had been installed, and the system's performance and reliability was very high. In FY 2014, reading equipment is planned for a third tower site, the location of which is currently being evaluated, along with additional meters and radio units at customer sites within those reading areas.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering								
Construction	550	550	550	550				1,650
TOTAL EXPENDITURES	550	550	550	550	-	-	-	1,650
SOURCE OF FUNDS								
Water & Sewer Fund	550	550	550	550				1,650
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	550	550	550	550	-	-	-	1,650

JUSTIFICATION

The unaccounted for loss of water results in significant revenue losses annually for most water systems. Newer meter reading technology will allow the City to better manage these water losses with "on demand" data collection and leak notification features as opposed to simply reading a meter each month, sending a bill and attempting to diagnose a possible leak weeks later. The system upgrade will reduce the amount of lost revenue to the City and provide enhanced features via the system software that will allow customers to access their accounts and establish immediate notification alerts when there is an unusual pattern of water consumption.

PROGRAM AND FACILITY COSTS (000's):

Personnel Services
Operating Expenditures (50)
(System will result in operational savings due to reduced water loss)
Debt Service

ANNUAL OPERATING BUDGET IMPACT (000'S): (50)

OFFSETTING REVENUE:

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

DESCRIPTION This project provides for the extension of grinder pump sanitary sewer service to miscellaneous homes without sewer that can be reasonably connected to a nearby City sewer line. The policy for sewer line extensions is covered under Section 70-10 of the Municipal Code and also requires petitions & financial commitments from the majority of interested residents in an area to move forward.

STATUS No requests for connections were made in FY 2013 and none have been identified for FY 2014, however, funds are allocated in the event that connections are requested. Funds have also been included in subsequent years to provide for up to two additional small scale sewer connections annually.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering	-	5	5	5	5	5	5	30
Construction	-	35	35	35	35	35	35	210
Property/Easement Acquisition								
TOTAL EXPENDITURES	-	40	40	40	40	40	40	240
SOURCE OF FUNDS								
Water & Sewer Fund	-	35	35	35	35	35	35	210
Private Sources	-	5	5	5	5	5	5	30
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	-	40	40	40	40	40	40	240

JUSTIFICATION

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

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	5
Debt Service	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>5</u>
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OFFSETTING REVENUE:	60
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(Each home will pay a \$5,000 tap fee)

JUSTIFICATION

The EPA's Capacity Management, Operations and Maintenance (CMOM) program requires the City to more 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 in a small scale project, will improve the overall operation and reliability of the system.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	0
Debt Service	0
(repairs will help reduce treatment costs)	

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>0</u>
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OFFSETTING REVENUE:

JUSTIFICATION

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

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	0
Debt Service	0

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u>0</u>
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OFFSETTING REVENUE:

PROJECT	Peach Court Utility Improvements	Account #	412-16700-8052
PROGRAM	Utilities	RESPONSIBLE DEPARTMENT	Water & Sewer

DESCRIPTION This project provides for the replacement of approximately 250 linear feet of 8 inch gravity sewer line, rehabilitation of approximately 1,000 linear feet of 8 inch sewer line, miscellaneous repairs and rehabilitation to several manholes, and replacement of approximately 475 feet of 2 inch water line in the Peach Court area.

STATUS Design for this project is complete and has been submitted to TDEC for approval. No easements will be necessary, however there are access issues that are currently being reviewed with residents. This project is scheduled for completion by the end FY 2013.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering	20							
Construction	130							
Property/Easement Acquisition								
TOTAL EXPENDITURES	150	-	-	-	-	-	-	-
SOURCE OF FUNDS								
Water & Sewer Fund	150							
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	150	-	-	-	-	-	-	-

JUSTIFICATION

This project will provide for the orderly extension of public sewer service to an original area of the City located near Wilson Pike Circle and south of Peach Court that is currently served by a privately owned sewer line installed 30+ years ago. While the history of this private line and service is unclear, the affected property owners have previously paid sewer tap fees for public service. The repair, acceptance, and installation of a proper public sewer system in the area will eliminate debates between property owners over responsibility for maintenance and upkeep of the private line.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	0
Debt Service	0

ANNUAL OPERATING BUDGET IMPACT (000'S):	<u><u>0</u></u>
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OFFSETTING REVENUE:

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

DESCRIPTION This project provides for an on-going, proactive program to rehabilitate ten (10) of the City's sewer lift stations including operating equipment that provides alternative pumping methods during an emergency. The project also includes provisions to address odor control better and incorporate new and improved technologies for the future.

STATUS FY 2013 funding provides for the rehabilitation of the Moore's Lane station located near the CSX railroad crossing. Construction work is expected to begin this spring and carry over in to FY 2014. The remaining stations in the system are relatively new and not expected to need major rehabilitation work during the next six years.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering	20	10						10
Construction	50	150						150
Property/Easement Acquisition								
TOTAL EXPENDITURES	70	160	-	-	-	-	-	160
SOURCE OF FUNDS								
Water & Sewer Fund	70	160						160
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	70	160	-	-	-	-	-	160

JUSTIFICATION

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

PROGRAM AND FACILITY COSTS:

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

OFFSETTING REVENUE:

PROJECT	Sewer System Model	Account #	412-16700-8042
PROGRAM	Utilities	RESPONSIBLE DEPARTMENT	Water & Sewer

DESCRIPTION This project provides for the development of a computer model to better identify line capacity and sewer flows through the various trunk & collector lines in the sanitary sewer system.

STATUS As part of the CAP/ER study, CDM Engineers developed a sewer model for a portion of the City's primary sewer collection system in the Little Harpeth River drainage basin. The remainder of the system was initially planned to be modeled in FY 2009. However, TDEC has approved the City's request to delay modeling of the remaining portion of the sewer system (the lower priority area outside the current moratorium area) to coincide with the CAP/ER final report which will be prepared in CY 2014.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering	-	75						75
Construction								
Property/Easement Acquisition								
TOTAL EXPENDITURES	-	75	-	-	-	-	-	75
SOURCE OF FUNDS								
Water & Sewer Fund	-	75						75
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	-	75	-	-	-	-	-	75

JUSTIFICATION

Development and continuous updating of a computerized model of the City's sewer system is required by EPA under the CMOM program and is a vital for effective, long term management of the system. The model will provide staff with a much more accurate assessment of individual line capabilities and potential problems for targeted, cost effective maintenance and improvement projects. The model will also allow the department to more accurately predict the impact of proposed new development to the sewer system at various locations under consideration.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures (annual updates)	5
Debt Service	

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

PROJECT	Water Line Replacement Program	Account #	412-16700-8053
PROGRAM	Utilities	RESPONSIBLE DEPARTMENT	Water & Sewer

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

STATUS FY 2014 includes replacement of approximately 3,500 feet of 6 inch plastic pipe with new ductile iron pipe in Stonehenge subdivision; specifically along Dorchester Circle, Ashby Dr. and Stoneleigh Circle. Engineering will begin in FY 2013 and construction will occur in FY 2014. FY 2014 funding includes \$200,000 carried forward from FY 2013.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering	15	25	20	20	20	20	20	125
Construction	-	400	200	200	200	200	200	1,400
Property/Easement Acquisition								
TOTAL EXPENDITURES	15	425	220	220	220	220	220	1,525
SOURCE OF FUNDS								
Water & Sewer Fund	15	425	220	220	220	220	220	1,525
Private Sources								
Water & Sewer Bond/Note Proceeds								
TOTAL FUNDS	15	425	220	220	220	220	220	1,525

JUSTIFICATION

History has shown that as the older PVC-type water lines age, they begin to experience increased frequency of line breaks and other maintenance problems. Also, as the City's distribution system has grown, the hydraulic demands on some of these older lines creates the need for replacement with ductile iron pipe in order to improve system reliability and operation.

PROGRAM AND FACILITY COSTS:

Personnel Services	
Operating Expenditures	(10)
Debt Service	0
(reduced costs related to maintenance and repair of old lines)	

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

PROJECT	Water System Capacity Improvements	Account #	412-16700-8036
PROGRAM	Utilities	RESPONSIBLE DEPARTMENT	Water & Sewer

DESCRIPTION This proactive project addresses future water system improvements that are needed to increase system capacity by an additional 4.0 million gallons per day. 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 existing wholesale water suppliers.

STATUS A multi-year project costing \$10+ million was initiated in FY 2011 to achieve the targeted capacity increase. Construction of a water line replacement along Ewell Lane will begin late spring of 2013. Design work is now underway to upgrade water pump stations at Murray Lane and Johnson Chapel Rd. along with upsizing water lines along Johnson Chapel Rd., Belle Rive Drive and Granny White Pike. These projects are anticipated to begin construction in the fall of 2013. Additional projects are planned over the next 5 years and will require the issuance of Water/Sewer Revenue Bonds to cover the cost.

PROJECT BUDGET (000'S)	Projected FY 2013	Proposed FY 2014	Proposed FY 2015	Proposed FY 2016	Proposed FY 2017	Proposed FY 2018	Proposed FY 2019	Total FY 2014-2019
EXPENDITURE ALLOCATION								
Engineering	200	200	350		90	150		790
Construction	760	4,600	2,300		600	1,000		8,500
Property/Easement Acquisition			230		60	100		390
TOTAL EXPENDITURES	960	4,800	2,880	-	750	1,250	-	9,680
SOURCE OF FUNDS								
Water & Sewer Fund								
Private Sources								
Water & Sewer Bond/Note Proceeds	960	4,800	2,880		750	1,250		9,680
TOTAL FUNDS	960	4,800	2,880	-	750	1,250	-	9,680

JUSTIFICATION

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

PROGRAM AND FACILITY COSTS:

Personnel Services	0
Operating Expenditures	715
Debt Service (CY 2010, 2012, 2013, 2014 and 2016 Bond Issues)	
ANNUAL OPERATING BUDGET IMPACT (000'S):	<u><u>715</u></u>

OFFSETTING REVENUE:

(Increase water sales from available water during the summer)



City of Brentwood, Tennessee
Capital Improvements Program
Glossary of Terms

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

City of Brentwood, Tennessee
Capital Improvements Program
Glossary of Terms

Emergency Communications District	Quasi-governmental entity that oversees operation of the City's emergency dispatch center. District board is comprised of the City's Board of Commissioners. The revenue source for this district is a per-line fee assessed on telephone service within the City as well as transfers from the General Fund.
Facilities Maintenance Division	The division set aside for the accumulation of contributions from the General Fund and the disbursement of those contributions for major maintenance of City facilities and buildings.
Federal Highway Administration (FHWA)	The federal agency responsible for approving modification to the interstate highway system including interchanges.
General Fund	The principal fund of the City, the General Fund is used to account for all activities not included in other specified funds. General Fund revenue sources include property and business taxes, licenses and permits, intergovernmental revenues, service charges, fines and forfeitures, plus other types of revenue. This fund includes most of the basic operating services, such as fire and police protection, library, refuse contract, parks and recreation, public works and general government administration.
General Obligation Bonds	Bonds that are issued by the City for transportation and park improvements with repayment of principal and interest subject to full faith and credit of the city (i.e., the first obligation in the annual budget).
Gravity Sewer System	A traditional system of sewer collection which relies on the force of gravity to carry sewage from the area to the treatment facility. Pumps are occasionally required to augment the gravity flow from one drainage area to another.
Grinder Pump Sewer System	A pressured method for providing sewer to a residence or business. The pumps grind the sewage as it leaves each location then pumps it to a nearby trunk line.
Metropolitan Nashville-Davidson County	The political-geographical area comprising Davidson County, Tennessee. The form of government is the metropolitan form of government which is a central, combined

City of Brentwood, Tennessee
Capital Improvements Program
Glossary of Terms

city-county government for the area. Reference here is to the government.

Metropolitan Planning Organization (MPO)

The regional transportation planning organization responsible for prioritizing and allocating federal funds to various roads projects under the 1991 Surface Transportation Act.

Operating Budget

The expenditure plan for continuing routing service programs and activities. In most instances, operating expenditures are made in a single fiscal year. These expenditures include personal services, contractual services, commodities, minor capital outlay and annual debt service requirements.

Private Sources

Sources of funds, or other assets, received from individuals, businesses or foundations for use by the government for specific or general projects.

Program and Facility Costs

The anticipated ongoing annual expenditures associated with a new program or facility to be operated by the City.

Public Works Project Fee Fund (PWPF)

The fund set aside for the accumulation of transportation impact fees and the disbursement of those fees for improvements to the City's roadways.

Right of Way (R.O.W.)

An area set aside and controlled by a political subdivision for use by the public, generally for transportation facilities such as streets and highways.

State of Tennessee

A geographical-political subdivision of the United States of which the City of Brentwood and Williamson County are a part. Reference here is to the government of the state.

State Street Aid Fund

This is a separate fund required by the state of Tennessee for funds received from the state based on allocation of the city's portion of the gasoline and motor fuel tax. The distribution to cities is based upon population. The expenditures from this fund are used for maintaining the streets of the city which are not designated federal or state highways or for debt service associated with capital projects.

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