

City of Garland, Texas 2017 Capital Improvement Program



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2017 Capital Improvement Program

City Council



Seated, Left to Right: Scott LeMay (Mayor Pro Tem), Douglas Athas (Mayor), Jim Cahill (District 8)

*Standing, Left to Right: Lori Barnett Dodson (District 6), B.J. Williams (District 4), Stephen Stanley (District 3),
David Gibbons (District 1), Rich Aubin (District 5), and Anita Goebel (District 2)*

Bryan L. Bradford, City Manager

City Council

2016-2017



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GARLAND, TEXAS

COMMUNITY PROFILE

General Information

The City of Garland is located northeast of Dallas and is one of the largest communities in the Dallas/Fort Worth Metroplex. As the 12th largest city in Texas, Garland covers 57 square miles and is bordered by three major freeways: Interstate Highway 635, Interstate Highway 30, and State Highway 190 (President George Bush Turnpike).

Demographics

Garland's population totaled 226,876 in the 2010 census count, with current estimates placing the population at approximately 236,717. Garland has an estimated 81,657 housing units and an employment base of approximately 121,205.

Population, Housing Units*, Employment (Estimates)

	2010	2017	Growth
Population	226,876	236,717	9,841
Housing Units	78,722	81,657	2,935
Employment	104,383	121,205	16,822

Source: U.S. Census Bureau, American Community Survey, Texas Workforce Commission, and City of Garland Planning and Community Development Department

** Housing Units is an appropriate measure of housing activity. The City of Garland Planning and Community Development Department tracks housing units on an annual basis rather than households. Both classifications are reported in census data by the U.S. Census Bureau.*

Garland is diverse in ethnicity and education. In 2010, the city's population was 57.5% white, 14.5% African-American, 9.4% Asian, 15.3% other, 3.3% two or more races, and 37.8% Hispanic/Latino (of any race). More than half of the city's adult population is educated above the high school level, with more than 20% of the population possessing a Bachelor's degree. Per a 2014 American Community Survey, the mean household income in Garland was \$63,559. Per the Dallas Central Appraisal District, the average market value for detached single-family residences in Garland for 2016 is \$144,024.

Government Structure

The City of Garland is a home-rule City that operates under a council/manager form of government. The City Council consists of a Mayor, who is elected at large, and eight Council members who are elected from single-member districts. Council members may serve up to three two-year terms. By City Charter, four City staff positions are appointed by the City Council. These include the City Manager, City Attorney, City Auditor, and City Secretary.

Economic Base and Development

Garland is known for its economic and industrial base, which consists of more than 5,000 businesses. The city is one of the largest manufacturing cities in the state and is home to companies such as:

<i>Arrow Fabrication Tubing</i>	<i>Glass Recycled Services</i>	<i>Packaging Corp. of America</i>
<i>Atlas Copco Drilling Solutions</i>	<i>Kingsley Tools</i>	<i>Plastipak Packaging</i>
<i>Carroll Company</i>	<i>Kraft Heinz Foods</i>	<i>Raging Wire</i>
<i>Daisy Brands, Inc.</i>	<i>L-3 Communications</i>	<i>Sherwin-Williams Company</i>
<i>Ecolabs, Inc.</i>	<i>Mapei Corporation</i>	<i>Valspar Corporation</i>
<i>General Dynamics Corp.</i>	<i>Metalwest, LLC</i>	<i>VPET</i>

The city has a growing retail base with developments such as Firewheel Town Center, a lifestyle center featuring numerous department stores, specialty shops, and residential and office uses, as well as Bass Pro Shops on Lake Ray Hubbard. With the 9.9-mile expansion of the President George Bush Turnpike from State Highway 78 to Interstate Highway 30, which connects the southeastern area of Garland to the northeastern section, additional retail development is expected within Garland.



City Center Development in Downtown Garland

The City of Garland continues to take advantage of transit-oriented development opportunities near Garland's DART rail station. The next phase of mixed-use development is welcoming new residents to historic Downtown Garland. This development, in partnership with Oaks Properties, LLC, has added 153 apartment units next to City Hall in addition to the existing units built in 2008 at Oaks Fifth Street Crossing. The project includes a parking structure with 330 spaces to serve the public, residential tenants, and those accessing City Hall as well as public open space adjacent to the Granville Arts Center.

The City Hall additions will be complete in 2016-17. Those features will include a beautiful, airy lobby extension, updated broadcast technology for the City Council meeting rooms, ADA compliance and infrastructure-related improvements, a new CGTV production studio, a re-skinned City Hall façade, and a variety of attractive streetscape and landscape additions to the exterior. Meanwhile, design for the Economic Development Suite located on the first level of 203 North Fifth Street is underway. Construction is to be scheduled and could be complete in 2017.



Downtown will soon welcome a new artwork feature intended to increase awareness of the arts. In October 2014, the Garland Cultural Arts Commission, Inc., appointed a Visual Arts Committee to search for an artist to design a unique bronze expression of their vision: a diverse community in celebration of dance, music, theatre, and the visual arts. After an extensive search, renowned Dallas artist Barvo was selected to create the piece. The 2.5-ton bronze masterpiece will stand 17 feet tall with a base 8 feet in diameter and will be placed at the newly designed entry to the Granville Arts Center.

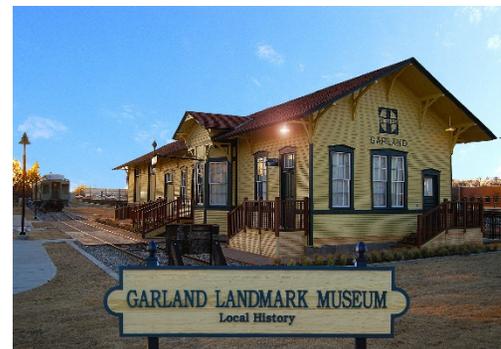


Embracing Our History

A Garland neighborhood, now known as the Travis College Hill Historic District, was recognized by the Garland City Council as “historically significant,” the first in the city to be formally designated as such. This neighborhood, encompassing the area on South 11th Street between West Avenues B and D, is one of the oldest subdivisions within the city. The cluster of 11 homes represents one of the best collections of historic homes in Garland, including six homes that date back to the original era (circa 1913) and several homes built in the “Craftsman” architectural style. The Travis College Hill Historic District was awarded a State Historic Marker from the Texas Historical Commission in 2015 and is currently under consideration to be added to the National Historic Registry.

Heritage Crossing, located at the intersection of Sixth and Walnut Streets, is a significant representation of the importance of history and heritage to the City of Garland. The site includes the Landmark Museum and the 1910 Pullman rail car. The Landmark Society was founded and opened the Museum in the Santa Fe Train Depot in 1972. The Depot was built in 1901 and is registered with the State of Texas as an official Texas Historic Landmark. The Museum holds artifacts that date back from the period of 1850 to the present.

The City of Garland is also working toward a National Historic Registry designation for the Downtown Garland Commercial District. Such a designation would enhance Garland’s visibility as a tourism stop for history enthusiasts and bring even more economic development opportunities to the city.



Bankhead Highway

The Bankhead Highway, America's second east-to-west transcontinental highway, ran through Garland from Washington, D.C., to San Diego, California. Garland residents took advantage of the highway's potential for economic impact and built auto repair shops, restaurants, and service stations along the highway. Although the Bankhead Highway was officially designated as Texas Highway 1 in 1917, it also retained the official Bankhead name until 1926 when it became part of U.S. Highway 67. The Bankhead Highway is remembered for its significant place in Garland's history and received an official Texas Historical Marker in May 2010 naming it a Texas Historic Highway. The marker is located in Downtown Garland on Main Street between Fifth and Sixth Streets.

Tourism

Garland's logo, featuring "Texas Made Here," is being used in branding and marketing efforts both within the Metroplex and statewide. The marketing efforts help position Garland as a location for hosting association and corporate meetings as well as local, regional, and national sporting events.



Garland has attracted several state and national tournaments including the UIL Volleyball and Wrestling State Tournaments, the Pinnacle Sports 3v3 Soccer Tournament, and the Spirit Cheerleading Competition. State associations recently selecting Garland as their destination include the Texas State Association of Plumbing Inspectors, the Texas Association of Sports Officials, and the Texas Tactical Police Officers Association.

Cultural Arts and Community Events

Garland's cultural arts scene provides quality programs to enrich the lives of residents and visitors from surrounding communities. Cultural arts facilities include the Patty Granville Arts Center, The Atrium at the Granville Arts Center, and the Plaza Theatre, all of which are located Downtown. Some of the city's active arts groups include Garland Summer Musicals, Garland Symphony Orchestra, and Garland Civic Theatre. These groups produce a variety of year-round events including musicals, plays, and concerts. On Saturday nights, Downtown visitors also enjoy live bluegrass music provided by the Garland Square Pickers.

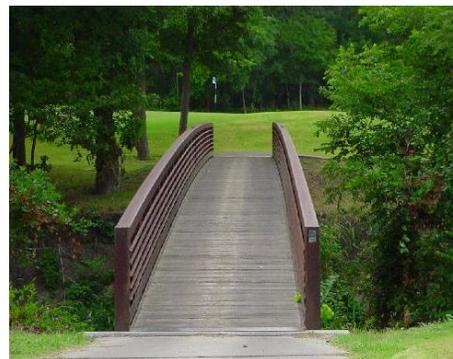


The City's Christmas on the Square continues to be a favorite community event. This holiday celebration features fun, family activities such as a traditional tree-lighting ceremony, snow hills for sledding, choir performances, and photos with Santa.

City Services

The City of Garland is comprised of more than 30 departments that provide various services to residents. The City places a high priority on public safety and maintains a force of 337 sworn Police Officers and 254 sworn Fire personnel. Garland has 11 fire stations and several public safety training facilities. Residents enjoy an abundance of recreation opportunities with 63 parks covering more than 2,500 acres as well as six recreation centers and two senior centers. Services are further enhanced with four libraries conveniently located throughout the city as well as a wealth of e-books and other online resources. Residents have access to nearly 500,000 volumes through the City's library system. Garland also is home to Firewheel Golf Park, the largest municipal golf course in Texas, with 63 holes of championship-style golf.

While providing traditional municipal services, the City of Garland also operates its own water, wastewater treatment, and electric utilities. The City maintains and operates a regional landfill facility and offers both residential and commercial solid waste collection services.



CIP MESSAGE



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February 21, 2017

Honorable Mayor and City Council
City of Garland, Texas

I am pleased to present for your consideration the 2017 Capital Improvement Program (CIP) for the City of Garland. The CIP reflects the planned investments for the next five years in the City's infrastructure, municipal facilities, specialized equipment, and economic development initiatives. In particular, the CIP details a \$293 million work program for the 2017 calendar year.

The tax-supported portion of the CIP totals \$64.7 million and is heavily weighted towards the Street and Transportation Program. This Program, together with funding in the 2016-17 Operating Budget, will increase Street reconstruction to \$20 million, which approximately doubles the amount committed in the 2013-14 Adopted Operating Budget. In addition, \$23.5 million is programmed for projects designed to increase street capacity and includes Oates Road, Shiloh Road, and Fifth Street, among others. In addition, the Pleasant Valley Road Bridge and the North-South Bikeway projects will continue construction in 2017. The 2017 Drainage Program includes funding for the design work needed to improve drainage in the vicinity of Classic and Yale and begins construction of long-awaited improvements in the Parkmont Drive area.

Additional tax-supported projects in the 2017 CIP include the completion of Fire Station No. 5 and the continuation of the P25 radio system replacement required to maintain reliable communications in our Public Safety departments. The Park Program includes a variety of projects including the design and initial construction of the Dog Park and Skate Park along with expansion of the Audubon Recreation Center, trail development, and a host of other improvements designed to increase the quality of life for Garland citizens. Furthermore, the CIP includes funding for the City's libraries to rebuild the materials collection and for the installation of equipment with RFID technology that will allow for the efficient tracking of materials.

The Economic Development Program is focused on Downtown and includes the anticipated completion of the City Center project in June, the Walnut Street Pedestrian Corridor, and design of the City Square. Other projects include offices for the Economic Development Department and items designed to improve the walkability and aesthetic appeal of Garland's Historic Downtown.

The City Utilities portion of the 2017 CIP totals \$225.5 million. Within this amount is funding for Environmental Waste Services to replace 16 pieces of the collection fleet and expand the Automated Collection Single Stream Recycling project. Continuation of the West Pressure Plane project and the elevated storage tank in southwest Garland is included in the Water Utility Program. Furthermore, projects primarily focused on biosolids rehabilitation and odor abatement at the Rowlett Creek Wastewater Treatment Plant make up the majority of the Wastewater Utility Program.

The largest portion of the Utility component of the CIP is the \$156.6 million for Garland Power & Light (GP&L) infrastructure. The single largest component of this Program is funding of the Houston Import transmission project. This project is a joint venture with Cross Texas Transmission and will allow GP&L to receive additional transmission revenue each year that is in excess of the cost related to the line.

Finally, the Internal Service Program totals \$2.9 million and includes the beginning of a four-year project to replace the City's telephone system, renovation of the Fleet Services facility, and extending fiber optic cable to City facilities.

Debt Issuance

The \$293 million CIP will require the issuance of \$19.3 million in tax-supported debt, consisting of \$3.5 million in General Obligation (GO) authorized Commercial Paper and \$15.8 million in Certificates of Obligation (COs). The Utility and Internal Service Programs will require debt issuance totaling \$144.5 million, which includes \$4.5 million in COs and \$140 million in Revenue Bond authorized Commercial Paper.

Tax and Utility Rate Impacts

In keeping with Council's goal, no increase in the Property Tax Rate for fiscal year 2017-18 is anticipated to fund the CIP Budget. The 2017 CIP is, however, projected to contribute a modest amount toward the rate increases already anticipated for Water and Wastewater in 2017-18.

I believe the 2017 CIP meets the Council's goal of striking a balance between addressing critical infrastructure needs and minimizing the tax impacts on our citizens and businesses. I am confident that the program continues to move us toward the progressive vision set by the City Council while guarding the integrity of the City's financial health.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Bryan L. Bradford".

Bryan L. Bradford
City Manager

OVERVIEW

CAPITAL IMPROVEMENT PROGRAM

INTRODUCTION

MAJOR SECTIONS

The information included in the City of Garland's Capital Improvement Program (CIP) is divided into the following major sections:

- (I) Overview – Background
- (II) Overview – Narrative Summary of CIP
- (III) Debt Allocation
- (IV) 2016 CIP Status
- (V) Program Sections – Project Pages
- (VI) Appendices

OVERVIEW

Background

The Overview section includes a discussion of background material that readers may find helpful in expanding their knowledge and understanding of the City's Capital Improvement Program.

Narrative Summary of CIP

The Narrative Summary contains a written overview of the current year projects, planned debt issuance, and tax and utility rate impacts; an analysis of outstanding debt levels; and a five-year forecast based on the CIP and Garland Plus 5.

DEBT ALLOCATION

The Debt Allocation section is divided into three parts. The first is a schedule reflecting the issuance of General Obligation (GO) debt required to fund the 2017 Program and future projected

CIP expenditures. The second categorizes the Certificates of Obligation (COs) for each CIP program area. The third identifies the allocation of Commercial Paper for the City's Utilities.

2016 CIP STATUS

The 2016 CIP Status section is divided into three parts. The first shows the completion rate of the 2016 CIP for each program area. The second reflects each project included in the 2016 CIP, the completion date estimated at the time the CIP was adopted, and the revised completion date as submitted by departments in October 2016. The third provides a schedule, by project, of estimated outstanding expenditures of funds from the 1991, 1997, and 2004 Bond Referendums.

PROGRAM SECTIONS

The CIP includes a separate section for each of the program areas. Within each program section, the CIP includes a summary schedule of approved projects and additional funding requirements. Also included is a sheet for each CIP project that outlines the project's description, funding sources, impact on the Operating Budget, and other project information.

APPENDICES

The Appendices include the 2004, 1997, and 1991 Capital Improvement Bond Referendums by Proposition; a Summary of Programs; and the CIP Fund Allocation by Program and by Project.

BACKGROUND INFORMATION

Capital Improvement Program

The City of Garland prepares a Capital Improvement Program (CIP) each year that is in addition to its Annual Operating Budget. The CIP is a listing of planned capital projects for the upcoming five-year period together with the expected costs and the anticipated methods of financing. The CIP typically includes the construction of infrastructure and municipal facilities as well as the acquisition of large or specialized equipment. To be included in the CIP, expenditures must meet all of the following general criteria:

- (1) Qualify as capital under the City's current capitalization policy.
- (2) Have a useful life of not less than five years.
- (3) Exceed \$25,000.

Additional criteria and guidance are provided in the City's CIP Directive.

The Capital Budget is the first year component of the Capital Improvement Program and includes a listing of projects to be undertaken in that fiscal year. It also includes the anticipated cash outlays for the same time period and identifies the specific sources of financing that will be used to fund each project. The Capital Budget also identifies the total amount of debt, by types, required to fund the current year's expenditures together with the estimated tax rate and utility rate impact of the additional debt issuance.

In adopting the Capital Budget, the City Council appropriates funding for the estimated expenditures related to the upcoming fiscal year while approving, in concept, the plan for future years. The Capital Budget differs from the Operating Budget, however, in that a project's appropriated funding does not expire at the end of each fiscal year but rather carries over from year to year until the project is completed.

It is important to note that once a project is approved, the entire project – not just the first year's portion – may be bid out and awarded. For projects that span multiple years, this may, in effect, create a future obligation to issue additional debt to complete the project. For this and other reasons, the CIP must be viewed from a multi-year perspective.

While a separate document, the CIP is linked to the Operating Budget in that many projects, once completed, will have ongoing costs for staffing and maintenance. These ongoing expenditures are budgeted through the City's Annual Operating Budget. Each proposed project submitted in the CIP must identify these ongoing expenditures. In addition, the principal and interest payments resulting from the debt issued to finance CIP projects are provided for in the Annual Operating Budget.

The Capital Budget's fiscal year is the calendar year. This differs from the fiscal year for the Operating Budget which is from October 1 of one year to September 30 of the next.

CIP Funding

Funding for the CIP comes from several sources including (1) debt issuance, (2) transfers from the Operating Budget, (3) grants and other outside contributions, and (4) interest earnings. By far, however, the primary source of funding for CIP projects is debt issuance.

Annual funding for the CIP is based on projected capital expenditures for the plan year for both new and existing projects. Debt is issued only in amounts necessary to provide funding for the upcoming year, rather than being issued up front for the entire amounts of the approved projects. This practice allows for debt issuance, and the resulting Debt Service payments, to be kept at a minimum.

Debt Instruments

Debt instruments issued to finance CIP projects include General Obligation Bonds (GOs), Commercial Paper (CP), Certificates of Obligation (COs), Revenue Bonds (RBs), and Tax Anticipation Notes (TANs), each of which is discussed below.

General Obligation Bonds (GOs) – Long-term debt instruments that are backed by the full faith and credit of the City and issued with the guarantee that the government will use its general taxing authority to pay principal and interest payments on the debt. Garland citizens must vote to approve the authorization to issue GO Bonds, and once authorized, the Bonds may only be used for projects specifically listed in the Bond Propositions. GO Bonds are generally issued based on a 17 to 20-year amortization period.

Commercial Paper (CP) – Short-term debt instruments that have maturities ranging from 1 to 270 days. Interest is paid at maturity, but principal is rolled forward by issuing new Commercial Paper (CP). This process continues for approximately three years until GO or Utility Revenue Bonds are eventually issued to refinance the outstanding CP. Only after the GO or Revenue Bonds are issued do principal payments begin toward retiring the debt. The combined amortization of the CP and Bonds is set so as not to exceed 20 years.

By utilizing Commercial Paper (CP), the City is able to lower its overall debt payments due to the deferral of principal payments and by taking advantage of lower short-term interest rates. Furthermore, CP is only issued as the funds are needed, not in advance at a given time each year as with other debt instruments.

Projects that have been approved as part of a Bond Referendum, and therefore qualify for GO debt financing, may be funded using Commercial Paper (CP). In 2012, Electric Utility projects that are eventually funded with Revenue Bonds began taking advantage of CP. In addition, the Water and Wastewater Utility programs began a CP program in 2015.

Certificates of Obligation (COs) – Long-term debt instruments that are backed by ad valorem taxes, pledged revenues, or a combination thereof. COs do not require voter authorization and may be issued for all types of capital projects. COs are issued with 5, 10, 15, and 20-year amortizations.

Revenue Bonds (RBs) – Long-term debt instruments secured by the revenues of the City's Utilities. RBs can only be issued for utility-related capital projects and are issued with 5, 10, 15, and 17 to 20-year amortizations.

Tax Anticipation Notes (TANs) – Short-term debt instruments issued with amortizations ranging from one to five years which may be used for any capital project with a short useful life or a project that the City wishes to pay off within a relatively short period of time. TANs may also be used to prevent significant fluctuations in the Debt Service Tax Rate.

Debt Service

The principal and interest payments on the City’s debt instruments are paid from Property Tax revenues or from the revenue of Proprietary Funds such as the Utilities.

Tax-Supported Debt Service – Debt that is serviced from Property Tax revenues is referred to as “Tax-Supported Debt.” Of Garland’s 2016-17 Ad Valorem Tax Rate of 70.46 cents per \$100 of valuation, 31.06 cents or 44% is dedicated to Tax-Supported Debt Service.

2016-17 Ad Valorem Tax Rate
(Cents per \$100 of Valuation)

Operations and Maintenance	39.40 cents
Debt Service	<u>31.06</u> cents
Total Ad Valorem Rate	<u>70.46</u> cents

Commercial Paper – The use of Commercial Paper (CP) as part of the City’s overall debt management strategy defers a portion of the total Debt Service impact of projects. Deferred Debt Service is the difference between the annual interest payments required to service outstanding CP and the interest and principal payments that will be due when the CP is replaced with GO Bonds. As a general rule, payments required to service GO Bonds will be 75% more than the amount required to

service CP. When CP is replaced with GO debt – typically every three years, there will be a material spike or increase in Debt Service requirements. The refinancing of CP into GO Bonds must be carefully managed and timed with declines in existing Debt Service to avoid Debt Service Tax Rate increases. In years where the Debt Service Tax revenues exceed the required principal and interest payments, the capacity is used to issue a one-year TAN. The proceeds of the TAN are used to supplement Street funding.

Revenue-Supported Debt – Debt Service that is paid from revenues collected by the City’s Utilities is referred to as “Revenue-Supported Debt.” The annual principal and interest payments required to service this debt are included as expenditures in the operating budgets of the respective Utilities. Debt issuance in the Utility Funds has the potential of impacting the cost-of-service and, thereby, the rates charged to customers.

Revenue-Supported Debt also refers to debt issued for projects within the City’s Internal Service Funds (examples include Information Technology, Fleet Services, and Customer Service). The principal and interest payments required to support this debt are included in the operating budgets of the respective Internal Service departments. The total cost of each Internal Service function is then allocated to the user departments based on appropriate allocation methodologies.

Recent Bond Referendums

1997 Bond Program – The 1997 Referendum considered the authorization of GO Bonds to fund various City facilities and infrastructure improvements. Of the nine propositions included in the Referendum, eight were approved by voters.

The approved 1997 propositions included:

Streets	\$ 67,970,000
Northeast Parkway	4,240,000
Drainage/Flooding	10,570,000
Libraries	5,890,000
Parks	12,370,000
Cultural Arts	3,440,000
Public Safety	19,890,000
Municipal Facilities	<u>1,710,000</u>
Total 1997 Authority	<u>\$126,080,000</u>

A copy of the Referendum authorizing the 1997 Program is included in *Appendix A*.

2004 Bond Program – The 2004 Referendum considered the authorization of GO Bonds to fund various City facilities, infrastructure improvements, and economic development projects. Of the eight propositions included in the Referendum, all were approved by voters.

The approved 2004 propositions included:

Streets	\$113,370,000
Drainage/Flooding	28,000,000
Parks	21,680,000
Libraries	9,400,000
Public Safety	12,950,000
Municipal Facilities	11,180,000
Economic Development	3,420,000
Harbor Point	<u>23,745,000</u>
Total 2004 Authority	<u>\$223,745,000</u>

A copy of the Referendum authorizing the 2004 Program is included in *Appendix A*.

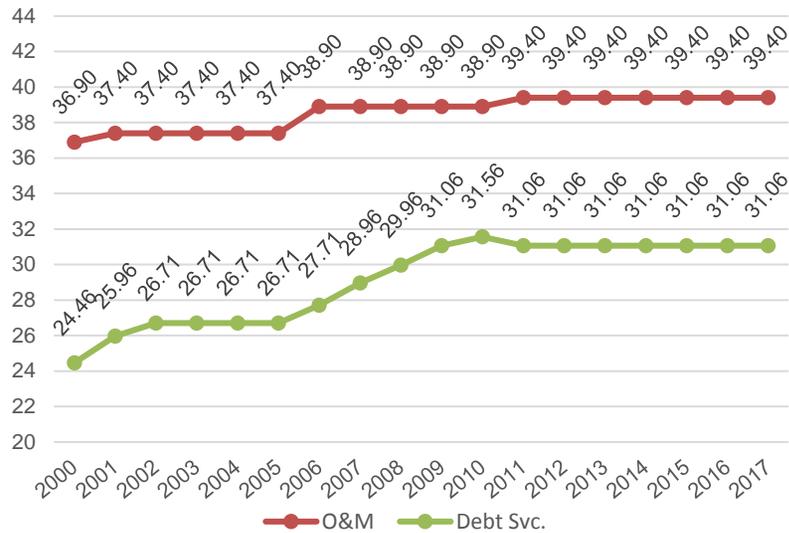
Detailed schedules reflecting the remaining 1997 and 2004 Bond projects are in the 2016 CIP Status section of the CIP. These schedules indicate the funding and estimated date of completion for each project. Similar information is also included for the remaining projects authorized in the 1991 Bond Referendum.

It should be noted that the decline in Property Tax revenue experienced during the recession and the desire to maintain tax rates at current levels have caused material delays in the implementation of the 2004 Bond Program.

Tax Rate Impact of Bond Programs

Projections at the time of the 1997 Bond Election indicated that a total increase of 4.14 cents would be necessary to fund the Program. For the 2004 Bond Program, projections indicated an increase of 11.5 cents would be necessary – based on a seven-year implementation. Due primarily to the elongation of the programs, the net change in the Debt Service Tax Rate has been held to 5.6 cents. In addition to covering GO Bond projects, the 5.6-cent increase has also covered the Debt Service related to tax-supported CO projects.

**Historical
Adopted Ad Valorem Tax Rates
(In Cents)**



2017 CAPITAL IMPROVEMENT PROGRAM OVERVIEW

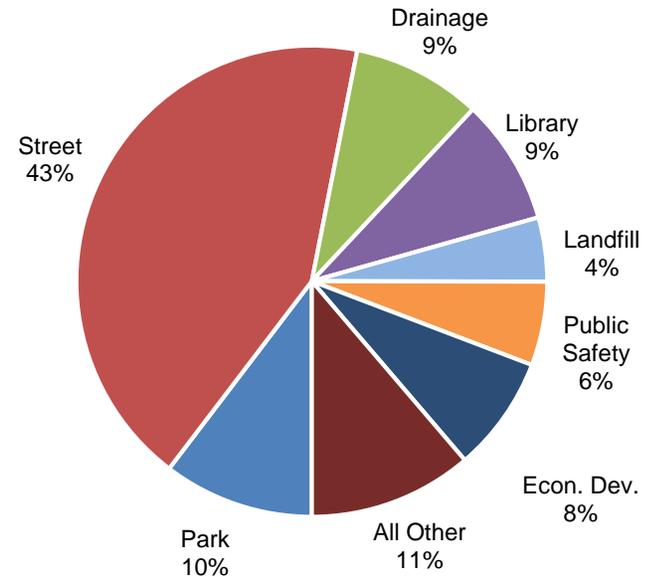
2017 Program Expenditures

The 2017 CIP totals \$293 million and includes the following program areas and expenditure amounts:

<u>Program Areas</u>	<u>Expenditures</u>
Tax-Supported Programs:	
(1) Park	\$ 6,707,000
(2) Street/Transportation	27,658,000
(3) Drainage	5,757,000
(4) Library	5,594,000
(5) Landfill/Transfer Station	2,846,000
(6) Public Safety	3,725,000
(7) Economic Development	5,141,000
(8) Facilities and Miscellaneous	7,292,000
Total Tax-Supported	64,720,000
Internal Service Programs:	
(1) Information Technology	1,053,000
(2) Fleet Services	1,828,000
Total Internal Service	2,881,000
Utility Programs:	
(1) Stormwater Management	525,000
(2) Environmental Waste Svcs.	3,705,000
(3) Water	18,923,000
(4) Wastewater	45,731,000
(5) Electric	156,607,000
Total Utility-Supported	225,491,000
Total 2017 CIP	\$293,092,000

The 2017 CIP reflects an increase of approximately \$31.4 million (12%) from the 2016 Capital Budget of \$261.6 million. The increase is primarily due to a \$68 million increase in the Electric Utility program. The Tax-Supported program decreased by \$27.7 million (30%) from the 2016 Capital Budget of \$92.4 million. Of the total \$64.7 million in Tax-Supported programs, \$14.7 million (22.7%) is related to 1991, 1997, and 2004 Bond projects funded from authorized debt.

2017 Tax-Supported Programs



2017 CIP Funding Sources

Of the total \$293 million 2017 CIP, \$111.3 million (38%) is carry-over from previous Capital Budgets, \$167.1 million (57%) represents additional funding for projects begun in prior years, and \$14.7 million (5%) is related to projects being initiated for the first time in 2017. Funding the 2017 CIP work program will require new debt issuance of \$163.8 million compared to \$116.9 million in 2016. Of the \$163.8 million, \$143.9 million is in the City's Utilities. Specifically, funding will come from the following sources:

Funding Sources	Tax-Supported Programs	Internal Services	Utility Programs	Total 2017 CIP
Current Funds:				
Cash Available	\$19,058,000	\$2,218,000	\$17,634,000	\$38,910,000
Intergovernmental Participation	15,171,000			15,171,000
Total Cash and Transfers	<u>34,229,000</u>	<u>2,218,000</u>	<u>17,634,000</u>	<u>54,081,000</u>
Debt Issuances:				
Prior-Year Approved Commercial Paper (CP)	<u>11,185,000</u>	<u>0</u>	<u>63,979,000</u>	<u>75,164,000</u>
1997 GO Bonds (CP)	844,000			844,000
2004 GO Bonds (CP)	2,660,000			2,660,000
2017 Certificates of Obligation (COs)	15,802,000	663,000	3,789,000	20,254,000
2017 Electric (CP)			118,104,000	118,104,000
2017 Water & Wastewater (CP)			21,985,000	21,985,000
Sub-Total New Debt Issuance	<u>19,306,000</u>	<u>663,000</u>	<u>143,878,000</u>	<u>163,847,000</u>
Total 2017 CIP Funding	<u>\$64,720,000</u>	<u>\$2,881,000</u>	<u>\$225,491,000</u>	<u>\$293,092,000</u>
Project Allocations:				
Existing Funding for Previously Approved	\$40,986,000	\$ 2,218,000	\$ 68,078,000	\$111,282,000
Continuation Funding for Previously Approved	16,563,000	250,000	150,324,000	167,137,000
Funding for New Projects	<u>7,171,000</u>	<u>413,000</u>	<u>7,089,000</u>	<u>14,673,000</u>
Total 2017 CIP	<u><u>\$64,720,000</u></u>	<u><u>\$2,881,000</u></u>	<u><u>\$225,491,000</u></u>	<u><u>\$293,092,000</u></u>

Projected Debt Service and Tax Rate Impact

The Debt Service Tax Rate, which funds the Tax-Supported program, may be impacted by multiple factors including:

- (1) Changes in the principal and interest payments for debt issued in prior years.
- (2) Additional Debt Service resulting from new COs.
- (3) Additional Debt Service from Commercial Paper (CP) issues.
- (4) The replacement of CP with GO Bonds.
- (5) Short-Term Tax Notes for the City's infrastructure refurbishment program.
- (6) Changes in the property tax base.
- (7) Stair-step increases designed to avoid spikes in the tax rate when GO Bonds are issued to replace outstanding Commercial Paper.
- (8) Savings from the refinancing of existing debt.

The Debt Service portion of the Property Tax Rate is projected to be unchanged by the 2017 CIP.

**Anticipated
2017-18 Debt Service Tax Rate
(Cents per \$100 Valuation)**

Current Rate	31.06 cents
2017-18 Increase	<u>0.00</u> cents
Total Debt Service Tax Rate	<u>31.06</u> cents

The Tax Rate will not actually be set by the City Council until September 2017 as part of the adoption of the Annual Operating Budget.

Utility Rate Impacts and Projections

Water – Commercial Paper issuances of \$7.8 million are required to fund the 2017 Water Utility CIP, which equates to approximately a 1% increase in Water rates. The total rate increase projected for 2017-18 is 6% due to increased cost for water purchases from the North Texas Municipal Water District (NTMWD) and increased cost to maintain and improve the water infrastructure.

Wastewater – Commercial Paper issuances of \$14.2 million are required to fund the 2017 Wastewater Utility CIP, which is projected to contribute a modest amount toward the 2% Wastewater rate increase already anticipated for FY 2017-18. This projected rate increase is mostly due to costs associated with biosolids handling and treatment equipment needed to comply with State and Federal regulations.

Electric – Commercial Paper issuances of \$118.1 million are required to fund the 2017 Electric Utility CIP program. Since Electric rates are market-based and not tied to cost-of-service, no direct rate impact is anticipated to customers as a result of the 2017 CIP.

Environmental Waste Services (EWS) - Delivery – A CO debt issue of \$3.3 million to fund the replacement of aging EWS - Delivery equipment and the continuation of the Single Stream Recycling Program will require approximately \$703,000 in new Debt Service payments for FY 2017-18, which is not anticipated to impact residential trash collection rates in FY 2017-18.

Stormwater Management – A CO debt issue of \$525,000 to fund the replacement of aging equipment needed to maintain drainageways will require approximately \$112,000 in new Debt Service payments for FY 2017-18, which is not anticipated to impact residential rates in FY 2017-18.

Program Overviews

The following sections include an overview of the 2017 projects in each of the program areas.

Park – \$6,707,000

Projects to start construction in 2017 include the Granger Recreation Center renovation and fencing for the Audubon and Winters Soccer Complexes. The Granville Arts Center art sculpture will be completed in 2017.

New projects in 2017 include canopy replacement at the Carter Softball Tournament Complex and drainage structure repairs from the 2015 flooding and improvements along the Greenbelts.

In addition, funding for the continued design of the Audubon Recreation Center Expansion and the start of construction on the Dog Park, Skate Park, and Windsurf Bay Park Improvements is in 2017. Also, work will continue on repaving parking lots, trail development, and various other park/playground improvements.

Street/Transportation – \$27,658,000

Street/Transportation projects expected to begin construction in 2017 include Oates Road - Broadway to Rosehill, Shiloh Road - I.H. 635 to Kingsley, and Fifth Street - Miller to Kingsley.

New projects in 2017 include design and construction for Oates Road - Channel Isle to Emerald Lakes No. 3, design and right-of-way for Holford Road Construction - Arapaho to PGBT, and several CDBG-funded street reconstruction projects: Nash Street - Brookside to Garwood; Vista Drive - Cumberland to Dairy; and, Rolando Drive - Delano to Miller.

Projects scheduled for completion in 2017 include Holford Road Alignment Study - Arapaho to PGBT, Holford Road Alignment Study - PGBT to Campbell, Bobtown Road - Kelso to Barnes Road, and aesthetic enhancements to the sound wall being constructed along LBJ Freeway between La Prada and Centerville.

Ongoing Street/Transportation programs to be continued in 2017 include street and alley petition, sidewalk programs, railroad crossing improvements, new traffic signal installations, signal equipment modernizations, traffic control system improvements, and emergency services signal equipment installations.

The Street Reconstruction and Improvements Program that started in 2015 to provide additional resources for the rehabilitation of City streets through the issuing of Certificates of Obligation will continue in 2017.

The Garland City Council has demonstrated its dedication to improving streets by providing additional funding to be used on the Street Reconstruction and Improvements Program over the next four years. Increasing funding for street maintenance is one aspect of the plan to address the City's streets.

Drainage – \$5,757,000

The Drainage program for 2017 includes funding for design work related to improvements in the vicinity of Classic and Yale Drives, continuation of the petition and local flooding programs, and bridge remediation.

In addition, construction is scheduled to begin on drainage improvements in the area of Parkmont Drive.

Also, Downtown drainage improvements are scheduled to be completed in 2017 as a part of the Downtown Redevelopment Program.

Library – \$5,594,000

The 2017 Library CIP program includes funding for the installation of Radio Frequency Identification Delivery (RFID) inventory control and asset management equipment at all City libraries.

Also, the continuation of funding is included for rebuilding the Library materials collection and for various other facilities upgrades to existing Library buildings.

Public Safety – \$3,725,000

Public Safety projects in 2017 include ambulance remounts and the completion of the new Fire Station No. 5 project.

Also included in the 2017 Public Safety program is continuation funding to complete the implementation and construction of a new P25 standard radio system to be used by Police, Fire, and other City departments.

The replacement of this system is critical to maintaining a reliable communication system for Public Safety and other City departments, but it comes at significant cost and impact to the CIP. Total cost of this project is anticipated to be \$17.1 million with the City's portion projected to be \$13.0 million. Approximately \$4.1 million will be reimbursed by the City of Mesquite and City of Rowlett for the construction of radio towers.

Economic Development – \$5,141,000

The Economic Development projects include those expected to improve neighborhoods and commercial business areas of the city with a majority of the program focusing on the completion of the City Center Development and other Downtown Catalyst Area Improvements.

The City Center Development project is scheduled for completion in June 2017, following the dedication ceremony in March 2017. Sections of the project completed in 2016 include: the re-skinning of the City Hall façade; renovations of the first, third, and fourth floors of City Hall; the Granville Arts Plaza; and the streetscape in the vicinity of Fifth, State, and Austin Streets. Remaining aspects of the project include finalizing code and safety upgrades for City Hall, renovations of the second floor offices in City Hall, and the continuation of the streetscape improvements along Austin Street between Fifth and Glenbrook in conjunction with the Central Library improvements.

Additional funding is included to establish a pedestrian corridor in order to link the Downtown DART Station with various attractions and destinations in Downtown Garland. This project will include landscaping, sidewalks, fencing, pavement improvements, and street furniture to facilitate pedestrian access.

Other Downtown improvement projects included in the 2017 CIP are initial design work related to constructing gateways at critical entry points to Downtown and the redesign of the Downtown Square.

Also included in the Economic Development section is funding to continue the Neighborhood Vitality Grant Program and the construction of the offices for the Economic Development Department in Downtown Garland.

Municipal Facilities and Misc. Tax Supported – \$7,292,000

The Municipal Facilities and Miscellaneous Tax Supported work program encompasses improvements to various City facilities as well as the acquisition of equipment.

The 2017 program includes the completion of renovations and foundation repair to the Carver 3 building and code and safety updates to City Hall.

In addition, equipment upgrades and replacement for CGTV production will improve operations with funding coming from Public, Educational, and Government (PEG) Fees levied on cable TV bills.

Other ongoing projects include improvements and upgrades to HVAC systems throughout the City; facilities upgrades to City Hall and other municipal facilities; roof replacements; fire alarm, fire safety and security system upgrades; parking lot upgrades; infrastructure equipment replacement; and Firewheel Golf Park improvements.

Miscellaneous Revenue Supported and Internal Service – \$7,111,000

The Miscellaneous Revenue Supported projects include those for Internal Service departments, Stormwater Management, and Environmental Waste Services - Delivery.

Active projects that will be continued in 2017 include extending fiber optic cable, fuel tank automation and monitoring, and upgrading network and cabling at various City facilities.

Also, the renovation of the Fleet Services facility is scheduled to be completed in 2017 and includes improvements to restroom access and conditions, development of a customer waiting area, and increased parts storage.

In addition, the 2017 CIP includes the replacement of two 12-yard dump trucks and two tractors with rear and boom rotary cutters used in the Stormwater Management operations and 16 pieces of equipment used in the Environmental Waste Services (EWS) - Delivery operations. The equipment requested for EWS includes a recycling truck, four residential side-loaders, two rear-load brush trucks, two knuckle boom trucks, two brush trailers, two brush tractor trucks, a commercial

roll-off truck, a commercial front-load truck, and a front-load container carrier truck. These pieces of equipment are beyond their useful lives and are requiring excessive ongoing repair and maintenance costs.

Also included in the 2017 CIP for EWS - Delivery is 95-gallon recycling containers for the final implementation phase (Phase 6) of the Automated Collection Single Stream Recycling Program.

A new project in the 2017 CIP is the Telephone System Replacement across the entire City in anticipation of the manufacturer ending support for the current system in 2021. By starting the project in 2017, the Information Technology Department can ensure the City's communication systems are up-to-date and will be supported by the manufacturer in future years.

Landfill/Transfer Station – \$2,846,000

The 2017 Landfill/Transfer Station program includes the replacement of six pieces of equipment used to compact, handle, transport, and apply cover to refuse at the Hinton Landfill and mow the closed Castle Landfill as required by permit. These critical pieces of equipment are past their useful lives and are requiring extensive maintenance to keep operational. The equipment requested includes an excavator, dozer, two tractor trucks, and two transfer trailers.

New projects in 2017 include a Transfer Station rebuild, leachate discharge system upgrades, and expansion of the Landfill Gas Collection and Control System.

Water – \$18,923,000

The 2017 Water CIP includes the continuation of the West Pressure Plane Improvements project that contains a 2.5-million-gallon elevated storage tank in southwest Garland.

Also included is funding for transmission mains, water distribution line construction, relocation of mains prior to paving, replacement of water pump station equipment, fire hydrant installations, and radio read water meter installation.

New projects in 2017 include the design of a 16-inch water line to increase the water volume available for the I.H. 30 catalyst area as well as water system infrastructure enhancements to meet water quality assurance requirements.

Wastewater – \$45,731,000

The Wastewater program for 2017 includes infiltration correction, sewer collection mains, cured-in-place pipe main and lateral rehabilitation, relocation of mains prior to paving, lift station abandonment, and Rowlett and Duck Creek Wastewater Treatment Plants improvements.

Wastewater Treatment Plant improvements continue to make up a majority of the funding requested for 2017 and will focus on biosolids rehabilitation and odor abatement at the Rowlett Creek Treatment Plant.

A significant portion of the work to be completed in Wastewater is required in order to comply with State and Federal environmental regulations.

Electric – \$156,607,000

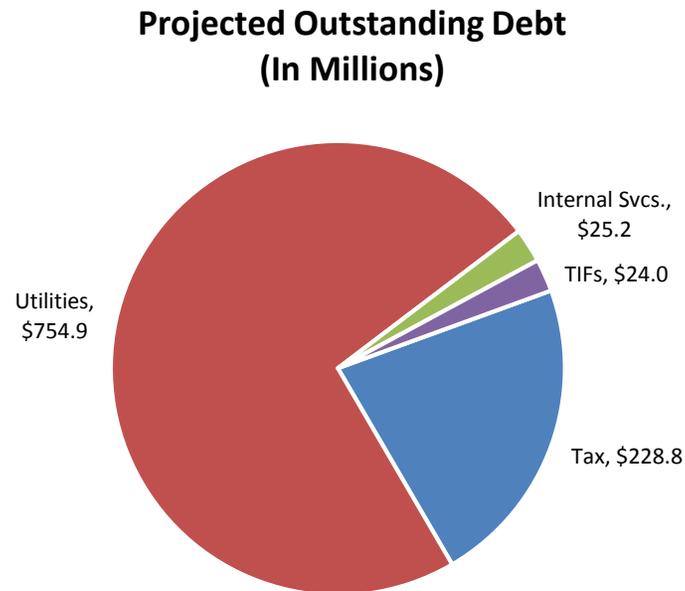
The 2017 Electric CIP includes construction of transmission lines, substations, overhead and underground distribution lines, street and thoroughfare lighting, residential construction, communications upgrades, commercial and industrial construction, relocation of facilities, and production construction and upgrades.

The Electric CIP program for 2017 includes funding to construct approximately 70 miles of 345 kV transmission line from Limestone to Gibbons Creek (Houston Import Project). This project is a joint venture with Cross Texas Transmission and will allow Garland Power & Light (GP&L) to receive additional transmission revenue from Electric Reliability Council of Texas (ERCOT) each year related to the line. Also included is funding to continue the construction of two new substations and associated transmission and distribution improvements needed around the President George Bush Turnpike area to serve increased load demands. The 2017 CIP also includes funding to address transmission congestion issues identified by ERCOT in the Olinger Power Plant area as well as continued funding of the GP&L LED Street Light Conversion Program and Distribution Overhead and Underground Replacement Programs.

OUTSTANDING DEBT

Total Outstanding Debt

Including the issuances for the 2017 CIP, Garland's total outstanding debt is projected to be \$1.0 billion by the end of FY 2016-17. Of this amount, \$228.8 million is tax-supported, \$2.4 million by the Downtown TIF, and eventually, \$21.6 million is to be supported by the I.H. 30 TIF. The remaining \$780.1 million is supported by the Utilities and Internal Service Funds.



Projected Outstanding Debt FYE 2016-17

Tax-Supported Debt:

General Obligation Bonds	\$ 147,390,000
Certificates of Obligation	61,147,000
Commercial Paper	20,240,000
Total Tax-Supported Debt	228,777,000

TIF-Supported Debt - Harbor Point	21,590,000
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TIF-Supported Debt - Downtown	2,430,000
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Total Tax-Supported & TIF Debt	\$ 252,797,000
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Revenue-Supported Debt:

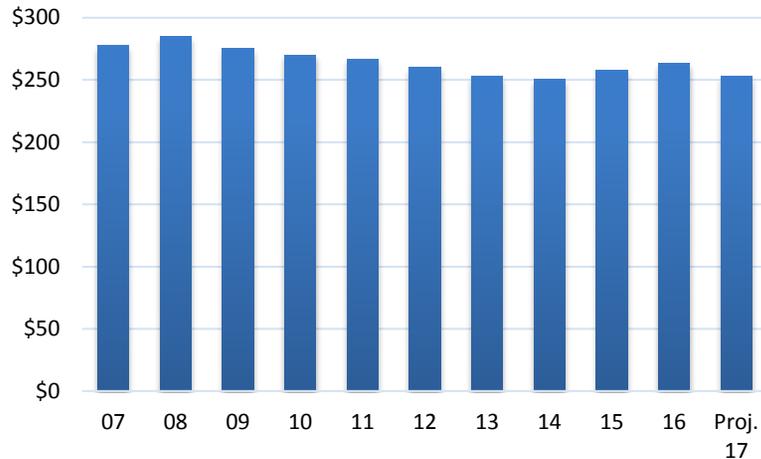
General Obligation Bonds	\$ 27,940,000
Certificates of Obligation	191,792,000
Revenue Bonds	348,975,000
Commercial Paper	211,356,000
Total Revenue-Supported Debt	\$ 780,063,000

Total Projected Outstanding Debt	\$1,032,860,000
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Tax-Supported and TIF-Supported Outstanding Debt

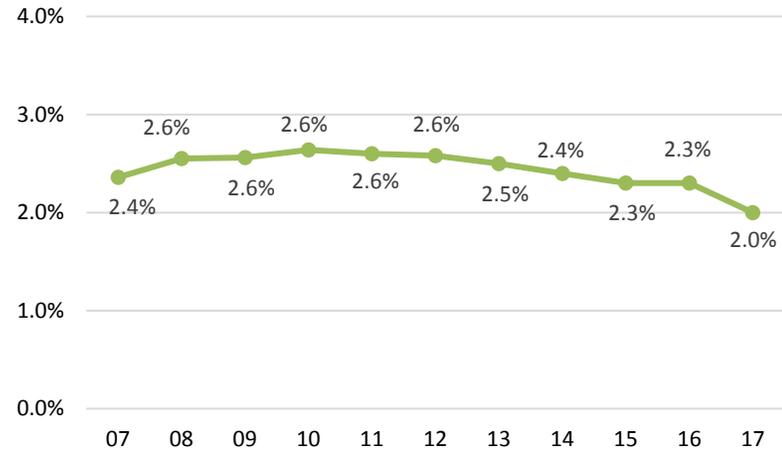
Assuming no project delays, long-term tax-supported and TIF-supported debt is projected to be \$252.8 million by the end of FY 2016-17. This reflects a decrease of \$24.7 million (8.9%) since 2007 due mostly to the decline in the tax base and elongation of the Bond Programs experienced during the recession.

**Historical Tax-Supported Debt Levels
(In Millions)**

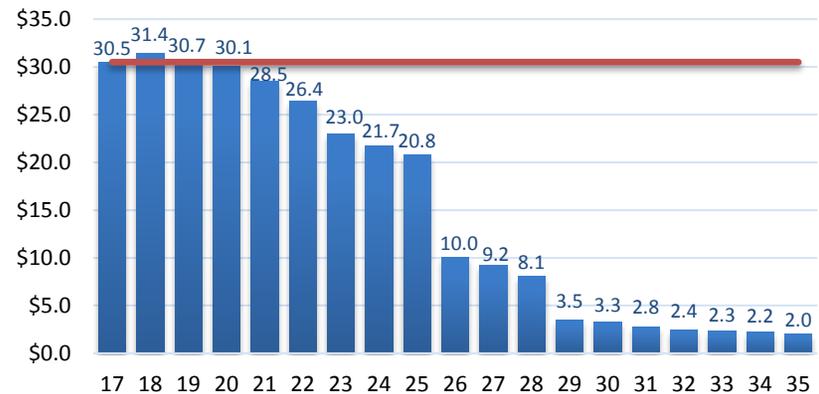


While the State of Texas does not place a debt limitation on Home-Rule cities, Council financial policies restrict tax-supported debt to 5% of the assessed valuation of taxable property. Projected tax-supported long-term debt equates to 2.0% of Garland’s 2016 estimated tax base, which is well below the 5% limitation.

**Long-Term Tax-Supported Debt
As Percentage of Tax Base**

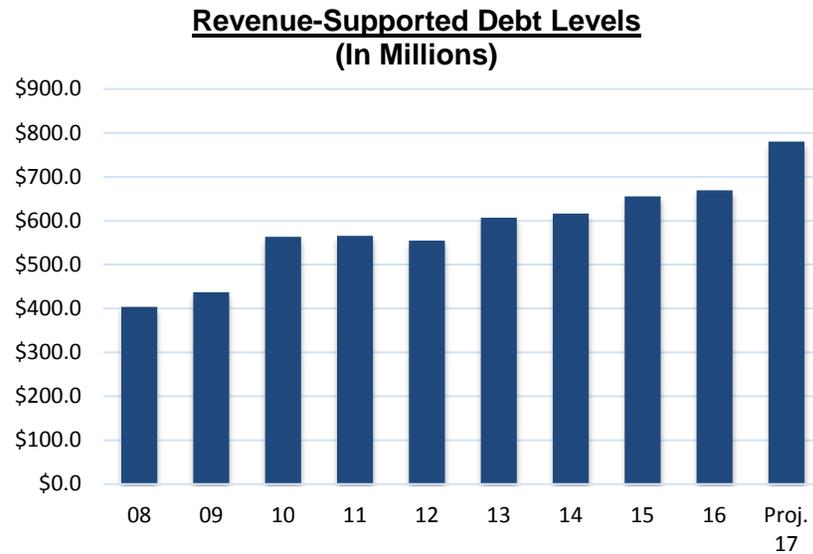


**Existing Long-Term Tax-Supported Debt Service
(In Millions)**



Revenue-Supported Outstanding Debt

Revenue-supported debt is projected to reach \$780.1 million by the end of FY 2016-17. This reflects an increase of \$376.2 million over the past ten years, with most of the increase coming from the City's Electric and Water Utilities.



The following table reflects the projected revenue-supported debt outstanding by the end of FY 2016-17 and the change in outstanding obligations from ten years ago for each area.

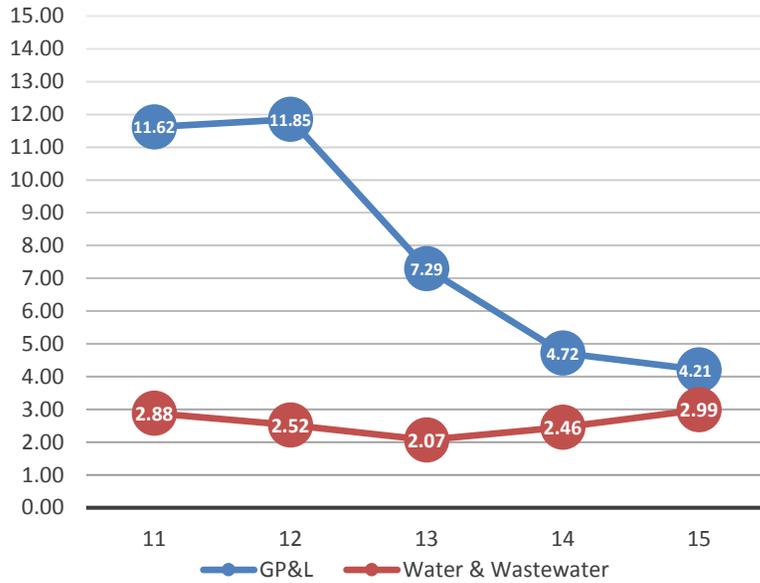
Projected Revenue-Supported Outstanding Debt
FYE 2016-17
(In Millions)

	Projected Outstanding Debt	Change from 2008
Electric Utility	\$513.6	\$351.9
Water Utility	106.5	36.0
Wastewater Utility	123.0	(25.3)
Env. Waste Svcs. - Delivery	10.6	6.2
Stormwater Management	1.2	1.2
Internal Service	<u>25.2</u>	<u>6.1</u>
Totals	<u>\$780.1</u>	<u>\$376.1</u>

For Enterprise Funds, such as the Utilities, pledged-revenue coverage ratios provide a measure of financial strength in relation to the amount of debt the fund is carrying. Ratios are calculated based on net earnings before depreciation and the average annual Debt Service. The higher the resulting ratio, the stronger the financial position of the fund. The pledged-revenue coverage ratios are typically required to be 1.15.

Shown on the following page are the pledged-revenue coverage ratios for Electric and Water & Wastewater Revenue Bonds. Each of the Utilities reflects an excellent pledged-revenue coverage ratio.

**Pledge-Revenue Coverage
Last Five Fiscal Years**



Bond Ratings

The City of Garland’s financial strength has received superb ratings from Standard & Poor’s and Fitch IBCA as reflected below:

Debt Category	Standard & Poor’s	Fitch IBCA
GO/CO Tax-Supported	AA+	AAA
Water/Sewer Revenue Bonds	AA-	AA
Electric Utility System	A+	AA-

**City of Garland
5+ Years Expenditure Projection
Approved Projects
(In 000's Dollars)**

	2017	2018	2019	2020	2021	2022 to Completion	Total Expenditures
Tax-Supported							
Park	\$ 6,707	\$ 6,533	\$ 6,703	\$ 2,894	\$ 1,165	\$ 9,749	\$ 33,751
Street	27,658	41,414	17,553	11,976	10,780	38,944	148,325
Drainage	5,757	4,024	1,139	2,000	6,421	-	19,341
Library	5,594	1,250	300	150	-	-	7,294
Public Safety	3,725	528	4,108	721	2,600	15,137	26,819
Landfill	2,846	2,910	2,182	2,497	3,334	-	13,769
Economic Development	5,141	1,555	2,741	2,421	351	7,235	19,444
Municipal Facilities/Miscellaneous	7,292	2,750	2,560	2,150	2,450	-	17,202
Total Tax-Supported	\$ 64,720	\$ 60,964	\$ 37,286	\$ 24,809	\$ 27,101	\$ 71,065	\$ 285,945
Revenue-Supported							
Miscellaneous	\$ 7,111	\$ 3,354	\$ 3,929	\$ 3,885	\$ 3,927	\$ -	\$ 22,206
Water	18,923	16,485	10,575	10,175	10,175	-	66,333
Wastewater	45,731	20,151	17,677	15,983	14,895	112,290	226,727
Electric	156,607	89,905	39,444	53,849	61,299	-	401,104
Total Revenue-Supported	\$ 228,372	\$ 129,895	\$ 71,625	\$ 83,892	\$ 90,296	\$ 112,290	\$ 716,370
Total CIP Expenditures	\$ 293,092	\$ 190,859	\$ 108,911	\$ 108,701	\$ 117,397	\$ 183,355	\$1,002,315

City of Garland
5+ Years Debt Projection
Approved Projects Debt Requirement
(In 000's Dollars)

	2017	2018	2019	2020	2021	2022 to Completion	Total Debt
Tax-Supported							
General Obligation Debt							
Park	\$ 831	\$ 1,300	\$ 2,590	\$ 1,579	\$ 915	\$ 5,444	\$ 12,659
Street	1,030	15,647	4,305	2,535	1,911	38,544	63,972
Drainage	1,515	1,035	1,000	2,000	4,221	-	9,771
Public Safety	-	-	-	-	-	1,025	1,025
Economic Development	128	1,120	1,397	493	-	7,235	10,373
Total Taxable GO	\$ 3,504	\$ 19,102	\$ 9,292	\$ 6,607	\$ 7,047	\$ 52,248	\$ 97,800
Tax-Supported							
Certificate of Obligation							
Park	\$ 672	\$ 3,632	\$ 3,570	\$ 1,315	\$ 250	\$ 4,305	\$ 13,744
Street	4,791	10,494	10,625	9,441	8,869	400	44,620
Drainage	739	2,379	-	-	2,200	-	5,318
Library	2,042	1,250	300	150	-	-	3,742
Public Safety	2,021	528	4,108	721	2,600	22,084	32,062
Economic Development	252	368	1,274	1,928	351	-	4,173
Municipal Facilities/Miscellaneous	2,954	2,437	2,310	2,112	2,450	-	12,263
Landfill/Transfer Station	2,331	2,752	2,182	2,497	3,334	-	13,096
Total Taxable CO	\$ 15,802	\$ 23,840	\$ 24,369	\$ 18,164	\$ 20,054	\$ 26,789	\$ 129,018
Revenue Bond/Commercial Paper							
Water	\$ 7,825	\$ 16,485	\$ 10,575	\$ 10,175	\$ 10,175	\$ -	\$ 55,235
Wastewater	14,160	19,521	17,686	19,643	15,045	115,790	201,845
Electric	118,104	89,905	39,444	53,849	61,299	-	362,601
Total Revenue Bond	\$ 140,089	\$ 125,911	\$ 67,705	\$ 83,667	\$ 86,519	\$ 115,790	\$ 619,681
Revenue							
Certificate of Obligation							
MIS	\$ 663	\$ 413	\$ 413	\$ 413	\$ -	\$ -	\$ 1,902
Fleet Services	-	-	-	-	-	-	-
Env. Waste Svcs. - Delivery	3,264	2,441	3,016	2,972	3,427	-	15,120
Stormwater Management	525	500	500	500	500	-	2,525
Total Revenue CO	\$ 4,452	\$ 3,354	\$ 3,929	\$ 3,885	\$ 3,927	\$ -	\$ 19,547
Total Debt Issuance	\$ 163,847	\$ 172,207	\$ 105,295	\$ 112,323	\$ 117,547	\$ 194,827	\$ 866,046

DEBT ALLOCATION

**ESTIMATED SALE OF
AUTHORIZED GENERAL OBLIGATION BONDS
(In 000's Dollars)**

PROGRAM	TOTAL BONDS AUTHORIZED	BONDS ISSUED	APPROVED COMMERCIAL PAPER ISSUE	AUTHORIZATION OUTSTANDING	Bond/Commercial Paper Sales						2022 to Completion	Total
					2017	2018	2019	2020	2021			
Park 1991	\$5,144	\$5,144	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Park 1997	12,370	11,620	750	0	0	0	0	0	0	0	0	0
Cultural Arts 1997	3,440	3,440	0	0	0	0	0	0	0	0	0	0
Park 2004	21,680	3,745	5,276	12,659	831	1,300	2,590	1,579	915	5,444	12,659	
TOTAL PARK/CULTURAL ARTS	\$42,634	\$23,949	\$6,026	\$12,659	\$831	\$1,300	\$2,590	\$1,579	\$915	\$5,444	\$12,659	
Street 1991	\$42,497	\$42,497	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Street 1997	72,210	70,650	56	1,504	844	0	0	0	0	660	1,504	
Street 2004	113,370	41,675	9,227	62,468	186	15,647	4,305	2,535	1,911	37,884	62,468	
TOTAL STREET	\$228,077	\$154,822	\$9,283	\$63,972	\$1,030	\$15,647	\$4,305	\$2,535	\$1,911	\$38,544	\$63,972	
Drainage 1997	\$10,570	\$10,570	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Drainage 2004	28,000	15,425	2,804	9,771	1,515	1,035	1,000	2,000	4,221	0	9,771	
TOTAL DRAINAGE	\$38,570	\$25,995	\$2,804	\$9,771	\$1,515	\$1,035	\$1,000	\$2,000	\$4,221	\$0	\$9,771	
Library 1997	\$5,890	\$5,890	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Library 2004	9,400	8,590	810	0	0	0	0	0	0	0	0	0
TOTAL LIBRARY	\$15,290	\$14,480	\$810	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Public Safety 1991	\$7,226	\$7,201	\$25	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Public Safety 1997	19,890	19,090	800	0	0	0	0	0	0	0	0	0
Public Safety 2004	12,950	11,500	425	1,025	0	0	0	0	0	1,025	1,025	
TOTAL PUBLIC SAFETY	\$40,066	\$37,791	\$1,250	\$1,025	\$0	\$0	\$0	\$0	\$0	\$1,025	\$1,025	
Municipal Facilities 1997	\$1,710	\$1,710	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Economic Development 2004	\$11,180	\$2,010	\$2,162	\$7,008	\$128	\$1,120	\$1,397	\$493	\$0	\$3,870	\$7,008	
Land Acquisition 2004	\$3,420	\$55	\$0	\$3,365	\$0	\$0	\$0	\$0	\$0	\$3,365	\$3,365	
Harbor Point Project 2004	\$23,745	\$23,745	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$404,692	\$284,557	\$22,335	\$97,800	\$3,504	\$19,102	\$9,292	\$6,607	\$7,047	\$52,248	\$97,800	
Total 1991	\$54,867	\$54,842	\$25	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total 1997	126,080	122,970	1,606	1,504	844	0	0	0	0	660	1,504	
Total 2004	223,745	106,745	20,704	96,296	2,660	19,102	9,292	6,607	7,047	51,588	96,296	
TOTAL	\$404,692	\$284,557	\$22,335	\$97,800	\$3,504	\$19,102	\$9,292	\$6,607	\$7,047	\$52,248	\$97,800	

**ESTIMATED SALE OF
CERTIFICATE OF OBLIGATION BONDS
(In 000's Dollars)**

PROGRAM	2017	2018	2019	2020	2021	2022 to Completion	Total
Tax Supported							
Drainage	\$739	\$2,379	\$0	\$0	\$2,200	\$0	\$5,318
Economic Development	252	368	1,274	1,928	351	0	4,173
Landfill	2,331	2,752	2,182	2,497	3,334	0	13,096
Library	2,042	1,250	300	150	0	0	3,742
Municipal Facilities	2,954	2,437	2,310	2,112	2,450	0	12,263
Park	672	3,632	3,570	1,315	250	4,305	13,744
Public Safety	2,021	528	4,108	721	2,600	14,112	24,090
Street	4,791	10,494	10,625	9,441	8,869	400	44,620
Total Tax Supported	\$15,802	\$23,840	\$24,369	\$18,164	\$20,054	\$18,817	\$121,046
Internal Service							
Fleet Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Management Information Services	663	413	413	413	0	0	1,902
Total Internal Service	\$663	\$413	\$413	\$413	\$0	\$0	\$1,902
Utilities							
EWS	\$3,264	\$2,441	\$3,016	\$2,972	\$3,427	\$0	\$15,120
Stormwater Management	525	500	500	500	500	0	2,525
Total Utilities	\$3,789	\$2,941	\$3,516	\$3,472	\$3,927	\$0	\$17,645
TOTAL ESTIMATED CO ISSUE	\$20,254	\$27,194	\$28,298	\$22,049	\$23,981	\$18,817	\$140,593

2017 CERTIFICATE OF OBLIGATION ISSUE

Park/Cultural Arts	
Playground Improvements	\$262,000
Repaving of Parking Lots for Parks Dept.	45,000
Dog Park	5,000
Carter Softball Facility Canopy Replacement	180,000
Greenbelt Drainage Improvements	180,000
	<hr/>
Total Park / Cultural Arts	<u>\$672,000</u>
Streets	
Oates Road - Channel Isle to Emerald Lakes #3	\$812,000
Holford Road - Arapaho to PGBT - Construction	300,000
Infrastructure Equipment	654,000
Street Reconstruction and Improvements	3,679,000
	<hr/>
Total Streets	<u>\$5,445,000</u>
Drainage	
Bridge Remediation	\$739,000
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Total Drainage	<u>\$739,000</u>
Library	
Library Materials	\$600,000
Central Library Life and Safety Upgrades	793,000
RFID Service Delivery	649,000
	<hr/>
Total Library	<u>\$2,042,000</u>

2017 CERTIFICATE OF OBLIGATION ISSUE

Public Safety	
Ambulance Remounts	\$503,000
Replace Fire Apparatus	<u>1,518,000</u>
Total Public Safety	<u><u>\$2,021,000</u></u>
Economic Development	
Downtown Streetscape & Redevelopment Design	\$252,000
Total Economic Development	<u><u>\$252,000</u></u>
Facilities Management	
HVAC Replacement/Upgrade	\$400,000
Roof Replacement	400,000
Carver Center Renovation / Safety Upgrades	<u>1,500,000</u>
Total Facilities Management	<u><u>\$2,300,000</u></u>
Landfill/Transfer Station	
Replacement of Landfill Equipment	\$822,000
Replacement of Transfer Station Equipment	411,000
Leachate Discharge System Upgrades	198,000
Hinton Landfill GCCS Expansion	<u>900,000</u>
Total Landfill/Transfer Station	<u><u>\$2,331,000</u></u>
TOTAL GENERAL OBLIGATION	<u><u>\$15,802,000</u></u>

2017 CERTIFICATE OF OBLIGATION ISSUE

Environmental Waste Services - Delivery	
95-Gallon Recycling Containers - Phases 5 thru 6	\$565,000
Replacement of Side-Load Residential Trucks	1,165,000
Replacement of Recycling Truck	289,000
Replacement of Rear-Load Brush Trucks	308,000
Replacement of Brush Tractor Trucks/Trailers	291,000
Replacement of Knuckle Boom Trucks	406,000
Replacement of Commercial Roll-Off Truck	167,000
Replacement of Front-Load Container Carrier Truck	73,000
	<hr/>
Total Environmental Waste Services - Delivery	<u>\$3,264,000</u>
Management Information Services	
Network and Cabling Upgrades	\$250,000
Telephone System Replacement	413,000
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Total Management Information Services	<u>\$663,000</u>
Stormwater Management	
Stormwater Maintenance Equipment	\$525,000
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Total Stormwater Management	<u>\$525,000</u>
TOTAL UTILITIES OBLIGATION	<u>\$4,452,000</u>
TOTAL CO ISSUE	<u>\$20,254,000</u>

2017 REVENUE SUPPORTED COMMERCIAL PAPER ISSUE

Water

Transmission Mains (16-Inch and Above)	\$750,000
Distribution Lines (Up to 14-Inch)	3,200,000
Relocation of Mains Prior to Storm Sewer Installation	275,000
Water Pump Station Rehab	400,000
Water Distribution Line Replacement	500,000
Radio Read Water Meter Retrofit	700,000
Country Club Road Water Transmission Mains	1,000,000
West Pressure Plane Improvements	200,000
Roan Road Water Transmission Main	400,000
Water Quality Assurance	400,000
	<hr/>
Total Water	<u><u>\$7,825,000</u></u>

Wastewater

Infiltration Correction	\$200,000
Sanitary Sewer Taps - New or Relocations	80,000
Collection Mains	1,445,000
Sewer Lift Station Rehab	50,000
Cured-in-Place Pipe Main & Lateral Rehab	1,000,000
Relocation of Mains Prior to Paving	1,100,000
Rowlett Interceptor Rehab	735,000
Rowlett Creek WWTP Processes Improvements	170,000
Rowlett Creek WWTP Replacements/Mods.	1,750,000
Duck Creek WWTP Replacements/Mods.	265,000
Duck Creek WWTP Processes Improvements	4,865,000
Rowlett Creek Operations Center Renovation	2,500,000
	<hr/>
Total Wastewater	<u><u>\$14,160,000</u></u>

2017 REVENUE SUPPORTED COMMERCIAL PAPER ISSUE

Electric	
Transmission Lines	\$24,811,000
Communications Upgrades/Improvements	50,000
Commercial and Industrial Construction	1,857,000
Distribution Lines - Overhead	1,931,000
Distribution Lines - Underground	5,185,000
Substations Upgrades	16,017,000
Various Improvements	110,000
Limestone to Gibbons Creek Transmission Line	68,143,000
	<hr/>
Total Electric	\$118,104,000
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TOTAL COMMERCIAL PAPER OBLIGATION	\$140,089,000
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2016 CIP STATUS

CITY OF GARLAND CAPITAL IMPROVEMENT PROGRAM 2016 STATUS REPORT

INTRODUCTION

The Capital Improvement Program (CIP) Status Report summarizes the current standing of projects included in the 2016 CIP, which was approved by the City Council on February 16, 2016. The Status Report is divided into three major sections including:

- 1) **Completion Rate** – Completion rate of the 2016 CIP for each program area. Reflects the percentage of 2016 funding projected to be expended by the end of the 2016 calendar year.
- 2) **Project Schedule** – A schedule reflecting each project included in the 2016 CIP, the completion date estimated at the time the CIP was adopted, and the revised completion date as submitted by departments in October 2016.
- 3) **Remaining 1991, 1997, and 2004 Bond Projects** – Schedule of uncompleted projects authorized in the 1991, 1997, and 2004 Bond Referendums, with updated completion dates.

Completion Rate

2016 CIP – COMPLETION RATE

Program Areas	Completion Rate
Tax-Supported Programs:	
Park	30.8%
Street/Transportation	50.0%
Drainage	21.3%
Library	28.5%
Public Safety	90.1%
Economic Development	45.2%
Facilities and Miscellaneous	58.0%
Landfill/Transfer Station	86.9%
Total Tax-Supported	38.9%
Internal Service	26.3%
Utility Programs:	
Environmental Waste Services	94.0%
Stormwater Management	100.0%
Water	63.3%
Wastewater	32.6%
Electric	69.9%
Total Utility-Supported	58.7%
Grand Total	57.3%

Additional information is included that reflects the original completion dates as projected in December 2015 and updated completion dates as revised by departments in October 2016.

Project Schedule

2016 CIP STATUS BY PROJECT

<u>Park</u>		Approved Completion Date	Revised Completion Date	Project Delay (Months)
18213	Atrium Renovations	March-2016	September-2017	(18)
18209	Trail Development	Ongoing	Ongoing	
18318	Surf & Swim Aquatic Facility Expansion	Ongoing	Ongoing	
18320	Granger Recreation Center & Annex Renovation	December-2019	December-2019	
18324	Bradfield, Wynne, & Holford Pools	December-2016	COMPLETE	
18325	Audubon Recreation Center Expansion	December-2019	March-2020	(3)
18327	Gale Fields Recreation Center Expansion	February-2023	June-2023	(4)
18329	Tuckerville Park Sports Field Development	December-2027	December-2027	
18330	Skating/Skateboard Facility	May-2018	February-2019	(9)
18331	Expand Centralized Irrigation/Lighting Control	Ongoing	Ongoing	
18332	Land Acquisition	Ongoing	Ongoing	
18334	Audubon Park Picnic Area Paving Replacement	December-2022	April-2022	8
18335	Gatewood Picnic Pavilion	December-2019	December-2020	(12)
18337	Windsurf Bay Park	December-2017	June-2019	(18)
18338	Playground Improvements	Ongoing	Ongoing	
18345	Repaving of Parking Lots for Parks Department	Ongoing	Ongoing	
18346	Central Park - Park Operations Facility Improvements	September-2023	September-2023	
18347	Dog Park	December-2017	February-2019	(14)
18348	Park Lighting Improvements - Parking Lots	Ongoing	Ongoing	
18350	Fencing - Audubon and Winters Soccer Complex	April-2016	December-2017	(20)
18351	Pedestrian/Bike Bridges - Duck Creek	December-2016	December-2017	(12)
18352	Granville Arts Center - Art Sculpture	May-2017	June-2017	(1)

2016 CIP STATUS BY PROJECT

Street/Transportation		Approved Completion Date	Revised Completion Date	Project Delay (Months)
14176	New Sidewalks	Ongoing	Ongoing	
14200	Street and Alley Petition	Ongoing	Ongoing	
14202	Sidewalk / Curb & Gutter Participation	Ongoing	Ongoing	
14255	Fifth Street - Miller to Avenue D - Phase B	December-2020	December-2022	(24)
14257	Pleasant Valley - Firewheel Pkwy. to Richfield	March-2016	COMPLETE	
14261	Oates Road - Broadway to Rosehill	October-2017	December-2018	(14)
14264	Callejo Road - Botello to Campbell	December-2025	December-2024	12
14265	Chaha Road - I.H. 30 to Zion	December-2024	December-2024	
14266	Chaha Road - I.H. 30 to Lake Ray Hubbard Pkwy.	December-2025	December-2025	
14272	Bobtown Road - Rowlett to Waterhouse	December-2018	March-2019	(3)
14273	Brand Road - S.H. 190 to Muirfield	December-2017	December-2019	(24)
14279	Northwest Highway - Centerville to La Prada	February-2016	COMPLETE	
14288	Shiloh Road - I.H. 635 to Kingsley	June-2018	December-2019	(18)
14292	Pleasant Valley Road Bridge	December-2017	December-2018	(12)
14294	Miller Road Bridge	October-2016	COMPLETE	
14300	Fifth Street - Miller to Kingsley	December-2017	December-2017	
14301	Screen Wall Reconstruction	Ongoing	Ongoing	
14302	Naaman School/Brand/Campbell Alignment	June-2017	June-2019	(24)
14303	Waterhouse - Bobtown to Hayman	December-2017	December-2019	(24)
14305	Holford Road - PGBT to Campbell Road	December-2016	December-2017	(12)
14306	Holford Road - Arapaho to PGBT	December-2016	December-2017	(12)
14308	Bobtown Road - Kelso to Barnes Bridge	December-2016	December-2017	(12)
15640	Operational and Safety Improvements	Ongoing	Ongoing	
15219	Miscellaneous Equipment and Services	Ongoing	Ongoing	
15600	New Traffic Signal Installations	Ongoing	Ongoing	
15544	LED Replacement Program	Ongoing	Ongoing	
15530	Traffic Control System	Ongoing	Ongoing	
15547	Emergency Services Signal Equipment	Ongoing	Ongoing	
15578	Railroad Crossing Improvements	Ongoing	Ongoing	
15596	North-South Bikeway	December-2017	December-2018	(12)
15620	Signal Equipment Modernizations	Ongoing	Ongoing	
15751	Train Quiet Zone	Ongoing	Ongoing	
14304	LBJ Sound Wall Aesthetics	June-2016	June-2017	(12)
14307	Transit Pass - Bottleneck Improvements	December-2018	December-2019	(12)
39821	Shady Lane - Tanglewood Ln. to Resistol Rd.	September-2016	COMPLETE	
39822	Arrowhead Dr. - Broadmoor to Northwest	September-2016	COMPLETE	
39818	Street Reconstruction and Improvements	Ongoing	Ongoing	

2016 CIP STATUS BY PROJECT

		Approved Completion Date	Revised Completion Date	Project Delay (Months)
<u>Drainage</u>				
14230	Miscellaneous Flooding	Ongoing	Ongoing	
14231	Petition Drainage	Ongoing	Ongoing	
14244	Classic and Yale	December-2020	December-2021	(12)
14245	Garland Heights / Freeman	December-2021	December-2021	
14246	Parkmont Drive	December-2017	December-2018	(12)
14248	Bridge Remediation	December-2016	December-2018	(24)
14299	Downtown Drainage Improvements	June-2016	June-2017	(12)
<u>Library</u>				
19580	Library Materials	Ongoing	Ongoing	
19581	Facilities Upgrades	Ongoing	Ongoing	
19584	Central Library Parking Lot Lighting	May-2016	December-2018	(31)
19585	Central Library Fire Upgrades	May-2016	December-2018	(31)
19587	RFID Service Delivery	December-2017	December-2017	
<u>Public Safety</u>				
Fire				
12032	Fire Station No. 5	December-2016	March-2017	(3)
12099	Remodel Fire Station No. 7	December-2022	December-2024	(24)
12101	Relocate Fire Station No. 1	December-2025	December-2025	
12107	Ambulance Remounts	Ongoing	Ongoing	
12058	Replace Fire Apparatus	Ongoing	Ongoing	
12108	Emergency Response Safety Equipment/Services	Ongoing	Ongoing	
Management Information Services				
23047	Radio System Replacement	December-2016	October-2017	(10)

2016 CIP STATUS BY PROJECT

		Approved Completion Date	Revised Completion Date	Project Delay (Months)
<u>Economic Development</u>				
Engineering				
10046	Land/Property Acquisition	Ongoing	Ongoing	
Planning				
10027	Downtown Streetscape & Redevelopment Design	Ongoing	Ongoing	
10032	Land Acquisition	Ongoing	Ongoing	
10034	Neighborhood Vitality Grant Program	December-2019	December-2020	(12)
10042	Downtown Gateways	December-2017	December-2018	(12)
10043	Downtown Square Design & Construction	December-2019	December-2020	(12)
10044	Forest/Jupiter Streetscape	December-2020	December-2022	(24)
10049	Commercial Corridor Revitalization	December-2022	December-2022	
10127	Walnut Street Pedestrian Corridor	December-2016	December-2017	(12)
10136	City Center Development	June-2016	June-2017	(12)
10508	Economic Development Office	August-2016	August-2017	(12)
<u>Municipal Facilities and Miscellaneous Tax Supported</u>				
Facilities Management				
16037	HVAC Replacement/Upgrade	Ongoing	Ongoing	
16038	Roof Replacement	Ongoing	Ongoing	
16039	Facilities Upgrade	Ongoing	Ongoing	
16057	Fire Alarm, Fire Safety and Security Systems	Ongoing	Ongoing	
16062	Parking Lot Upgrades	Ongoing	Ongoing	
16066	Carver 3 Renovation	September-2016	December-2017	(15)
16104	City Hall Code/Safety Updates	October-2016	June-2017	(8)
Firewheel				
36529	Firewheel Golf Park Equipment	Ongoing	Ongoing	
36530	Firewheel Golf Park Improvements	December-2020	December-2021	(12)
36531	Firewheel Golf Park Cart Replacements	Ongoing	Ongoing	
Public & Media Relations				
16084	CGTV - Upgrades	Ongoing	Ongoing	
Street				
39811	Infrastructure Equipment	Ongoing	Ongoing	
39818	Structure for Sanding Material	December-2016	COMPLETE	

2016 CIP STATUS BY PROJECT

		Approved Completion Date	Revised Completion Date	Project Delay (Months)
<u>Miscellaneous Revenue Supported and Internal Service</u>				
EWS Group - Delivery				
21070	95-Gallon Recycling Containers - Phase 4 thru 6	October-2017	October-2017	
21068	Replacement of Side-Load Residential Trucks	Ongoing	Ongoing	
21069	Replacement of Recycling Truck	Ongoing	Ongoing	
21071	Replacement of Rear-Load Residential Trucks	Ongoing	Ongoing	
21072	Replacement of Knuckle Boom Trucks	Ongoing	Ongoing	
21074	Replacement of Brush Trailers	Ongoing	Ongoing	
21073	Replacement of Brush Tractor Trucks	Ongoing	Ongoing	
21075	Replacement of Commercial Front-Load Trucks	Ongoing	Ongoing	
Fleet Services				
19030	Fuel System Upgrade	December-2016	December-2017	(12)
19033	Fleet Services Facility Renovation	December-2016	June-2017	(6)
Management Information Services				
23045	Extend Fiber Optic Cable	Ongoing	Ongoing	
23019	Network and Cabling Upgrades	Ongoing	Ongoing	
Stormwater Management				
39819	Stormwater Maintenance Equipment	Ongoing	Ongoing	
<u>Landfill/Transfer Station</u>				
17151	Replacement of Landfill Equipment	Ongoing	Ongoing	
17150	Replacement of Transfer Station Equipment	Ongoing	Ongoing	
17157	Construction of Waste Cell #7	June-2017	COMPLETE	
17158	Automated Truck Wheel Wash System	October-2016	COMPLETE	

2016 CIP STATUS BY PROJECT

		Approved Completion Date	Revised Completion Date	Project Delay (Months)
<u>Water</u>				
30190	Transmission Mains (16-Inch and Above)	Ongoing	Ongoing	
30191	Distribution Lines (Up to 14-Inch)	Ongoing	Ongoing	
30192	Relocation of Mains Prior to Paving	Ongoing	Ongoing	
30195	Relocation of Mains Prior to Storm Sewer Installation	Ongoing	Ongoing	
30197	Water Pump Station Rehabilitation	Ongoing	Ongoing	
30205	Fire Hydrant Installation	Ongoing	Ongoing	
30206	New Water Service Installation	Ongoing	Ongoing	
30207	Upgrade Undersized Water Mains	Ongoing	Ongoing	
30208	Water Distribution Line Replacement	Ongoing	Ongoing	
30213	Radio Read Water Meter Retrofit	Ongoing	Ongoing	
30216	Country Club Road Water Transmission Mains	December-2017	June-2018	(6)
30222	West Pressure Plane Improvements	December-2017	December-2018	(12)
30231	Pleasant Valley Water Main	December-2016	COMPLETE	
30234	Water Utility Equipment	June-2016	COMPLETE	
<u>Wastewater</u>				
32123	Participation In New Sewer Development	Ongoing	Ongoing	
32124	Infiltration Correction - Various	Ongoing	Ongoing	
32147	Sewer Collection Mains - Manholes	Ongoing	Ongoing	
32148	Sanitary Sewer Taps - New or Relocations	Ongoing	Ongoing	
32149	Collection Mains	Ongoing	Ongoing	
32151	Sewer Lift Station Rehab	Ongoing	Ongoing	
32154	Cured-in-Place Pipe Main & Lateral Rehab	Ongoing	Ongoing	
32157	Relocation of Mains Prior to Paving	Ongoing	Ongoing	
32161	Rowl-1 - Campbell to Shiloh	November-2019	November-2020	(12)
32174	Lift Station Abandonment	December-2016	December-2018	(24)
32180	Long Branch - II Wastewater Main Realignment	December-2016	December-2017	(12)
32181	Duck Creek Greenbelt Trail Extension	May-2016	June-2018	(25)
32183	Duck Creek Interceptor Rehab	December-2022	December-2022	
32184	Rowlett Interceptor Rehab	December-2021	December-2022	(12)
32187	S.H. 190 Catalyst Area	December-2017	December-2019	(24)
33028	Rowlett Creek WWTP Processes Improvements	Ongoing	Ongoing	
33029	Rowlett Creek WWTP Replacements/Mods.	Ongoing	Ongoing	
34027	Duck Creek WWTP Replacements/Mods.	Ongoing	Ongoing	
34035	Rowlett Creek WWTP Biosolids Expansion	Ongoing	Ongoing	
34038	Duck Creek WWTP Processes Improvements	Ongoing	Ongoing	
34039	Duck Creek Laboratory Building Demolition	September-2016	COMPLETE	

2016 CIP STATUS BY PROJECT

		Approved Completion Date	Revised Completion Date	Project Delay (Months)
Electric				
31387	Transmission Lines	Ongoing	Ongoing	
31223	Communications Upgrades/Improvements	Ongoing	Ongoing	
31240	Residential Construction	Ongoing	Ongoing	
31320	Commercial and Industrial Construction	Ongoing	Ongoing	
31460	Street and Thoroughfare Lighting	Ongoing	Ongoing	
31491	Relocation of Facilities	Ongoing	Ongoing	
31532	Distribution Lines - Overhead	Ongoing	Ongoing	
31551	Production	Ongoing	Ongoing	
31624	Distribution Lines - Underground	Ongoing	Ongoing	
31717	Substations Upgrades	Ongoing	Ongoing	
31875	Various Improvements	Ongoing	Ongoing	
31424	Limestone to Gibbons Creek Transmission Line	December-2018	December-2018	

**Remaining 1991, 1997,
and 2004 Bond Projects**

1991 Bond Program

Of the total funds available for projects included in the 1991 Bond Program, 99.9% was projected to be expended by the end of the 2016 calendar year. Of the \$54.9 million in General Obligation (GO) Bonds authorized in the 1991 Referendum, \$54.9 million (100%) will have actually been issued by the end of 2017. Additional details regarding outstanding projects approved in the 1991 Bond Referendum are included in the last section of the Status Report.

1997 Bond Program

Of the total funds available for projects included in the 1997 Bond Program, 97.3% was projected to be expended by the end of the 2016 calendar year. Of the \$126.1 million in General Obligation (GO) Bonds authorized in the 1997 Referendum, \$125.4 million (99.5%) will have actually been issued by the end of 2017. Additional details regarding outstanding projects approved in the 1997 Bond Referendum are included in the last section of the Status Report.

2004 Bond Program

Of the total funds available for projects included in the 2004 Bond Program, 49.8% was projected to be expended by the end of the 2016 calendar year. Of the \$223.7 million in General Obligation (GO) Bonds authorized in the 2004 Referendum, \$130.12 million (58.2%) will have actually been issued by the end of 2017. Additional details regarding outstanding projects approved in the 2004 Bond Referendum are included in the last section of the Status Report.

**CITY OF GARLAND
 CURRENT STATUS OF UNSPENT 1991 GO BONDS
 DECEMBER 2016
 (In 000's Dollars)**

Project No.	Project Description	Page	Funding Source	2017	2018	2019 to Completion	Remaining to Fund	Projected Completion Date
	Park							
*18338	Playground Improvements	P14	GOB91	\$19	\$0	\$0	\$19	Ongoing
	Total			\$19	\$0	\$0	\$19	
Grand Total - 1991 Bond Program				\$19	\$0	\$0	\$19	

* Additional funding in 2004 Program

**CITY OF GARLAND
CURRENT STATUS OF UNSPENT 1997 GO BONDS
DECEMBER 2016
(In 000's Dollars)**

Project No.	Project Description	Page	Funding Source	2017	2018	2019 to Completion	Remaining to Fund	Projected Completion Date
<u>Park</u>								
*18209	Trail Development	P02	GOB97	\$0	\$435	\$293	\$728	Ongoing
	Total			\$0	\$435	\$293	\$728	
<u>Street/Transportation</u>								
14299	Fifth Street - Miller to Kingsley	ST13	GOB97	\$1,647	\$0	\$0	\$1,647	Dec 2017
*15578	Railroad Crossing Improvements	ST28	GOB97	197	0	0	197	Ongoing
15596	North-South Bikeway	ST29	GOB97	237	0	0	237	Dec 2018
	Undesignated		GOB97	0	0	660	660	
	Total			\$2,081	\$0	\$660	\$2,741	
Grand Total - 1997 Bond Program				\$2,081	\$435	\$953	\$3,469	

* Additional funding in 2004 Program

**CITY OF GARLAND
CURRENT STATUS OF UNSPENT 2004 GO BONDS
DECEMBER 2016
(In 000's Dollars)**

Project No.	Project Description	Page	Funding Source	2017	2018	2019 to Completion	Remaining to Fund	Projected Completion Date
<u>Park</u>								
18209	Trail Development	P02	GOB04	\$0	\$0	\$700	\$700	Ongoing
18318	Surf & Swim Aquatic Facility Expansion	P03	GOB04	0	0	1,204	1,204	Ongoing
18320	Granger Rec. Center & Annex Renovation	P04	GOB04	769	291	0	1,060	Dec 2019
18325	Audubon Recreation Center Expansion	P05	GOB04	104	590	1,890	2,584	Mar 2020
18327	Gale Fields Recreation Center - Addition	P06	GOB04	0	0	1,000	1,000	Jun 2023
18329	Tuckerville Park Sports Field Development	P07	GOB04	370	600	4,004	4,974	Dec 2027
18330	Skating/Skateboard Facility	P08	GOB04	389	110	0	499	Feb 2019
18331	Expand Centralized Irrig./Lighting Control	P09	GOB04	140	0	0	140	Ongoing
18332	Land Acquisition	P10	GOB04	0	0	655	655	Ongoing
18334	Audubon Picnic Area	P11	GOB04	0	0	700	700	Apr 2022
18335	Gatewood Picnic Pavilion	P12	GOB04	0	0	425	425	Dec 2020
18337	Windsurf Bay Park	P13	GOB04	150	350	200	700	Jun 2019
18338	Playground Improvements	P14	GOB04	642	0	0	642	Ongoing
	Total			<u>\$2,564</u>	<u>\$1,941</u>	<u>\$10,778</u>	<u>\$15,283</u>	
<u>Drainage</u>								
14230	Miscellaneous Flooding	D01	GOB04	\$350	\$120	\$0	\$470	Ongoing
14231	Petition Drainage	D02	GOB04	300	490	301	1,091	Ongoing
14244	Classic and Yale	D03	GOB04	90	0	2,859	2,949	Dec 2021
14245	Garland Heights / Freeman	D04	GOB04	0	0	4,200	4,200	Dec 2021
14246	Parkmont Drive	D05	GOB04	2,560	1,035	0	3,595	Dec 2018
	Total			<u>\$3,300</u>	<u>\$1,645</u>	<u>\$7,360</u>	<u>\$12,305</u>	

**CITY OF GARLAND
CURRENT STATUS OF UNSPENT 2004 GO BONDS
DECEMBER 2016
(In 000's Dollars)**

Project No.	Project Description	Page	Funding Source	2017	2018	2019 to Completion	Remaining to Fund	Projected Completion Date
<u>Street/Transportation</u>								
14176	New Sidewalks	ST01	GOB04	\$350	\$350	\$650	\$1,350	Ongoing
14200	Street and Alley Petition	ST02	GOB04	125	325	1,332	1,782	Ongoing
14202	Sidewalk / Curb & Gutter Participation	ST03	GOB04	205	250	695	1,150	Ongoing
14255	Fifth Street - Miller to Avenue D (Phase B)	ST04	GOB04	0	0	1,489	1,489	Dec 2022
14261	Oates Road - Broadway to Rosehill	ST05	GOB04	1,050	3,681	0	4,731	Dec 2018
14264	Callejo Road - Botello to Campbell	ST06	GOB04	0	0	6,000	6,000	Dec 2024
14265	Chaha Road - I.H. 30 to Zion	ST07	GOB04	0	0	1,000	1,000	Dec 2024
14266	Chaha Rd. - I.H. 30 to Lake Ray Hubbard Pkwy.	ST08	GOB04	0	0	2,422	2,422	Dec 2025
14272	Bobtown Road - Rowlett to Waterhouse	ST09	GOB04	290	4,516	20	4,826	Mar 2019
14273	Brand Road - S.H. 190 to Muirfield	ST10	GOB04	400	7,100	1,000	8,500	Dec 2019
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	GOB04	1,850	1,430	2,224	5,504	Dec 2019
15640	Operational and Safety Improvements	ST22	GOB04	801	200	401	1,402	Ongoing
15600	New Traffic Signal Installations	ST24	GOB04	279	300	1,088	1,667	Ongoing
15530	Traffic Control System	ST26	GOB04	203	250	3,368	3,821	Ongoing
15547	Emergency Services Signal Equipment	ST27	GOB04	43	125	325	493	Ongoing
15578	Railroad Crossing Improvements	ST28	GOB04	0	150	850	1,000	Ongoing
15620	Signal Equipment Modernizations	ST30	GOB04	124	250	950	1,324	Ongoing
15751	Train Quiet Zone	ST31	GOB04	108	0	1,675	1,783	Ongoing
	Undesignated		GOB04	0	0	22,210	22,210	
	Total			\$5,828	\$18,927	\$47,699	\$72,454	

**CITY OF GARLAND
CURRENT STATUS OF UNSPENT 2004 GO BONDS
DECEMBER 2016
(In 000's Dollars)**

Project No.	Project Description	Page	Funding Source	2017	2018	2019 to Completion	Remaining to Fund	Projected Completion Date
<u>Public Safety - Fire</u>								
12032	Relocate Fire Station No. 5	PS01	GOB04	\$0	\$0	\$0	\$0	Mar 2017
12099	Remodel Fire Station No. 7	PS02	GOB04	0	0	425	425	Dec 2024
12101	Relocate Fire Station No. 1	PS03	GOB04	0	0	600	600	Dec 2025
	Total			<u>\$0</u>	<u>\$0</u>	<u>\$1,025</u>	<u>\$1,025</u>	
<u>Economic Development</u>								
10032	Land Acquisition	ED03	GOB04	\$0	\$0	\$3,365	\$3,365	Ongoing
10034	Neighborhood Vitality Grant Program	ED04	GOB04	520	520	1,013	2,053	Dec 2020
10042	Downtown Gateways	ED05	GOB04	155	600	0	755	Dec 2018
10043	Downtown Square Design	ED06	GOB04	222	0	877	1,099	Dec 2020
10044	Forest/Jupiter Streetscape	ED07	GOB04	0	0	980	980	Dec 2022
10049	Commercial Corridor Revitalization	ED08	GOB04	0	0	2,890	2,890	Dec 2022
	Total			<u>\$897</u>	<u>\$1,120</u>	<u>\$9,125</u>	<u>\$11,142</u>	
Grand Total - 2004 Bond Program				<u>\$12,589</u>	<u>\$23,633</u>	<u>\$75,987</u>	<u>\$112,209</u>	

DETAIL PROJECT SUMMARIES

PARK DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
18213	Atrium Renovations	P01	CO	\$370	\$12	\$0	\$0	\$0	\$0	\$0	\$382
18209	Trail Development	P02	GOB97/04/Other	288	884	960	993	0	0	0	3,125
18318	Surf & Swim Aquatic Facility Expansion	P03	GOB04	751	0	0	0	1,204	0	0	1,955
18320	Granger Recreation Center & Annex Renovation	P04	GOB04/UNF	90	769	1,923	2,284	0	0	0	5,066
18325	Audubon Recreation Center Expansion	P05	GOB04/UNF	216	104	590	2,290	600	0	0	3,800
18327	Gale Fields Recreation Center Expansion	P06	GOB04	0	0	0	0	0	60	940	1,000
18329	Tuckerville Park Development	P07	GOB04	26	370	600	0	0	0	4,004	5,000
18330	Skating/Skateboard Facility	P08	GOB04/UNF	1	389	610	150	0	0	0	1,150
18331	Expand Centralized Irrigation/Lighting Control	P09	GOB04	110	140	0	0	0	0	0	250
18332	Land Acquisition	P10	GOB04	345	0	0	0	0	655	0	1,000
18334	Audubon Park Picnic Area Paving Replacement	P11	GOB04	0	0	0	0	0	200	500	700
18335	Gatewood Picnic Pavilion	P12	GOB04	0	0	0	50	375	0	0	425
18337	Windsurf Bay Park	P13	GOB04	0	150	350	200	0	0	0	700
18338	Playground Improvements	P14	GOB91/04/CO/INT/UNF	19	978	0	300	0	0	0	1,297
18345	Repaving of Parking Lots for Parks Dept.	P15	CO/UNF	65	1,240	625	250	715	250	1,235	4,380
18346	Central Park - Park Operations Facility Imprvmts.	P16	CO/UNF	615	440	0	0	0	0	3,070	4,125
18347	Dog Park	P17	CO/UNF	25	330	615	146	0	0	0	1,116
18348	Park Lighting Improvements - Parking Lots	P18	CF/CO/UNF	0	96	40	40	0	0	0	176
18350	Fencing - Audubon and Winters Soccer Complex	P19	CO	20	120	0	0	0	0	0	140
18351	Pedestrian/Bike Bridges - Duck Creek	P20	CO	0	225	0	0	0	0	0	225
18352	Granville Arts Center - Art Sculpture	P21	CF/Other	200	100	0	0	0	0	0	300
18353 *	Carter Softball Facility Canopy Replacement	P22	CO	0	180	0	0	0	0	0	180
18354 *	Greenbelt Drainage Improvements	P23	CO	0	180	220	0	0	0	0	400
Total				<u>\$3,141</u>	<u>\$6,707</u>	<u>\$6,533</u>	<u>\$6,703</u>	<u>\$2,894</u>	<u>\$1,165</u>	<u>\$9,749</u>	<u>\$36,892</u>
Total Existing CO's/Current Funds/Interest/Other				\$1,295	\$3,452	\$525	\$0	\$0	\$0	\$0	\$5,272
Unfunded				0	0	3,632	3,570	1,315	250	4,305	13,072
2017 Certificates of Obligation				0	672	0	0	0	0	0	672
Total 1991 Bond Program				19	19	0	0	0	0	0	38
Total 1997 Bond Program				288	0	435	293	0	0	0	1,016
Total 2004 Bond Program				<u>1,539</u>	<u>2,564</u>	<u>1,941</u>	<u>2,840</u>	<u>1,579</u>	<u>915</u>	<u>5,444</u>	<u>16,822</u>
Total				<u>\$3,141</u>	<u>\$6,707</u>	<u>\$6,533</u>	<u>\$6,703</u>	<u>\$2,894</u>	<u>\$1,165</u>	<u>\$9,749</u>	<u>\$36,892</u>

*Projects funded for the first time

PARK DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
<u>Park</u>										
18209	Trail Development	P02	Appr.	\$0	\$0	\$650	\$0	\$0	\$0	\$650
18218	Surf & Swim Aquatic Facility Expansion	P03	Appr.	0	0	0	1,204	0	0	1,204
18320	Granger Recreation Center & Annex Renovation	P04	Appr.	0	1,632	2,284	0	0	0	3,916
18325	Audubon Recreation Center Expansion	P05	Appr.	0	590	2,290	600	0	0	3,480
18327	Gale Fields Recreation Center Expansion	P06	Appr.	0	0	0	0	60	940	1,000
18329	Tuckerville Park Development	P07	Appr.	370	600	0	0	0	4,004	4,974
18330	Skating/Skateboard Facility	P08	Appr.	321	610	150	0	0	0	1,081
18331	Expand Centralized Irrigation/Lighting Control	P09	Appr.	140	0	0	0	0	0	140
18332	Land Acquisition	P10	Appr.	0	0	0	0	655	0	655
18334	Audubon Park Picnic Area Paving Replacement	P11	Appr.	0	0	0	0	200	500	700
18335	Gatewood Picnic Pavilion	P12	Appr.	0	0	50	375	0	0	425
18338	Playground Improvements	P14	Appr.	262	0	300	0	0	0	562
18345	Repaving of Parking Lots for Parks Dept.	P15	Appr.	45	625	250	715	250	1,235	3,120
18346	Central Park - Park Operations Facility Imprvmts.	P16	Appr.	0	0	0	0	0	3,070	3,070
18347	Dog Park	P17	Appr.	5	615	146	0	0	0	766
18348	Park Lighting Improvements - Parking Lots	P18	Appr.	0	40	40	0	0	0	80
18353	* Carter Softball Facility Canopy Replcmt.	P22	Appr.	180	0	0	0	0	0	180
18354	* Greenbelt Drainage Improvements	P23	Appr.	180	220	0	0	0	0	400
Total				<u>\$1,503</u>	<u>\$4,932</u>	<u>\$6,160</u>	<u>\$2,894</u>	<u>\$1,165</u>	<u>\$9,749</u>	<u>\$26,403</u>
Total Approved				\$1,503	\$4,932	\$6,160	\$2,894	\$1,165	\$9,749	\$26,403
Total Unapproved				0	0	0	0	0	0	\$0
Total				<u>\$1,503</u>	<u>\$4,932</u>	<u>\$6,160</u>	<u>\$2,894</u>	<u>\$1,165</u>	<u>\$9,749</u>	<u>\$26,403</u>

*Projects funded for the first time

PAGE NO: P01		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 2		
DEPARTMENT PARKS & RECREATION		PROJECT TITLE ATRIUM RENOVATIONS				PROJECT NO(S) 18213		ACCOUNT NO(S) 692-4749-18213XX		
PROJECT DESCRIPTION		PROJECT NO(S)				FUNDING SOURCE(S)				
<p>This final phase of the project includes exterior pedestrian lighting improvements along the sidewalks at the front entrance of the Granville Arts Center; additional lighting as necessary at the Arts Center Entrance for the proposed cast bronze sculpture. The lighting will take place under the contracts for reconstruction of the entry drive and of the installation of the cast bronze sculpture at the Arts Center.</p>		<p>Certificates of Oblig. Issued \$ 382,000</p>		<p>TOTAL FUNDED \$ 382,000</p>		<p>UNFUNDED \$</p>		<p>PROJECT TOTAL \$ 382,000</p>		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION								
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations 350 # of Positions Capital Total \$350		<p>Staff have reviewed the additional Operating Budget impacts and have determined that, with normal use, there could be an impact of approximately \$350 per year for lamp or parts replacements to lighting fixtures or equipment.</p>								
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Design										
Land/Right-of-Way										
Construction	370	12						382		
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS	370	12						382		
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation	382							382		
Other										
Unfunded										
TOTAL SOURCES	382							382		
		PROJECT SCHEDULE		START		FINISH				
		Design								
		Land/Right-of-Way								
		Construction		10/2015		9/2017				
		Finish Out								
		Other								
		TOTAL SCHEDULE		10/2015		9/2017				

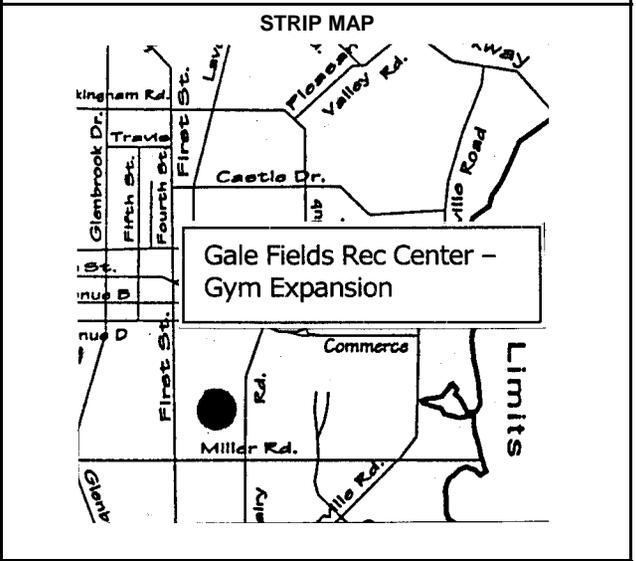
PAGE NO: P03		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 4			
CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				PROJECT NO(S) 18318		ACCOUNT NO(S) 614-2499-1831804					
DEPARTMENT PARKS & RECREATION		PROJECT TITLE SURF & SWIM AQUATIC FACILITY EXPANSION						FUNDING SOURCE(S)			
PROJECT DESCRIPTION		Phase 1 of this project was completed several years ago for circulation and filtration systems, new pool coatings, and other related to the Wave Action Pool. Future improvements are planned for the renovation of Wally's Cove splash area and the addition of new interactive water equipment with related mechanical, plumbing, perimeter fencing, shade canopies, and site furnishings.						2004 Bond Fund \$ 1,955,000			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						TOTAL FUNDED \$ 1,955,000			
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____		Increased costs to the Operating Budget will be estimated during preliminary design and will include maintenance related to the addition of new water feature, including mechanical, pumping, and circulation equipment and motors; pool chemicals; and shade structures.						UNFUNDED \$			
PROJECT TOTAL								\$ 1,955,000			
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Design	84				200			284			
Land/Right-of-Way											
Construction	667				1,004			1,671			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	751				1,204			1,955			
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	PROJECT SCHEDULE	START	FINISH
Current Funds									Design		
GO's/Com Paper Issued	751							751	Land/Right-of-Way		
GO's Unissued					1,204			1,204	Construction		
RB's/Com Paper									Finish Out		
Certificates of Obligation									Other		
Other											
Unfunded											
TOTAL SOURCES	751				1,204			1,955	TOTAL SCHEDULE	(Ongoing	Project)

DEPARTMENT PARKS & RECREATION	PROJECT TITLE GALE FIELDS RECREATION CENTER EXPANSION	PROJECT NO(S) 18327	ACCOUNT NO(S) 614-2499-1832704
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PROJECT DESCRIPTION
Building expansion will facilitate space for additional active recreational programming.

FUNDING SOURCE(S)	
2004 Bond Fund	\$ 1,000,000
TOTAL FUNDED	
	\$ 1,000,000
UNFUNDED	
	\$
PROJECT TOTAL	
	\$ 1,000,000

IMPACT ON OPERATING BUDGET	IMPACT EXPLANATION
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations 2,100 Capital Total <u>\$2,100</u>	Impacts the Operating Budget by an additional \$2,100 per year for maintenance of added square footage including HVAC, lighting, interior finishes, flooring, recreational equipment, and monitoring and maintenance of fire alarm system.



*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Design						60	100	160
Land/Right-of-Way								
Construction							840	840
Landscaping								
Equip. & Furnish.								
Other								
TOTAL COSTS						60	940	1,000
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Current Funds								
GO's/Com Paper Issued								
GO's Unissued						60	940	1,000
RB's/Com Paper								
Certificates of Obligation								
Other								
Unfunded								
TOTAL SOURCES						60	940	1,000

PROJECT SCHEDULE	START	FINISH
Design	4/2021	6/2022
Land/Right-of-Way		
Construction	8/2022	6/2023
Finish Out		
Other		
TOTAL SCHEDULE	4/2021	6/2023

PAGE NO: P08		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 1			
CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				PROJECT NO(S). 18330		ACCOUNT NO(S). 614-2499-1833004					
DEPARTMENT PARKS & RECREATION		PROJECT TITLE SKATING/SKATEBOARD FACILITY						FUNDING SOURCE(S)			
PROJECT DESCRIPTION		This funding provides for design and construction of Garland's first skate park. The park site analysis was performed for selection of the most suitable park site for these specialty park facilities which are proven to have a "regional" attraction for use. The park site analysis resulted in the selection of Tuckerville Park as the most suitable location with an appropriate acreage of developable area located outside of the floodplain and with its central location related to citywide access.						2004 Bond Fund \$ 500,000			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						TOTAL FUNDED \$ 500,000			
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations 2,500 # of Positions _____ Capital Total \$2,500		The Skating/Skateboard facility will impact the Operating Budget by approximately \$2,500 per year. This project will require funding for additional turf and trim maintenance, litter pickup, facility repairs, and site furnishings.						UNFUNDED \$ 650,000			
PROJECT TOTAL								TOTAL \$ 1,150,000			
STRIP MAP											
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Design	1	68						69			
Land/Right-of-Way											
Construction		321	610	150				1,081			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	1	389	610	150				1,150			
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	PROJECT SCHEDULE	START	FINISH
Current Funds									Design	12/2015	11/2017
GO's/Com Paper Issued	69							69	Land/Right-of-Way		
GO's Unissued		321	110					431	Construction	12/2017	2/2019
RB's/Com Paper									Finish Out		
Certificates of Obligation									Other		
Other											
Unfunded			500	150				650			
TOTAL SOURCES	69	321	610	150				1,150	TOTAL SCHEDULE	12/2015	2/2019

PAGE NO: P12		<i>Unfunded Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 4		
DEPARTMENT PARKS & RECREATION		PROJECT TITLE GATEWOOD PICNIC PAVILION				PROJECT NO(S) 18335		ACCOUNT NO(S) 614-2499-1833504		
PROJECT DESCRIPTION		PROJECT NO(S)				FUNDING SOURCE(S)				
Pavilion improvements, addition of permanent restroom facility and group grill, and ADA accessibility improvements from parking lot.		2004 Bond Fund		\$		425,000				
		TOTAL FUNDED		\$		425,000				
		UNFUNDED		\$						
		PROJECT TOTAL		\$		425,000				
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION								
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations 2,200 Capital Total \$2,200		The Operating Budget will be impacted by approximately \$2,200 for new restrooms and facility improvement maintenance.								
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Design				50				50		
Land/Right-of-Way										
Construction					375			375		
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS				50	375			425		
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued				50	375			425		
RB's/Com Paper										
Certificates of Obligation										
Other										
Unfunded										
TOTAL SOURCES				50	375			425		
		PROJECT SCHEDULE		START	FINISH					
		Design		2/2019	9/2019					
		Land/Right-of-Way								
		Construction		2/2020	12/2020					
		Finish Out								
		Other								
		TOTAL SCHEDULE		2/2019	12/2020					

PAGE NO: P13		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) 3
DEPARTMENT PARKS & RECREATION		PROJECT TITLE WINDSURF BAY PARK				PROJECT NO(S) 18337		ACCOUNT NO(S) 614-2499-1833704	
PROJECT DESCRIPTION This funding provides design and initial construction for areas of shoreline erosion control and parking paving improvements within Windsurf Bay Park. The design phase includes additional conceptual planning for both vehicular and non-vehicular circulation within the park, additional parking, shoreline improvements, and a future permanent restroom. Also, staff are coordinating the park's future access with TxDOT and NTTA as design continues for the south extension of the PGBT, located outside of the park's west boundary.						FUNDING SOURCE(S) 2004 Bond Fund \$ 700,000			
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations 700 # of Positions _____ Capital _____ Total \$700		IMPACT EXPLANATION Improvements are anticipated impacting the 2019-20 Operating Budget in larger areas of increased levels of turf maintenance. A more accurate estimate will be determined for additional facility maintenance upon completion of the design development phase.				TOTAL FUNDED \$ 700,000 UNFUNDED \$ PROJECT TOTAL \$ 700,000			
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Design			100						100
Land/Right-of-Way									
Construction			50	350	200				600
Landscaping									
Equip. & Furnish.									
Other									
TOTAL COSTS			150	350	200				700
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Current Funds									
GO's/Com Paper Issued		700							700
GO's Unissued									
RB's/Com Paper									
Certificates of Obligation									
Other									
Unfunded									
TOTAL SOURCES		700							700
						STRIP MAP			
						Windsurf Bay Park Improvements			
						PROJECT SCHEDULE		START	FINISH
						Design		4/2017	12/2017
						Land/Right-of-Way			
						Construction		11/2017	6/2019
						Finish Out			
						Other			
						TOTAL SCHEDULE		4/2017	6/2019

PAGE NO: P17		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 1					
DEPARTMENT PARKS & RECREATION		PROJECT TITLE DOG PARK				PROJECT NO(S). 18347		ACCOUNT NO(S). 692-2499-1834714					
PROJECT DESCRIPTION		PROJECT NO(S).				ACCOUNT NO(S).							
This project provides funding for the design and construction of a dog park at the currently undeveloped Tuckerville Park at 1801 S.H. 66.		PROJECT NO(S). 18347		ACCOUNT NO(S). 692-2499-1834714		FUNDING SOURCE(S)							
		Certificates of Oblig. Issued		\$ 350,000		2017 Certificates of Oblig.				5,000			
		TOTAL FUNDED		\$ 355,000		UNFUNDED		\$ 761,000		PROJECT TOTAL		\$ 1,116,000	
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				STRIP MAP							
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions Operations Capital Total		Impacts to the 2018-19 Operating Budget will be determined upon completion of the design development phase and include maintenance and repair of the following: Class A mowing of an area not yet maintained to that level, automatic turf irrigation, multiple drinking fountains, edging/trimming along walks and fencing, and litter pickup.											
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Design	25	80	15					120					
Land/Right-of-Way													
Construction		250	600	146				996					
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS	25	330	615	146				1,116					
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation	350	5						355					
Other													
Unfunded			615	146				761					
TOTAL SOURCES	350	5	615	146				1,116					
		PROJECT SCHEDULE		START		FINISH							
		Design		6/2014		6/2018							
		Land/Right-of-Way											
		Construction		11/2017		2/2019							
		Finish Out											
		Other											
		TOTAL SCHEDULE		6/2014		2/2019							

PAGE NO: P19		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) 4,8				
DEPARTMENT PARKS & RECREATION				PROJECT TITLE FENCING - AUDUBON/WINTERS SOCCER COMPLEX					PROJECT NO(S). 18350		ACCOUNT NO(S). 692-2499-1835000		
PROJECT DESCRIPTION													
Project provides funding for perimeter fencing at the soccer complex boundaries to minimize foul balls entering the adjacent roadways. The project replaces some of the existing fencing at Winters Complex and installs new fencing at Audubon Complex along Trails Parkway, Frontier Drive, and parking lot.													
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION There should be a positive impact at Winters Park with replacement of existing fencing, but added future maintenance will be needed for fencing at the Audubon location.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 140,000 TOTAL FUNDED \$ 140,000 UNFUNDED \$ PROJECT TOTAL \$ 140,000	
STRIP MAP													
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Design													
Land/Right-of-Way													
Construction		20	120						140				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		20	120						140				
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation		140							140				
Other													
Unfunded													
TOTAL SOURCES		140							140				
									PROJECT SCHEDULE	START	FINISH		
									Design				
									Land/Right-of-Way				
									Construction	5/2016	12/2017		
									Finish Out				
									Other				
TOTAL SCHEDULE									5/2016	12/2017			

STREET/TRANSPORTATION DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
Engineering											
14176	New Sidewalks	ST01	GOB04/CF	\$2,225	\$350	\$350	\$350	\$300	\$0	\$0	\$3,575
14200	Street and Alley Petition	ST02	GOB04	18	125	325	325	325	325	357	1,800
14202	Sidewalk / Curb & Gutter Participation	ST03	GOB04/Other	2,650	250	250	250	250	195	0	3,845
14255	Fifth St. - Miller to Ave. D - Phase B - Drainage	ST04	GOB04	3,671	0	0	0	0	0	1,489	5,160
14261	Oates Road - Broadway to Rosehill	ST05	GOB04	293	1,050	3,681	0	0	0	0	5,024
14264	Callejo Road - Botello to Campbell	ST06	GOB04/UNF	0	0	0	0	300	0	6,100	6,400
14265	Chaha Road - I.H. 30 to Zion	ST07	GOB04	0	0	0	0	0	0	1,000	1,000
14266	Chaha Rd. - I.H. 30 to Lake Ray Hubbard Pkwy.	ST08	GOB04	778	0	0	0	0	0	2,422	3,200
14272	Bobtown Road - Rowlett to Waterhouse	ST09	GOB04	374	290	4,516	20	0	0	0	5,200
14273	Brand Road - S.H. 190 to Muirfield	ST10	GOB04	100	400	7,100	1,000	0	0	0	8,600
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	GOB04/Other	1,696	2,010	6,010	2,224	0	0	0	11,940
14292	Pleasant Valley Road Bridge	ST12	CO/Other/UNF	13,562	10,100	4,305	0	0	0	0	27,967
14300	Fifth Street - Miller to Kingsley	ST13	GOB97	193	1,647	0	0	0	0	0	1,840
14301	Screen Wall Reconstruction	ST14	CO/UNF	9	100	100	100	41	0	0	350
14302	Naaman School/Brand/Campbell Alignment	ST15	CO/CF/Other/UNF	557	250	400	443	0	0	0	1,650
14303	Waterhouse - Bobtown to Hayman	ST16	CF	230	0	1,255	15	0	0	0	1,500
14305	Holford Road - PGBT to Campbell - Alignment	ST17	CO	50	250	0	0	0	0	0	300
14306	Holford Road - Arapaho to PGBT - Alignment	ST18	CO	50	375	0	0	0	0	0	425
14308	Bobtown Road - Kelso to Barnes Bridge	ST19	CO	0	300	0	0	0	0	0	300
14309	* Oates Rd. - Channel Isle to Emerald Lakes #3	ST20	CO	0	812	0	0	0	0	0	812
14310	* Holford Rd. - Arapaho to PGBT - Construction	ST21	CO/UNF	0	300	1,380	1,830	0	0	0	3,510
Transportation											
15640	Operational and Safety Improvements	ST22	GOB04/INT	515	801	200	150	135	116	0	1,917
15219	Miscellaneous Equipment and Services	ST23	Other	2	54	0	0	0	0	0	56
15600	New Traffic Signal Installations	ST24	GOB04/Other	549	279	300	300	300	300	188	2,216
15544	LED Replacement Program	ST25	CF	389	211	0	0	0	0	0	600
15530	Traffic Control System	ST26	GOB04/Other	1,279	203	250	250	475	500	2,143	5,100
15547	Emergency Services Signal Equipment	ST27	GOB04/INT	57	43	125	100	100	125	0	550
15578	Railroad Crossing Improvements	ST28	GOB97/04	0	197	150	150	100	100	500	1,197
15596	North-South Bikeway	ST29	GOB97/Other	273	717	1,560	0	0	0	0	2,550
15620	Signal Equipment Modernizations	ST30	GOB04/Other	1,891	124	250	250	250	250	200	3,215
15751	Train Quiet Zone	ST31	GOB04	317	108	0	0	0	0	1,675	2,100
14304	LBJ Sound Wall Aesthetics	ST32	CO	9	91	0	0	0	0	0	100
14307	Transit Pass - Bottleneck Improvements	ST33	Other	0	500	1,352	1,351	0	0	0	3,203

*Project funded for the first time

STREET/TRANSPORTATION DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
<u>Street</u>											
39818	Street Reconstruction and Improvements	ST34	CO/UNF	5,440	5,028	7,555	8,445	9,400	8,869	0	44,737
39829	* Nash Street - Brookside to Garwood	ST35	CDBG	0	228	0	0	0	0	0	228
39830	* Vista Drive - Cumberland to Dairy	ST36	CDBG	0	354	0	0	0	0	0	354
39831	* Rolando Drive - Delano to Miller	ST37	CDBG	0	111	0	0	0	0	0	111
	Undesignated - Street/Transportation		GOB97	0	0	0	0	0	0	660	660
	Undesignated - Street/Transportation		GOB04	0	0	0	0	0	0	22,210	22,210
	Total			<u>\$37,177</u>	<u>\$27,658</u>	<u>\$41,414</u>	<u>\$17,553</u>	<u>\$11,976</u>	<u>\$10,780</u>	<u>\$38,944</u>	<u>\$185,502</u>
	Total Existing CO's/CF/Other			\$21,822	\$14,958	\$11,993	\$1,559	\$0	\$0	\$0	\$50,332
	2017 Certificate of Obligation			0	4,791	0	0	0	0	0	4,791
	Total Unfunded			0	0	10,494	10,625	9,441	8,869	400	39,829
	Total 1997 Bond Program			466	2,081	0	0	0	0	660	3,207
	Total 2004 Bond Program			14,889	5,828	18,927	5,369	2,535	1,911	37,884	87,343
	Total			<u>\$37,177</u>	<u>\$27,658</u>	<u>\$41,414</u>	<u>\$17,553</u>	<u>\$11,976</u>	<u>\$10,780</u>	<u>\$38,944</u>	<u>\$185,502</u>

*Project funded for the first time

STREET/TRANSPORTATION DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
Engineering										
14176	New Sidewalks	ST01	Appr.	\$50	\$350	\$350	\$300	\$0	\$0	\$1,050
14200	Street and Alley Petition	ST02	Appr.	0	125	325	325	325	357	1,457
14202	Sidewalk / Curb & Gutter Participation	ST03	Appr.	36	250	250	250	195	0	981
14255	Fifth St. - Miller to Ave. D - Phase B - Drainage	ST04	Appr.	0	0	0	0	0	1,489	1,489
14261	Oates Road - Broadway to Rosehill	ST05	Appr.	0	3,490	0	0	0	0	3,490
14264	Callejo Road - Botello to Campbell	ST06	Appr.	0	0	0	300	0	6,100	6,400
14265	Chaha Road - I.H. 30 to Zion	ST07	Appr.	0	0	0	0	0	1,000	1,000
14266	Chaha Rd. - I.H. 30 to Lake Ray Hubbard Pkwy.	ST08	Appr.	0	0	0	0	0	2,422	2,422
14272	Bobtown Road - Rowlett to Waterhouse	ST09	Appr.	0	4,430	20	0	0	0	4,450
14273	Brand Road - S.H. 190 to Muirfield	ST10	Appr.	0	6,050	1,000	0	0	0	7,050
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	Appr.	0	0	1,160	0	0	0	1,160
14292	Pleasant Valley Road Bridge	ST12	Appr.	0	1,500	0	0	0	0	1,500
14300	Fifth Street - Miller to Kingsley	ST13	Appr.	844	0	0	0	0	0	844
14301	Screen Wall Reconstruction	ST14	Appr.	0	59	100	41	0	0	200
14302	Naaman School/Brand/Campbell Alignment	ST15	Appr.	0	0	250	0	0	0	250
14309	* Oates Rd. - Channel Isle to Emerald Lakes #3	ST20	Appr.	812	0	0	0	0	0	812
14310	* Holford Rd. - Arapaho to PGBT - Construction	ST21	Appr.	300	1,380	1,830	0	0	0	3,510
Transportation										
15640	Operational and Safety Improvements	ST22	Appr.	0	89	150	135	116	0	490
15600	New Traffic Signal Installations	ST24	Appr.	0	300	300	300	300	188	1,388
15530	Traffic Control System	ST26	Appr.	0	138	250	475	500	2,143	3,506
15547	Emergency Services Signal Equipment	ST27	Appr.	0	125	100	100	125	0	450
15578	Railroad Crossing Improvements	ST28	Appr.	0	50	150	100	100	500	900
15620	Signal Equipment Modernizations	ST30	Appr.	100	250	250	250	250	200	1,300
15751	Train Quiet Zone	ST31	Appr.	0	0	0	0	0	1,675	1,675
Street										
39818	Street Reconstruction and Improvements	ST34	Appr.	3,679	7,555	8,445	9,400	8,869	0	37,948
	Undesignated - Street/Transportation		Appr.	0	0	0	0	0	22,870	22,870
	Total			<u>\$5,821</u>	<u>\$26,141</u>	<u>\$14,930</u>	<u>\$11,976</u>	<u>\$10,780</u>	<u>\$38,944</u>	<u>\$108,592</u>
	Total Approved			\$5,821	\$26,141	\$14,930	\$11,976	\$10,780	\$38,944	\$108,592
	Total Unapproved			0	0	0	0	0	0	0
	Total			<u>\$5,821</u>	<u>\$26,141</u>	<u>\$14,930</u>	<u>\$11,976</u>	<u>\$10,780</u>	<u>\$38,944</u>	<u>\$108,592</u>

*Projects funded for the first time

DEPARTMENT ENGINEERING	PROJECT TITLE FIFTH ST. - MILLER TO AVE. D - PH. B - DRAINAGE	PROJECT NO(S) 14255	ACCOUNT NO(S) 624-1409-1425504
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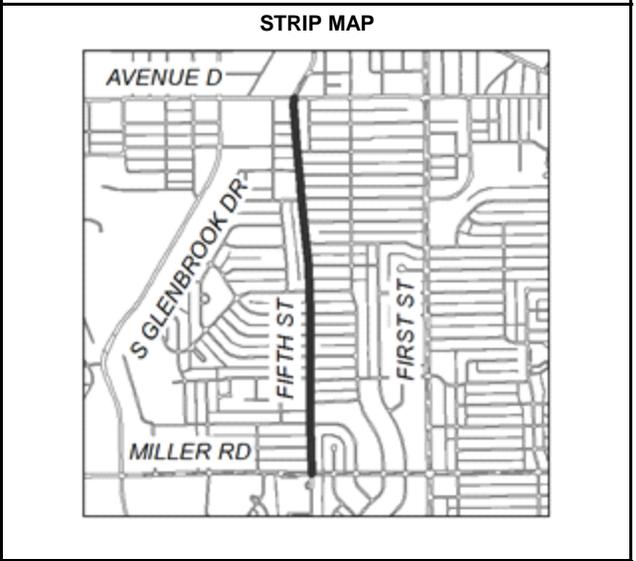
PROJECT DESCRIPTION
Funding is provided for design, land acquisition, permitting, offsite drainage system, and construction cost related to reconstruction of a Type "E" thoroughfare. All work with the exception of an offsite drainage system has been completed.

FUNDING SOURCE(S)	
2004 Bond Fund	\$ 5,160,000
TOTAL FUNDED	
	\$ 5,160,000
UNFUNDED	
	\$
PROJECT TOTAL	
	\$ 5,160,000

IMPACT ON OPERATING BUDGET	IMPACT EXPLANATION
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions Capital Total	

*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Design	699						200	899
Land/Right-of-Way	34							34
Construction	2,938						1,289	4,227
Landscaping								
Equip. & Furnish.								
Other								
TOTAL COSTS	3,671						1,489	5,160

*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Current Funds								
GO's/Com Paper Issued	3,671							3,671
GO's Unissued							1,489	1,489
RB's/Com Paper								
Certificates of Obligation								
Other								
Unfunded								
TOTAL SOURCES	3,671						1,489	5,160



PROJECT SCHEDULE	START	FINISH
Design	9/2007	12/2022
Land/Right-of-Way	6/2007	1/2016
Construction	1/2007	12/2022
Finish Out		
Other		
TOTAL SCHEDULE	1/2007	12/2022

PAGE NO: ST07		<i>Unfunded Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 3		
CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				PROJECT NO(S). 14265		ACCOUNT NO(S). 624-1409-1426504				
DEPARTMENT ENGINEERING		PROJECT TITLE CHAHA ROAD - I.H. 30 TO ZION						PROJECT DESCRIPTION		
		Funding is provided for the design, land acquisition, permitting, and construction costs related to the construction of a Type "F" thoroughfare.						FUNDING SOURCE(S) 2004 Bond Fund \$ 1,000,000		
								TOTAL FUNDED \$ 1,000,000		
								UNFUNDED \$		
								PROJECT TOTAL \$ 1,000,000		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION								
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____										
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Design							200	200		
Land/Right-of-Way							100	100		
Construction							700	700		
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS							1,000	1,000		
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued							1,000	1,000		
RB's/Com Paper										
Certificates of Obligation										
Other										
Unfunded										
TOTAL SOURCES							1,000	1,000		
								STRIP MAP		
								PROJECT SCHEDULE	START	FINISH
								Design	1/2023	12/2023
								Land/Right-of-Way	1/2023	12/2023
								Construction	1/2024	12/2024
								Finish Out		
								Other		
								TOTAL SCHEDULE	1/2023	12/2024

PAGE NO: ST10		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 1	
DEPARTMENT ENGINEERING		PROJECT TITLE BRAND ROAD - S.H. 190 TO MUIRFIELD				PROJECT NO(S). 14273		ACCOUNT NO(S). 624-1409-1427304	
PROJECT DESCRIPTION		FUNDING SOURCE(S)				TOTAL FUNDED		\$ 8,600,000	
Funding is provided for the design, land acquisition, permitting, and construction costs related to the reconstruction of a four-lane divided Type "C" thoroughfare.		2004 Bond Fund						\$ 8,600,000	
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				UNFUNDED		\$	
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____						PROJECT TOTAL		\$ 8,600,000	
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	<p align="center">STRIP MAP</p>
Design	100	300	200					600	
Land/Right-of-Way		100						100	
Construction			6,900	1,000				7,900	
Landscaping									
Equip. & Furnish.									
Other									
TOTAL COSTS	100	400	7,100	1,000				8,600	
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	
Current Funds									
GO's/Com Paper Issued	1,550							1,550	
GO's Unissued			6,050	1,000				7,050	
RB's/Com Paper									
Certificates of Obligation									
Other									
Unfunded									
TOTAL SOURCES	1,550		6,050	1,000				8,600	
		PROJECT SCHEDULE	START	FINISH					
		Design	1/2016	1/2018					
		Land/Right-of-Way	1/2017	6/2017					
		Construction	12/2018	12/2019					
		Finish Out							
		Other							
		TOTAL SCHEDULE	1/2016	12/2019					

PAGE NO: ST14	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All				
DEPARTMENT ENGINEERING		PROJECT TITLE SCREEN WALL RECONSTRUCTION						PROJECT NO(S). 14301		ACCOUNT NO(S). 692-1409-1430114			
PROJECT DESCRIPTION This program provides funding for the repair and reconstruction of City-owned screening walls.											FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 150,000		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION									TOTAL FUNDED \$ 150,000		
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____											UNFUNDED \$ 200,000		
											PROJECT TOTAL \$ 350,000		
STRIP MAP													
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Design													
Land/Right-of-Way													
Construction	9	100	100	100	41			350					
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS	9	100	100	100	41			350					
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation	150							150					
Other													
Unfunded			59	100	41			200					
TOTAL SOURCES	150		59	100	41			350					
								PROJECT SCHEDULE	START	FINISH			
								Design					
								Land/Right-of-Way					
								Construction					
								Finish Out					
								Other					
TOTAL SCHEDULE								(Ongoing		Project)			

PAGE NO: ST18		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 1		
DEPARTMENT ENGINEERING		PROJECT TITLE HOLFORD ROAD - ARAPAHO TO PGBT - ALIGNMENT				PROJECT NO(S) 14306		ACCOUNT NO(S) 692-1409-1430600		
PROJECT DESCRIPTION		FUNDING SOURCE(S)				TOTAL FUNDED		\$ 425,000		
Funding will provide for the development of a schematic roadway alignment for Holford Road from Arapaho Road to PGBT.		2016 Certificates of Oblig.				\$		425,000		
TOTAL FUNDED						\$		425,000		
UNFUNDED						\$				
PROJECT TOTAL						\$		425,000		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION								
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____										
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Design	50	375						425		
Land/Right-of-Way										
Construction										
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS	50	375						425		
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation	425							425		
Other										
Unfunded										
TOTAL SOURCES	425							425		
								PROJECT SCHEDULE	START	FINISH
								Design	1/2016	12/2017
								Land/Right-of-Way		
								Construction		
								Finish Out		
								Other		
								TOTAL SCHEDULE	1/2016	12/2017

STRIP MAP



PAGE NO: ST22	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All				
DEPARTMENT TRANSPORTATION		PROJECT TITLE OPERATIONAL AND SAFETY IMPROVEMENTS						PROJECT NO(S). 15640	ACCOUNT NO(S). 624-1799-1564004 623-1799-1564004				
PROJECT DESCRIPTION													
This ongoing project provides various improvements such as removing substandard medians, increasing curb radii to facilitate turning movements, constructing left-turn lanes at median openings, installing roadside barriers, realigning offset intersections, etc.													
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION											
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____													
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Design	202	100						302					
Land/Right-of-Way													
Construction	312	701	200	150	135	116		1,614					
Landscaping													
Equip. & Furnish.	1							1					
Other													
TOTAL COSTS	515	801	200	150	135	116		1,917					
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Current Funds													
GO's/Com Paper Issued	977							977					
GO's Unissued			89	150	135	116		490					
RB's/Com Paper													
Certificates of Obligation													
Other (Interest)	450							450					
Unfunded													
TOTAL SOURCES	1,427		89	150	135	116		1,917					
											STRIP MAP		
											PROJECT SCHEDULE	START	FINISH
											Design		
											Land/Right-of-Way		
											Construction		
											Finish Out		
											Other		
											TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: ST24	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All				
DEPARTMENT TRANSPORTATION		PROJECT TITLE NEW TRAFFIC SIGNAL INSTALLATIONS						PROJECT NO(S) 15600 15602		ACCOUNT NO(S) 624-1799-1560004 624-1799-1560204			
PROJECT DESCRIPTION													
<p>This project provides for the study, design, equipment acquisition, and installation of new traffic signals, which are warranted by increases in traffic volumes, changes in traffic patterns, or other factors. The installation of school speed zone beacons is also included in this project.</p> <p>Current funding will cover the costs to complete the installation of one new traffic signal if the need arises.</p>											FUNDING SOURCE(S) 2004 Bond Fund \$ 2,160,000 Reimbursement 55,938 TOTAL FUNDED \$ 2,215,938 UNFUNDED \$ PROJECT TOTAL \$ 2,215,938		
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION									
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				The installation of additional traffic signals will increase maintenance and electric consumption costs.									
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Design	139	25	25	25	25	25	25	289					
Land/Right-of-Way													
Construction	240	154	225	225	225	225	113	1,407					
Landscaping													
Equip. & Furnish.	170	100	50	50	50	50	50	520					
Other													
TOTAL COSTS	549	279	300	300	300	300	188	2,216					
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Current Funds													
GO's/Com Paper Issued	772							772					
GO's Unissued			300	300	300	300	188	1,388					
RB's/Com Paper													
Certificates of Obligation													
Other (Reimbursements)	56							56					
Unfunded													
TOTAL SOURCES	828		300	300	300	300	188	2,216					
								STRIP MAP					
								PROJECT SCHEDULE	START	FINISH			
								Design					
								Land/Right-of-Way					
								Construction					
								Finish Out					
								Other					
								TOTAL SCHEDULE	(Ongoing	Project)			

PAGE NO: ST26	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All					
DEPARTMENT TRANSPORTATION		PROJECT TITLE TRAFFIC CONTROL SYSTEM						PROJECT NO(S) 15530 15483		ACCOUNT NO(S) 624-1799-1553000 623-1799-1548315				
PROJECT DESCRIPTION														
<p>This is an ongoing project that provides for design, acquisition of various traffic control equipment, and construction efforts for the traffic signal system and school flashers. This includes various types of communication equipment to monitor the 193 traffic signals in the city.</p>														
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____						IMPACT EXPLANATION The installation of new equipment will reduce emergency maintenance requirements.						FUNDING SOURCE(S) 2004 Bond Fund \$ 5,000,000 DART LAP/CMS 100,000 TOTAL FUNDED \$ 5,100,000 UNFUNDED \$ PROJECT TOTAL \$ 5,100,000		
STRIP MAP														
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total						
Design	105							105						
Land/Right-of-Way														
Construction	450	10						460						
Landscaping														
Equip. & Furnish.	724	193	250	250	475	500	2,143	4,535						
Other														
TOTAL COSTS	1,279	203	250	250	475	500	2,143	5,100						
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total						
Current Funds														
GO's/Com Paper Issued	1,494							1,494						
GO's Unissued			138	250	475	500	2,143	3,506						
RB's/Com Paper														
Certificates of Obligation														
Other (DART)	100							100						
Unfunded														
TOTAL SOURCES	1,594		138	250	475	500	2,143	5,100						
								PROJECT SCHEDULE	START	FINISH				
								Design						
								Land/Right-of-Way						
								Construction						
								Finish Out						
								Other						
TOTAL SCHEDULE								(Ongoing	Project)					

PAGE NO: ST27	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All			
DEPARTMENT TRANSPORTATION		PROJECT TITLE EMERGENCY SERVICES SIGNAL EQUIPMENT						PROJECT NO(S). 15547	ACCOUNT NO(S). 624-1799-1554700 623-1799-1554700			
PROJECT DESCRIPTION										FUNDING SOURCE(S)		
This project includes the installation or upgrade of equipment at various signals to provide for priority control to permit the safe passage of Fire Department emergency vehicles. This project is coordinated with the Signal System, Modernization, and Installation projects.										2004 Bond Fund	\$	500,000
										Interest		50,000
										TOTAL FUNDED	\$	550,000
										UNFUNDED	\$	
										PROJECT TOTAL	\$	550,000
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION							STRIP MAP		
<input type="checkbox"/> Will Impact <input checked="" type="checkbox"/> Will Not Impact # of Positions _____	Annual Cost/(Savings): Personnel _____ Operations _____ Capital _____ Total _____		The installation of equipment at additional locations will require increased preventive and routine maintenance efforts. The upgrade of equipment at existing locations should result in decreased routine maintenance at those locations.									
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Design												
Land/Right-of-Way												
Construction	7	5						12				
Landscaping												
Equip. & Furnish.	50	38	125	100	100	125		538				
Other												
TOTAL COSTS	57	43	125	100	100	125		550				
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds												
GO's/Com Paper Issued	50							50	Design			
GO's Unissued			125	100	100	125		450	Land/Right-of-Way			
RB's/Com Paper									Construction			
Certificates of Obligation									Finish Out			
Other (Interest)	50							50	Other			
Unfunded												
TOTAL SOURCES	100		125	100	100	125		550	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: ST30		<i>Continuing Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) All		
DEPARTMENT TRANSPORTATION		PROJECT TITLE SIGNAL EQUIPMENT MODERNIZATIONS						PROJECT NO(S). 15620		ACCOUNT NO(S). 624-1799-1562000		
PROJECT DESCRIPTION		This project provides various traffic signal improvements such as replacing obsolete control equipment, upgrading left-turn displays, upgrading school zone beacons and equipment, replacing aged and damaged signal cables, and removing median-mounted left-turn poles. This project is coordinated with the Traffic Control System projects.						FUNDING SOURCE(S)				
								2004 Bond Fund		\$ 3,100,000		
								Reimbursement		114,588		
								TOTAL FUNDED		\$ 3,214,588		
								UNFUNDED		\$		
								PROJECT TOTAL		\$ 3,214,588		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						STRIP MAP				
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____		Emergency and routine maintenance requirements should decrease where new equipment is installed.										
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Design	25							25				
Land/Right-of-Way												
Construction	1,091	24	150	150	150	150	49	1,764				
Landscaping												
Equip. & Furnish.	775	100	100	100	100	100	151	1,426				
Other												
TOTAL COSTS	1,891	124	250	250	250	250	200	3,215				
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds												
GO's/Com Paper Issued	1,800							1,800	Design			
GO's Unissued		100	250	250	250	250	200	1,300	Land/Right-of-Way			
RB's/Com Paper									Construction			
Certificates of Obligation									Finish Out			
Other (Reimbursements)	115							115	Other			
Unfunded												
TOTAL SOURCES	1,915	100	250	250	250	250	200	3,215	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: ST31	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All							
DEPARTMENT TRANSPORTATION		PROJECT TITLE TRAIN QUIET ZONE						PROJECT NO(S). 15751	ACCOUNT NO(S). 624-1799-1575104							
PROJECT DESCRIPTION																
This project is for study, design, and implementation of train quiet zones. Construction requirements consist of barriers, signing, and markings at all railroad crossings included in the quiet zone.																
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____											IMPACT EXPLANATION This will involve new equipment that will be necessary to maintain.					
<table border="0" style="width:100%"> <tr> <td style="text-align:right">TOTAL FUNDED</td> <td style="text-align:right">\$ 2,100,000</td> </tr> <tr> <td style="text-align:right">UNFUNDED</td> <td style="text-align:right">\$</td> </tr> <tr> <td style="text-align:right">PROJECT TOTAL</td> <td style="text-align:right">\$ 2,100,000</td> </tr> </table>											TOTAL FUNDED	\$ 2,100,000	UNFUNDED	\$	PROJECT TOTAL	\$ 2,100,000
TOTAL FUNDED	\$ 2,100,000															
UNFUNDED	\$															
PROJECT TOTAL	\$ 2,100,000															
STRIP MAP																
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total								
Design	87							87								
Land/Right-of-Way																
Construction	230	108					1,675	2,013								
Landscaping																
Equip. & Furnish.																
Other																
TOTAL COSTS	317	108					1,675	2,100								
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total								
Current Funds																
GO's/Com Paper Issued	425							425								
GO's Unissued							1,675	1,675								
RB's/Com Paper																
Certificates of Obligation																
Other																
Unfunded																
TOTAL SOURCES	425						1,675	2,100								
								PROJECT SCHEDULE	START	FINISH						
								Design								
								Land/Right-of-Way								
								Construction								
								Finish Out								
								Other								
								TOTAL SCHEDULE	(Ongoing	Project)						

PAGE NO: ST33		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 6, 8		
DEPARTMENT TRANSPORTATION		PROJECT TITLE TRANSIT PASS - BOTTLENECK IMPROVEMENTS				PROJECT NO(S) 14307		ACCOUNT NO(S) 623-1799-1430700		
PROJECT DESCRIPTION		FUNDING SOURCE(S)				TOTAL FUNDED		\$ 3,202,833		
<p>This project will provide bottleneck improvements to major intersections on Forest Lane from Shiloh to Plano Road and on Plano Road from Forest Lane to Buckingham Road. These improvements have been planned by DART over several years and will be constructed by the City using DART funding.</p>		<p>DART Participation</p>						\$ 3,202,833		
<p>IMPACT ON OPERATING BUDGET</p> <p><input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____</p>		<p>IMPACT EXPLANATION</p> <p>Additional pavement at intersections will need long-term maintenance.</p>				<p>UNFUNDED</p>		\$		
						<p>PROJECT TOTAL</p>		\$ 3,202,833		
STRIP MAP										
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Design		500						500		
Land/Right-of-Way										
Construction			1,352	1,351				2,703		
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS		500	1,352	1,351				3,203		
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation										
Other (DART)		500	1,352	1,351				3,203		
Unfunded										
TOTAL SOURCES		500	1,352	1,351				3,203		
								PROJECT SCHEDULE	START	FINISH
								Design	6/2016	12/2016
								Land/Right-of-Way		
								Construction	6/2017	12/2019
								Finish Out		
								Other		
								TOTAL SCHEDULE	6/2016	12/2019

PAGE NO: ST36	<i>New Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 2	
DEPARTMENT STREET		PROJECT TITLE VISTA DRIVE - CUMBERLAND TO DAIRY						PROJECT NO(S). 39830	ACCOUNT NO(S). 825-8378-3983017	
PROJECT DESCRIPTION CDBG-funded street reconstruction.								FUNDING SOURCE(S) CDBG Funds \$ 354,000		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION								
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____										
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	
Design										
Land/Right-of-Way										
Construction			354						354	
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS			354						354	
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation										
Other (CDBG)			354						354	
Unfunded										
TOTAL SOURCES			354						354	
								STRIP MAP		
								PROJECT SCHEDULE	START	FINISH
								Design		
								Land/Right-of-Way		
								Construction	1/2017	9/2017
								Finish Out		
								Other		
								TOTAL SCHEDULE	1/2017	9/2017

DRAINAGE DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
14230	Miscellaneous Flooding	D01	GOB04	\$3,472	\$350	\$120	\$0	\$0	\$0	\$0	\$3,942
14231	Petition Drainage	D02	GOB04/Other	1,481	300	490	301	0	0	0	2,572
14244	Classic and Yale	D03	GOB04/UNF	3,051	90	0	488	650	3,921	0	8,200
14245	Garland Heights / Freeman	D04	GOB04	0	0	0	350	1,350	2,500	0	4,200
14246	Parkmont Drive	D05	GOB04/UNF	455	2,560	3,035	0	0	0	0	6,050
14248	Bridge Remediation	D06	CF/CO/Other/UNF	1,350	2,400	379	0	0	0	0	4,129
14299	Downtown Drainage Improvements	D07	CF/Other	2,606	57	0	0	0	0	0	2,663
	Total			<u>\$12,415</u>	<u>\$5,757</u>	<u>\$4,024</u>	<u>\$1,139</u>	<u>\$2,000</u>	<u>\$6,421</u>	<u>\$0</u>	<u>\$31,756</u>
	Total Existing CO's/Current Funds			\$4,478	\$1,718	\$0	\$0	\$0	\$0	\$0	\$6,196
	Unfunded			0	0	2,379	0	0	2,200	0	4,579
	2017 Certificate of Obligation			0	739	0	0	0	0	0	739
	Total 2004 Bond Program			<u>7,937</u>	<u>3,300</u>	<u>1,645</u>	<u>1,139</u>	<u>2,000</u>	<u>4,221</u>	<u>0</u>	<u>20,242</u>
	Total			<u>\$12,415</u>	<u>\$5,757</u>	<u>\$4,024</u>	<u>\$1,139</u>	<u>\$2,000</u>	<u>\$6,421</u>	<u>\$0</u>	<u>\$31,756</u>

DRAINAGE DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
14231	Petition Drainage	D02	Appr.	\$0	\$0	\$162	\$0	\$0	\$0	\$162
14244	Classic and Yale	D03	Appr.	0	0	488	650	3,921	0	5,059
14245	Garland Heights / Freeman	D04	Appr.	0	0	350	1,350	2,500	0	4,200
14246	Parkmont Drive	D05	Appr.	1,515	3,035	0	0	0	0	4,550
14246	Bridge Remediation	D06	Appr.	739	379	0	0	0	0	1,118
	Total			<u>\$2,254</u>	<u>\$3,414</u>	<u>\$1,000</u>	<u>\$2,000</u>	<u>\$6,421</u>	<u>\$0</u>	<u>\$15,089</u>
	Total Approved			\$2,254	\$3,414	\$1,000	\$2,000	\$6,421	\$0	\$15,089
	Total Unapproved			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total			<u>\$2,254</u>	<u>\$3,414</u>	<u>\$1,000</u>	<u>\$2,000</u>	<u>\$6,421</u>	<u>\$0</u>	<u>\$15,089</u>

PAGE NO: D01		<i>Continuing Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) All																																																																																			
DEPARTMENT DRAINAGE			PROJECT TITLE MISCELLANEOUS FLOODING					PROJECT NO(S). 14230		ACCOUNT NO(S). 625-1409-1423004																																																																																			
PROJECT DESCRIPTION										FUNDING SOURCE(S)																																																																																			
Provides funds for the design and construction of miscellaneous projects at various locations around the city. The design and improvements will vary with respect to the nature of the problem and the proposed solution.										2004 Bond Fund		\$ 3,942,000																																																																																	
										TOTAL FUNDED		\$ 3,942,000		UNFUNDED		\$																																																																													
IMPACT ON OPERATING BUDGET										PROJECT TOTAL			\$ 3,942,000																																																																																
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____					IMPACT EXPLANATION					STRIP MAP																																																																																			
<table border="1"> <thead> <tr> <th>*PROJECT COSTS</th> <th>Thru 12-2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022 to Completion</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Design</td> <td>72</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>72</td> </tr> <tr> <td>Land/Right-of-Way</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td>3,400</td> <td>350</td> <td>120</td> <td></td> <td></td> <td></td> <td></td> <td>3,870</td> </tr> <tr> <td>Landscaping</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Equip. & Furnish.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL COSTS</td> <td>3,472</td> <td>350</td> <td>120</td> <td></td> <td></td> <td></td> <td></td> <td>3,942</td> </tr> </tbody> </table>															*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	Design	72							72	Land/Right-of-Way									Construction	3,400	350	120					3,870	Landscaping									Equip. & Furnish.									Other									TOTAL COSTS	3,472	350	120					3,942							
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																																																																																					
Design	72							72																																																																																					
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TOTAL COSTS	3,472	350	120					3,942																																																																																					
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*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																																																																																					
Current Funds																																																																																													
GO's/Com Paper Issued	3,942							3,942																																																																																					
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										Construction																																																																																			
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										Other																																																																																			
										TOTAL SCHEDULE																																																																																			

PAGE NO: D04	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 8	
DEPARTMENT DRAINAGE		PROJECT TITLE GARLAND HEIGHTS / FREEMAN						PROJECT NO(S) 14245	ACCOUNT NO(S) 625-1409-1424504	
PROJECT DESCRIPTION Funding is provided for the design, land acquisition, permitting, and construction related to neighborhood drainage improvements.								FUNDING SOURCE(S) 2004 Bond Fund \$ 4,200,000		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION							TOTAL FUNDED \$ 4,200,000	
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____									UNFUNDED \$	
									PROJECT TOTAL \$ 4,200,000	
STRIP MAP										
										
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Design				300	200			500		
Land/Right-of-Way				50	150			200		
Construction					1,000	2,500		3,500		
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS				350	1,350	2,500		4,200		
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued				350	1,350	2,500		4,200		
RB's/Com Paper										
Certificates of Obligation										
Other										
Unfunded										
TOTAL SOURCES				350	1,350	2,500		4,200		
								PROJECT SCHEDULE	START	FINISH
								Design	3/2019	12/2020
								Land/Right-of-Way	1/2019	12/2020
								Construction	10/2020	12/2021
								Finish Out		
								Other		
TOTAL SCHEDULE									1/2019	12/2021

PAGE NO: D06		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 1	
DEPARTMENT DRAINAGE		PROJECT TITLE BRIDGE REMEDIATION				PROJECT NO(S). 14248		ACCOUNT NO(S). 692-1409-1424807	
PROJECT DESCRIPTION		FUNDING SOURCE(S)							
Funds will provide necessary repairs to various bridges throughout the city as identified in the Bridge Inspection and Appraisal (BRINSAP) Reports provided by the Texas Department of Transportation (TxDOT). Bridges completed to date include Briarwood Drive over Duck Creek, Naaman School Road over Spring Creek, Campbell Road over Rowlett Creek, Centerville Road over Bradfield Creek, and North Garland Road over Spring Creek.		Current Funds		\$ 2,200,000					
		Certificates of Oblig. Issued		350,000					
		Dallas County		461,120					
		2017 Certificates of Oblig.		739,000					
		TOTAL FUNDED		\$ 3,750,120					
		UNFUNDED		\$ 378,880					
		PROJECT TOTAL		\$ 4,129,000					
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION							
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____									
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Design		100	200	20					320
Land/Right-of-Way									
Construction		1,250	2,200	359					3,809
Landscaping									
Equip. & Furnish.									
Other									
TOTAL COSTS		1,350	2,400	379					4,129
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Current Funds		2,200							2,200
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper									
Certificates of Obligation		350	739						1,089
Other (Dallas County)			461						461
Unfunded				379					379
TOTAL SOURCES		2,550	1,200	379					4,129
		PROJECT SCHEDULE		START		FINISH			
		Design		4/2007		12/2018			
		Land/Right-of-Way							
		Construction		4/2010		12/2018			
		Finish Out							
		Other							
		TOTAL SCHEDULE		4/2007		12/2018			

LIBRARY DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
19580	Library Materials	L01	CO/UNF	\$1,977	\$600	\$450	\$300	\$150	\$0	\$0	\$3,477
19581	Facilities Upgrades	L02	CF/GOB04/CO/UNF	2,356	654	0	0	0	0	0	3,010
19584/5	Central Library Life and Safety Upgrades	L03	CO/UNF	37	1,959	800	0	0	0	0	2,796
19587	RFID Service Delivery	L04	CO/Other/UNF	121	2,381	0	0	0	0	0	2,502
	Total			<u>\$4,491</u>	<u>\$5,594</u>	<u>\$1,250</u>	<u>\$300</u>	<u>\$150</u>	<u>\$0</u>	<u>\$0</u>	<u>\$11,785</u>
	Total Existing CO's and Current Funds			\$2,491	\$3,552	\$0	\$0	\$0	\$0	\$0	\$6,043
	2017 Certificates of Obligation			0	2,042	0	0	0	0	0	2,042
	2004 Bond Program			2,000	0	0	0	0	0	0	2,000
	Unfunded			<u>0</u>	<u>0</u>	<u>1,250</u>	<u>300</u>	<u>150</u>	<u>0</u>	<u>0</u>	<u>1,700</u>
	Total			<u>\$4,491</u>	<u>\$5,594</u>	<u>\$1,250</u>	<u>\$300</u>	<u>\$150</u>	<u>\$0</u>	<u>\$0</u>	<u>\$11,785</u>

LIBRARY DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
19580	Library Materials	L01	Appr.	\$600	\$450	\$300	\$150	\$0	\$0	\$1,500
19584/5	Central Library Life and Safety Upgrades	L03	Appr.	793	800	0	0	0	0	1,593
19587	RFID Service Delivery	L04	Appr.	649	0	0	0	0	0	649
	Total			<u>\$2,042</u>	<u>\$1,250</u>	<u>\$300</u>	<u>\$150</u>	<u>\$0</u>	<u>\$0</u>	<u>\$3,742</u>
	Total Approved			\$2,042	\$1,250	\$300	\$150	\$0	\$0	\$3,742
	Total Unapproved			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total			<u>\$2,042</u>	<u>\$1,250</u>	<u>\$300</u>	<u>\$150</u>	<u>\$0</u>	<u>\$0</u>	<u>\$3,742</u>

PAGE NO: L01		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All		
DEPARTMENT LIBRARY			PROJECT TITLE LIBRARY MATERIALS					PROJECT NO(S). 19580	ACCOUNT NO(S). 692-2599-1958004	
PROJECT DESCRIPTION										
<p>According to City Council direction, the CIP funding proposal has been reduced due to an increase in the funding approved in the 2016-17 Operating Budget. The combined CIP and Operating Budget funding for purchased materials has remained at \$1,050,000. The demand for print materials remains strong, while The Library Online downloadable collection continues to be popular with citizens. The Long-Range Plan for Collection Development was approved by the City Council in May 2011 as part of the Texas State Library and Archives Commission accreditation requirement.</p>										
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION							
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions <u> 0 </u> Operations Capital <u> 450,000 </u> Total <u> \$450,000 </u>			\$450,000 was approved for the current Operating Budget. Due to the increase in the amount of the Operating Budget, the CIP project request is able to be reduced to \$600,000.							
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	
Design										
Land/Right-of-Way										
Construction										
Landscaping										
Equip. & Furnish.										
Other		1,977	600	450	300	150			3,477	
TOTAL COSTS		1,977	600	450	300	150			3,477	
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation		1,977	600						2,577	
Other										
Unfunded				450	300	150			900	
TOTAL SOURCES		1,977	600	450	300	150			3,477	
		PROJECT SCHEDULE		START	FINISH					
		Design								
		Land/Right-of-Way								
		Construction								
		Finish Out								
		Other		1/1998	12/2020					
TOTAL SCHEDULE				1/1998	12/2020					

FUNDING SOURCE(S)	
Certificates of Oblig. Issued	\$ 1,976,695
2017 Certificates of Oblig.	600,000
TOTAL FUNDED	\$ 2,576,695
UNFUNDED	\$ 900,000
PROJECT TOTAL	\$ 3,476,695

STRIP MAP

Various locations.

PAGE NO: L04		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All		
DEPARTMENT LIBRARY			PROJECT TITLE RFID SERVICE DELIVERY					PROJECT NO(S). 19587		ACCOUNT NO(S). 692-2599-1958700	
PROJECT DESCRIPTION											
<p>This project provides for RFID inventory control and asset management and security with automated check-in and materials sorting and with minor modifications to facilities. The construction program management is being handled by the Facilities Management Department.</p>											
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations 80,000 Capital Total <u>\$80,000</u>			IMPACT EXPLANATION The installed project will require equipment maintenance. This amount is estimated, with the cost to be negotiated upon selection of the RFID vendor.							FUNDING SOURCE(S) Other \$ 920,000 Certificates of Oblig. Issued 933,000 2017 Certificates of Oblig. 649,000 TOTAL FUNDED \$ 2,502,000 UNFUNDED \$ PROJECT TOTAL \$ 2,502,000	
STRIP MAP											
Various locations.											
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Design											
Land/Right-of-Way											
Construction		2,232						2,232			
Landscaping											
Equip. & Furnish.		88						88			
Other (Consulting/Mgmt)	121	61						182			
TOTAL COSTS	121	2,381						2,502			
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	933	649						1,582			
Other (Lib. Tech. Fund)	217	703						920			
Unfunded											
TOTAL SOURCES	1,150	1,352						2,502			
								PROJECT SCHEDULE	START	FINISH	
								Design			
								Land/Right-of-Way			
								Construction	1/2017	12/2017	
								Finish Out			
								Other	1/2013	12/2017	
								TOTAL SCHEDULE	1/2013	12/2017	

PUBLIC SAFETY DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
<u>Fire</u>											
12032	Fire Station No. 5	PS01	GOB91/04/CO/CF	\$5,106	\$358	\$0	\$0	\$0	\$0	\$0	\$5,464
12099	Remodel Fire Station No. 7	PS02	GOB04/UNF	0	0	0	0	0	0	3,316	3,316
12101	Relocate Fire Station No. 1	PS03	GOB04/UNF	0	0	0	0	0	0	11,098	11,098
12107	Ambulance Remounts	PS04	CO/UNF	1,064	708	528	687	721	757	723	5,188
12058	Replace Fire Apparatus	PS05	CO/UNF	3,854	1,900	0	3,421	0	1,843	0	11,018
<u>Management Information Services</u>											
23047	Radio System Replacement	PS06	CO/CF/INT/Other	16,337	759	0	0	0	0	0	17,096
Total				<u>\$26,361</u>	<u>\$3,725</u>	<u>\$528</u>	<u>\$4,108</u>	<u>\$721</u>	<u>\$2,600</u>	<u>\$15,137</u>	<u>\$53,180</u>
Total Existing CO's/Current Funds/Tax/Interest				\$25,376	\$1,704	\$0	\$0	\$0	\$0	\$0	\$27,080
2017 Certificates of Obligation				0	2,021	0	0	0	0	0	2,021
Unfunded				0	0	528	4,108	721	2,600	14,112	22,069
Total 1991 Bond Program				560	0	0	0	0	0	0	560
Total 2004 Bond Program				425	0	0	0	0	0	1,025	1,450
Total				<u>\$26,361</u>	<u>\$3,725</u>	<u>\$528</u>	<u>\$4,108</u>	<u>\$721</u>	<u>\$2,600</u>	<u>\$15,137</u>	<u>\$53,180</u>

PUBLIC SAFETY DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
UNAPPROVED PROJECTS

PROJ. NO.	Project Description	Page	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
	Fire									
12098	Relocate Fire Station No. 6	PS07	\$0	\$0	\$0	\$0	\$0	\$0	\$7,972	\$7,972
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$7,972</u>	<u>\$7,972</u>

PUBLIC SAFETY DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
Fire										
12099	Remodel Fire Station No. 7	PS02	Appr.	\$0	\$0	\$0	\$0	\$0	\$3,316	\$3,316
12101	Relocate Fire Station No. 1	PS03	Appr.	0	0	0	0	0	11,098	11,098
12107	Ambulance Remounts	PS04	Appr.	503	528	687	721	757	723	3,919
12058	Replace Fire Apparatus	PS05	Appr.	1,518	0	3,421	0	1,843	0	6,782
12098	Relocate Fire Station No. 6	PS07	Unappr.	0	0	0	0	0	7,972	7,972
Total				<u>\$2,021</u>	<u>\$528</u>	<u>\$4,108</u>	<u>\$721</u>	<u>\$2,600</u>	<u>\$23,109</u>	<u>\$33,087</u>
Total Approved				\$2,021	\$528	\$4,108	\$721	\$2,600	\$15,137	\$25,115
Total Unapproved				0	0	0	0	0	7,972	7,972
Total				<u>\$2,021</u>	<u>\$528</u>	<u>\$4,108</u>	<u>\$721</u>	<u>\$2,600</u>	<u>\$23,109</u>	<u>\$33,087</u>

DEPARTMENT FIRE	PROJECT TITLE FIRE STATION NO. 5
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PROJECT NO(S). 12032 12032	ACCOUNT NO(S). 633-4749-1203200 692-4749-1203200
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PROJECT DESCRIPTION
The original scope of this project was to remodel Fire Station No. 5 at 5626 Lyons Road. This building is 37 years old with major structural issues, and the assessment of the work required to bring the building up to workable standards exceeded the funds available. Replacement of Fire Station No. 5 will allow for improved working conditions and provide a new station with a greatly extended building life.

FUNDING SOURCE(S)	
1991 Bond Fund	\$ 560,000
2004 Bond Fund	425,000
Certificates of Oblig. Issued	3,140,371
Current Funds	1,339,101
TOTAL FUNDED	\$ 5,464,472
UNFUNDED	\$
PROJECT TOTAL	\$ 5,464,472

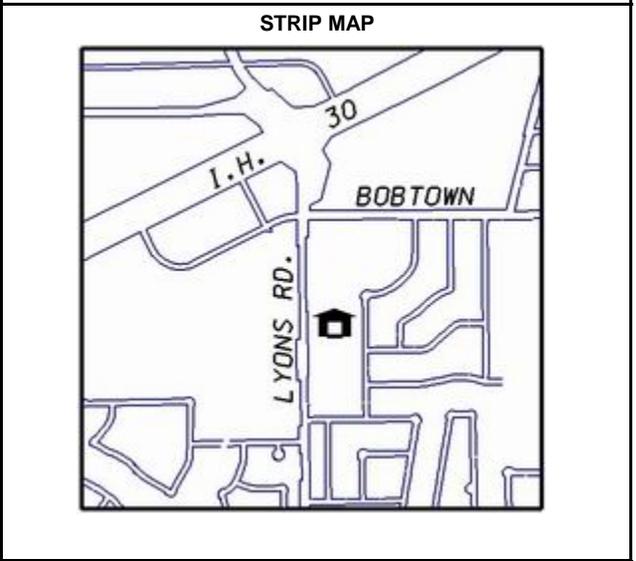
IMPACT ON OPERATING BUDGET

Will Impact Annual Cost/(Savings):
 Will Not Impact Personnel
of Positions _____ Operations
 Capital
 Total _____

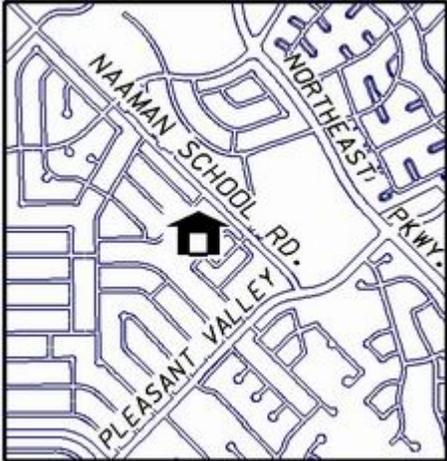
IMPACT EXPLANATION
Current building is nonsustainable in regard to maintenance. Operational impacts should be minimal due to inefficiencies of current mechanical systems. More cost-efficient and sustainable designs will be sought in new station.

*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Design	389	10						399
Land/Right-of-Way								
Construction	3,937	334						4,271
Landscaping								
Equip. & Furnish.	230	0						230
Other	550	14						564
TOTAL COSTS	5,106	358						5,464

*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Current Funds	1,339							1,339
GO's/Com Paper Issued	985							985
GO's Unissued								
RB's/Com Paper								
Certificates of Obligation	3,140							3,140
Other								
Unfunded								
TOTAL SOURCES	5,464							5,464



PROJECT SCHEDULE	START	FINISH
Design	1/2006	3/2017
Land/Right-of-Way		
Construction	10/2015	3/2017
Finish Out		
Other		
TOTAL SCHEDULE	1/2006	3/2017

PAGE NO: PS02		<i>Unfunded Project</i>					*Amounts in 000's \$		COUNCIL DISTRICT(S) 1																																																		
DEPARTMENT FIRE			PROJECT TITLE REMODEL FIRE STATION NO. 7					PROJECT NO(S) 12099		ACCOUNT NO(S) 642-1399-1209904																																																	
PROJECT DESCRIPTION																																																											
Remodel Fire Station No. 7 (approximately 5,957 sq. ft. built in 1985), located at 2545 Naaman School Road. Add approximately 4,243 sq. ft. of area to include additional pull-through apparatus bay, update/expand living quarters, increase loose equipment storage areas, increase work areas, and add a conditioned physical fitness area.																																																											
<table border="0" style="width:100%"> <tr> <td colspan="5">FUNDING SOURCE(S)</td> <td colspan="5"></td> </tr> <tr> <td colspan="5">2004 Bond Fund</td> <td colspan="5" style="text-align:right">\$ 425,000</td> </tr> <tr> <td colspan="5">TOTAL FUNDED</td> <td colspan="5" style="text-align:right">\$ 425,000</td> </tr> <tr> <td colspan="5">UNFUNDED</td> <td colspan="5" style="text-align:right">\$ 2,891,000</td> </tr> <tr> <td colspan="5">PROJECT TOTAL</td> <td colspan="5" style="text-align:right">\$ 3,316,000</td> </tr> </table>										FUNDING SOURCE(S)										2004 Bond Fund					\$ 425,000					TOTAL FUNDED					\$ 425,000					UNFUNDED					\$ 2,891,000					PROJECT TOTAL					\$ 3,316,000				
FUNDING SOURCE(S)																																																											
2004 Bond Fund					\$ 425,000																																																						
TOTAL FUNDED					\$ 425,000																																																						
UNFUNDED					\$ 2,891,000																																																						
PROJECT TOTAL					\$ 3,316,000																																																						
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION																																																								
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			Building and mechanical need updating and replacing to prolong building life. Some Operating Budget impacts will result from continuing full service form a facility undergoing major remodel. The land and utilities are on site and sufficient for project.																																																								
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																																																			
Design							352	352																																																			
Land/Right-of-Way																																																											
Construction							2,418	2,418																																																			
Landscaping																																																											
Equip. & Furnish.							172	172																																																			
Other							374	374																																																			
TOTAL COSTS							3,316	3,316																																																			
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																																																			
Current Funds																																																											
GO's/Com Paper Issued																																																											
GO's Unissued							425	425																																																			
RB's/Com Paper																																																											
Certificates of Obligation																																																											
Other																																																											
Unfunded							2,891	2,891																																																			
TOTAL SOURCES							3,316	3,316																																																			
STRIP MAP																																																											
																																																											
							PROJECT SCHEDULE	START	FINISH																																																		
							Design																																																				
							Land/Right-of-Way																																																				
							Construction																																																				
							Finish Out																																																				
							Other																																																				
							TOTAL SCHEDULE	1/2022	12/2024																																																		

PAGE NO: PS06		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All																
DEPARTMENT MGMT INFO SERVICES		PROJECT TITLE RADIO SYSTEM REPLACEMENT				PROJECT NO(S) 23047		ACCOUNT NO(S) 416-4559-2304700																
PROJECT DESCRIPTION		PROJECT DESCRIPTION				FUNDING SOURCE(S)																		
Requesting funding for new P25 standard radio system for Public Safety and other City entities to replace end-of-life-cycle existing analog radio system. The City uses Motorola's Gold Elite console system and relies on a trunked radio system. Motorola no longer manufactures these systems and has agreed to provide support for our current system until the new system is rolled out.		Requesting funding for new P25 standard radio system for Public Safety and other City entities to replace end-of-life-cycle existing analog radio system. The City uses Motorola's Gold Elite console system and relies on a trunked radio system. Motorola no longer manufactures these systems and has agreed to provide support for our current system until the new system is rolled out.				<table border="0"> <tr> <td>Certificates of Oblig. Issued</td> <td>\$ 11,338,000</td> </tr> <tr> <td>Current Funds</td> <td>1,000,000</td> </tr> <tr> <td>Interest</td> <td>650,000</td> </tr> <tr> <td>Reimbursement</td> <td>4,108,000</td> </tr> <tr> <td>TOTAL FUNDED</td> <td>\$ 17,096,000</td> </tr> <tr> <td>UNFUNDED</td> <td>\$ 0</td> </tr> <tr> <td>PROJECT TOTAL</td> <td>\$ 17,096,000</td> </tr> </table>					Certificates of Oblig. Issued	\$ 11,338,000	Current Funds	1,000,000	Interest	650,000	Reimbursement	4,108,000	TOTAL FUNDED	\$ 17,096,000	UNFUNDED	\$ 0	PROJECT TOTAL	\$ 17,096,000
Certificates of Oblig. Issued	\$ 11,338,000																							
Current Funds	1,000,000																							
Interest	650,000																							
Reimbursement	4,108,000																							
TOTAL FUNDED	\$ 17,096,000																							
UNFUNDED	\$ 0																							
PROJECT TOTAL	\$ 17,096,000																							
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				STRIP MAP Various locations.																		
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel \$255,000 Operations # of Positions <u>5</u> Capital Total <u>\$255,000</u>	The cost of the annual maintenance for the radio system will increase. There will also be a need to add 3 to 5 new positions - dependent on whether we partner with other cities - to support the radio system.																							
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																
Design																								
Land/Right-of-Way																								
Construction	16,307	589						16,896																
Landscaping																								
Equip. & Furnish.																								
Other (Project Manager)	30	170						200																
TOTAL COSTS	16,337	759						17,096																
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																
Current Funds	1,000							1,000																
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH													
GO's Unissued									Design															
RB's/Com Paper									Land/Right-of-Way															
Certificates of Obligation	11,338							11,338	Construction	4/2014	10/2017													
Other (Interest/Reimb.)	4,758							4,758	Finish Out															
Unfunded									Other	1/2014	10/2017													
TOTAL SOURCES	17,096							17,096	TOTAL SCHEDULE	1/2014	10/2017													

Unapproved Submitted Projects

ECONOMIC DEVELOPMENT DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
Engineering											
10046	Land/Property Acquisition	ED01	INT	\$0	\$90	\$67	\$70	\$0	\$0	\$0	\$227
Planning											
10027	Downtown Streetscape & Redevelop. Design	ED02	CF/CO/Other	1,382	903	368	351	351	351	0	3,706
10032	Land Acquisition	ED03	GOB04	55	0	0	0	0	0	3,365	3,420
10034	Neighborhood Vitality Grant Program	ED04	GOB04/Other	2,997	520	520	520	493	0	0	5,050
10042	Downtown Gateways	ED05	GOB04	45	155	600	0	0	0	0	800
10043	Downtown Square Design & Construction	ED06	GOB04/INT	314	222	0	1,800	1,577	0	0	3,913
10044	Forest/Jupiter Streetscape	ED07	GOB04	0	0	0	0	0	0	980	980
10049	Commercial Corridor Revitalization	ED08	GOB04	110	0	0	0	0	0	2,890	3,000
10127	Walnut Street Pedestrian Corridor	ED09	CF/CO/Other/INT	393	1,065	0	0	0	0	0	1,458
10136	City Center Development	ED10	CF/CO/Other	16,623	1,213	0	0	0	0	0	17,836
10508	Economic Development Office	ED11	CF/CO	600	973	0	0	0	0	0	1,573
Total				\$22,519	\$5,141	\$1,555	\$2,741	\$2,421	\$351	\$7,235	\$41,963
Total Existing CO's/CF/Other				\$19,061	\$3,992	\$67	\$70	\$0	\$0	\$0	\$23,190
2017 Certificate of Obligation				0	252	0	0	0	0	0	252
Total 2004 Bond Program				3,458	897	1,120	1,397	493	0	7,235	14,600
Unfunded				0	0	368	1,274	1,928	351	0	3,921
Total				\$22,519	\$5,141	\$1,555	\$2,741	\$2,421	\$351	\$7,235	\$41,963

ECONOMIC DEVELOPMENT DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
Planning										
10027	Downtown Streetscape & Redevelop. Design	ED02	Appr.	\$252	\$368	\$351	\$351	\$351	\$0	\$1,673
10032	Land Acquisition	ED03	Appr.	0	0	0	0	0	3,365	3,365
10034	Neighborhood Vitality Grant Program	ED04	Appr.	28	520	520	493	0	0	1,561
10042	Downtown Gateways	ED05	Appr.	100	600	0	0	0	0	700
10043	Downtown Square Design & Construction	ED06	Appr.	0	0	1,800	1,577	0	0	3,377
10044	Forest/Jupiter Streetscape	ED07	Appr.	0	0	0	0	0	980	980
10049	Commercial Corridor Revitalization	ED08	Appr.	0	0	0	0	0	2,890	2,890
	Total			<u>\$380</u>	<u>\$1,488</u>	<u>\$2,671</u>	<u>\$2,421</u>	<u>\$351</u>	<u>\$7,235</u>	<u>\$14,546</u>
	Total Approved			\$380	\$1,488	\$2,671	\$2,421	\$351	\$7,235	\$14,546
	Total Unapproved			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total			<u>\$380</u>	<u>\$1,488</u>	<u>\$2,671</u>	<u>\$2,421</u>	<u>\$351</u>	<u>\$7,235</u>	<u>\$14,546</u>

PAGE NO: ED03	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All			
DEPARTMENT PLANNING		PROJECT TITLE LAND ACQUISITION						PROJECT NO(S). 10032	ACCOUNT NO(S). 644-1509-1003204			
PROJECT DESCRIPTION										FUNDING SOURCE(S)		
This project will provide funding for acquisition of properties deemed essential to implementation of economic development projects, including transit-oriented development in the vicinity of the DART Rail Station.										2004 Bond Fund	\$ 3,420,000	
										TOTAL FUNDED	\$ 3,420,000	
										UNFUNDED	\$	
										PROJECT TOTAL	\$ 3,420,000	
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION								
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____												
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Design												
Land/Right-of-Way	55						3,365	3,420				
Construction												
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	55						3,365	3,420				
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Current Funds												
GO's/Com Paper Issued	55							55				
GO's Unissued							3,365	3,365				
RB's/Com Paper												
Certificates of Obligation												
Other												
Unfunded												
TOTAL SOURCES	55						3,365	3,420				
										STRIP MAP		
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: ED07		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				*Amounts in 000's \$		COUNCIL DISTRICT(S) 6		
DEPARTMENT PLANNING			PROJECT TITLE FOREST/JUPITER STREETScape					PROJECT NO(S) 10044		ACCOUNT NO(S) 643-1509-1004404		
PROJECT DESCRIPTION This project will provide pedestrian-oriented streetscape improvements linking the Forest/Jupiter DART Station with nearby employment centers, businesses, and residential neighborhoods. Project elements will include enhanced sidewalks, pedestrian lighting, signage, and landscaping (trees, turf, groundcover, and flowers). Improvements will be coordinated with implementation of the Forest/Jupiter Transit-Oriented Redevelopment Plan							FUNDING SOURCE(S) 2004 Bond Fund \$ 980,000 TOTAL FUNDED \$ 980,000 UNFUNDED \$ PROJECT TOTAL \$ 980,000					
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION Operating expenses will be incurred for landscape and irrigation maintenance and plant material replacement. The amount of expense will be dependent on the type and extent of landscape treatment.					STRIP MAP				
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021					
Design								100	100			
Land/Right-of-Way												
Construction								880	880			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS								980	980			
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued								980	980			
RB's/Com Paper												
Certificates of Obligation												
Other												
Unfunded												
TOTAL SOURCES								980	980			
							PROJECT SCHEDULE		START	FINISH		
							Design		1/2022	12/2022		
							Land/Right-of-Way					
							Construction		1/2022	12/2022		
							Finish Out					
							Other					
							TOTAL SCHEDULE		1/2022	12/2022		

PAGE NO: ED08		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All																																																																																																																																																																																																													
DEPARTMENT PLANNING			PROJECT TITLE COMMERCIAL CORRIDOR REVITALIZATION					PROJECT NO(S). 10049		ACCOUNT NO(S). 643-1509-1004904																																																																																																																																																																																																													
PROJECT DESCRIPTION																																																																																																																																																																																																																							
<p>Funding will be distributed among older commercial transportation corridors for improvements to infrastructure, streetscape, and signage. This funding is in conjunction with an overall public/private improvement strategy for each selected corridor. The initial project is enhancement of the South First Street Corridor. The conceptual design phase of this project is complete. Phase Two will include preparation of construction documents and construction administration. Design costs are scheduled for future years to initiate improvement of three additional corridors.</p>																																																																																																																																																																																																																							
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION																																																																																																																																																																																																																				
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			Operating expenses may be incurred for landscape and irrigation maintenance, plant material replacement, sign installation, and other improvements as identified in the individual corridor implementation strategies.																																																																																																																																																																																																																				
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>*PROJECT COSTS</th> <th>Thru 12-2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022 to Completion</th> <th>Total</th> <th colspan="3">STRIP MAP</th> </tr> </thead> <tbody> <tr> <td>Design</td> <td>110</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>440</td> <td>550</td> <td colspan="3"></td> </tr> <tr> <td>Land/Right-of-Way</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>Construction</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,450</td> <td>2,450</td> <td colspan="3"></td> </tr> <tr> <td>Landscaping</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>Equip. & Furnish.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>TOTAL COSTS</td> <td>110</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,890</td> <td>3,000</td> <td colspan="3"></td> </tr> <tr> <th>*SOURCE OF FUNDS</th> <th>Thru 12-2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022 to Completion</th> <th>Total</th> <th>PROJECT SCHEDULE</th> <th>START</th> <th>FINISH</th> </tr> <tr> <td>Current Funds</td> <td></td> </tr> <tr> <td>GO's/Com Paper Issued</td> <td>110</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>110</td> <td>Design</td> <td>6/2007</td> <td>6/2022</td> </tr> <tr> <td>GO's Unissued</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,890</td> <td>2,890</td> <td>Land/Right-of-Way</td> <td></td> <td></td> </tr> <tr> <td>RB's/Com Paper</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Construction</td> <td>6/2022</td> <td>12/2022</td> </tr> <tr> <td>Certificates of Obligation</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Finish Out</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Other</td> <td></td> <td></td> </tr> <tr> <td>Unfunded</td> <td></td> </tr> <tr> <td>TOTAL SOURCES</td> <td>110</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,890</td> <td>3,000</td> <td>TOTAL SCHEDULE</td> <td>6/2007</td> <td>12/2022</td> </tr> </tbody> </table>												*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	STRIP MAP			Design	110						440	550				Land/Right-of-Way												Construction							2,450	2,450				Landscaping												Equip. & Furnish.												Other												TOTAL COSTS	110						2,890	3,000				*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	PROJECT SCHEDULE	START	FINISH	Current Funds												GO's/Com Paper Issued	110							110	Design	6/2007	6/2022	GO's Unissued							2,890	2,890	Land/Right-of-Way			RB's/Com Paper									Construction	6/2022	12/2022	Certificates of Obligation									Finish Out			Other									Other			Unfunded												TOTAL SOURCES	110						2,890	3,000	TOTAL SCHEDULE	6/2007	12/2022
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	STRIP MAP																																																																																																																																																																																																														
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**MUNICIPAL FACILITIES AND MISCELLANEOUS
TAX SUPPORTED DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS**

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
<u>Facilities Management</u>											
16037	HVAC Replacement/Upgrade	MF01	CO/UNF	\$920	\$500	\$250	\$250	\$250	\$250	\$0	\$2,420
16038	Roof Replacement	MF02	CF/CO/UNF	660	1,003	500	400	300	300	0	3,163
16039	Facilities Upgrade	MF03	CF/CO/UNF	954	481	400	400	400	400	0	3,035
16057	Fire Alarm, Fire Safety and Security Systems	MF04	CF/CO/INT/UNF	131	226	210	200	200	200	0	1,167
16062	Parking Lot Upgrades	MF05	CO/UNF	213	250	250	250	250	250	0	1,463
16066	Carver Center Renovation & Safety Upgrades	MF06	CO/UNF	242	2,969	0	0	0	0	0	3,211
16104	City Hall Code/Safety Updates	MF07	CO	1,519	391	0	0	0	0	0	1,910
<u>Firewheel</u>											
36529	Firewheel Golf Park Equipment	MF08	UNF	0	0	90	90	100	100	0	380
36530	Firewheel Golf Park Improvements	MF09	CF/CO/INT/UNF	1,022	311	250	150	150	150	0	2,033
36531	Firewheel Golf Park Cart Replacements	MF10	UNF	0	0	300	320	0	300	0	920
<u>Public and Media Relations</u>											
16084	CGTV - Upgrades	MF11	Other	1,952	461	0	0	0	0	0	2,413
<u>Street</u>											
39811	Infrastructure Equipment	MF12	CO	710	700	500	500	500	500	0	3,410
Total				<u>\$8,323</u>	<u>\$7,292</u>	<u>\$2,750</u>	<u>\$2,560</u>	<u>\$2,150</u>	<u>\$2,450</u>	<u>\$0</u>	<u>\$25,525</u>
Total Existing CO's/Current Funds/Interest/Other				\$8,323	\$4,338	\$313	\$250	\$38	\$0	\$0	\$13,262
2017 Certificates of Obligation				0	2,954	0	0	0	0	0	2,954
Unfunded				0	0	2,437	2,310	2,112	2,450	0	9,309
Total				<u>\$8,323</u>	<u>\$7,292</u>	<u>\$2,750</u>	<u>\$2,560</u>	<u>\$2,150</u>	<u>\$2,450</u>	<u>\$0</u>	<u>\$25,525</u>

**MUNICIPAL FACILITIES AND MISCELLANEOUS
TAX SUPPORTED DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS**

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
<u>Facilities Management</u>										
16037	HVAC Replacement/Upgrade	MF01	Appr.	\$400	\$250	\$250	\$250	\$250	\$0	\$1,400
16038	Roof Replacement	MF02	Appr.	400	500	400	300	300	0	1,900
16039	Facilities Upgrade	MF03	Appr.	0	349	400	400	400	0	1,549
16057	Fire Alarm, Fire Safety and Security Systems	MF04	Appr.	0	198	200	200	200	0	798
16062	Parking Lot Upgrades	MF05	Appr.	0	0	0	212	250	0	462
16066	Carver Center Renovation & Safety Upgrades	MF06	Appr.	1,500	0	0	0	0	0	1,500
<u>Firewheel</u>										
36529	Firewheel Golf Park Equipment	MF08	Appr.	0	90	90	100	100	0	380
36530	Firewheel Golf Park Improvements	MF09	Appr.	0	250	150	150	150	0	700
36531	Firewheel Golf Park Cart Replacements	MF10	Appr.	0	300	320	0	300	0	920
<u>Street</u>										
39811	Infrastructure Equipment	MF12	Appr.	654	500	500	500	500	0	2,654
Total				<u>\$2,954</u>	<u>\$2,437</u>	<u>\$2,310</u>	<u>\$2,112</u>	<u>\$2,450</u>	<u>\$0</u>	<u>\$12,263</u>
Total Approved				\$2,954	\$2,437	\$2,310	\$2,112	\$2,450	\$0	\$12,263
Total Unapproved				0	0	0	0	0	0	0
Total				<u>\$2,954</u>	<u>\$2,437</u>	<u>\$2,310</u>	<u>\$2,112</u>	<u>\$2,450</u>	<u>\$0</u>	<u>\$12,263</u>

PAGE NO: MF04	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT FACILITIES MANAGEMENT		PROJECT TITLE FIRE ALARM, SAFETY AND SECURITY SYSTEMS						PROJECT NO(S). 16057	ACCOUNT NO(S). 692-4749-1605700		
PROJECT DESCRIPTION											
Provides funding for design and installation of fire alarm, fire safety, fire suppression, and security systems in City-owned structures, facilities, and buildings with primary emphasis on high citizen-use areas.											
FUNDING SOURCE(S) Current Funds \$ 46,173 Interest 50,000 Certificates of Oblig. Issued 273,000 TOTAL FUNDED \$ 369,173 UNFUNDED \$ 798,000 PROJECT TOTAL \$ 1,167,173											
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION							
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				The Operating Budget will increase in response to added need to fund annual inspection, monitoring, and maintenance programs.							
STRIP MAP											
Various locations.											
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Design											
Land/Right-of-Way											
Construction	131	226	210	200	200	200		1,167			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	131	226	210	200	200	200		1,167			
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Current Funds	46							46			
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	273							273			
Other (Interest)	50							50			
Unfunded			198	200	200	200		798			
TOTAL SOURCES	369		198	200	200	200		1,167			
								PROJECT SCHEDULE	START	FINISH	
								Design			
								Land/Right-of-Way			
								Construction			
								Finish Out			
								Other			
								TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: MF07		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT FACILITIES MANAGEMENT			PROJECT TITLE CITY HALL CODE/SAFETY UPDATES					PROJECT NO(S). 16104		ACCOUNT NO(S). 692-4749-1610400	
PROJECT DESCRIPTION This project will provide funding to make fire/life/safety updates to the interior of City Hall in accordance with the Building Code and Texas Accessibility Standards (TAS). Updates will include the provision of accessible restrooms throughout the facility, a publicly-accessible elevator, as well as installation of a fire suppression/sprinkler system.							FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,910,000 TOTAL FUNDED \$ 1,910,000 UNFUNDED \$ PROJECT TOTAL \$ 1,910,000				
IMPACT ON OPERATING BUDGET <input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION								
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Design		127							127		
Land/Right-of-Way											
Construction		1,327	165						1,492		
Landscaping											
Equip. & Furnish.		30	0						30		
Other		35	226						261		
TOTAL COSTS		1,519	391						1,910		
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		1,910							1,910		
Other											
Unfunded											
TOTAL SOURCES		1,910							1,910		
							PROJECT SCHEDULE		START	FINISH	
							Design				
							Land/Right-of-Way				
							Construction				
							Finish Out				
							Other				
							TOTAL SCHEDULE		1/2013	6/2017	

PAGE NO: MF12	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A					
DEPARTMENT STREET		PROJECT TITLE INFRASTRUCTURE EQUIPMENT						PROJECT NO(S). 39811		ACCOUNT NO(S). 692-4699-3981100				
PROJECT DESCRIPTION										FUNDING SOURCE(S)				
Provides funds for the regular replacement of equipment required to maintain and improve City bridges, intersections, and streets. In 2017, four trucks/tractors and four end dump trailers (\$700,000) are requested for replacement. These four trucks and trailers are 2004, 2005, and 2006 (2) models. They have experienced significant wear and tear and are in need of significant repairs.										Certificates of Oblig. Issued		\$	756,000	
										2017 Certificates of Oblig.		\$	654,000	
										TOTAL FUNDED		\$	1,410,000	
										UNFUNDED		\$	2,000,000	
										PROJECT TOTAL		\$	3,410,000	
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION											
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____														
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	STRIP MAP					
Design														
Land/Right-of-Way														
Construction														
Landscaping														
Equip. & Furnish.	710	700	500	500	500	500		3,410						
Other														
TOTAL COSTS	710	700	500	500	500	500		3,410						
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total						
Current Funds														
GO's/Com Paper Issued														
GO's Unissued														
RB's/Com Paper														
Certificates of Obligation	756	654						1,410						
Other														
Unfunded			500	500	500	500		2,000						
TOTAL SOURCES	756	654	500	500	500	500		3,410						
								PROJECT SCHEDULE	START	FINISH				
								Design						
								Land/Right-of-Way						
								Construction						
								Finish Out						
								Other						
								TOTAL SCHEDULE	(Ongoing	Project)				

**MISCELLANEOUS REVENUE SUPPORTED AND
INTERNAL SERVICE DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS**

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2121	2022 to Completion	Project Total
<u>EWS Group - Delivery</u>											
21070	95-Gal. Recycling Containers - Phases 5 thru 6	M01	CO	\$1,106	\$591	\$0	\$0	\$0	\$0	\$0	\$1,697
21068	Replacement of Side-Load Residential Trucks	M02	CO/INT/UNF	2,308	1,263	632	1,991	1,045	1,829	0	9,068
21069	Replacement of Recycling Truck	M03	CO/UNF	575	316	632	332	1,045	366	0	3,266
21071	Replacement of Rear-Load Brush Trucks	M04	CF/CO	981	540	0	0	0	0	0	1,521
21073	Replcmt. of Brush Tractor Trucks & Trailers	M05	CO/UNF	704	314	441	134	70	0	0	1,663
21075	Replcmt. of Commercial Front-Load Truck	M06	CO/UNF	600	0	330	346	364	764	0	2,404
21078	Replacement of Knuckle Boom Trucks	M07	CO/UNF	534	406	406	213	448	235	0	2,242
21081	* Replcmt. of Commercial Roll-Off Truck	M08	CO/UNF	0	202	0	0	0	233	0	435
21085	* Replcmt. of Front-Load Container Carrier Truck	M09	CO	0	73	0	0	0	0	0	73
<u>Fleet Services</u>											
19030	Fuel System Upgrade	M10	CO	81	271	0	0	0	0	0	352
19033	Fleet Services Facility Renovation	M11	CO	103	1,557	0	0	0	0	0	1,660
<u>Management Information Services</u>											
23045	Extend Fiber Optic Cable	M12	CO	440	250	0	0	0	0	0	690
23019	Network and Cabling Upgrades	M13	CF/CO/INT	810	390	0	0	0	0	0	1,200
23048	* Telephone System Replacement	M14	CO/UNF	0	413	413	413	413	0	0	1,652
<u>Stormwater Management</u>											
39818	Stormwater Maintenance Equipment	M15	CO/UNF	752	525	500	500	500	500	0	3,277
Total				<u>\$8,994</u>	<u>\$7,111</u>	<u>\$3,354</u>	<u>\$3,929</u>	<u>\$3,885</u>	<u>\$3,927</u>	<u>\$0</u>	<u>\$31,200</u>
Total Existing CO's, Interest, and Other Sources				\$8,994	\$2,659	\$0	\$0	\$0	\$0	\$0	\$11,653
2017 Certificate of Obligation				0	4,452	0	0	0	0	0	4,452
Unfunded				0	0	3,354	3,929	3,885	3,927	0	15,095
Total				<u>\$8,994</u>	<u>\$7,111</u>	<u>\$3,354</u>	<u>\$3,929</u>	<u>\$3,885</u>	<u>\$3,927</u>	<u>\$0</u>	<u>\$31,200</u>

*Project funded for the first time

**MISCELLANEOUS REVENUE SUPPORTED AND
INTERNAL SERVICE DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS**

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
<u>EWS Group - Delivery</u>										
21070	95-Gal. Recycling Containers - Phases 5 thru 6	M01	Appr.	\$565	\$0	\$0	\$0	\$0	\$0	\$565
21068	Replacement of Side-Load Residential Trucks	M02	Appr.	1,165	632	1,991	1,045	1,829	0	6,662
21069	Replacement of Recycling Truck	M03	Appr.	289	632	332	1,045	366	0	2,664
21071	Replacement of Rear-Load Brush Trucks	M04	Appr.	308	0	0	0	0	0	308
21073	Replcmt. of Brush Tractor Trucks & Trailers	M05	Appr.	291	441	134	70	0	0	936
21075	Replcmt. of Commercial Front-Load Truck	M06	Appr.	0	330	346	364	764	0	1,804
21078	Replacement of Knuckle Boom Trucks	M07	Appr.	406	406	213	448	235	0	1,708
21081	* Replcmt. of Commercial Roll-Off Truck	M08	Appr.	167	0	0	0	233	0	400
21085	* Replcmt. of Front-Load Container Carrier Truck	M09	Appr.	73	0	0	0	0	0	73
<u>Management Information Services</u>										
23019	Network and Cabling Upgrades	M13	Appr.	250	0	0	0	0	0	250
23048	* Telephone System Replacement	M14	Appr.	413	413	413	413	0	0	1,652
<u>Stormwater Management</u>										
39818	Stormwater Maintenance Equipment	M15	Appr.	525	500	500	500	500	0	2,525
Total				<u>\$4,452</u>	<u>\$3,354</u>	<u>\$3,929</u>	<u>\$3,885</u>	<u>\$3,927</u>	<u>\$0</u>	<u>\$19,547</u>
Total Approved				\$4,452	\$3,354	\$3,929	\$3,885	\$3,927	\$0	\$19,547
Total Unapproved				0	0	0	0	0	0	0
Total				<u>\$4,452</u>	<u>\$3,354</u>	<u>\$3,929</u>	<u>\$3,885</u>	<u>\$3,927</u>	<u>\$0</u>	<u>\$19,547</u>

*Projects funded for the first time

PAGE NO: M04		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All																																																																																			
DEPARTMENT EWS GROUP - DELIVERY			PROJECT TITLE REPLACEMENT OF REAR-LOAD BRUSH TRUCKS					PROJECT NO(S). 21071		ACCOUNT NO(S). 246-4319-2107100																																																																																			
PROJECT DESCRIPTION										FUNDING SOURCE(S)																																																																																			
<p>Funding is requested for the replacement of two (2) 2002 model Rear-Loader Brush & Bulky Goods Collection Trucks (#430-262 & #430-265). These pieces of equipment are requiring significant maintenance costs in order to remain operational.</p> <p>Environmental Waste Services equipment is evaluated by the Fleet Services Department, and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.</p>										<p>Certificates of Oblig. Issued \$ 1,013,000 2017 Certificates of Oblig. 308,000 Current Funds 200,000</p>																																																																																			
<p>IMPACT ON OPERATING BUDGET</p> <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____										<p>IMPACT EXPLANATION New trucks will lower maintenance costs.</p>																																																																																			
<table border="1"> <thead> <tr> <th>*PROJECT COSTS</th> <th>Thru 12-2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022 to Completion</th> <th>Total</th> </tr> </thead> <tbody> <tr><td>Design</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Land/Right-of-Way</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Construction</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Landscaping</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Equip. & Furnish.</td><td>981</td><td>540</td><td></td><td></td><td></td><td></td><td></td><td>1,521</td></tr> <tr><td>Other</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>TOTAL COSTS</td><td>981</td><td>540</td><td></td><td></td><td></td><td></td><td></td><td>1,521</td></tr> </tbody> </table>										*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	Design									Land/Right-of-Way									Construction									Landscaping									Equip. & Furnish.	981	540						1,521	Other									TOTAL COSTS	981	540						1,521	<p>TOTAL FUNDED \$ 1,521,000 UNFUNDED \$ PROJECT TOTAL \$ 1,521,000</p>											
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																																																																																					
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Land/Right-of-Way																																																																																													
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*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																																																																																					
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							Other																																																																																						
TOTAL SCHEDULE							(Ongoing	Project)																																																																																					

PAGE NO: M08		New Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) N/A			
DEPARTMENT EWS GROUP - DELIVERY				PROJECT TITLE REPLCMT. OF COMMERCIAL ROLL-OFF TRUCK				PROJECT NO(S). 21081		ACCOUNT NO(S). 246-4319-2108100			
PROJECT DESCRIPTION Funding is requested for the replacement of a 2001 model Commercial Services Roll-Off Truck (#432-5596). This piece of equipment requires significant maintenance costs in order to remain operational. Environmental Waste Services equipment is evaluated by the Fleet Services Department, and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.										FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 34,565 2017 Certificates of Oblig. 167,000 TOTAL FUNDED \$ 201,565 UNFUNDED \$ 233,000 PROJECT TOTAL \$ 434,565			
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____				IMPACT EXPLANATION New equipment will lower maintenance costs.									
*PROJECT COSTS										STRIP MAP			
	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Design													
Land/Right-of-Way													
Construction													
Landscaping													
Equip. & Furnish.		202				233		435					
Other													
TOTAL COSTS		202				233		435					
*SOURCE OF FUNDS													PROJECT SCHEDULE
	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation	35	167						202					
Other													
Unfunded						233		233					
TOTAL SOURCES	35	167				233		435					
										START		FINISH	
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
TOTAL SCHEDULE										(Ongoing		Project)	

PAGE NO: M09		New Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) N/A																																																																																																																																																																																																													
DEPARTMENT EWS GROUP - DELIVERY				PROJECT TITLE REPLCMT. OF FRONT-LOAD CONT. CARRIER TRUCK				PROJECT NO(S) 21085		ACCOUNT NO(S) 246-4319-2108500																																																																																																																																																																																																													
PROJECT DESCRIPTION																																																																																																																																																																																																																							
<p>Funding is requested for the replacement of a 2007 model Front-Load Container Carrier Truck (#430-1259). The vehicle is used to transport from inventory new or repaired front-load containers to commercial business locations. In addition, this vehicle is used to retrieve damaged containers or containers no longer needed by the customer. This piece of equipment requires significant maintenance costs in order to remain operational.</p> <p>Environmental Waste Services equipment is evaluated by the Fleet Services Department, and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.</p>																																																																																																																																																																																																																							
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*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	STRIP MAP																																																																																																																																																																																																														
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PAGE NO: M10		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All		
DEPARTMENT FLEET SERVICES		PROJECT TITLE FUEL SYSTEM UPGRADE				PROJECT NO(S) 19030		ACCOUNT NO(S) 446-4899-1903007		
PROJECT DESCRIPTION		FUNDING SOURCE(S)				TOTAL FUNDED		\$ 352,378		
<p>This project is for the installation of electronic fuel tank monitors on all of the fuel inventory tanks for the City, the installation of automated fuel dispensing on the Greenhouse fuel tanks, and the addition of a 10,000-gallon fuel tank to the Landfill fuel island and an electronic tank monitor and fuel dispensers, including construction work to properly install this equipment.</p>		<p>Certificates of Oblig. Issued \$ 352,378</p>				<p>UNFUNDED</p>		<p>\$</p>		
<p>IMPACT ON OPERATING BUDGET</p> <p><input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel \$29,000 Operations 7,000 # of Positions _____ Capital Total <u>\$36,000</u></p>		<p>IMPACT EXPLANATION</p> <p>Maintenance costs for maintaining 24 tank monitors will be required in the Operating Budget on an annual basis.</p>				<p>PROJECT TOTAL</p>		<p>\$ 352,378</p>		
STRIP MAP										
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Design										
Land/Right-of-Way										
Construction										
Landscaping										
Equip. & Furnish.	81	271						352		
Other										
TOTAL COSTS	81	271						352		
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation	352							352		
Other										
Unfunded										
TOTAL SOURCES	352							352		
								PROJECT SCHEDULE	START	FINISH
								Design		
								Land/Right-of-Way		
								Construction		
								Finish Out		
								Other		
TOTAL SCHEDULE									1/2010	12/2017

PAGE NO: M11		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) 2		
DEPARTMENT FLEET SERVICES			PROJECT TITLE FLEET SERVICES FACILITY RENOVATION					PROJECT NO(S) 19033	ACCOUNT NO(S) 446-4749-19033XX		
PROJECT DESCRIPTION In 2015, Fleet Services secured CIP funding in the amount of \$150,000 to improve the restrooms and the combined meeting, customer waiting, and break areas. Existing funding has provided for a comprehensive needs assessment, architectural evaluation and design, and an asbestos survey. The evaluations indicate the need for additional funding in the amount of \$1,510,000 to accomplish the goals of improved restroom access and conditions, development of a customer waiting area, increased occupancy of the meeting/break area, and increased parts storage. The proposed design allows accomplishment of the goals within the same building footprint and without loss of equipment service bays.							FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,660,000 TOTAL FUNDED \$ 1,660,000 UNFUNDED \$ PROJECT TOTAL \$ 1,660,000				
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations 2,000 Capital Total \$2,000			IMPACT EXPLANATION There will be a marginal increase in Fleet Services' utility costs due to the additional waiting area. Also, the break room being requested includes air-conditioning.							STRIP MAP	
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Design	76	78						154			
Land/Right-of-Way											
Construction	10	1,201						1,211			
Landscaping											
Equip. & Furnish.	2	123						125			
Other	15	155						170			
TOTAL COSTS	103	1,557						1,660			
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	1,660							1,660			
Other											
Unfunded											
TOTAL SOURCES	1,660							1,660			
								PROJECT SCHEDULE	START	FINISH	
								Design	4/2012	6/2017	
								Land/Right-of-Way			
								Construction	4/2016	6/2017	
								Finish Out			
								Other			
								TOTAL SCHEDULE	4/2012	6/2017	

PAGE NO: M14		New Project					*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT MGMT INFO SERVICES		PROJECT TITLE TELEPHONE SYSTEM REPLACEMENT					PROJECT NO(S) 23048		ACCOUNT NO(S) 416-4599-2304800	
PROJECT DESCRIPTION The core components of the existing Nortel CS1000 system were installed in 1988 by GTE. Avaya, Inc. acquired Nortel Enterprises in 2009 and has provided support for the Nortel CS1000 since that time. Avaya announced an "end of manufacturer support for hardware" date of June 1, 2018. Although parts availability is a minor concern, larger concerns surround the availability of supported hardware and software that integrates with the 30-year-old CS1000 (i.e. interactive voice response (IVR) used by Municipal Court, Customer Service, Water and Building Inspection and support for modern telephony protocols). Software support for the CS1000 is expected to be discontinued in 2021. IT proposes a proactive, multi-year approach to replacing the CS1000 system in which the City moves to the Avaya Aura Communications Manager in a methodical fashion that can be funded over a four-year period. This approach also allows the City to take advantage of \$600,000 in discounts to upgrade licenses associated with our current Nortel system.		FUNDING SOURCE(S) 2017 Certificates of Oblig. \$ 413,000					TOTAL FUNDED \$ 413,000		UNFUNDED \$ 1,239,000	
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____		IMPACT EXPLANATION Current ongoing annual maintenance will increase for the Avaya Communications Manager. This increase will be an incremental phase-in over the life of the project with a total \$30,000 increase realized at the conclusion of the upgrade.					PROJECT TOTAL \$ 1,652,000		STRIP MAP	
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Design										
Land/Right-of-Way										
Construction										
Landscaping										
Equip. & Furnish.		413	413	413	413			1,652		
Other										
TOTAL COSTS		413	413	413	413			1,652		
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation		413						413		
Other										
Unfunded			413	413	413			1,239		
TOTAL SOURCES		413	413	413	413			1,652		
								PROJECT SCHEDULE	START	FINISH
								Design		
								Land/Right-of-Way		
								Construction		
								Finish Out		
								Other		
TOTAL SCHEDULE								1/2017	12/2020	

LANDFILL/TRANSFER STATION DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
17154	Replacement of Landfill Equipment	EW01	CO/UNF	\$1,475	\$956	\$2,503	\$1,765	\$2,497	\$3,334	\$0	\$12,530
17155	Replacement of Transfer Station Equipment	EW02	CO/UNF	252	452	0	417	0	0	0	1,121
17159	* Transfer Station Rebuild	EW03	CF/UNF	0	340	407	0	0	0	0	747
17160	* Leachate Discharge System Upgrades	EW04	CO	0	198	0	0	0	0	0	198
17161	* Hinton Landfill GCCS Expansion	EW05	CO	0	900	0	0	0	0	0	900
Total				<u>\$1,727</u>	<u>\$2,846</u>	<u>\$2,910</u>	<u>\$2,182</u>	<u>\$2,497</u>	<u>\$3,334</u>	<u>\$0</u>	<u>\$15,496</u>
Total Existing CO's, Interest, and Other Sources				\$1,727	\$515	\$158	\$0	\$0	\$0	\$0	\$2,400
2017 Certificates of Obligation				0	2,331	0	0	0	0	0	2,331
Unfunded				<u>0</u>	<u>0</u>	<u>2,752</u>	<u>2,182</u>	<u>2,497</u>	<u>3,334</u>	<u>0</u>	<u>10,765</u>
Total				<u>\$1,727</u>	<u>\$2,846</u>	<u>\$2,910</u>	<u>\$2,182</u>	<u>\$2,497</u>	<u>\$3,334</u>	<u>\$0</u>	<u>\$15,496</u>

* Project funded for the first time

LANDFILL/TRANSFER STATION DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
17154	Replacement of Landfill Equipment	EW01	Appr.	\$822	\$2,503	\$1,765	\$2,497	\$3,334	\$0	\$10,921
17155	Replacement of Transfer Station Equipment	EW02	Appr.	411	0	417	0	0	0	828
17159	EWS Transfer Station Rebuild	EW03	Appr.	0	249	0	0	0	0	249
17160	Leachate Discharge System Upgrades	EW04	Appr.	198	0	0	0	0	0	198
17161	Hinton Landfill GCCS Expansion	EW05	Appr.	900	0	0	0	0	0	900
	Total			<u>\$2,331</u>	<u>\$2,752</u>	<u>\$2,182</u>	<u>\$2,497</u>	<u>\$3,334</u>	<u>\$0</u>	<u>\$13,096</u>
	Total Approved			\$2,331	\$2,752	\$2,182	\$2,497	\$3,334	\$0	\$13,096
	Total Unapproved			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total			<u>\$2,331</u>	<u>\$2,752</u>	<u>\$2,182</u>	<u>\$2,497</u>	<u>\$3,334</u>	<u>\$0</u>	<u>\$13,096</u>

*Project funded for the first time

PAGE NO: EW02		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) N/A					
DEPARTMENT EWS GROUP - DISPOSAL		PROJECT TITLE REPLACEMENT OF TRANSFER STATION EQUIP.				PROJECT NO(S) 17155		ACCOUNT NO(S) 692-1609-1715500					
PROJECT DESCRIPTION Funding is requested for the replacement of two (2) Tractor Trucks (#160-0091 & #160-0094) and two (2) Transfer Trailers (#160-0099 & #160-0100). Environmental Waste Services equipment is evaluated annually by the Fleet Services Department, and a five-year replacement schedule is updated each year for financial planning. This evaluation takes into consideration age, mileage, maintenance costs, operating effectiveness of each piece of equipment, and financial impact on the City.						FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 293,000 2017 Certificates of Oblig. 411,000 TOTAL FUNDED \$ 704,000 UNFUNDED \$ 417,000 PROJECT TOTAL \$ 1,121,000					STRIP MAP		
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Design													
Land/Right-of-Way													
Construction													
Landscaping													
Equip. & Furnish.		252	452		417				1,121				
Other													
TOTAL COSTS		252	452		417				1,121				
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation		293	411						704				
Other													
Unfunded					417				417				
TOTAL SOURCES		293	411		417				1,121				
										PROJECT SCHEDULE	START	FINISH	
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
										TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: EW04	<i>New Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A	
DEPARTMENT EWS GROUP - DISPOSAL		PROJECT TITLE LEACHATE DISCHARGE SYSTEM UPGRADES						PROJECT NO(S) 17160	ACCOUNT NO(S) 692-1609-1716000	
PROJECT DESCRIPTION Funding is requested to upgrade the existing landfill leachate discharge line and the existing lift station at the Hinton Landfill facility. The existing system is undersized, and the upgrade is necessary to ensure continued compliance with Texas Commission on Environmental Quality (TCEQ) requirements.								FUNDING SOURCE(S)		
								2017 Certificates of Oblig. \$ 198,000		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						TOTAL FUNDED \$ 198,000 UNFUNDED \$ 0 PROJECT TOTAL \$ 198,000		
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		Ensure continued compliance with TCEQ requirements.								
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	
Design										
Land/Right-of-Way										
Construction										
Landscaping										
Equip. & Furnish.										
Other Upgrade line & lift			198						198	
TOTAL COSTS			198						198	
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation			198						198	
Other										
Unfunded										
TOTAL SOURCES			198						198	
								PROJECT SCHEDULE	START	FINISH
								Design		
								Land/Right-of-Way		
								Construction		
								Finish Out		
								Other	3/2017	12/2017
								TOTAL SCHEDULE	3/2017	12/2017

STRIP MAP

WATER DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
30190	Transmission Mains (16-Inch and Above)	W01	RB/UNF	\$3,624	\$1,977	\$1,500	\$1,500	\$1,500	\$1,500	\$0	\$11,601
30191	Distribution Lines (Up to 14-Inch)	W02	RB/UNF	4,261	3,850	3,300	3,000	3,000	3,000	0	20,411
30192	Relocation of Mains Prior to Paving	W03	RB/UNF	4,050	3,603	4,200	3,200	3,000	3,000	0	21,053
30195	Relocation of Mains Prior to Storm Sewer Install.	W04	RB/UNF	0	275	125	125	125	125	0	775
30197	Water Pump Station Rehab	W05	RB/UNF	2,047	2,188	600	400	200	200	0	5,635
30205	Fire Hydrant Installation	W06	RB/CO/INT/UNF	564	717	300	300	300	300	0	2,481
30206	New Water Service Installation	W07	RB/UNF	315	371	300	300	300	300	0	1,886
30207	Upgrade Undersized Water Mains	W08	RB/UNF	968	724	500	500	500	500	0	3,692
30208	Water Distribution Line Replacement	W09	RB/UNF	741	1,012	750	750	750	750	0	4,753
30213	Radio Read Water Meter Retrofit	W10	RB/UNF	1,020	746	500	500	500	500	0	3,766
30216	Country Club/Bobtown Road Water Trans. Mains	W11	RB/UNF	2,549	1,000	2,260	0	0	0	0	5,809
30222	West Pressure Plane Improvements	W12	RB/CF/UNF	12,464	1,660	550	0	0	0	0	14,674
30235	* Roan Road Water Transmission Main	W13	RB/UNF	0	400	1,600	0	0	0	0	2,000
30236	* Water Quality Assurance	W14	RB	0	400	0	0	0	0	0	400
Total				<u>\$32,603</u>	<u>\$18,923</u>	<u>\$16,485</u>	<u>\$10,575</u>	<u>\$10,175</u>	<u>\$10,175</u>	<u>\$0</u>	<u>\$98,936</u>
Total Existing CO's/RB's/Interest/Current Funds				\$32,603	\$11,098	\$0	\$0	\$0	\$0	\$0	\$43,701
Total 2017 Revenue Bonds/Commerical Paper				0	7,825	0	0	0	0	0	7,825
Unfunded				0	0	16,485	10,575	10,175	10,175	0	47,410
Total				<u>\$32,603</u>	<u>\$18,923</u>	<u>\$16,485</u>	<u>\$10,575</u>	<u>\$10,175</u>	<u>\$10,175</u>	<u>\$0</u>	<u>\$98,936</u>

*Project funded for the first time

WATER DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
UNAPPROVED PROJECTS

PROJ. NO.	Project Description	Page	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
30232	East Zone Water Tower	W15	\$0	\$0	\$0	\$0	\$0	\$7,000	\$0	\$7,000
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$7,000</u>	<u>\$0</u>	<u>\$7,000</u>

WATER DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
30190	Transmission Mains (16-Inch and Above)	W01	Appr.	\$750	\$1,500	\$1,500	\$1,500	\$1,500	\$0	\$6,750
30191	Distribution Lines (Up to 14-Inch)	W02	Appr.	3,200	3,300	3,000	3,000	3,000	0	15,500
30192	Relocation of Mains Prior to Paving	W03	Appr.	0	4,200	3,200	3,000	3,000	0	13,400
30195	Relocation of Mains Prior to Storm Sewer Install.	W04	Appr.	275	125	125	125	125	0	775
30197	Water Pump Station Rehab	W05	Appr.	400	600	400	200	200	0	1,800
30205	Fire Hydrant Installation	W06	Appr.	0	300	300	300	300	0	1,200
30206	New Water Service Installation	W07	Appr.	0	300	300	300	300	0	1,200
30207	Upgrade Undersized Water Mains	W08	Appr.	0	500	500	500	500	0	2,000
30208	Water Distribution Line Replacement	W09	Appr.	500	750	750	750	750	0	3,500
30213	Radio Read Water Meter Retrofit	W10	Appr.	700	500	500	500	500	0	2,700
30216	Country Club/Bobtown Road Water Trans. Mains	W11	Appr.	1,000	2,260	0	0	0	0	3,260
30222	West Pressure Plane Improvements	W12	Appr.	200	550	0	0	0	0	750
30235	Roan Road Water Transmission Main	W13	Appr.	400	1,600	0	0	0	0	2,000
30236	Water Quality Assurance	W14	Appr.	400	0	0	0	0	0	400
30232	East Zone Water Tower	W15	Unappr.	0	0	0	0	7,000	0	7,000
Total				<u>\$7,825</u>	<u>\$16,485</u>	<u>\$10,575</u>	<u>\$10,175</u>	<u>\$10,175</u>	<u>\$0</u>	<u>\$55,235</u>
Total Approved				\$7,825	\$16,485	\$10,575	\$10,175	\$10,175	\$0	\$55,235
Total Unapproved				<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>7,000</u>	<u>0</u>	<u>7,000</u>
Total				<u>\$7,825</u>	<u>\$16,485</u>	<u>\$10,575</u>	<u>\$10,175</u>	<u>\$17,175</u>	<u>\$0</u>	<u>\$62,235</u>

PAGE NO: W01		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All			
DEPARTMENT WATER		PROJECT TITLE TRANSMISSION MAINS (16-INCH AND ABOVE)							PROJECT NO(S). 30190		ACCOUNT NO(S). 227-4049-3019000 220-4049-3019000		
PROJECT DESCRIPTION													
<p>The installation of new water transmission mains and upgrades to existing water transmission mains include the costs for labor, outside contractors, and engineered designs. Water transmission mains to be replaced as part of the 2017 CIP include Forest Lane from Jupiter Road to the railroad tracks, Forest Lane from Shiloh Road to State Street, Miller Road from Hilltop Drive to Saturn Road, and Broadway Boulevard from Merrimac Drive to Wynn Joyce Road.</p>													
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION									
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____				Impact on the Operating Budget should be favorable due to decreased maintenance costs associated with new lines.									
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Design		560	300						860				
Land/Right-of-Way													
Construction		3,064	1,677	1,500	1,500	1,500	1,500		10,741				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		3,624	1,977	1,500	1,500	1,500	1,500		11,601				
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper		4,851	750						5,601				
Certificates of Obligation													
Other													
Unfunded				1,500	1,500	1,500	1,500		6,000				
TOTAL SOURCES		4,851	750	1,500	1,500	1,500	1,500		11,601				
FUNDING SOURCE(S)										TOTAL FUNDED		\$ 5,601,316	
Revenue Bonds Issued												\$ 1,391,316	
Commercial Paper												4,210,000	
STRIP MAP										UNFUNDED		\$ 6,000,000	
Various locations.										PROJECT TOTAL		\$ 11,601,316	
PROJECT SCHEDULE										START	FINISH		
Design													
Land/Right-of-Way													
Construction													
Finish Out													
Other													
TOTAL SCHEDULE										(Ongoing	Project)		

PAGE NO: W02		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All		
DEPARTMENT WATER		PROJECT TITLE DISTRIBUTION LINES (UP TO 14-INCH)				PROJECT NO(S). 30191		ACCOUNT NO(S). 220-4049-3019100		
PROJECT DESCRIPTION The replacement of water distribution lines that have deteriorated to substandard conditions includes the costs for labor, materials, outside contractors, and engineered drawings. Distribution lines to be replaced as part of the 2017 CIP include Profit Drive and Lavon Highway from First Street to Rosewood Hills Drive, Syracuse Drive from Vanderbilt Drive to end, Justice Drive from Plano Road to Yale Drive, Glenbrook Drive from Kingsley Road to Carroll Drive, Ridgedale Drive from Kingsley Road to Kenwood Drive, and Intrepid Drive from Spindrift Passage to Windward Drive.						FUNDING SOURCE(S) Commercial Paper \$ 8,110,996 TOTAL FUNDED \$ 8,110,996 UNFUNDED \$ 12,300,000 PROJECT TOTAL \$ 20,410,996				
						IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	
Design		500	300						800	
Land/Right-of-Way										
Construction		3,761	3,550	3,300	3,000	3,000	3,000		19,611	
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS		4,261	3,850	3,300	3,000	3,000	3,000		20,411	
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper		4,911	3,200						8,111	
Certificates of Obligation										
Other										
Unfunded				3,300	3,000	3,000	3,000		12,300	
TOTAL SOURCES		4,911	3,200	3,300	3,000	3,000	3,000		20,411	
						PROJECT SCHEDULE		START	FINISH	
						Design				
						Land/Right-of-Way				
						Construction				
						Finish Out				
						Other				
						TOTAL SCHEDULE		(Ongoing	Project)	

STRIP MAP

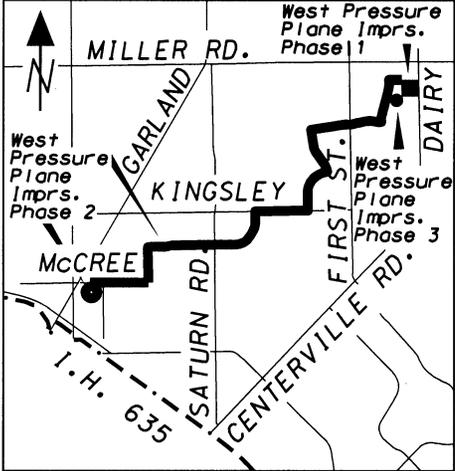
Various locations.

PAGE NO: W03		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT WATER		PROJECT TITLE RELOCATION OF MAINS PRIOR TO PAVING						PROJECT NO(S). 30192	ACCOUNT NO(S). 227-4049-3019200 220-4049-3019200		
PROJECT DESCRIPTION											
<p>The relocation of water mains prior to paving are necessary to maintain adequate water service, avoid utility conflicts, and upgrade the water distribution system and includes the costs of labor, materials, outside contractors, and engineered drawings. The proposed water lines to be relocated in 2017 in conjunction with Street Department projects are Fifth Street from Delano Drive to Miller; Fifth Street from Kingsley to Ridgedale Drive; Parkmont Drive project, including Gary Drive, Daniel Drive, and Larry Drive; Shiloh Road from LBJ Freeway to Kingsley Road; Sunnybrook Drive from Westchester Drive to Devonshire Drive; and Brand Road from State Highway 190 to Muirfield Road.</p>											
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION							
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____				New lines will have a favorable impact on the Operating Budget by reducing maintenance on replaced water mains.							
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Design		500	500						1,000		
Land/Right-of-Way											
Construction		3,550	3,103	4,200	3,200	3,000	3,000		20,053		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		4,050	3,603	4,200	3,200	3,000	3,000		21,053		
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper		7,653							7,653		
Certificates of Obligation											
Other											
Unfunded				4,200	3,200	3,000	3,000		13,400		
TOTAL SOURCES		7,653		4,200	3,200	3,000	3,000		21,053		
		STRIP MAP							Various locations.		
		PROJECT SCHEDULE						START	FINISH		
		Design									
		Land/Right-of-Way									
		Construction									
		Finish Out									
		Other									
		TOTAL SCHEDULE						(Ongoing	Project)		

PAGE NO: W05		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All			
DEPARTMENT WATER				PROJECT TITLE WATER PUMP STATION REHAB					PROJECT NO(S) 30197		ACCOUNT NO(S) 227-4049-30197XX 220-4049-30197XX	
PROJECT DESCRIPTION This request provides Capital Improvement funds for multiple pump stations. The objective is to enhance reliability and security features as well as extend the useful life of water pumping station infrastructure through time-phased replacement of equipment to maintain expected service levels and continually meet water quality requirements and standby emergency electrical power needs. The following locations and items will benefit: Wallace Pump Station (new emergency generator), Lavon Pump Station (enhanced security fence), Lawler Water Tower (enhanced security fence), Commerce Water Tower (floor slab movement correction), Apollo Pump Station (rehabilitation of Pump #1 and Pump #6).									FUNDING SOURCE(S) Revenue Bonds Issued \$ 1,687,241 Commercial Paper 2,548,000 TOTAL FUNDED \$ 4,235,241 UNFUNDED \$ 1,400,000 PROJECT TOTAL \$ 5,635,241			
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions Operations Capital Total				IMPACT EXPLANATION Favorable impact on the Operating Budget due to less power consumption resulting from more efficient pumps and motors, and decreased water main flushing.					STRIP MAP Various locations.			
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Design		100	100	100				300				
Land/Right-of-Way												
Construction	2,047	2,088	500	300	200	200		5,335				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	2,047	2,188	600	400	200	200		5,635				
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Current Funds												
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH	
GO's Unissued									Design			
RB's/Com Paper	3,835	400						4,235	Land/Right-of-Way			
Certificates of Obligation									Construction			
Other									Finish Out			
Unfunded			600	400	200	200		1,400	Other			
TOTAL SOURCES	3,835	400	600	400	200	200		5,635	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: W09		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All				
DEPARTMENT WATER		PROJECT TITLE WATER DISTRIBUTION LINE REPLACEMENT							PROJECT NO(S). 30208		ACCOUNT NO(S). 227-4049-3020800 220-4049-3020800			
PROJECT DESCRIPTION														
<p>This project provides for the installation of short sections of new water mains, 6-inch diameter or larger, for repair purposes. Projects for the 2017 CIP are Cortez Drive from Kingsley Road to Flores Drive, Flores Drive from Cortez Drive to Belita Drive, La Jolla Drive from Intervale Drive to Birchwood Drive, Mayfield Drive from Saturn Road to Lexington Drive, Morningside Drive from Miller Road to Lakemere Drive, Maple Glen Drive from Tacoma Drive to Boca Raton Drive, and Boca Raton Drive from Maple Glen Drive to Tacoma Drive.</p>												FUNDING SOURCE(S) Revenue Bonds Issued \$ 503,231 Commercial Paper 1,250,000 TOTAL FUNDED \$ 1,753,231 UNFUNDED \$ 3,000,000 PROJECT TOTAL \$ 4,753,231		
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION										
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				Replacing water lines will have a positive impact on the Operating Budget by reducing maintenance costs and water loss.										
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	STRIP MAP Various locations.					
Design														
Land/Right-of-Way														
Construction	741	1,012	750	750	750	750		4,753						
Landscaping														
Equip. & Furnish.														
Other														
TOTAL COSTS	741	1,012	750	750	750	750		4,753						
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total						
Current Funds														
GO's/Com Paper Issued														
GO's Unissued														
RB's/Com Paper	1,253	500						1,753						
Certificates of Obligation														
Other														
Unfunded			750	750	750	750		3,000						
TOTAL SOURCES	1,253	500	750	750	750	750		4,753						
									PROJECT SCHEDULE	START	FINISH			
									Design					
									Land/Right-of-Way					
									Construction					
									Finish Out					
									Other					
									TOTAL SCHEDULE	(Ongoing	Project)			

PAGE NO: W10		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT WATER		PROJECT TITLE RADIO READ WATER METER RETROFIT					PROJECT NO(S). 30213		ACCOUNT NO(S). 227-4049-3021300 220-4049-3021300			
PROJECT DESCRIPTION										FUNDING SOURCE(S)		
<p>This project is for phased replacements and upgrades to existing radio read water meters. There are over 68,000 active water meters being read on a monthly basis by the Customer Service Department, and these meters with radio read end-point devices were installed starting in 2005 with a multi-year project ending in 2011. In 2017, the Water Department plans to change out approximately 2,500 meters using an outside contractor to upgrade the remaining end-point devices that are no longer functioning to the current standard.</p>										Revenue Bonds Issued		\$ 565,839
										Commercial Paper		1,200,000
										TOTAL FUNDED		\$ 1,765,839
										UNFUNDED		\$ 2,000,000
										PROJECT TOTAL		\$ 3,765,839
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION							STRIP MAP Various locations.		
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____			Minor impact on the Operating Budget due to increased maintenance for radio read water meters.									
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Design												
Land/Right-of-Way												
Construction	1,020	746	500	500	500	500		3,766				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	1,020	746	500	500	500	500		3,766				
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds									Design			
GO's/Com Paper Issued									Land/Right-of-Way			
GO's Unissued									Construction			
RB's/Com Paper	1,066	700						1,766	Finish Out			
Certificates of Obligation									Other			
Other												
Unfunded			500	500	500	500		2,000				
TOTAL SOURCES	1,066	700	500	500	500	500		3,766	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: W12		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT WATER		PROJECT TITLE WEST PRESSURE PLANE IMPROVEMENTS				PROJECT NO(S) 30222		ACCOUNT NO(S) 227-4049-3022200 220-4049-3022200			
PROJECT DESCRIPTION		IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION					
<p>This project incorporates a phased approach to add capacity and reliability to the West Pressure Plane of our Water Distribution System. Phase 1 is complete and included the expansion and rehabilitation of Wallace Pump Station and construction of a new 24-inch transmission line. Phase 2 for construction of the McCree Road 2.5-million-gallon elevated storage tank is currently underway in the southwest portion of Garland. It is located on the southwest corner of McCree Road and Leon Road.</p>		<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____		Minimal impact due to offsetting pumping costs by reducing pumping from Apollo and Northside Pump Stations.				FUNDING SOURCE(S) Revenue Bonds Issued \$ 8,363,650 Commercial Paper 4,300,000 Current Funds 1,460,000 TOTAL FUNDED \$ 14,123,650 UNFUNDED \$ 550,000 PROJECT TOTAL \$ 14,673,650			
								STRIP MAP 			
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Design		50	50					100			
Land/Right-of-Way											
Construction	12,464	1,610	500					14,574			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	12,464	1,660	550					14,674			
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Current Funds		1,460						1,460			
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper	12,464	200						12,664			
Certificates of Obligation											
Other											
Unfunded			550					550			
TOTAL SOURCES	12,464	1,660	550					14,674			
									PROJECT SCHEDULE		
									START		
									FINISH		
									Design	7/2010	6/2018
									Land/Right-of-Way	1/2012	12/2015
									Construction	6/2012	6/2018
									Finish Out		
									Other		
									TOTAL SCHEDULE	7/2010	6/2018

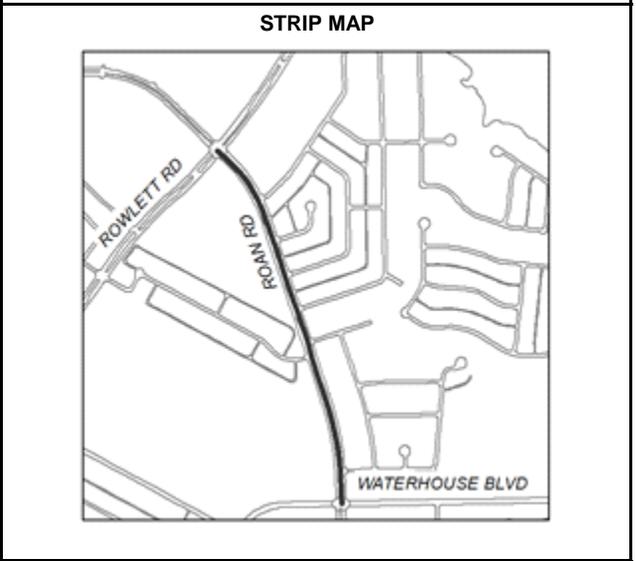
DEPARTMENT WATER	PROJECT TITLE ROAN ROAD WATER TRANSMISSION MAIN	PROJECT NO(S). 30235	ACCOUNT NO(S). 220-4049-3023500
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PROJECT DESCRIPTION
 This project is for the installation of a 16-inch water line along Roan Road from Rowlett Road to Waterhouse Drive. Currently, the 16-inch water line on Roan Road ends at Rowlett Road and then begins again at Waterhouse Drive. Installing this section of 16-inch water line will increase the water volume available for the I.H. 30 catalyst area.

FUNDING SOURCE(S)

Commercial Paper	\$ 400,000
<hr/>	
TOTAL FUNDED	\$ 400,000
UNFUNDED	\$ 1,600,000
<hr/>	
PROJECT TOTAL	\$ 2,000,000

IMPACT ON OPERATING BUDGET	IMPACT EXPLANATION
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____	Minimal impact due to the addition of new water line.



*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Design		400						400
Land/Right-of-Way			1,600					1,600
Construction								
Landscaping								
Equip. & Furnish.								
Other								
TOTAL COSTS		400	1,600					2,000
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Current Funds								
GO's/Com Paper Issued								
GO's Unissued								
RB's/Com Paper		400						400
Certificates of Obligation								
Other								
Unfunded			1,600					1,600
TOTAL SOURCES		400	1,600					2,000

PROJECT SCHEDULE	START	FINISH
Design	4/2017	12/2017
Land/Right-of-Way		
Construction	4/2018	12/2018
Finish Out		
Other		
TOTAL SCHEDULE	4/2017	12/2018

PAGE NO: W14	<i>New Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All						
DEPARTMENT WATER		PROJECT TITLE WATER QUALITY ASSURANCE						PROJECT NO(S). 30236	ACCOUNT NO(S). 220-4049-30236XX						
PROJECT DESCRIPTION This project provides Capital Improvement funds for needed water system infrastructure enhancements to meet water quality assurance requirements. The following system enhancements are planned: Water Tower and Water Ground Storage Tank Mixing Systems; Water Chlorination Boosting Systems; and Automated System Flushing Units.								FUNDING SOURCE(S) Commercial Paper \$ 400,000							
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____		IMPACT EXPLANATION Favorable impact due to less labor expended to flush fire hydrants to increase water quality and better water conservation through less flushing.						<table> <tr> <td>TOTAL FUNDED</td> <td>\$ 400,000</td> </tr> <tr> <td>UNFUNDED</td> <td>\$ 0</td> </tr> <tr> <td>PROJECT TOTAL</td> <td>\$ 400,000</td> </tr> </table>		TOTAL FUNDED	\$ 400,000	UNFUNDED	\$ 0	PROJECT TOTAL	\$ 400,000
TOTAL FUNDED	\$ 400,000														
UNFUNDED	\$ 0														
PROJECT TOTAL	\$ 400,000														
								STRIP MAP Various locations.							
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total							
Design		80						80							
Land/Right-of-Way															
Construction		320						320							
Landscaping															
Equip. & Furnish.															
Other															
TOTAL COSTS		400						400							
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total							
Current Funds															
GO's/Com Paper Issued															
GO's Unissued															
RB's/Com Paper		400						400							
Certificates of Obligation															
Other															
Unfunded															
TOTAL SOURCES		400						400							
								PROJECT SCHEDULE	START	FINISH					
								Design							
								Land/Right-of-Way							
								Construction	3/2017	12/2017					
								Finish Out							
								Other							
								TOTAL SCHEDULE	3/2017	12/2017					

Unapproved Submitted Projects

WASTEWATER DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
<u>Wastewater Collection</u>											
32124	Infiltration Correction - Various	WW01	CF/RB/INT/UNF	\$570	\$1,837	\$750	\$700	\$700	\$700	\$0	\$5,257
32147	Sewer Collection Mains - Manholes	WW02	RB/INT/UNF	201	644	500	400	400	400	0	2,545
32148	Sanitary Sewer Taps - New or Relocations	WW03	RB/INT/UNF	116	80	80	80	80	80	0	516
32149	Collection Mains	WW04	RB/INT/UNF	4,618	1,973	1,380	1,380	1,380	1,380	0	12,111
32151	Sewer Lift Station Rehab	WW05	RB/INT/UNF	263	537	100	100	100	100	0	1,200
32154	Cured-in-Place Pipe Main & Lateral Rehab	WW06	CF/RB/UNF	2,169	1,000	1,000	1,000	1,000	1,000	0	7,169
32157	Relocation of Mains Prior to Paving	WW07	RB/INT/UNF	1,090	2,700	2,100	1,900	1,500	770	0	10,060
32161	Rowl-I - Campbell to Shiloh	WW08	RB/CO/INT/UNF	43	507	450	3,501	2,420	0	0	6,921
32174	Lift Station Abandonment	WW09	RB/INT/UNF	2,312	669	100	0	0	0	0	3,081
32180	Long Branch-II WW Main Realignment	WW10	RB	43	100	0	0	0	0	0	143
32181	Duck Creek Greenbelt Trail Extension	WW11	CF/RB	56	1,024	410	0	0	0	0	1,490
32183	Duck Creek Interceptor Rehab	WW12	RB/INT/UNF	325	32	20	20	220	220	1,240	2,077
32184	Rowlett Interceptor Rehab	WW13	RB/INT/UNF	1,564	818	825	950	1,100	1,100	1,150	7,507
32187	S.H. 190 Catalyst Area	WW14	RB/UNF	150	0	450	400	0	0	0	1,000
<u>Wastewater Treatment</u>											
33028	Rowlett Creek WWTP Processes Improvements	WW15	RB/UNF	2,607	826	1,700	1,745	2,074	1,941	50,000	60,893
33029	Rowlett Creek WWTP Replacements/Mods.	WW16	CF/RB/UNF	2,264	2,721	1,500	1,812	761	2,746	700	12,504
34027	Duck Creek WWTP Replacements/Mods.	WW17	CF/RB/INT/UNF	513	1,979	1,516	1,798	1,200	1,200	1,200	9,406
34035	Rowlett Creek WWTP Biosolids Expansion	WW18	CF/RB/CO/UNF	8,464	18,750	300	300	300	300	8,000	36,414
34038	Duck Creek WWTP Processes Improvements	WW19	CF/RB/CO/UNF	1,200	7,034	1,770	1,591	2,748	2,958	50,000	67,301
33031	* Rowlett Creek Operations Center Renovations	WW20	RB/UNF	0	2,500	5,200	0	0	0	0	7,700
Total				\$28,568	\$45,731	\$20,151	\$17,677	\$15,983	\$14,895	\$112,290	\$255,295
Total Existing CO's/RB's/Current Funds/Interest				\$28,568	\$31,571	\$880	\$991	\$40	\$0	\$0	\$62,050
Total 2017 Revenue Bonds/Commerical Paper				0	14,160	0	0	0	0	0	14,160
Unfunded				0	0	19,271	16,686	15,943	14,895	112,290	179,085
Total				\$28,568	\$45,731	\$20,151	\$17,677	\$15,983	\$14,895	\$112,290	\$255,295

*Project funded for the first time

WASTEWATER DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
UNAPPROVED PROJECTS

PROJ. NO.	Project Description	Page	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
	<u>Wastewater Collection</u>									
32186	Walnut-I	WW21	\$0	\$0	\$250	\$200	\$200	\$150	\$3,500	\$4,300
	<u>Wastewater Treatment</u>									
33030	Rowlett Creek Maintenance Center Renovations	WW22	0	0	0	800	3,500	0	0	4,300
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$250</u>	<u>\$1,000</u>	<u>\$3,700</u>	<u>\$150</u>	<u>\$3,500</u>	<u>\$8,600</u>

WASTEWATER DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
<u>Wastewater Collection</u>										
32124	Infiltration Correction - Various	WW01	Appr.	\$200	\$750	\$700	\$700	\$700	\$0	\$3,050
32147	Sewer Collection Mains - Manholes	WW02	Appr.	0	500	400	400	400	0	1,700
32148	Sanitary Sewer Taps - New or Relocations	WW03	Appr.	80	80	80	80	80	0	400
32149	Collection Mains	WW04	Appr.	1,445	1,380	1,380	1,380	1,380	0	6,965
32151	Sewer Lift Station Rehab	WW05	Appr.	50	100	100	100	100	0	450
32154	Cured-in-Place Pipe Main & Lateral Rehab	WW06	Appr.	1,000	1,000	1,000	1,000	1,000	0	5,000
32157	Relocation of Mains Prior to Paving	WW07	Appr.	1,100	2,100	1,900	1,500	770	0	7,370
32161	Rowl-I - Campbell to Shiloh	WW08	Appr.	0	0	2,530	2,420	0	0	4,950
32174	Lift Station Abandonment	WW09	Appr.	0	100	0	0	0	0	100
32183	Duck Creek Interceptor Rehab	WW12	Appr.	0	0	0	180	220	1,240	1,640
32184	Rowlett Interceptor Rehab	WW13	Appr.	735	825	950	1,100	1,100	1,150	5,860
32187	S.H. 190 Catalyst Area	WW14	Appr.	0	450	400	0	0	0	850
32186	Walnut-I	WW21	Unappr.	0	250	200	200	150	3,500	4,300
<u>Wastewater Treatment</u>										
33028	Rowlett Creek WWTP Processes Improvements	WW15	Appr.	170	1,700	1,745	2,074	1,941	50,000	57,630
33029	Rowlett Creek WWTP Replacements/Mods.	WW16	Appr.	1,750	1,500	1,812	761	2,746	700	9,269
34027	Duck Creek WWTP Replacements/Mods.	WW17	Appr.	265	1,516	1,798	1,200	1,200	1,200	7,179
34035	Rowlett Creek WWTP Biosolids Expansion	WW18	Appr.	0	300	300	300	300	8,000	9,200
34038	Duck Creek WWTP Processes Improvements	WW19	Appr.	4,865	1,770	1,591	2,748	2,958	50,000	63,932
33031	Rowlett Creek Operations Center Renovations	WW20	Appr.	2,500	5,200	0	0	0	0	7,700
33030	Rowlett Creek Maintenance Center Renovations	WW22	Unappr.	0	0	800	3,500	0	0	4,300
Total				<u>\$14,160</u>	<u>\$19,521</u>	<u>\$17,686</u>	<u>\$19,643</u>	<u>\$15,045</u>	<u>\$115,790</u>	<u>\$201,845</u>
Total Approved				\$14,160	\$19,271	\$16,686	\$15,943	\$14,895	\$112,290	\$193,245
Total Unapproved				<u>0</u>	<u>250</u>	<u>1,000</u>	<u>3,700</u>	<u>150</u>	<u>3,500</u>	<u>8,600</u>
Total				<u>\$14,160</u>	<u>\$19,521</u>	<u>\$17,686</u>	<u>\$19,643</u>	<u>\$15,045</u>	<u>\$115,790</u>	<u>\$201,845</u>

PAGE NO: WW01		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All																
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE INFILTRATION CORRECTION - VARIOUS				PROJECT NO(S). 32124		ACCOUNT NO(S). 237-4149-3212400 235-4149-3212400																
PROJECT DESCRIPTION The purpose of this project is for the correction of major sources of infiltration/inflow into the sanitary sewer collection system. The systematic correction of these sources is an ongoing task. The City's sewer collection system is relatively old and continually in need of revitalization to reduce sources of infiltration/inflow, and replacement of substandard mains is essential for known sources. Two siphons in Duck Creek north of Nickens Road and south of La Prada built in 1966 will be replaced. A Parkmont Drainage project will replace the old clay tile pipe with PVC.						FUNDING SOURCE(S) <table border="0"> <tr> <td>Current Funds</td> <td style="text-align: right;">\$ 703,778</td> </tr> <tr> <td>Revenue Bonds Issued</td> <td style="text-align: right;">127,510</td> </tr> <tr> <td>Interest</td> <td style="text-align: right;">1,375,000</td> </tr> <tr> <td>Commercial Paper</td> <td style="text-align: right;">200,000</td> </tr> <tr> <td>TOTAL FUNDED</td> <td style="text-align: right;">\$ 2,406,288</td> </tr> <tr> <td>UNFUNDED</td> <td style="text-align: right;">\$ 2,850,000</td> </tr> <tr> <td>PROJECT TOTAL</td> <td style="text-align: right;">\$ 5,256,288</td> </tr> </table>					Current Funds	\$ 703,778	Revenue Bonds Issued	127,510	Interest	1,375,000	Commercial Paper	200,000	TOTAL FUNDED	\$ 2,406,288	UNFUNDED	\$ 2,850,000	PROJECT TOTAL	\$ 5,256,288
Current Funds	\$ 703,778																							
Revenue Bonds Issued	127,510																							
Interest	1,375,000																							
Commercial Paper	200,000																							
TOTAL FUNDED	\$ 2,406,288																							
UNFUNDED	\$ 2,850,000																							
PROJECT TOTAL	\$ 5,256,288																							
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		IMPACT EXPLANATION This project will have a positive impact on the Wastewater Treatment budget due to less infiltration/inflow entering the plants.					STRIP MAP Various locations.																	
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																
Design		50	50					100																
Land/Right-of-Way																								
Construction	570	1,787	700	700	700	700		5,157																
Landscaping																								
Equip. & Furnish.																								
Other																								
TOTAL COSTS	570	1,837	750	700	700	700		5,257																
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																
Current Funds	704							704																
GO's/Com Paper Issued																								
GO's Unissued																								
RB's/Com Paper	128	200						328																
Certificates of Obligation																								
Other (Interest)	1,375							1,375																
Unfunded			750	700	700	700		2,850																
TOTAL SOURCES	2,207	200	750	700	700	700		5,257																
								PROJECT SCHEDULE	START	FINISH														
								Design																
								Land/Right-of-Way																
								Construction																
								Finish Out																
								Other																
								TOTAL SCHEDULE	(Ongoing	Project)														

PAGE NO: WW02		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT WASTEWATER COLLECTION			PROJECT TITLE SEWER COLLECTION MAINS - MANHOLES					PROJECT NO(S). 32147	ACCOUNT NO(S). 237-4149-3214700		
PROJECT DESCRIPTION This project provides for the replacement, repair, and/or addition of manholes throughout the city to provide access to the sanitary sewer collection system. Epoxy and other chemical materials will be used to rehabilitate the inside of manholes when cost-effective. Texas BuyBoard pricing will reline 40 manholes identified in the 2017-19 Street Department Reconstruction. Beginning at the Duck Creek Wastewater Treatment Plant, existing concrete manholes on the old 48-inch interceptor will be relined to extend the life of the asset.							FUNDING SOURCE(S)				
							Revenue Bonds Issued	\$	445,106		
							Interest		400,000		
							TOTAL FUNDED	\$	845,106		
							UNFUNDED	\$	1,700,000		
							PROJECT TOTAL	\$	2,545,106		
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION								
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			There is a minor positive impact on the Operating Budget. Replacement of, repair of, or additional manholes provide reduced infiltration/inflow to the collection system when cleaning maintenance is required.								
STRIP MAP											
Various locations.											
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Design											
Land/Right-of-Way											
Construction	201	644	500	400	400	400		2,545			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	201	644	500	400	400	400		2,545			
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Current Funds											
GO's/Com Paper Issued								PROJECT SCHEDULE	START	FINISH	
GO's Unissued								Design			
RB's/Com Paper	445							Land/Right-of-Way			
Certificates of Obligation								Construction			
Other (Interest)	400							Finish Out			
Unfunded			500	400	400	400		Other			
TOTAL SOURCES	845		500	400	400	400		TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: WW03		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All			
CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				PROJECT NO(S). 32148		ACCOUNT NO(S). 237-4149-3214800					
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE SANITARY SEWER TAPS - NEW OR RELOCATIONS						PROJECT NO(S). 32148		ACCOUNT NO(S). 237-4149-3214800	
PROJECT DESCRIPTION This project provides for the installation of new sewer taps for residential, commercial, or industrial users where no tap currently exists. It also provides for the relocation of existing taps where customers are unable to use the existing taps.						FUNDING SOURCE(S) Commercial Paper \$ 80,000 Interest 116,078 TOTAL FUNDED \$ 196,078 UNFUNDED \$ 320,000 PROJECT TOTAL \$ 516,078					
						IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations _____ Capital _____ Total					
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Design											
Land/Right-of-Way											
Construction		116	80	80	80	80	80		516		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		116	80	80	80	80	80		516		
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper			80						80		
Certificates of Obligation											
Other (Interest)		116							116		
Unfunded				80	80	80	80		320		
TOTAL SOURCES		116	80	80	80	80	80		516		
						PROJECT SCHEDULE		START	FINISH		
						Design					
						Land/Right-of-Way					
						Construction					
						Finish Out					
						Other					
						TOTAL SCHEDULE		(Ongoing	Project)		

STRIP MAP

Various locations.

PAGE NO: WW04		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE COLLECTION MAINS					PROJECT NO(S) 32149		ACCOUNT NO(S) 237-4149-3214900 230-4149-3214900			
PROJECT DESCRIPTION		PROJECT DESCRIPTION					FUNDING SOURCE(S)					
<p>This project provides replacement of substandard sanitary sewer mains which have deteriorated beyond repair. This includes the installation or expansion of existing sewer collection mains. Costs include labor, materials, outside contractors, engineering design, and all other expenses associated with sanitary sewer main installation/replacement. Identified projects include Profit/Lavon, parallel interceptor under I.H. 30, and Glenbrook/Ridgedale joint construction with Water and Stormwater. There is engineering design for new pipe from Miller to Glenbrook that will bore under Garland Avenue and the railroad track as well as engineering design to re-route in Ballinger and Bonita and to construct in the street with a new water line.</p>		<p>This project provides replacement of substandard sanitary sewer mains which have deteriorated beyond repair. This includes the installation or expansion of existing sewer collection mains. Costs include labor, materials, outside contractors, engineering design, and all other expenses associated with sanitary sewer main installation/replacement. Identified projects include Profit/Lavon, parallel interceptor under I.H. 30, and Glenbrook/Ridgedale joint construction with Water and Stormwater. There is engineering design for new pipe from Miller to Glenbrook that will bore under Garland Avenue and the railroad track as well as engineering design to re-route in Ballinger and Bonita and to construct in the street with a new water line.</p>					Revenue Bonds Issued		\$ 2,085,954			
							Commercial Paper		2,525,000			
							Interest		1,980,000			
							TOTAL FUNDED		<u>\$ 6,590,954</u>			
							UNFUNDED		<u>\$ 5,520,000</u>			
							PROJECT TOTAL		<u>\$ 12,110,954</u>			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION					STRIP MAP					
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		This project will have a minor positive impact on the Operating Budget. Replacement of deteriorated sewer lines will reduce the number of repeat service calls to an affected area.					Various locations.					
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Design		170						170				
Land/Right-of-Way												
Construction	4,618	1,803	1,380	1,380	1,380	1,380		11,941				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	4,618	1,973	1,380	1,380	1,380	1,380		12,111				
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Current Funds												
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH	
GO's Unissued									Design			
RB's/Com Paper	3,166	1,445						4,611	Land/Right-of-Way			
Certificates of Obligation									Construction			
Other (Interest)	1,980							1,980	Finish Out			
Unfunded			1,380	1,380	1,380	1,380		5,520	Other			
TOTAL SOURCES	5,146	1,445	1,380	1,380	1,380	1,380		12,111	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: WW05		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All				
DEPARTMENT WASTEWATER COLLECTION			PROJECT TITLE SEWER LIFT STATION REHAB					PROJECT NO(S). 32151		ACCOUNT NO(S). 237-4149-3215100				
PROJECT DESCRIPTION										FUNDING SOURCE(S)				
The objective of this project is to enhance the reliability and extend the useful life of sewer lift station infrastructure through time-phased replacement to maintain useful service levels.										Revenue Bonds Issued		\$	104,918	
										Interest			645,000	
										Commercial Paper			50,000	
										TOTAL FUNDED		\$	799,918	
										UNFUNDED		\$	400,000	
										PROJECT TOTAL		\$	1,199,918	
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION					STRIP MAP						
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			The annual time-phased replacement of infrastructure will provide for the continuous improvement of the overall reliability and operating efficiency of the sewer lift station systems.					Various locations.						
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total						
Design		50						50						
Land/Right-of-Way														
Construction	263	487	100	100	100	100		1,150						
Landscaping														
Equip. & Furnish.														
Other														
TOTAL COSTS	263	537	100	100	100	100		1,200						
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	PROJECT SCHEDULE	START	FINISH			
Current Funds									Design					
GO's/Com Paper Issued									Land/Right-of-Way					
GO's Unissued									Construction					
RB's/Com Paper	105	50						155	Finish Out					
Certificates of Obligation									Other					
Other (Interest)	645							645						
Unfunded			100	100	100	100		400						
TOTAL SOURCES	750	50	100	100	100	100		1,200	TOTAL SCHEDULE	(Ongoing	Project)			

PAGE NO: WW06		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All					
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE CURED-IN-PLACE PIPE MAIN & LATERAL REHAB						PROJECT NO(S). 32154		ACCOUNT NO(S). 230-4149-3215400 237-4149-3215400			
PROJECT DESCRIPTION This project allows for the rehabilitation of both City mainline and lateral lines for pipe sizes from 6-inch up to 30-inch diameter. The process differs from other methods of repair since it is "no dig" construction. Relining sewer pipes improves flow characteristics which reduces stoppages and manhole overflows. Reduction of sanitary sewer overflows (SSOs) is required by State and Federal regulations. Twenty (20) eligible streets and alleys are to be relined as part of the 2017-19 Street Department Reconstruction project.							FUNDING SOURCE(S)						
							Current Funds		\$ 68,807				
							Revenue Bonds Issued		700,000				
							Commercial Paper		2,400,000				
							TOTAL FUNDED		<u>\$ 3,168,807</u>				
							UNFUNDED		<u>\$ 4,000,000</u>				
							PROJECT TOTAL		<u>\$ 7,168,807</u>				
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION										
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			This project will have a positive impact on both Wastewater Treatment Plants and sanitary sewer collection mains. By reducing infiltration/inflow volume, there is rainwater to be treated. There is reduced maintenance since existing sewer pipe becomes new pipe.										
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Design													
Land/Right-of-Way													
Construction		2,169	1,000	1,000	1,000	1,000	1,000		7,169				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		2,169	1,000	1,000	1,000	1,000	1,000		7,169				
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Current Funds		69							69				
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper		2,100	1,000						3,100				
Certificates of Obligation													
Other													
Unfunded				1,000	1,000	1,000	1,000		4,000				
TOTAL SOURCES		2,169	1,000	1,000	1,000	1,000	1,000		7,169				
							STRIP MAP		Various locations.				
							PROJECT SCHEDULE		START		FINISH		
							Design						
							Land/Right-of-Way						
							Construction						
							Finish Out						
							Other						
							TOTAL SCHEDULE		(Ongoing		Project)		

PAGE NO: WW07	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All				
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE RELOCATION OF MAINS PRIOR TO PAVING						PROJECT NO(S). 32157	ACCOUNT NO(S). 237-4149-3215700 230-4149-3215700				
PROJECT DESCRIPTION													
<p>This project for the 2017-19 Street Department reconstruction of streets and alleys requires design and replacement of substandard sanitary sewer collection mains prior to paving streets or alleys. Replacement is necessary to maintain reliable service, avoid utility conflicts, and allow systematic upgrading to the existing sanitary sewer collection system. This project includes funding for wastewater mains and improvements in Shiloh Road from I.H. 635 to Kingsley. To avoid potential elevation conflicts with water or stormwater pipes, engineering designs for 39 streets and alleys are necessary to comply with the most current TCEQ construction standards.</p>											FUNDING SOURCE(S) Commercial Paper \$ 3,358,000 Interest 432,233 TOTAL FUNDED <u>\$ 3,790,233</u> UNFUNDED <u>\$ 6,270,000</u> PROJECT TOTAL <u><u>\$ 10,060,233</u></u>		
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION										
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			This project will have a positive impact on the Operating Budget due to reduced maintenance on the new lines.										
STRIP MAP													
Various locations.													
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Design		800	600	400				1,800					
Land/Right-of-Way													
Construction	1,090	1,900	1,500	1,500	1,500	770		8,260					
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS	1,090	2,700	2,100	1,900	1,500	770		10,060					
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total					
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper	2,258	1,100						3,358					
Certificates of Obligation													
Other (Interest)	432							432					
Unfunded			2,100	1,900	1,500	770		6,270					
TOTAL SOURCES	2,690	1,100	2,100	1,900	1,500	770		10,060					
								PROJECT SCHEDULE	START	FINISH			
								Design					
								Land/Right-of-Way					
								Construction					
								Finish Out					
								Other					
								TOTAL SCHEDULE	(Ongoing	Project)			

PAGE NO: WW08		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 1	
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE ROWL-I - CAMPBELL TO SHILOH				PROJECT NO(S) 32161		ACCOUNT NO(S) 237-4149-3216100 230-4149-3216100	
PROJECT DESCRIPTION This project identifies pipe restrictions and increases the capacity from residential neighborhoods to expand the size of interceptor pipelines. This project was identified in the 2008 "Wastewater Management Plan." A section of the project in the Camelot Addition from Round Rock to Campbell Road will pipe-burst the cast iron sewer line currently bordering ponds and under earthen berms. Additional manholes in the new gravity sewer line allows access for any future maintenance. Using High Density Polyethylene (HDPE) pipe substantially improves the reliability, flow characteristics, and future maintenance access.						FUNDING SOURCE(S) Revenue Bonds Issued \$ 430,754 Certificates of Oblig. Issued 270,000 Commercial Paper 350,000 Interest 920,000 TOTAL FUNDED \$ 1,970,754 UNFUNDED \$ 4,950,000 PROJECT TOTAL \$ 6,920,754			
						IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Design		43	57	450					550
Land/Right-of-Way									
Construction			450		3,501	2,420			6,371
Landscaping									
Equip. & Furnish.									
Other									
TOTAL COSTS		43	507	450	3,501	2,420			6,921
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total
Current Funds									
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper		781							781
Certificates of Obligation		270							270
Other (Interest)		920							920
Unfunded					2,530	2,420			4,950
TOTAL SOURCES		1,971			2,530	2,420			6,921
		PROJECT SCHEDULE		START		FINISH			
		Design		3/2014		12/2018			
		Land/Right-of-Way							
		Construction		3/2017		11/2020			
		Finish Out							
		Other							
		TOTAL SCHEDULE		3/2014		11/2020			

STRIP MAP

PAGE NO: WW12		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) 4				
DEPARTMENT WASTEWATER COLLECTION				PROJECT TITLE DUCK CREEK INTERCEPTOR REHAB				PROJECT NO(S) 32183		ACCOUNT NO(S) 237-4149-3218300			
PROJECT DESCRIPTION													
<p>A comprehensive engineering study of old 48-inch concrete pipe by CCTV, sonar, and laser technology identified defects in manholes and pipe. This project will coordinate the rehabilitation of existing manholes of the interceptor to the Duck Creek Wastewater Treatment Plant. A proactive rehabilitation plan over several years will restore the interceptor and extend the useful life of this asset. Beginning at the Duck Creek Wastewater Treatment Plant, existing concrete manholes will be relined to extend the useful life of the asset.</p>													
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION									
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				A failure of the pipe would have significant environmental impact. This project will have a positive impact by reducing the inflow/infiltration of rainwater into the Duck Creek WWTP.									
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Design													
Land/Right-of-Way													
Construction			20	20	20	220	220	1,240	1,740				
Landscaping													
Equip. & Furnish.													
Other		325	12						337				
TOTAL COSTS		325	32	20	20	220	220	1,240	2,077				
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper		337							337				
Certificates of Obligation													
Other (Interest)		20		20	20	40			100				
Unfunded						180	220	1,240	1,640				
TOTAL SOURCES		357		20	20	220	220	1,240	2,077				
										PROJECT SCHEDULE		START	FINISH
										Design			
										Land/Right-of-Way			
										Construction		3/2017	12/2022
										Finish Out			
										Other		5/2012	1/2017
										TOTAL SCHEDULE		5/2012	12/2022

FUNDING SOURCE(S)			
Revenue Bonds Issued	\$	337,445	
Interest		100,000	
TOTAL FUNDED		\$	437,445
UNFUNDED		\$	1,640,000
PROJECT TOTAL		\$	2,077,445

STRIP MAP

Various locations.

PAGE NO: WW13		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) 1, 2		
DEPARTMENT WASTEWATER COLLECTION			PROJECT TITLE ROWLETT INTERCEPTOR REHAB					PROJECT NO(S). 32184		ACCOUNT NO(S). 237-4149-3218400 230-4149-3218400		
PROJECT DESCRIPTION												
<p>A condition assessment of the 48-inch interceptor from George Bush Tollway to the Rowlett Creek Wastewater Treatment Plant was completed in 2011. Since the pipe was constructed in 1971, hydrogen sulfide gas has deteriorated the concrete pipe and manholes. A proactive rehabilitation plan over several years will restore the interceptor and extend the useful life of this asset. Approximately 1,865 feet of the existing concrete pipe will be relined by the Cured-In-Place Pipe (CIPP) Trenchless process.</p>												
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION									
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			A failure of the pipe would have significant environmental impact. This project will have a positive impact by reducing the inflow/infiltration of rainwater into the Rowlett Creek WWTP.									
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Design												
Land/Right-of-Way												
Construction		1,564	818	825	950	1,100	1,100	1,150	7,507			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		1,564	818	825	950	1,100	1,100	1,150	7,507			
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		810	735						1,545			
Certificates of Obligation												
Other (Interest)		837							837			
Unfunded				825	950	1,100	1,100	1,150	5,125			
TOTAL SOURCES		1,647	735	825	950	1,100	1,100	1,150	7,507			
STRIP MAP										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction	12/2012	12/2022
										Finish Out		
										Other		
TOTAL SCHEDULE											12/2012	12/2022

PAGE NO: WW15	<i>Continuing Project</i>	CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 2												
DEPARTMENT WASTEWATER TREATMENT		PROJECT TITLE ROWLETT CREEK WWTP PROCESSES IMPRVMTS.						PROJECT NO(S). 33028		ACCOUNT NO(S). 230-4229-33028XX											
PROJECT DESCRIPTION																					
This project provides for improvements to monitoring control systems (SCADA), odor control, plant structures, and, beginning in 2021, a reduction in nutrient discharges as mandated by the EPA/TCEQ.																					
<p>FUNDING SOURCE(S)</p> <table border="0"> <tr> <td>Revenue Bonds Issued</td> <td>\$ 2,013,357</td> </tr> <tr> <td>Commercial Paper</td> <td>1,420,000</td> </tr> <tr> <td>TOTAL FUNDED</td> <td>\$ 3,433,357</td> </tr> <tr> <td>UNFUNDED</td> <td>\$ 57,460,000</td> </tr> <tr> <td>PROJECT TOTAL</td> <td>\$ 60,893,357</td> </tr> </table>												Revenue Bonds Issued	\$ 2,013,357	Commercial Paper	1,420,000	TOTAL FUNDED	\$ 3,433,357	UNFUNDED	\$ 57,460,000	PROJECT TOTAL	\$ 60,893,357
Revenue Bonds Issued	\$ 2,013,357																				
Commercial Paper	1,420,000																				
TOTAL FUNDED	\$ 3,433,357																				
UNFUNDED	\$ 57,460,000																				
PROJECT TOTAL	\$ 60,893,357																				
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION																		
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			Annual Operating Budget cost growth should be limited to inflation only because the proposed improvements should increase the overall reliability, safety, energy conservation, operating efficiency, and maintenance characteristics of the City's existing wastewater treatment infrastructure.																		
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	STRIP MAP												
Design		100	200	200	200	200	50,000	50,900													
Land/Right-of-Way																					
Construction	2,607	576	1,400	1,445	1,774	1,641		9,443													
Landscaping																					
Equip. & Furnish.		150	100	100	100	100		550													
Other																					
TOTAL COSTS	2,607	826	1,700	1,745	2,074	1,941	50,000	60,893													
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total													
Current Funds																					
GO's/Com Paper Issued																					
GO's Unissued																					
RB's/Com Paper	3,263	170						3,433													
Certificates of Obligation																					
Other																					
Unfunded			1,700	1,745	2,074	1,941	50,000	57,460													
TOTAL SOURCES	3,263	170	1,700	1,745	2,074	1,941	50,000	60,893	TOTAL SCHEDULE	(Ongoing	Project)										
									PROJECT SCHEDULE	START	FINISH										
									Design												
									Land/Right-of-Way												
									Construction												
									Finish Out												
									Other												

Unapproved Submitted Projects

ELECTRIC DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/16	2017	2018	2019	2020	2021	2022 to Completion	Project Total
31387	Transmission Lines	E01	RB/INT/UNF	\$8,507	\$29,416	\$34,828	\$16,463	\$28,628	\$32,278	\$0	\$150,120
31223	Communications Upgrades/Improvements	E02	CF/RB/UNF	251	1,688	150	0	600	0	0	2,689
31240	Residential Construction	E03	CF/UNF	346	1,100	1,045	1,097	1,152	1,209	0	5,949
31320	Commercial and Industrial Construction	E04	CF/RB/UNF	1,263	1,857	700	735	772	810	0	6,137
31460	Street and Thoroughfare Lighting	E05	CF/UNF	1,808	3,780	2,136	2,517	2,556	3,525	0	16,322
31491	Relocation of Facilities	E06	CF/UNF	1,190	1,665	900	945	993	1,041	0	6,734
31532	Distribution Lines - Overhead	E07	CF/UNF	2,315	3,622	3,440	3,612	3,792	3,982	0	20,763
31551	Production	E08	CF	485	2,517	0	0	0	0	0	3,002
31624	Distribution Lines - Underground	E09	CF/RB/UNF	4,401	7,068	6,734	6,895	7,066	7,244	0	39,408
31717	Substations Upgrades	E10	RB/UNF	13,566	20,196	26,655	7,180	8,290	11,210	0	87,097
31875	Various Improvements	E11	CF/RB/UNF	1,420	939	68	0	0	0	0	2,427
31424	Limestone to Gibbons Creek Transmission Line	E12	RB/UNF	24,327	82,759	13,249	0	0	0	0	120,335
Total				<u>\$59,879</u>	<u>\$156,607</u>	<u>\$89,905</u>	<u>\$39,444</u>	<u>\$53,849</u>	<u>\$61,299</u>	<u>\$0</u>	<u>\$460,983</u>
Total Existing CO's/RB's/Current Funds/Interest				\$59,879	\$38,503	\$0	\$0	\$0	\$0	\$0	\$98,382
Total 2017 Revenue Bonds/Commerical Paper Unfunded				0	118,104	0	0	0	0	0	118,104
				<u>0</u>	<u>0</u>	<u>89,905</u>	<u>39,444</u>	<u>53,849</u>	<u>61,299</u>	<u>0</u>	<u>244,497</u>
Total				<u>\$59,879</u>	<u>\$156,607</u>	<u>\$89,905</u>	<u>\$39,444</u>	<u>\$53,849</u>	<u>\$61,299</u>	<u>\$0</u>	<u>\$460,983</u>

Note: Projects constructed on behalf of and reimbursed by the Texas Municipal Power Agency (TMPA) are not included in the Electric Capital Improvement Program.

ELECTRIC DETAIL PROJECT SUMMARY
(Calendar Year 2017)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2017	2018	2019	2020	2021	2022 to Completion	Project Total
31387	Transmission Lines	E01	Appr.	\$24,811	\$34,828	\$16,463	\$28,628	\$32,278	\$0	\$137,008
31223	Communications Upgrades/Improvements	E02	Appr.	50	150	0	600	0	0	800
31240	Residential Construction	E03	Appr.	0	1,045	1,097	1,152	1,209	0	4,503
31320	Commercial and Industrial Construction	E04	Appr.	1,857	700	735	772	810	0	4,874
31460	Street and Thoroughfare Lighting	E05	Appr.	0	2,136	2,517	2,556	3,525	0	10,734
31491	Relocation of Facilities	E06	Appr.	0	900	945	993	1,041	0	3,879
31532	Distribution Lines - Overhead	E07	Appr.	1,931	3,440	3,612	3,792	3,982	0	16,757
31624	Distribution Lines - Underground	E09	Appr.	5,185	6,734	6,895	7,066	7,244	0	33,124
31717	Substations Upgrades	E10	Appr.	16,017	26,655	7,180	8,290	11,210	0	69,352
31885	Various Improvements	E11	Appr.	110	68	0	0	0	0	178
31424	Limestone to Gibbons Creek Transmission Line	E12	Appr.	68,143	13,249	0	0	0	0	81,392
	Total			<u>\$118,104</u>	<u>\$89,905</u>	<u>\$39,444</u>	<u>\$53,849</u>	<u>\$61,299</u>	<u>\$0</u>	<u>\$362,601</u>
	Total Approved			\$118,104	\$89,905	\$39,444	\$53,849	\$61,299	\$0	\$362,601
	Total Unapproved			0	0	0	0	0	0	0
	Total			<u>\$118,104</u>	<u>\$89,905</u>	<u>\$39,444</u>	<u>\$53,849</u>	<u>\$61,299</u>	<u>\$0</u>	<u>\$362,601</u>

PAGE NO: E03		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All															
DEPARTMENT ELECTRIC				PROJECT TITLE RESIDENTIAL CONSTRUCTION					PROJECT NO(S). 31240	ACCOUNT NO(S). 215-3291-3124001														
PROJECT DESCRIPTION																								
The Residential Construction Program provides for the construction of new residential facilities and the replacement of overhead and underground residential services due to system aging and failures. This program also includes the installation of new ERT Meters.																								
<p>FUNDING SOURCE(S)</p> <table border="0"> <tr> <td>Current Funds</td> <td>\$</td> <td>345,665</td> </tr> <tr> <td>Cash Transfer - GPL</td> <td></td> <td>1,100,000</td> </tr> <tr> <td>TOTAL FUNDED</td> <td>\$</td> <td>1,445,665</td> </tr> <tr> <td>UNFUNDED</td> <td>\$</td> <td>4,503,000</td> </tr> <tr> <td>PROJECT TOTAL</td> <td>\$</td> <td>5,948,665</td> </tr> </table>										Current Funds	\$	345,665	Cash Transfer - GPL		1,100,000	TOTAL FUNDED	\$	1,445,665	UNFUNDED	\$	4,503,000	PROJECT TOTAL	\$	5,948,665
Current Funds	\$	345,665																						
Cash Transfer - GPL		1,100,000																						
TOTAL FUNDED	\$	1,445,665																						
UNFUNDED	\$	4,503,000																						
PROJECT TOTAL	\$	5,948,665																						
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION																					
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			This is all new construction or replacement associated with residential construction that will require no normal maintenance for some time.																					
STRIP MAP																								
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																
Design	25	30	32	33	35	36		191																
Land/Right-of-Way																								
Construction	227	482	506	531	558	586		2,890																
Landscaping																								
Equip. & Furnish.	94	483	507	533	559	587		2,763																
Other		105						105																
TOTAL COSTS	346	1,100	1,045	1,097	1,152	1,209		5,949																
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																
Current Funds	346	1,100						1,446																
GO's/Com Paper Issued																								
GO's Unissued																								
RB's/Com Paper																								
Certificates of Obligation																								
Other																								
Unfunded			1,045	1,097	1,152	1,209		4,503																
TOTAL SOURCES	346	1,100	1,045	1,097	1,152	1,209		5,949																
								PROJECT SCHEDULE	START	FINISH														
								Design																
								Land/Right-of-Way																
								Construction																
								Finish Out																
								Other																
								TOTAL SCHEDULE	(Ongoing	Project)														

PAGE NO: E04		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All																											
DEPARTMENT ELECTRIC		PROJECT TITLE COMMERCIAL AND INDUSTRIAL CONSTRUCTION							PROJECT NO(S) 31320 31320		ACCOUNT NO(S) 215-3292-3132001 210-3292-3132001																									
PROJECT DESCRIPTION		PROJECT DESCRIPTION							FUNDING SOURCE(S)																											
<p>The Commercial and Industrial Construction Program provides for the construction of aerial and underground electrical distribution facilities necessary to provide electric service to commercial and industrial customers. Projects proposed for the 2017 CIP include multi-use complexes, new businesses, and apartments throughout the city, as well as new business growth located around the George Bush/190 corridor and other commercial or industrial areas within the city requiring new or upgraded services.</p>		<p>The Commercial and Industrial Construction Program provides for the construction of aerial and underground electrical distribution facilities necessary to provide electric service to commercial and industrial customers. Projects proposed for the 2017 CIP include multi-use complexes, new businesses, and apartments throughout the city, as well as new business growth located around the George Bush/190 corridor and other commercial or industrial areas within the city requiring new or upgraded services.</p>							<table border="0"> <tr> <td>Current Funds</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">960,900</td> </tr> <tr> <td>Commercial Paper</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">2,158,682</td> </tr> <tr> <td colspan="3">TOTAL FUNDED</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">\$ 3,119,582</td> </tr> <tr> <td colspan="3">UNFUNDED</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">\$ 3,017,000</td> </tr> <tr> <td colspan="3">PROJECT TOTAL</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">\$ 6,136,582</td> </tr> </table>				Current Funds	\$	960,900	Commercial Paper	\$	2,158,682	TOTAL FUNDED					\$ 3,119,582	UNFUNDED					\$ 3,017,000	PROJECT TOTAL					\$ 6,136,582
Current Funds	\$	960,900																																		
Commercial Paper	\$	2,158,682																																		
TOTAL FUNDED																																				
		\$ 3,119,582																																		
UNFUNDED																																				
		\$ 3,017,000																																		
PROJECT TOTAL																																				
		\$ 6,136,582																																		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION							STRIP MAP																											
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____		No impact to Operating Budget.																																		
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																												
Design	300	418	175	184	193	203		1,473																												
Land/Right-of-Way																																				
Construction	581	626	263	276	290	304		2,340																												
Landscaping																																				
Equip. & Furnish.	382	626	262	275	289	303		2,137																												
Other		187						187																												
TOTAL COSTS	1,263	1,857	700	735	772	810		6,137																												
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total																												
Current Funds	961							961																												
GO's/Com Paper Issued																																				
GO's Unissued																																				
RB's/Com Paper	302	1,857						2,159																												
Certificates of Obligation																																				
Other																																				
Unfunded			700	735	772	810		3,017																												
TOTAL SOURCES	1,263	1,857	700	735	772	810		6,137	TOTAL SCHEDULE	(Ongoing	Project)																									
									PROJECT SCHEDULE	START	FINISH																									
									Design																											
									Land/Right-of-Way																											
									Construction																											
									Finish Out																											
									Other																											

PAGE NO: E09		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT ELECTRIC		PROJECT TITLE DISTRIBUTION LINES - UNDERGROUND				PROJECT NO(S) 31624 31625		ACCOUNT NO(S) 215-3299-3162401 210-3299-3162501			
PROJECT DESCRIPTION		PROJECT DESCRIPTION				PROJECT DESCRIPTION		FUNDING SOURCE(S)			
<p>The Distribution Lines - Underground Program includes funding for the replacement of primary underground cables and the construction of new underground distribution primaries in locations where overhead construction is prohibited. Projects for the 2017 CIP include replacement of 75,000 feet of 2/0 underground primary cable; replacement of 17,000 feet of underground secondary; underground construction in North Garland to support new commercial load; conversion of overhead lines to underground lines; and the installation of two subdivisions (the Domain at Bunker Hill and Wyrick Tract at Buckingham and Shiloh). In addition, this Program includes replacement of faulted/aging cable and electrical equipment within the distribution system.</p>		<p>The Distribution Lines - Underground Program includes funding for the replacement of primary underground cables and the construction of new underground distribution primaries in locations where overhead construction is prohibited. Projects for the 2017 CIP include replacement of 75,000 feet of 2/0 underground primary cable; replacement of 17,000 feet of underground secondary; underground construction in North Garland to support new commercial load; conversion of overhead lines to underground lines; and the installation of two subdivisions (the Domain at Bunker Hill and Wyrick Tract at Buckingham and Shiloh). In addition, this Program includes replacement of faulted/aging cable and electrical equipment within the distribution system.</p>				<p>Current Funds \$ 3,216,793 Commercial Paper 8,252,052</p>		<p>TOTAL FUNDED \$ 11,468,845 UNFUNDED \$ 27,939,000 PROJECT TOTAL \$ 39,407,845</p>			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				STRIP MAP					
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____		This program should have a positive impact due to a reduction in maintenance and repair hours resulting from improved reliability and access to facilities.				STRIP MAP					
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Design	552	1,640	1,678	1,718	1,761	1,805		9,154			
Land/Right-of-Way											
Construction	1,940	2,471	2,529	2,590	2,654	2,721		14,905			
Landscaping											
Equip. & Furnish.	1,909	2,469	2,527	2,587	2,651	2,718		14,861			
Other		488						488			
TOTAL COSTS	4,401	7,068	6,734	6,895	7,066	7,244		39,408			
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total			
Current Funds	3,217							3,217			
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper	3,067	5,185						8,252			
Certificates of Obligation											
Other											
Unfunded			6,734	6,895	7,066	7,244		27,939			
TOTAL SOURCES	6,284	5,185	6,734	6,895	7,066	7,244		39,408	TOTAL SCHEDULE	(Ongoing Project)	
									PROJECT SCHEDULE	START	FINISH
									Design		
									Land/Right-of-Way		
									Construction		
									Finish Out		
									Other		

PAGE NO: E10		<i>Continuing Project</i>		CITY OF GARLAND - 2017 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All						
DEPARTMENT ELECTRIC		PROJECT TITLE SUBSTATIONS UPGRADES					PROJECT NO(S). 31717		ACCOUNT NO(S). 210-3299-3171501							
PROJECT DESCRIPTION										FUNDING SOURCE(S)						
<p>The Substations Upgrades Program includes funding for the completion of the Forest Lane loop transmission feed from Fairdale to Marquis; a new control house and security and flood mitigation upgrades for the Ben Davis Substation; completion of the Swindell Substation; and the purchase of a new 28MVA 138/12.5 kV transformer. Additionally, work is expected to begin on the Apollo 138kV to rebuild it to a 3000A rating.</p>										Revenue Bonds Issued		\$ 657,108				
										Commercial Paper		33,104,579				
										TOTAL FUNDED		\$ 33,761,687				
										UNFUNDED		\$ 53,335,000				
										PROJECT TOTAL		\$ 87,096,687				
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION								STRIP MAP						
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		No impact to Operating Budget.														
*PROJECT COSTS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total								
Design	681	990	835	105	1,460	445		4,516								
Land/Right-of-Way	200							200								
Construction	4,430	11,994	14,825	3,370	3,190	5,130		42,939								
Landscaping																
Equip. & Furnish.	5,195	6,380	10,995	3,700	3,640	5,635		35,545								
Other	3,060	832		5				3,897								
TOTAL COSTS	13,566	20,196	26,655	7,180	8,290	11,210		87,097								
*SOURCE OF FUNDS	Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total	PROJECT SCHEDULE	START	FINISH					
Current Funds									Design							
GO's/Com Paper Issued									Land/Right-of-Way							
GO's Unissued									Construction							
RB's/Com Paper	17,745	16,017						33,762	Finish Out							
Certificates of Obligation									Other							
Other																
Unfunded			26,655	7,180	8,290	11,210		53,335								
TOTAL SOURCES	17,745	16,017	26,655	7,180	8,290	11,210		87,097	TOTAL SCHEDULE	(Ongoing	Project)					

PAGE NO: E11		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All								
DEPARTMENT ELECTRIC				PROJECT TITLE VARIOUS IMPROVEMENTS					PROJECT NO(S). 31875 31884		ACCOUNT NO(S). 215-3299-3189801 217-3699-3188501						
PROJECT DESCRIPTION									FUNDING SOURCE(S)								
<p>The Various Improvements Program includes funding for the replacement of an HVAC unit at the Newman-McIntire facility; the reconfiguration of the Transmission and Distribution building in an effort to effectively utilize the limited space available in the building; and the purchase of Substation equipment, including a new shear cutter replacement and an additional Relay Test Set, to reduce testing hours, provide an ability to perform simultaneous testing at different locations, and have on hand a backup when needed.</p>				<p>IMPACT ON OPERATING BUDGET</p> <input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____					<p>IMPACT EXPLANATION</p> No impact to Operating Budget.					Current Funds		\$ 1,569,569	
														Revenue Bonds Issued		181,014	
														Commercial Paper		608,054	
									TOTAL FUNDED		\$ 2,358,637						
									UNFUNDED		\$ 68,000						
									PROJECT TOTAL		\$ 2,426,637						
									STRIP MAP								
*PROJECT COSTS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total								
Design		100	10						110								
Land/Right-of-Way																	
Construction		600	287						887								
Landscaping																	
Equip. & Furnish.		720	642	68					1,430								
Other																	
TOTAL COSTS		1,420	939	68					2,427								
*SOURCE OF FUNDS		Thru 12-2016	2017	2018	2019	2020	2021	2022 to Completion	Total								
Current Funds		1,570							1,570								
GO's/Com Paper Issued																	
GO's Unissued																	
RB's/Com Paper		679	110						789								
Certificates of Obligation																	
Other																	
Unfunded				68					68								
TOTAL SOURCES		2,249	110	68					2,427								
										PROJECT SCHEDULE	START	FINISH					
										Design							
										Land/Right-of-Way							
										Construction							
										Finish Out							
										Other							
										TOTAL SCHEDULE	(Ongoing	Project)					

APPENDICES

Appendix A

**Ordinance Adopting 2017 CIP
(Ordinance No. 6888)**

ORDINANCE NO. 6888

AN ORDINANCE OF THE CITY OF GARLAND, TEXAS, APPROVING AND ADOPTING THE CAPITAL IMPROVEMENT PROGRAM FOR 2017, PROVIDING BUDGETARY APPROPRIATIONS FOR THE VARIOUS CAPITAL FUNDS OF THE CITY, AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, on January 17, 2017, the City Manager submitted a Proposed Capital Improvement Program (CIP) for the City for 2017; and

WHEREAS, such CIP includes anticipated receipts and proposed projects and planned expenditures for each of the various capital improvement funds of the City; and

WHEREAS, the Proposed CIP was made available for public inspection; and

WHEREAS, public hearings were held on the Proposed CIP on February 7, 2017, and February 21, 2017, at which time all interested persons were given an opportunity to be heard for or against the estimates or any item therein; and

WHEREAS, upon full consideration of the matter, Council made such changes to the Proposed CIP which in their judgment were warranted and in the best interests of the residents of the city of Garland;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GARLAND, TEXAS:

Section 1

That the Capital Improvement Program (CIP) for 2017, as submitted by the City Manager and adjusted by the City Council, containing estimates of resources and proposed expenditures for each planned project, is hereby approved and adopted as follows:

A. Park Project Appropriations	\$ 6,707,000
B. Street/Transportation Project Appropriations	27,658,000
C. Drainage Project Appropriations	5,757,000
D. Library Project Appropriations	5,594,000

E. Public Safety Project Appropriations	\$3,725,000
F. Economic Development Project Appropriations	5,141,000
G. Municipal Facilities and Miscellaneous Project Appropriations	7,292,000
H. Landfill/Transfer Station Project Appropriations	2,846,000
I. Environmental Waste Services Project Appropriations	3,705,000
J. Stormwater Management Project Appropriations	525,000
K. Internal Services Project Appropriations	2,881,000
L. Water Project Appropriations	18,923,000
M. Wastewater Project Appropriations	45,731,000
N. Electric Project Appropriations	156,607,000

Section 2

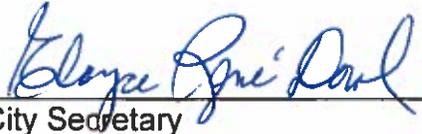
That this Ordinance shall be and become effective immediately upon and after its adoption and approval.

PASSED AND APPROVED this 21st day of February, 2017.

THE CITY OF GARLAND, TEXAS

By:  _____
Mayor

ATTEST:



City Secretary

Appendix B

Capital Improvement Bond Referendums by Proposition

CAPITAL IMPROVEMENT BOND REFERENDUMS BY PROPOSITION

GENERAL OBLIGATION CAPITAL IMPROVEMENT PROGRAM

Voted and Approved May 15, 2004

Proposition No. 1

The issuance of \$113,370,000 General Obligation Bonds for Street Improvements, including:

- Country Club Road - Walnut Street to Commerce Street
- LBJ Service Roads - Kingsley Road to La Prada Drive
- Northwest Highway - Centerville Road to La Prada Drive
- Shiloh Road - I.H. 635 to Kingsley Road
- Oates Road - Broadway Boulevard to Rosehill Road
- Brand Road - S.H. 190 to Muirfield Drive
- Naaman School Road - S.H. 78 to Pleasant Valley Road
- Naaman Forest Boulevard - Ranger Drive to Brand Road/S.H. 190
- Pleasant Valley Road - Northeast Parkway to Richfield Drive
- Fifth Street - Miller Road to Avenue D
- Walnut Street - Barnes Drive to Shiloh Road
- Walnut Street - First Street to Country Club Road
- Walnut Street - Jupiter Road to Barnes Drive
- Walnut Street - Shiloh Road to North Garland Avenue
- Dairy Road - East Celeste Drive to Broadway Boulevard
- Bobtown Road - Waterhouse Drive to Rowlett Road
- Callejo Road - Botello Road to Campbell Road
- Chaha Road - I.H. 30 to Zion Road
- Chaha Road - I.H. 30 to Lake Ray Hubbard Parkway

Proposition No. 2

The issuance of \$28,000,000 General Obligation Bonds for Drainage Projects, including:

- University Drive Channel
- Classic Drive/Yale Drive
- Garland Heights/Freeman Heights
- Parkmont Drive
- Undesignated Areas Requiring Local Flooding Mitigation and Drainage Improvements

Proposition No. 3

The issuance of \$21,680,000 General Obligation Bonds for Parks and Recreation Facilities and Improvements, including:

- Audubon Recreation Center Expansion
- Bradfield Recreation Center Renovation
- Gale Fields Recreation Center
- Granger Annex
- Surf & Swim Expansion
- Bradfield, Wynne, & Holford Pool Facilities
- Carter Softball Tournament Facility
- Central Park Ballfield #5
- Norman Groves Ballfield
- Audubon Soccer Athletic Field Lighting
- Tuckerville Park Sports Field
- Audubon Picnic Area
- Gatewood Picnic Pavilion
- Rowlett Creek Greenbelt
- Windsurf Bay Park
- Undesignated Park Land Acquisition and Miscellaneous Playground Improvements
- Centralized Irrigation/Lighting Control System Improvements
- Skating/Skateboard Facilities

Proposition No. 4

The issuance of \$9,400,000 General Obligation Bonds for Library Facilities.

Proposition No. 5

The issuance of \$12,950,000 General Obligation Bonds for Public Safety Facilities, including:

- Fire Stations No. 1, 3, 5, and 7
- Fire Training Facilities
- Police Shooting Range

Proposition No. 6

The issuance of \$11,180,000 General Obligation Bonds for Municipal Improvements, including:

- Downtown Gateway Facilities
- Downtown Plaza
- Forest/Jupiter Streetscape
- Transportation Corridors at First Street/Broadway Boulevard, Walnut Street, South Garland Avenue, Kingsley Road, and Northwest Highway
- Neighborhood Vitality Projects

Proposition No. 7

The issuance of \$3,420,000 General Obligation Bonds for Economic Development Land Acquisition.

Proposition No. 8

The issuance of \$23,745,000 General Obligation Bonds for the acquisition of land for parking facilities and for public infrastructure improvements in the proposed Harbor Point Project for use by Bass Pro Shop or other commercial entities.

Voted and Approved May 3, 1997

Proposition No. 1

The issuance of \$67,970,000 General Obligation Bonds for Street Improvements.

Proposition No. 2

The issuance of \$4,240,000 General Obligation Bonds for Extension of Northeast Parkway from its Existing Connection with S.H. 190 to S.H. 78, Such Issuance being Contingent upon Initiation of Mall Construction as Evidenced by a Building Permit and Dedication of Right-of-Way.

Proposition No. 3

The issuance of \$10,570,000 General Obligation Bonds for Drainage Projects.

Proposition No. 4

The issuance of \$5,890,000 General Obligation Bonds for Library Materials and Facilities.

Proposition No. 5

The issuance of \$12,370,000 General Obligation Bonds for Parks & Recreation Facilities and Improvements.

Proposition No. 6

The issuance of \$3,440,000 General Obligation Bonds for Additions to Cultural Arts Facilities.

Proposition No. 7

The issuance of \$19,890,000 General Obligation Bonds for Public Safety Facilities.

Proposition No. 8

The issuance of \$1,710,000 General Obligation Bonds for Municipal Facilities.

Voted and Approved May 4, 1991

Proposition No. 1

The issuance of \$42,496,500 General Obligation Street and Drainage Bonds.

Proposition No. 2

The issuance of \$6,744,000 General Obligation Parks & Recreation Bonds (including downtown complex for senior citizens, youth center, and science and technology center).

Proposition No. 3

The issuance of \$7,226,086 General Obligation Bonds for Public Safety Improvements (Police and Fire buildings and safety maintenance facility).

Appendix C

Summary of Programs

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022 to Completion</u>	<u>Total Request</u>
<u>PARK</u>							
Prior Approved G.O./C.P.	\$1,752	\$1,076	\$543	\$0	\$0	\$0	\$3,371
New Debt G.O./C.P.	831	1,300	2,590	1,579	915	5,444	12,659
New Debt C.O.	672	0	0	0	0	0	672
Other Sources	3,452	525	0	0	0	0	3,977
Unfunded	0	3,632	3,570	1,315	250	4,305	13,072
	<u>\$6,707</u>	<u>\$6,533</u>	<u>\$6,703</u>	<u>\$2,894</u>	<u>\$1,165</u>	<u>\$9,749</u>	<u>\$33,751</u>
<u>STREET/TRANSPORTATION</u>							
Prior Approved G.O./C.P.	\$6,879	\$3,280	\$1,064	\$0	\$0	\$0	\$11,223
New Debt G.O./C.P.	1,030	15,647	4,305	2,535	1,911	38,544	63,972
New Debt C.O.	4,791	0	0	0	0	0	4,791
Other Sources	14,958	11,993	1,559	0	0	0	28,510
Unfunded	0	10,494	10,625	9,441	8,869	400	39,829
	<u>\$27,658</u>	<u>\$41,414</u>	<u>\$17,553</u>	<u>\$11,976</u>	<u>\$10,780</u>	<u>\$38,944</u>	<u>\$148,325</u>
<u>DRAINAGE</u>							
Prior Approved G.O./C.P.	\$1,785	\$610	\$139	\$0	\$0	\$0	\$2,534
New Debt G.O./C.P.	1,515	1,035	1,000	2,000	4,221	0	9,771
New Debt C.O.	739	0	0	0	0	0	739
Other Sources	1,718	0	0	0	0	0	1,718
Unfunded	0	2,379	0	0	2,200	0	4,579
	<u>\$5,757</u>	<u>\$4,024</u>	<u>\$1,139</u>	<u>\$2,000</u>	<u>\$6,421</u>	<u>\$0</u>	<u>\$19,341</u>
<u>LANDFILL/TRANSFER STATION</u>							
New Debt C.O.	\$2,331	\$0	\$0	\$0	\$0	\$0	\$2,331
Other Sources	515	158	0	0	0	0	673
Unfunded	0	2,752	2,182	2,497	3,334	0	10,765
	<u>\$2,846</u>	<u>\$2,910</u>	<u>\$2,182</u>	<u>\$2,497</u>	<u>\$3,334</u>	<u>\$0</u>	<u>\$13,769</u>

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022 to Completion</u>	<u>Total Request</u>
<u>LIBRARY</u>							
New Debt C.O.	\$2,042	\$0	\$0	\$0	\$0	\$0	\$2,042
Other Sources	3,552	0	0	0	0	0	3,552
Unfunded	0	1,250	300	150	0	0	1,700
	<u>\$5,594</u>	<u>\$1,250</u>	<u>\$300</u>	<u>\$150</u>	<u>\$0</u>	<u>\$0</u>	<u>\$7,294</u>
<u>PUBLIC SAFETY</u>							
Prior Approved G.O./C.P.	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Debt G.O./C.P.	0	0	0	0	0	1,025	1,025
New Debt C.O.	2,021	0	0	0	0	0	2,021
Other Sources	1,704	0	0	0	0	0	1,704
Unfunded	0	528	4,108	721	2,600	22,084	30,041
	<u>\$3,725</u>	<u>\$528</u>	<u>\$4,108</u>	<u>\$721</u>	<u>\$2,600</u>	<u>\$23,109</u>	<u>\$34,791</u>
<u>ECONOMIC DEVELOPMENT</u>							
Prior Approved G.O./C.P.	\$769	\$0	\$0	\$0	\$0	\$0	\$769
New Debt G.O./C.P.	128	1,120	1,397	493	0	7,235	10,373
New Debt C.O.	252	0	0	0	0	0	252
Other Sources	3,992	67	70	0	0	0	4,129
Unfunded	0	368	1,274	1,928	351	0	3,921
	<u>\$5,141</u>	<u>\$1,555</u>	<u>\$2,741</u>	<u>\$2,421</u>	<u>\$351</u>	<u>\$7,235</u>	<u>\$19,444</u>
<u>MUNICIPAL FACILITIES & MISC. TAX SUPPORTED</u>							
New Debt C.O.	\$2,954	\$0	\$0	\$0	\$0	\$0	\$2,954
Other Sources	4,338	313	250	38	0	0	4,939
Unfunded	0	2,437	2,310	2,112	2,450	0	9,309
	<u>\$7,292</u>	<u>\$2,750</u>	<u>\$2,560</u>	<u>\$2,150</u>	<u>\$2,450</u>	<u>\$0</u>	<u>\$17,202</u>

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022 to Completion</u>	<u>Total Request</u>
<u>TOTAL GENERAL FUND</u>							
Prior Approved G.O./C.P.	\$11,185	\$4,966	\$1,746	\$0	\$0	\$0	\$17,897
New Debt G.O./C.P.	3,504	19,102	9,292	6,607	7,047	52,248	97,800
New Debt C.O.	15,802	0	0	0	0	0	15,802
Other Sources	34,229	13,056	1,879	38	0	0	49,202
Total Funded Projects	\$64,720	\$37,124	\$12,917	\$6,645	\$7,047	\$52,248	\$180,701
Unfunded	0	23,840	24,369	18,164	20,054	26,789	113,216
TOTAL	<u>\$64,720</u>	<u>\$60,964</u>	<u>\$37,286</u>	<u>\$24,809</u>	<u>\$27,101</u>	<u>\$79,037</u>	<u>\$293,917</u>
<u>INTERNAL SERVICE</u>							
New Debt C.O.	\$663	\$0	\$0	\$0	\$0	\$0	\$663
Other Sources	2,218	0	0	0	0	0	2,218
Unfunded	0	413	413	413	0	0	1,239
	<u>\$2,881</u>	<u>\$413</u>	<u>\$413</u>	<u>\$413</u>	<u>\$0</u>	<u>\$0</u>	<u>\$4,120</u>
<u>EWS GROUP - DELIVERY</u>							
New Debt C.O.	\$3,264	\$0	\$0	\$0	\$0	\$0	\$3,264
Other Sources	441	0	0	0	0	0	441
Unfunded	0	2,441	3,016	2,972	3,427	0	11,856
	<u>\$3,705</u>	<u>\$2,441</u>	<u>\$3,016</u>	<u>\$2,972</u>	<u>\$3,427</u>	<u>\$0</u>	<u>\$15,561</u>
<u>STORMWATER MANAGEMENT</u>							
New Debt C.O.	\$525	\$0	\$0	\$0	\$0	\$0	\$525
Other Sources	0	0	0	0	0	0	0
Unfunded	0	500	500	500	500	0	2,000
	<u>\$525</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$0</u>	<u>\$2,525</u>

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022 to Completion</u>	<u>Total Request</u>
<u>WATER</u>							
New Debt C.P.	\$7,825	\$0	\$0	\$0	\$0	\$0	\$7,825
Prior Approved C.P.	9,488	0	0	0	0	0	9,488
Other Sources	1,610	0	0	0	0	0	1,610
Unfunded	0	16,485	10,575	10,175	17,175	0	54,410
	<u>\$18,923</u>	<u>\$16,485</u>	<u>\$10,575</u>	<u>\$10,175</u>	<u>\$17,175</u>	<u>\$0</u>	<u>\$73,333</u>
<u>WASTEWATER</u>							
New Debt C.P.	\$14,160	\$0	\$0	\$0	\$0	\$0	\$14,160
Prior Approved C.P.	26,891	860	971	0	0	0	28,722
Other Sources	4,680	20	20	40	0	0	4,760
Unfunded	0	19,521	17,686	19,643	15,045	115,790	187,685
	<u>\$45,731</u>	<u>\$20,401</u>	<u>\$18,677</u>	<u>\$19,683</u>	<u>\$15,045</u>	<u>\$115,790</u>	<u>\$235,327</u>
<u>ELECTRIC</u>							
New Debt C.P.	\$118,104	\$0	\$0	\$0	\$0	\$0	\$118,104
Prior Approved C.P.	27,600	0	0	0	0	0	27,600
Other Sources	10,903	0	0	0	0	0	10,903
Unfunded	0	89,905	39,444	53,849	61,299	0	244,497
	<u>\$156,607</u>	<u>\$89,905</u>	<u>\$39,444</u>	<u>\$53,849</u>	<u>\$61,299</u>	<u>\$0</u>	<u>\$401,104</u>
<u>TOTAL UTILITY FUNDS</u>							
New Debt C.P.	\$140,089	\$0	\$0	\$0	\$0	\$0	\$140,089
Prior Approved C.P.	63,979	860	971	0	0	0	65,810
New Debt C.O.	3,789	0	0	0	0	0	3,789
Other Sources	17,634	20	20	40	0	0	17,714
Total Funded Projects	\$225,491	\$880	\$991	\$40	\$0	\$0	\$227,402
Unfunded	0	128,852	71,221	87,139	97,446	115,790	500,448
TOTAL	<u>\$225,491</u>	<u>\$129,732</u>	<u>\$72,212</u>	<u>\$87,179</u>	<u>\$97,446</u>	<u>\$115,790</u>	<u>\$727,850</u>

Other sources may include existing Certificates of Obligation, Revenue Bonds, Grants, Contributions, Construction Reserves, Interest Earnings, or other known source.

Appendix D

CIP Fund Allocation

**CIP FUND ALLOCATION
BY PROGRAM
(In 000's Dollars)**

	<u>Existing Funding</u>	<u>Percent</u>	<u>Continuation Funding</u>	<u>Percent</u>	<u>New Funding</u>	<u>Percent</u>	<u>Total Project</u>
Park	\$5,018	74.8%	\$1,329	19.8%	\$360	5.4%	\$6,707
Street/Transportation	19,752	71.4%	6,101	22.1%	1,805	6.5%	27,658
Drainage	3,042	52.8%	2,715	47.2%	0	0.0%	5,757
Library	2,849	50.9%	2,745	49.1%	0	0.0%	5,594
Public Safety	1,704	45.7%	0	0.0%	2,021	54.3%	3,725
Economic Development	4,761	92.6%	380	7.4%	0	0.0%	5,141
Landfill/Transfer Station	515	18.1%	0	0.0%	2,331	81.9%	2,846
Other	3,345	45.9%	3,293	45.1%	654	9.0%	7,292
Total	\$40,986	63.3%	\$16,563	25.6%	\$7,171	11.1%	\$64,720
Internal Service	\$2,218	77.0%	\$250	8.7%	\$413	14.3%	\$2,881
EWS Group - Delivery	241	6.5%	200	5.4%	3,264	88.1%	3,705
Stormwater Management	0	0.0%	0	0.0%	525	100.0%	525
Water	9,488	50.2%	8,635	45.6%	800	4.2%	18,923
Wastewater	31,571	69.0%	11,660	25.5%	2,500	5.5%	45,731
Electric	26,778	17.1%	118,279	75.5%	11,550	7.4%	156,607
Total	\$70,296	30.8%	\$139,024	60.9%	\$19,052	8.3%	\$228,372
Grand Total	\$111,282	38.0%	\$155,587	53.1%	\$26,223	8.9%	\$293,092

CIP FUND ALLOCATION BY PROJECT 2017

		<u>Page</u>	<u>Existing Funding</u>	<u>Continuation Funding</u>	<u>New Project Funding</u>	<u>Project Total</u>
<u>Park</u>						
18213	Atrium Renovations	P01	\$12,000			\$12,000
18209	Trail Development	P02	778,000	106,000		884,000
18320	Granger Recreation Center & Annex Renovation	P04	769,000			769,000
18325	Audubon Recreation Center Expansion	P05	104,000			104,000
18329	Tuckerville Park Development	P07		370,000		370,000
18330	Skating/Skateboard Facility	P08	68,000	321,000		389,000
18331	Expand Centralized Irrigation/Lighting Control	P09		140,000		140,000
18337	Windsurf Bay Park	P13	150,000			150,000
18338	Playground Improvements	P14	716,000	262,000		978,000
18345	Repaving of Parking Lots for Parks Dept.	P15	1,195,000	45,000		1,240,000
18346	Central Park - Park Operations Facility Imprvmts.	P16	440,000			440,000
18347	Dog Park	P17	325,000	5,000		330,000
18348	Park Lighting Improvements - Parking Lots	P18	96,000			96,000
18350	Fencing - Audubon and Winters Soccer Complex	P19	120,000			120,000
18351	Pedestrian/Bike Bridges - Duck Creek	P20	225,000			225,000
18352	Granville Arts Center - Art Sculpture	P21	20,000	80,000		100,000
18353	Carter Softball Facility Canopy Replacement	P22			180,000	180,000
18354	Duck Creek Greenbelt Drainage Structure	P23			180,000	180,000
Total Park			<u>\$5,018,000</u>	<u>\$1,329,000</u>	<u>\$360,000</u>	<u>\$6,707,000</u>
<u>Street/Transportation</u>						
14176	New Sidewalks	ST01	\$300,000	\$50,000		\$350,000
14200	Street and Alley Petition	ST02	125,000			125,000
14202	Sidewalk / Curb & Gutter Participation	ST03	169,000	81,000		250,000
14261	Oates Road - Broadway to Rosehill	ST05	1,050,000			1,050,000
14272	Bobtown Road - Rowlett to Waterhouse	ST09	290,000			290,000
14273	Brand Road - S.H. 190 to Muirfield	ST10	400,000			400,000
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	1,850,000	160,000		2,010,000
14292	Pleasant Valley Road Bridge	ST12	10,100,000			10,100,000
14300	Fifth Street - Miller to Kingsley	ST13	803,000	844,000		1,647,000
14301	Screen Wall Reconstruction	ST14	100,000			100,000
14302	Naaman School/Brand/Campbell Alignment	ST15	143,000	107,000		250,000
14305	Holford Road - PGBT to Campbell - Alignment	ST17	250,000			250,000
14306	Holford Road - Arapaho to PGBT - Alignment	ST18	375,000			375,000
14308	Bobtown Road - Kelso to Barnes Bridge	ST19	300,000			300,000
14309	Oates Rd. - Channel Isle to Emerald Lakes #3	ST20			812,000	812,000
14310	Holford Rd. - Arapaho to PGBT - Construction	ST21			300,000	300,000
15640	Operational and Safety Improvements	ST22	801,000			801,000
15219	Miscellaneous Equipment and Services	ST23	54,000			54,000
15600	New Traffic Signal Installations	ST24	279,000			279,000
15544	LED Replacement Program	ST25	111,000	100,000		211,000
15530	Traffic Control System	ST26	203,000			203,000
15547	Emergency Services Signal Equipment	ST27	43,000			43,000
15578	Railroad Crossing Improvements	ST28	197,000			197,000
15596	North-South Bikeway	ST29	237,000	480,000		717,000
15620	Signal Equipment Modernizations	ST30	24,000	100,000		124,000
15751	Train Quiet Zone	ST31	108,000			108,000
14304	LBJ Sound Wall Aesthetics	ST32	91,000			91,000
14307	Transit Pass - Bottleneck Improvements	ST33		500,000		500,000
39818	Street Reconstruction and Improvements	ST34	1,349,000	3,679,000		5,028,000
39829	Nash Street - Brookside to Garwood	ST35			228,000	228,000
39830	Vista Drive - Cumberland to Dairy	ST36			354,000	354,000
39831	Rolando Drive - Delano to Miller	ST37			111,000	111,000
Total Street/Transportation			<u>\$19,752,000</u>	<u>\$6,101,000</u>	<u>\$1,805,000</u>	<u>\$27,658,000</u>

CIP FUND ALLOCATION BY PROJECT 2017

		<u>Page</u>	<u>Existing Funding</u>	<u>Continuation Funding</u>	<u>New Project Funding</u>	<u>Project Total</u>
<u>Drainage</u>						
14230	Miscellaneous Flooding	D01	\$350,000			\$350,000
14231	Petition Drainage	D02	300,000			300,000
14244	Classic and Yale	D03	90,000			90,000
14246	Parkmont Drive	D05	1,045,000	1,515,000		2,560,000
14248	Bridge Remediation	D06	1,200,000	1,200,000		2,400,000
14299	Downtown Drainage Improvements	D07	57,000			57,000
	Total Drainage		<u>\$3,042,000</u>	<u>\$2,715,000</u>	<u>\$0</u>	<u>\$5,757,000</u>
<u>Library</u>						
19580	Library Materials	L01		\$600,000		\$600,000
19581	Facilities Upgrades	L02	654,000			654,000
19584/5	Central Library Life and Safety Upgrades	L03	1,166,000	793,000		1,959,000
19587	RFID Service Delivery	L04	1,029,000	1,352,000		2,381,000
	Total Library		<u>\$2,849,000</u>	<u>\$2,745,000</u>	<u>\$0</u>	<u>\$5,594,000</u>
<u>Public Safety</u>						
12032	Fire Station No. 5	PS01	\$358,000			\$358,000
12107	Ambulance Remounts	PS04	205,000		503,000	708,000
12058	Replace Fire Apparatus	PS05	382,000		1,518,000	1,900,000
23047	Radio System Replacement	PS06	759,000			759,000
	Total Public Safety		<u>\$1,704,000</u>	<u>\$0</u>	<u>\$2,021,000</u>	<u>\$3,725,000</u>
<u>Economic Development</u>						
10046	Land/Property Acquisition	ED01	\$90,000			\$90,000
10027	Downtown Streetscape & Redevelop. Design	ED02	651,000	252,000		903,000
10034	Neighborhood Vitality Grant Program	ED04	492,000	28,000		520,000
10042	Downtown Gateways	ED05	55,000	100,000		155,000
10043	Downtown Square Design & Construction	ED06	222,000			222,000
10127	Walnut Street Pedestrian Corridor	ED09	1,065,000			1,065,000
10136	City Center Development	ED10	1,213,000			1,213,000
10508	Economic Development Office	ED11	973,000			973,000
	Total Economic Development		<u>\$4,761,000</u>	<u>\$380,000</u>	<u>\$0</u>	<u>\$5,141,000</u>
<u>Landfill/Transfer Station</u>						
17154	Replacement of Landfill Equipment	EW01	\$134,000		\$822,000	\$956,000
17155	Replacement of Transfer Station Equipment	EW02	41,000		411,000	452,000
17159	Transfer Station Rebuild	EW03	340,000			340,000
17160	Leachate Discharge System Upgrades	EW04			198,000	198,000
17161	Hinton Landfill GCCS Expansion	EW05			900,000	900,000
	Total Landfill/Transfer Station		<u>\$515,000</u>	<u>\$0</u>	<u>\$2,331,000</u>	<u>\$2,846,000</u>

CIP FUND ALLOCATION BY PROJECT 2017

		<u>Page</u>	<u>Existing Funding</u>	<u>Continuation Funding</u>	<u>New Project Funding</u>	<u>Project Total</u>
<u>Municipal Facilities and Miscellaneous Tax Supported</u>						
Facilities Management						
16037	HVAC Replacement/Upgrade	MF01	\$100,000	\$400,000		\$500,000
16038	Roof Replacement	MF02	603,000	400,000		1,003,000
16039	Facilities Upgrade	MF03	481,000			481,000
16057	Fire Alarm, Fire Safety and Security Systems	MF04	226,000			226,000
16062	Parking Lot Upgrades	MF05	250,000			250,000
16066	Carver Center Renovation & Safety Upgrades	MF06	983,000	1,986,000		2,969,000
16104	City Hall Code/Safety Updates	MF07	391,000			391,000
Firewheel						
36530	Firewheel Golf Park Improvements	MF09	104,000	207,000		311,000
Public and Media Affairs						
16084	CGTV - Upgrades	MF11	161,000	300,000		461,000
Street						
39811	Infrastructure Equipment	MF12	46,000		654,000	700,000
Total Mun. Fac. and Misc. Tax Supported			<u>\$3,345,000</u>	<u>\$3,293,000</u>	<u>\$654,000</u>	<u>\$7,292,000</u>
<u>Miscellaneous Revenue Supported and Internal Service</u>						
EWS Group - Delivery						
21070	95-Gal. Recycling Containers - Phases 5 thru 6	M01	\$26,000		\$565,000	\$591,000
21068	Replacement of Side-Load Residential Trucks	M02	98,000		1,165,000	1,263,000
21069	Replacement of Recycling Truck	M03	27,000		289,000	316,000
21071	Replacement of Rear-Load Brush Trucks	M04	32,000	200,000	308,000	540,000
21073	Replcmt. of Brush Tractor Trucks & Trailers	M05	23,000		291,000	314,000
21078	Replacement of Knuckle Boom Trucks	M07			406,000	406,000
21081	Replcmt. of Commercial Roll-Off Truck	M08	35,000		167,000	202,000
21085	Replcmt. Of Front-Load Cont. Carrier Trucks	M09			73,000	73,000
Fleet Services						
19030	Fuel System Upgrade	M10	271,000			271,000
19033	Fleet Services Facility Renovation	M11	1,557,000			1,557,000
Management Information Services						
23045	Extend Fiber Optic Cable	M12	250,000			250,000
23019	Network and Cabling Upgrades	M13	140,000	250,000		390,000
23048	Telephone System Replacement	M14			413,000	413,000
Stormwater Management						
39818	Stormwater Maintenance Equipment	M15			525,000	525,000
Total Misc. Rev. Supported and Internal Service			<u>\$2,459,000</u>	<u>\$450,000</u>	<u>\$4,202,000</u>	<u>\$7,111,000</u>

CIP FUND ALLOCATION BY PROJECT 2017

		<u>Page</u>	<u>Existing Funding</u>	<u>Continuation Funding</u>	<u>New Project Funding</u>	<u>Project Total</u>
Water						
30190	Transmission Mains (16-Inch and Above)	W01	\$1,227,000	\$750,000		\$1,977,000
30191	Distribution Lines (Up to 14-Inch)	W02	650,000	3,200,000		3,850,000
30192	Relocation of Mains Prior to Paving	W03	3,603,000			3,603,000
30195	Relocation of Mains Prior to Storm Sewer Install.	W04		275,000		275,000
30197	Water Pump Station Rehab	W05	1,788,000	400,000		2,188,000
30205	Fire Hydrant Installation	W06	567,000	150,000		717,000
30206	New Water Service Installation	W07	371,000			371,000
30207	Upgrade Undersized Water Mains	W08	724,000			724,000
30208	Water Distribution Line Replacement	W09	512,000	500,000		1,012,000
30213	Radio Read Water Meter Retrofit	W10	46,000	700,000		746,000
30216	Country Club/Bobtown Road Water Trans. Mains	W11		1,000,000		1,000,000
30222	West Pressure Plane Improvements	W12		1,660,000		1,660,000
30235	Roan Road Water Transmission Main	W13			400,000	400,000
30236	Water Quality Assurance	W14			400,000	400,000
Total Water			<u>\$9,488,000</u>	<u>\$8,635,000</u>	<u>\$800,000</u>	<u>\$18,923,000</u>
Wastewater						
Wastewater Collection						
32124	Infiltration Correction - Various	WW01	\$1,637,000	\$200,000		\$1,837,000
32147	Sewer Collection Mains - Manholes	WW02	644,000			644,000
32148	Sanitary Sewer Taps - New or Relocations	WW03		80,000		80,000
32149	Collection Mains	WW04	528,000	1,445,000		1,973,000
32151	Sewer Lift Station Rehab	WW05	487,000	50,000		537,000
32154	Cured-in-Place Pipe Main & Lateral Rehab	WW06		1,000,000		1,000,000
32157	Relocation of Mains Prior to Paving	WW07	1,600,000	1,100,000		2,700,000
32161	Rowl-I - Campbell to Shiloh	WW08	507,000			507,000
32174	Lift Station Abandonment	WW09	669,000			669,000
32180	Long Branch-II WW Main Realignment	WW10	100,000			100,000
32181	Duck Creek Greenbelt Trail Extension	WW11	1,024,000			1,024,000
32183	Duck Creek Interceptor Rehab	WW12	32,000			32,000
32184	Rowlett Interceptor Rehab	WW13	83,000	735,000		818,000
Wastewater Treatment						
33028	Rowlett Creek WWTP Processes Improvements	WW15	\$656,000	\$170,000		\$826,000
33029	Rowlett Creek WWTP Replacements/Mods.	WW16	971,000	1,750,000		2,721,000
34027	Duck Creek WWTP Replacements/Mods.	WW17	1,714,000	265,000		1,979,000
34035	Rowlett Creek WWTP Biosolids Expansion	WW18	18,750,000			18,750,000
34038	Duck Creek WWTP Processes Improvements	WW19	2,169,000	4,865,000		7,034,000
33031	Rowlett Creek Operations Center Renovations	WW20			2,500,000	2,500,000
Total Wastewater			<u>\$31,571,000</u>	<u>\$11,660,000</u>	<u>\$2,500,000</u>	<u>\$45,731,000</u>
Electric						
31387	Transmission Lines	E01	\$4,605,000	\$24,811,000		\$29,416,000
31223	Communications Upgrades/Improvements	E02	535,000	1,153,000		1,688,000
31240	Residential Construction	E03		1,100,000		1,100,000
31320	Commercial and Industrial Construction	E04		1,857,000		1,857,000
31460	Street and Thoroughfare Lighting	E05		3,780,000		3,780,000
31491	Relocation of Facilities	E06		1,665,000		1,665,000
31532	Distribution Lines - Overhead	E07		3,622,000		3,622,000
31551	Production	E08	131,000	2,386,000		2,517,000
31624	Distribution Lines - Underground	E09	1,883,000	5,185,000		7,068,000
31717	Substations Upgrades	E10	4,179,000	4,467,000	11,550,000	20,196,000
31875	Various Improvements	E11	829,000	110,000		939,000
31424	Limestone to Gibbons Creek Transmission Line	E12	14,616,000	68,143,000		82,759,000
Total Electric			<u>\$26,778,000</u>	<u>\$118,279,000</u>	<u>\$11,550,000</u>	<u>\$156,607,000</u>
Total			<u>\$111,282,000</u>	<u>\$155,587,000</u>	<u>\$26,223,000</u>	<u>\$293,092,000</u>

Appendix E

Downtown Catalyst Area Improvements – Phase 2

DOWNTOWN CATALYST AREA IMPROVEMENTS

PHASE 2

(In 000's Dollars)

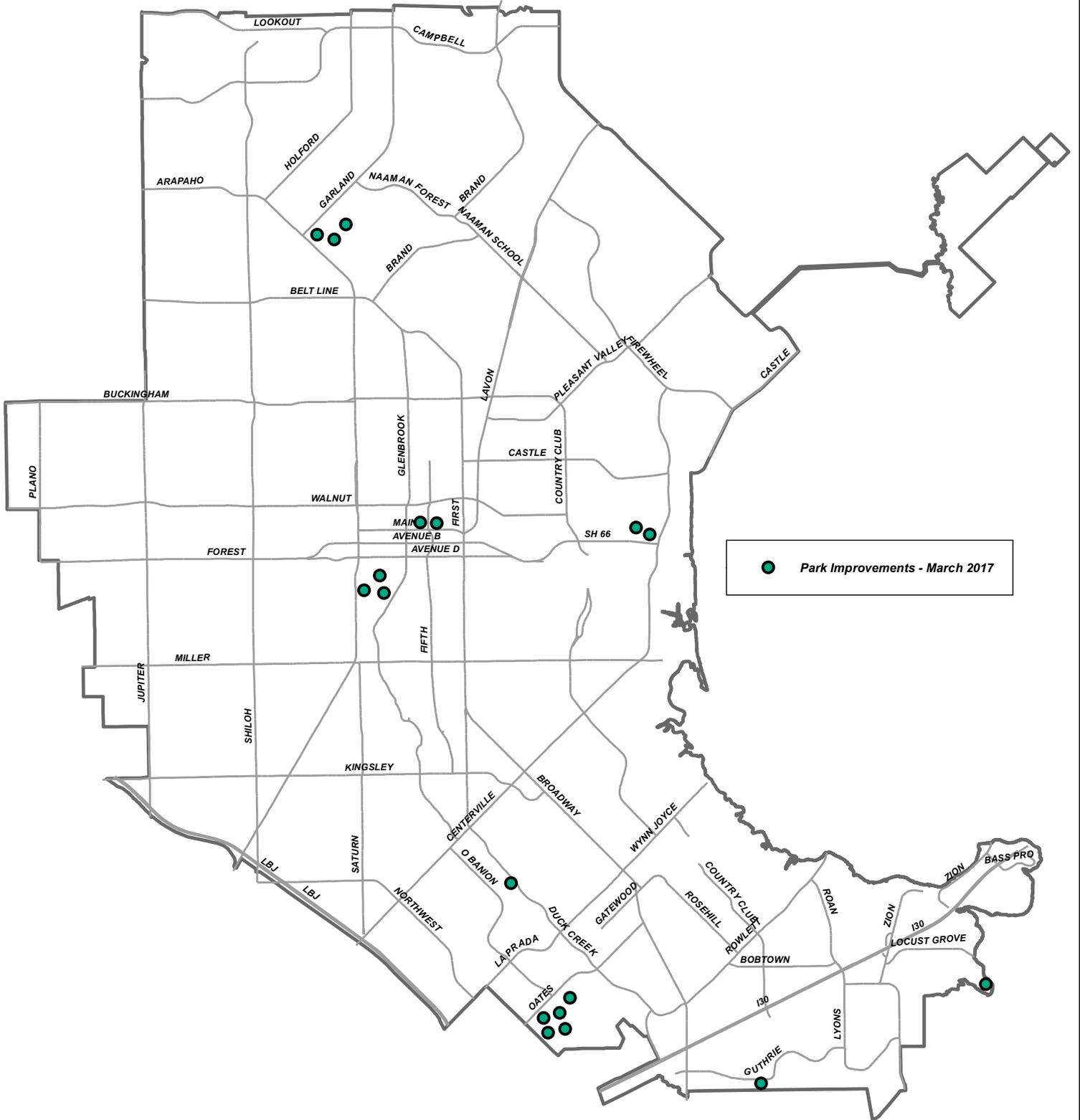
<u>Page No.</u>	<u>Status</u>	<u>FUNDING REQUIRED</u>	<u>Estimates as of 2016</u>	<u>Projections as of 2017</u>	<u>Change</u>
City Center Development					
ED10	Complete	Parking Structure	\$ 7,130	\$ 7,130	\$ -
ED10	Complete	Relocation of Heritage Park (Includes Lyles House)	1,586	1,586	-
ED10		City Hall Façade	7,406	7,406	-
ED10	*	Downtown Streetscape for Austin/State	258	258	-
ED10	Complete *	Site Preparation	430	430	-
ED10		Arts Plaza	700	700	-
Sub-Total City Center Development			\$ 17,510	\$ 17,510	\$ -
Infrastructure					
	Complete	Water Improvements	\$ 804	\$ 804	\$ -
D07	*	Street and Drainage Improvements	1,754	1,754	-
ED09		Walnut Pedestrian Corridor	1,458	1,458	-
E09	Complete	Relocation of Electric Underground	900	900	-
Sub-Total Infrastructure			\$ 4,916	\$ 4,916	\$ -
City Facilities Improvements					
ED02	*	Streetscape for Fifth Street	685	685	-
	Complete	City Hall UPS Upgrade / Data Center Renovation	420	420	-
MF11		Sound Studio / CGTV Upgrades	1,955	1,955	-
MF07		City Hall Code/Safety Upgrades	1,910	1,910	-
	Complete	Facilities Demolition	150	150	-
Sub-Total City Facilities Improvements			\$ 5,120	\$ 5,120	\$ -
Total Downtown Catalyst Area Improvements			\$ 27,546	\$ 27,546	\$ -
<u>FUNDING SOURCES</u>					
		One-Time Funds Earmarked for Economic Development	\$ 13,592	\$ 13,592	\$ -
		Available CIP Funds	5,917	5,917	-
		Downtown TIF-Supported Debt	3,000	3,000	-
		Downtown TIF Funds Available	1,278	1,278	-
		Infrastructure Funding in Utility CIP	1,704	1,704	-
		Restricted Use Funds (PEG, Tree Mitigation)	2,055	2,055	-
		Unfunded	-	-	-
Total Funding Sources			\$ 27,546	\$ 27,546	\$ -

* Net of Developer Contributions

Appendix F

Maps

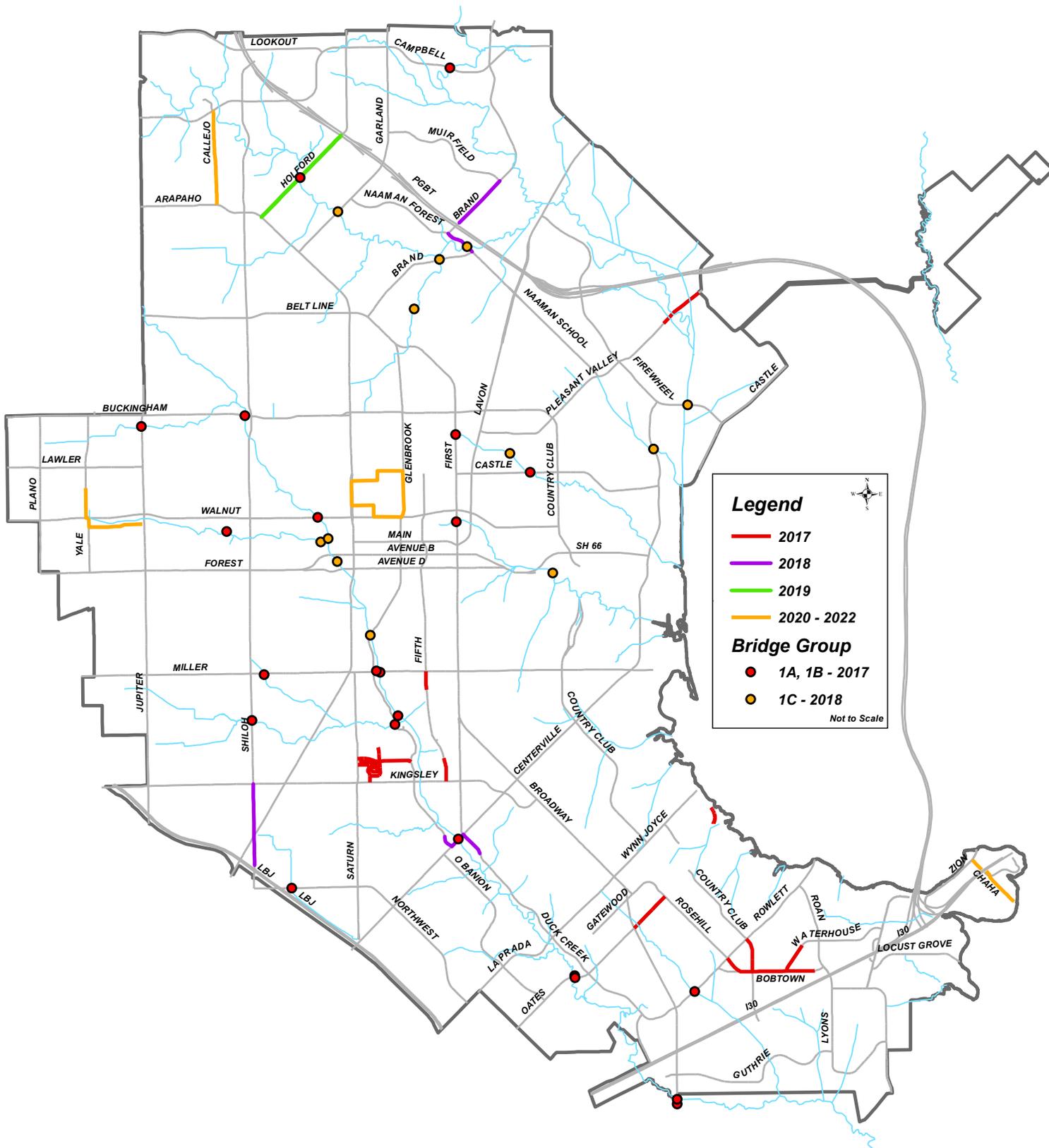
2017 CAPITAL IMPROVEMENT PROGRAM



PARK IMPROVEMENT PROJECTS



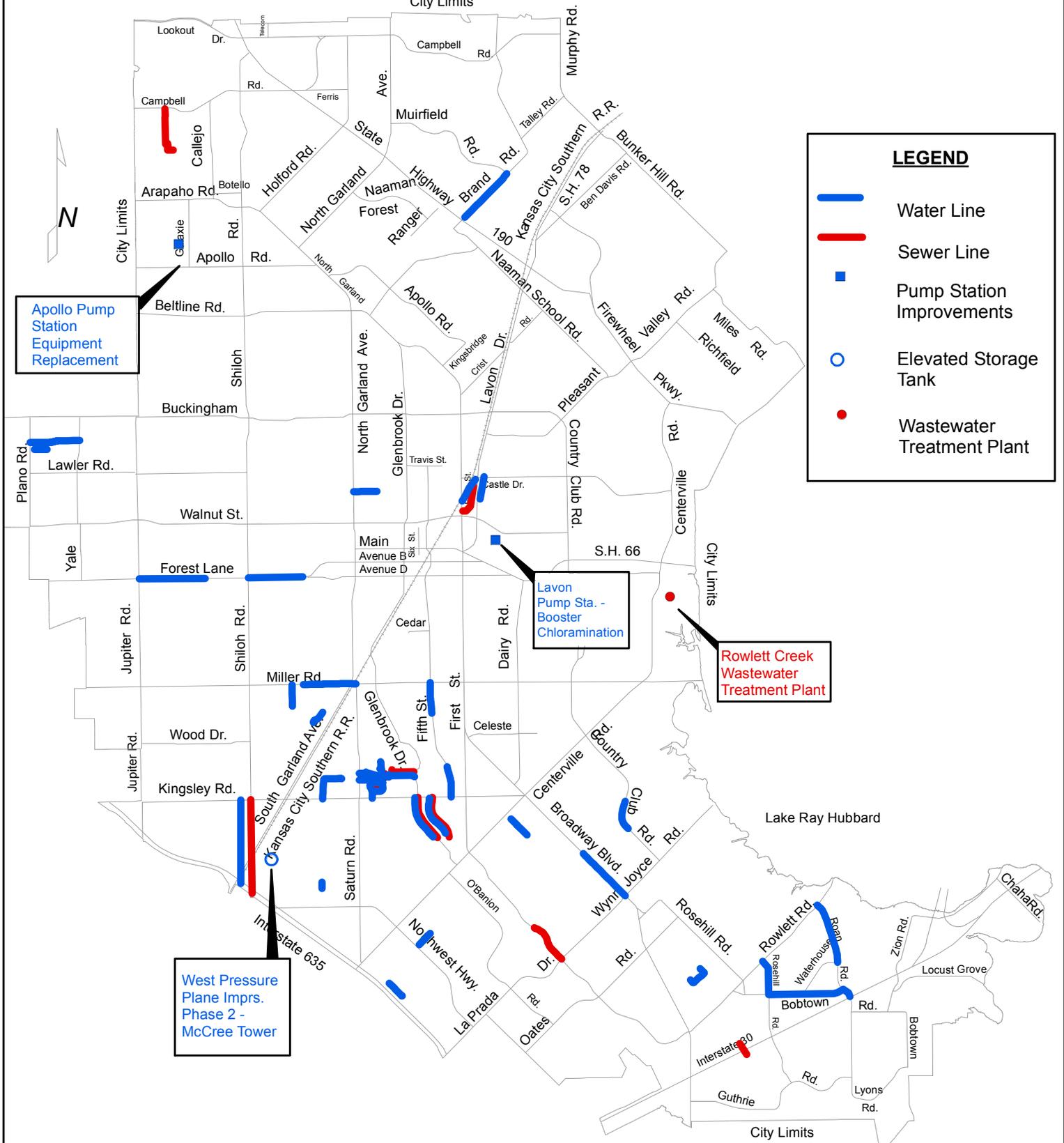
2017 ENGINEERING DEPARTMENT CAPITAL IMPROVEMENT PROGRAM 5-YEAR CONSTRUCTION PLAN



ENGINEERING PROJECTS

2017 CAPITAL IMPROVEMENTS PROGRAM

City Limits



LEGEND

- Water Line
- Sewer Line
- Pump Station Improvements
- Elevated Storage Tank
- Wastewater Treatment Plant

Apollo Pump Station
Equipment Replacement

Lavon Pump Sta. -
Booster
Chloramination

Rowlett Creek
Wastewater
Treatment Plant

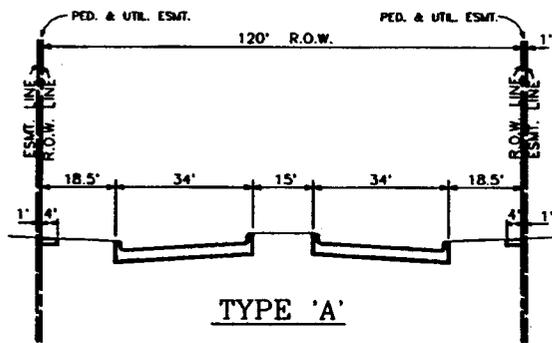
West Pressure
Plane Impr.
Phase 2 -
McCree Tower

Duck Creek
Wastewater
Treatment Plant

WATER IMPROVEMENT WASTEWATER PROJECTS

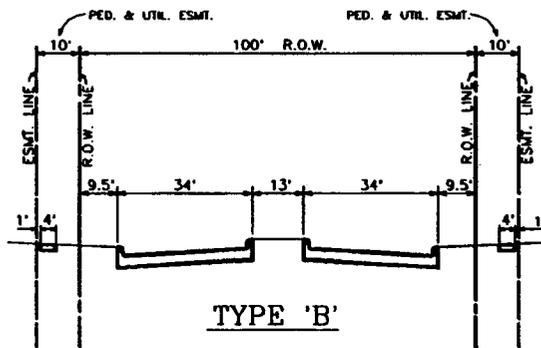
Appendix G

Roadway Classifications



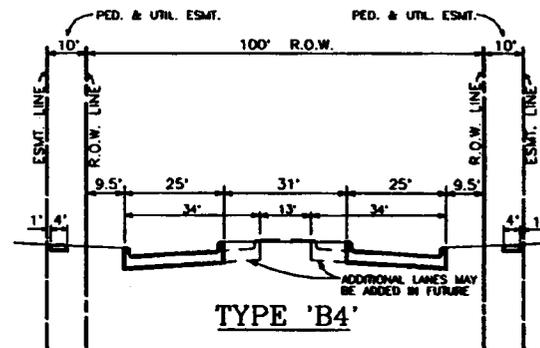
TYPE 'A'

•R.O.W. WIDTH = 120' •VEHICLE CAPACITY: 43,500 VEHICLES PER DAY
 •PEDESTRIAN & UTILITY EASEMENT WIDTH = 1.5' •DESIGN SPEED = 45 MPH



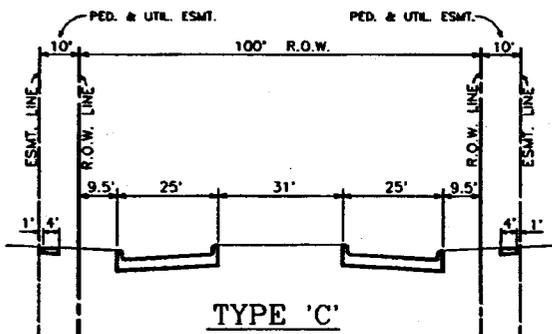
TYPE 'B'

•R.O.W. WIDTH = 100' •VEHICLE CAPACITY: 43,500 VEHICLES PER DAY
 •PEDESTRIAN & UTILITY EASEMENT WIDTH = 10' •DESIGN SPEED = 45 MPH



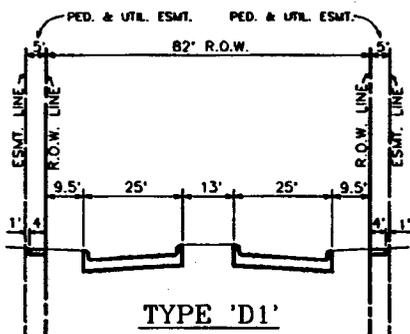
TYPE 'B4'

•R.O.W. WIDTH = 100' •VEHICLE CAPACITY: 29,000 VEHICLES PER DAY
 •PEDESTRIAN & UTILITY EASEMENT WIDTH = 10' •DESIGN SPEED = 45 MPH



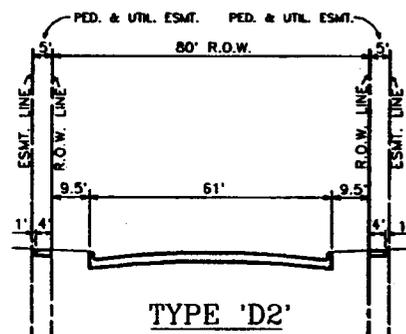
TYPE 'C'

•R.O.W. WIDTH = 100' •VEHICLE CAPACITY: 29,000 VEHICLES PER DAY
 •PEDESTRIAN & UTILITY EASEMENT WIDTH = 10' •DESIGN SPEED = 40 MPH



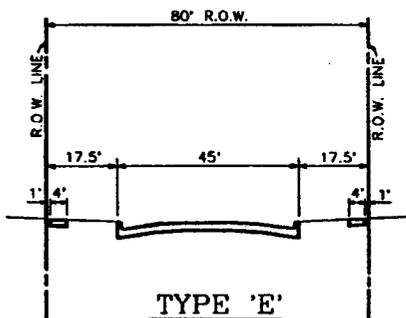
TYPE 'D1'

•R.O.W. WIDTH = 82' •VEHICLE CAPACITY: 22,000 VEHICLES PER DAY
 •PEDESTRIAN & UTILITY EASEMENT WIDTH = 5' •DESIGN SPEED = 40 MPH



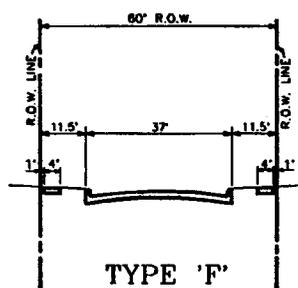
TYPE 'D2'

•R.O.W. WIDTH = 80' •VEHICLE CAPACITY: 25,000 VEHICLES PER DAY
 •PEDESTRIAN & UTILITY EASEMENT WIDTH = 5' •DESIGN SPEED = 35 MPH



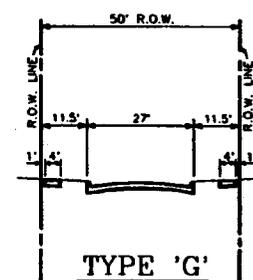
TYPE 'E'

•R.O.W. WIDTH = 80' •VEHICLE CAPACITY: 20,000 VEHICLES PER DAY
 •DESIGN SPEED = 35 MPH



TYPE 'F'

•R.O.W. WIDTH = 60' •VEHICLE CAPACITY: 10,000 VEHICLES PER DAY
 •DESIGN SPEED = 30 MPH



TYPE 'G'

•R.O.W. WIDTH = 50' •VEHICLE CAPACITY: 8,000 VEHICLES PER DAY
 •DESIGN SPEED = 30 MPH