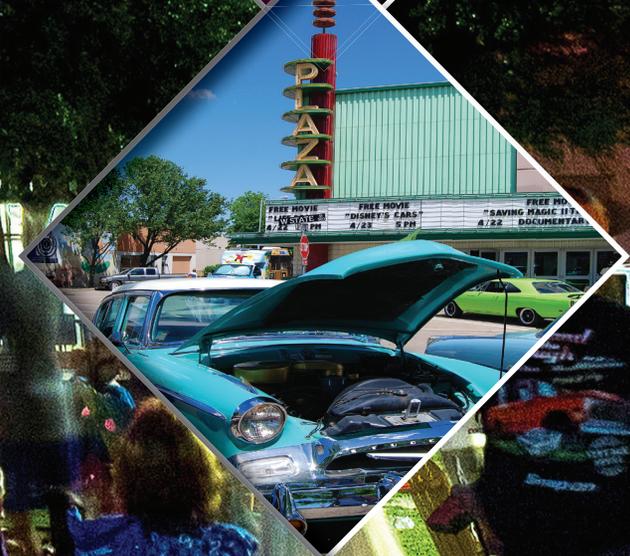
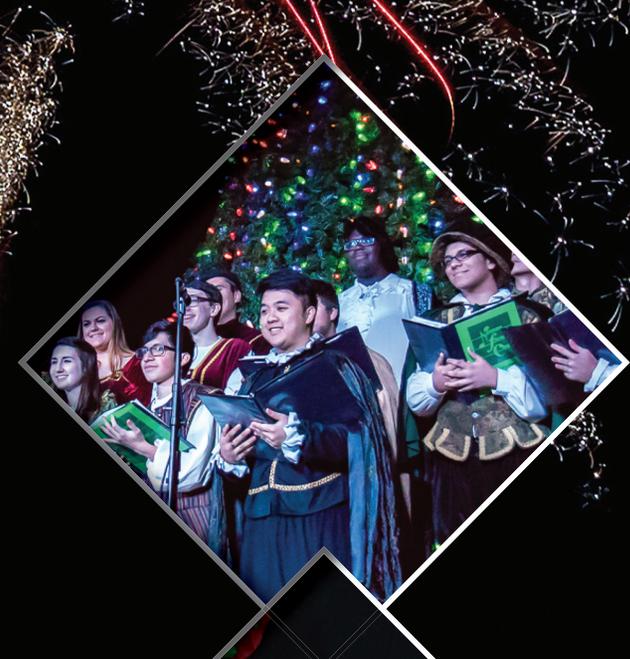


City of Garland, Texas 2019 Capital Improvement Program





GARLAND
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2019
Capital Improvement Program
City Council

Lori Barnett Dodson, Mayor

David Gibbons (District 1)

Deborah Morris (District 2)

Jerry Nickerson (District 3)

Jim Bookhout (District 4)

Rich Aubin (Mayor Pro Tem)

Robert Vera (District 6)

Scott LeMay (Deputy Mayor Pro Tem)

Robert John Smith (District 8)

Bryan L. Bradford, City Manager

City Council

2018-19



DAVID GIBBONS



LORI BARNETT DODSON
MAYOR



SCOTT LEMAY
DEPUTY MAYOR PRO TEM



ROBERT JOHN SMITH



ROBERT VERA



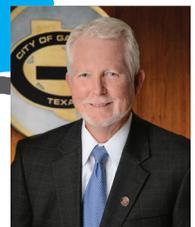
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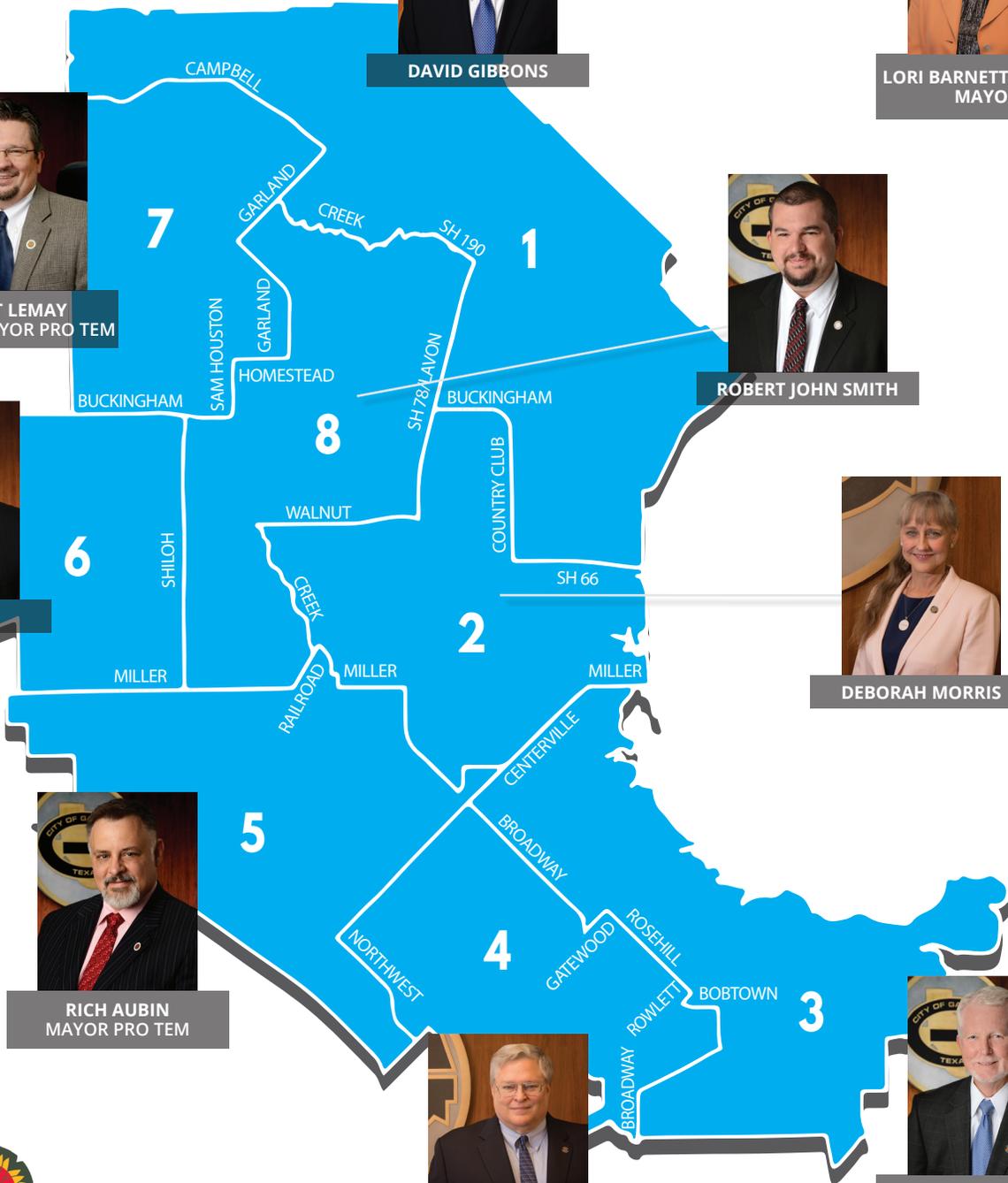
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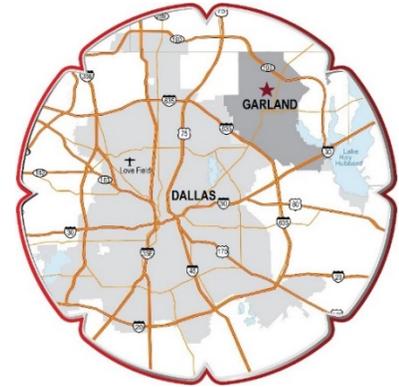


GARLAND

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 13th 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 238,293. Garland has an estimated 82,021 housing units and an employment base of approximately 126,901.

Population, Housing Units*, Employment (Estimates)

	2010	2018	Growth
Population	226,876	238,293	11,417
Housing Units	78,722	82,021	3,299
Employment	104,383	126,901	22,518

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. Most recent estimates place the city's population at 53.7% white, 14.9% African-American, 0.8% American Indian, 11.5% Asian, 3.7% two or more races, and 15.4% other race. An estimated 40.1% is Hispanic/Latino (of any race). More than 75% 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 the Garland Economic Development Partnership, the 2018 estimated average household income in Garland was \$72,568. Per the Dallas Central Appraisal District, the average market value for detached single-family residences in Garland for 2018 is \$182,605.

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 including approximately 300 manufacturing companies. The city has been noted as a manufacturing community since the 1940s, and numerous Fortune 500 corporations along with many others have selected Garland as home base for their strategic operations. The following is a partial list of industries:

Arrow Fabrication Tubing
Batory Foods
Daisy Brands, Inc.
Ecolab, Inc.
Epiroc Drilling Solutions
General Dynamics Corp.

Kirchhoff Automotive
Kraft Heinz Foods
L-3 Communications
Mapei Corporation
O’Neal Flat Rolled Metals
Packaging Corp. of America

Plastipak Packaging
Resistol Hats
Sears Logistics
Sherwin-Williams
US Food Services
Valspar Corporation

In response to the rapidly-increasing data traffic and location advantage, the DFW market is becoming one of the largest datacenter markets in the nation. The RagingWire Data Centers, one of the largest wholesale data centers in the US, opened its first 200,000 square-foot facility in 2017 and will continue to expand an additional 600,000 square feet. Additionally, the City announced a billion-dollar data center campus deal with Digital Realty in August 2017. The area along the George Bush Turnpike has recently seen a tremendous amount of commercial developments, such as data centers, mixed use, and other developments, totaling over \$3 billion in new investments. The city has a growing retail base with developments such as Firewheel Town Center – a lifestyle center featuring numerous department stores, specialty shops, restaurants, a hotel, and residential, as well as Bass Pro Shops on Lake Ray Hubbard.



In October 2017, the City of Garland bought the 24-acre, 235,000-square-foot Hypermart building, which had sat vacant for 12 years. The building's demolition marked an important milestone for the site – a key gateway to the City and a major investment anchor site along the Garland Road economic corridor. This acquisition is key to the South Garland Avenue Corridor Study. South Garland Avenue is a gateway into the community, providing direct access into Downtown and the city's primary employment center. Completing a study of the area offers an opportunity to draw additional visitors into Garland from I.H. 635 and encourages reinvestment that enhances the image of the community. Additionally, the approval by TxDOT of the \$1.8 billion LBJ East expansion project will provide enhanced connectivity and energize reinvestment.

The City also recently purchased land near I.H. 30 in South Garland to secure opportunities for a mix of potential land uses from single-family home development to restaurant, retail, and other neighborhood service establishments. Key to the overall effort, the City anticipates enhancements that will make the area much more pedestrian-friendly and attract additional investment to the area. Plans include a linear park with a hike and bike trail on both sides of Rosehill Road, improvements to Bobtown Road, and enhanced streetscape improvements along Rosehill Road. These projects intend to promote greater development synergy in and across South 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 in the Downtown Catalyst Area. In FY 2017-18, the Downtown TIF Board approved a Downtown TIF Project and Financing Plan that included the creation of a Downtown Development Office. A new Downtown Coordinator is focused on implementation of the project plan, including a façade improvement program, enhanced Square programming, and public art and infrastructure.

The area is leveraging transit-oriented development to increase the residential density. The goal of increasing residential density is being advanced through two catalyst projects and use of the tax credits. Successful mixed-use development in historic Downtown Garland includes the partnership with Oaks Properties, LLC, to add 153 apartment units next to City Hall in addition to the units built in 2008 at Oaks Fifth Street Crossing. The redevelopment of the Chase Bank building for apartments is under construction. The City of Garland completed City Hall renovations in 2017 and rededicated the building on March 3, 2017, as the William E. Dollar Municipal Building. Across the street, a new Economic Development Suite is located on the first level of 203 North Fifth Street.



Downtown welcomed 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 stands 17 feet tall with a base of 8 feet in diameter at the entry to the Granville Arts Center.

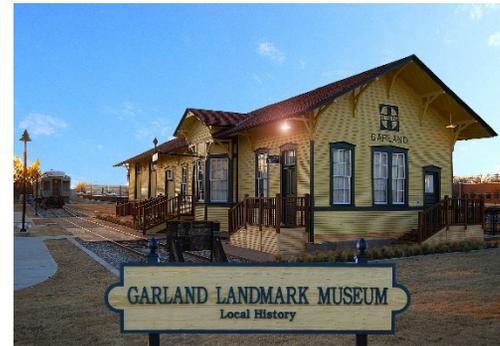


Embracing Our History

Two Downtown historic districts were listed on the National Register of Historic Places in 2017. A Garland neighborhood, known as the Travis College Hill Historic District, encompasses the area on South 11th Street between West Avenues B and D. 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.

A portion of the Downtown commercial district, roughly bounded by West State Street on the north, the Santa Fe Rail line and half a block fronting North Fourth Street on the east, West Avenue A on the south, and Glenbrook Drive on the west, is now known as the Garland Downtown Historic District on the National Register. Such a designation enhances Garland’s visibility as a tourism stop for history enthusiasts. Property owners within both historic districts are now eligible for State and Federal tax credits for qualifying repairs and renovations to their property.

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.



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

City 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.

In July 2019, the City will sponsor the North Texas Professional Golf Association Texas Women's Open at Firewheel Golf Park. Events produced by the Parks, Recreation and Cultural Arts Department hoping to attract Garland residents and the surrounding community include the Summer Music Series, a Mardi Gras event, and an Oktoberfest event. 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.



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.



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 355 sworn Police Officers and 264 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 is also home to Firewheel Golf Park, the largest municipal golf course in Texas, with 63 holes of championship-style golf.

The City of Garland is investing in its infrastructure through the Infrastructure Repair and Replacement Program. This program, led by the Street Department, aims to provide high-quality service to the citizens of Garland by maintaining, repairing, and replacing streets, alleys, and other related infrastructure. The program has increased from \$10 million in FY 2013-14 to \$27.2 million in FY 2018-19.



While providing traditional municipal services, the City of Garland also operates its own water, wastewater treatment, and electric utilities as well as maintaining and operating a regional landfill facility and offering both residential and commercial solid waste collection services.





GARLAND

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CIP MESSAGE



GARLAND

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March 5, 2019

Honorable Mayor and City Council
City of Garland, Texas

I am pleased to present the \$279.7 million 2019 Adopted 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, enhancement of parks, specialized equipment, and economic development initiatives. The 2019 CIP puts an emphasis on completing existing projects. The delay in starting new projects is designed to provide Council the flexibility to reprioritize programs after the 2019 Bond Program is taken to voters in May 2019.

The tax-supported portion of the CIP totals \$87.8 million and is heavily weighted towards the Street and Transportation Program. This Program, together with funding in the 2018-19 Operating Budget, will increase street reconstruction to \$27.2 million, which more than doubles the amount committed five years ago. In addition, \$22.2 million is programmed for projects designed to increase street capacity and includes Oates Road, Bobtown Road, and Shiloh Road, among others. The 2019 Drainage Program includes funding for the continued construction of drainage improvements in the Parkmont Drive area and the Bridge Remediation Program.

Additional tax-supported projects in the Park Program include a variety of projects such as the construction of a Dog Park and Skate Park along with renovation of the Granger Recreation Center, playground improvements at Central Park and One Eleven Ranch, and a host of other improvements designed to increase the quality of life for Garland citizens. Furthermore, the CIP includes funding to continue construction of life, fire, and safety upgrades at Central Library.

The 2019 CIP includes a new project for streetscape and infrastructure improvements in the Rosehill Targeted Investment Area. Also, there is a continued focus on Downtown, including the Walnut Street Pedestrian Corridor, gateway and streetscape improvements, and design of the Downtown Square. Other projects include land acquisition and the Neighborhood Vitality Grant Program.

The City Utilities portion of the 2019 CIP totals \$190.5 million. Within this amount is funding for Environmental Waste Services (EWS) to replace 11 pieces of equipment for the Collection fleet and the acquisition of property adjacent to the current EWS Recycling Center consistent with long-term plans for the facility. The Water Utility will continue to enhance transmission mains and distribution lines throughout the city and work with the Street Department on various projects. The Wastewater Utility will focus primarily on enhancing and modernizing the City's Wastewater Treatment Plants, including odor control at Duck Creek, and rehabilitation work on clay sewer mains while continuing to coordinate with the Street Department on the relocation of mains prior to paving.

The largest portion within the Utility component of the CIP is \$119.9 million for Garland Power & Light (GP&L) infrastructure. Major components of that total Program include the rebuilding of transmission lines that cross Lake Ray Hubbard, transmission lines and substations needed to address load growth in and around the North Garland area, and accommodating solar farms in West Texas that wish to connect to GP&L's CREZ transmission line.

Finally, the Internal Service Program totals \$1.4 million and includes the continuation of building restoration at Fleet Services, telephone system replacement, and upgrades to City network and cabling. A new project to replace fiber paths is also included in the 2019 CIP.

Debt Issuance

The \$279.7 million CIP will require the issuance of \$36.1 million in tax-supported debt, consisting of \$11.3 million in General Obligation (GO) authorized Commercial Paper and \$24.8 million in Certificates of Obligation (COs). The Utility and Internal Service Programs will require debt issuance totaling \$93.2 million, which includes \$3.8 million in COs and \$89.4 million in Revenue Bond authorized Commercial Paper.

Tax and Utility Rate Impacts

No increase in the Property Tax Rate for fiscal year 2019-20 is anticipated to fund the CIP Budget as presented. The 2019 CIP is, however, projected to contribute a modest amount toward the rate increases already anticipated for Water and Wastewater in FY 2019-20. The 2019 CIP also accounts for approximately 78 cents of the \$1.50 total rate increase projected for Environmental Waste Services' residential trash collection in FY 2019-20. No rate increase for GP&L customers is expected in association with that Utility's 2019 CIP Program.

I believe the 2019 CIP meets the Council's goal of striking a balance between addressing critical infrastructure needs and minimizing the tax and rate 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,



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) 2018 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 2019 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.

2018 CIP STATUS

The 2018 CIP Status section is divided into three parts. The first shows the completion rate of the 2018 CIP for each program area. The second reflects each project included in the 2018 CIP, the completion date estimated at the time the CIP was adopted, and the revised completion date as submitted by departments in October 2018. The third provides a schedule, by project, of estimated outstanding expenditures of funds from the 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 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 and 1997 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 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 and 30 years for Electric.

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 30-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 2018-19 Ad Valorem Tax Rate of 70.46 cents per \$100 of valuation, 31.06 cents or 44% is dedicated to Tax-Supported Debt Service.

**2018-19 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*.

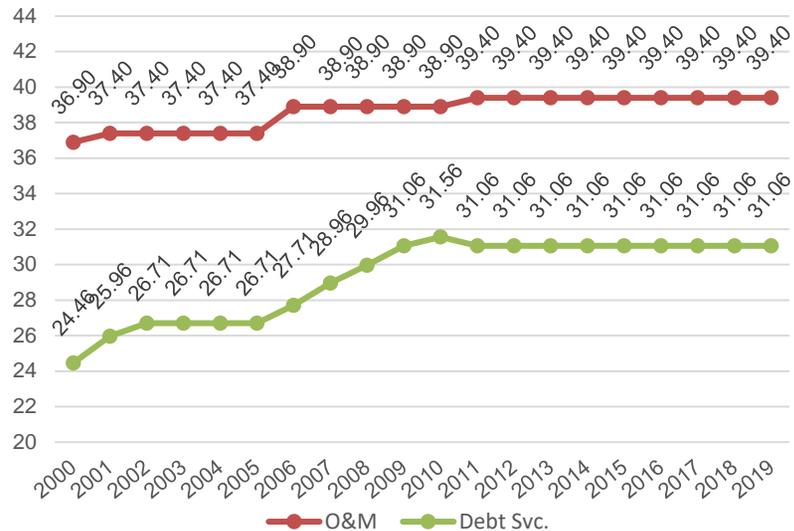
Detailed schedules reflecting the remaining 1997 and 2004 Bond projects are in the 2018 CIP Status section of the CIP. These schedules indicate the funding and estimated date of completion for each project.

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)**



2019 CAPITAL IMPROVEMENT PROGRAM OVERVIEW

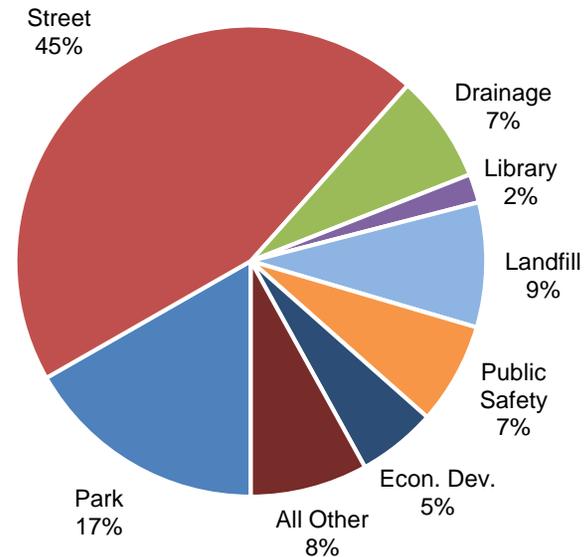
2019 Program Expenditures

The 2019 CIP totals \$279.7 million and includes the following program areas and expenditure amounts:

<u>Program Areas</u>	<u>Expenditures</u>
Tax-Supported Programs:	
(1) Park	\$ 14,698,000
(2) Street/Transportation	39,400,000
(3) Drainage	6,503,000
(4) Library	1,728,000
(5) Public Safety	6,129,000
(6) Economic Development	4,760,000
(7) Facilities and Miscellaneous	7,074,000
(8) Landfill/Transfer Station	7,519,000
Total Tax-Supported	87,811,000
Internal Service Programs:	
(1) Information Technology	1,096,000
(2) Fleet Services	294,000
Total Internal Service	1,390,000
Utility Programs:	
(1) Stormwater Management	300,000
(2) Environmental Waste Svcs.	3,377,000
(3) Water	25,614,000
(4) Wastewater	41,328,000
(5) Electric	119,896,000
Total Utility-Supported	190,515,000
Total 2019 CIP	\$279,716,000

The 2019 CIP reflects a decrease of approximately \$11.6 million (4.0%) from the 2018 Capital Budget of \$291.3 million. The Tax-Supported program increased by \$2.8 million (3.3%) from the 2018 Capital Budget of \$85.0 million. Of the total \$87.8 million in Tax-Supported programs, \$23.9 million (27.2%) is related to the 1997 and 2004 Bond projects funded from authorized debt.

2019 Tax-Supported Programs



2019 CIP Funding Sources

Of the total \$279.7 million 2019 CIP, \$121.8 million (43.5%) is carryover from previous Capital Budgets, \$139.4 million (49.9%) represents additional funding for projects begun in prior years, and \$18.5 million (6.6%) is related to projects being initiated for the first time in 2019. Funding the 2019 CIP work program will require new debt issuance of \$129.3 million compared to \$137.0 million in 2018. Of the \$129.3 million, \$92.3 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 2019 CIP
Current Funds:				
Cash Available	\$29,809,000	\$ 507,000	\$ 19,153,000	\$ 49,469,000
Intergovernmental Participation	9,118,000			9,118,000
Total Cash and Transfers	<u>38,927,000</u>	<u>507,000</u>	<u>19,153,000</u>	<u>58,587,000</u>
Debt Issuances:				
Prior-Year Approved Commercial Paper (CP)	<u>12,779,000</u>	<u>0</u>	<u>79,054,000</u>	<u>91,833,000</u>
1997 GO Bonds (CP)	59,000			59,000
2004 GO Bonds (CP)	11,279,000			11,279,000
2019 Certificates of Obligation (COs)	24,767,000	883,000	2,916,000	28,566,000
2019 Electric (CP)			55,332,000	55,332,000
2019 Water & Wastewater (CP)			34,060,000	34,060,000
Sub-Total New Debt Issuance	<u>36,105,000</u>	<u>883,000</u>	<u>92,308,000</u>	<u>129,296,000</u>
Total 2019 CIP Funding	<u>\$87,811,000</u>	<u>\$1,390,000</u>	<u>\$190,515,000</u>	<u>\$279,716,000</u>
Project Allocations:				
Existing Funding for Previously Approved	\$34,896,000	\$ 507,000	\$ 86,422,000	\$121,825,000
Continuation Funding for Previously Approved	40,367,000	733,000	98,327,000	139,427,000
Funding for New Projects	<u>12,548,000</u>	<u>150,000</u>	<u>5,766,000</u>	<u>18,464,000</u>
Total 2019 CIP	<u><u>\$87,811,000</u></u>	<u><u>\$1,390,000</u></u>	<u><u>\$190,515,000</u></u>	<u><u>\$279,716,000</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 2019 CIP.

**Anticipated
2019-20 Debt Service Tax Rate ***
(Cents per \$100 Valuation)

Current Rate	31.06 cents
2019-20 Increase Due to 2019 CIP	<u>0.00</u> cents
Total Debt Service Tax Rate	<u>31.06</u> cents

* The anticipated Debt Service Tax Rate does not take into account any potential impact from the 2019 Bond Program. The Tax Rate will not actually be set by the City Council until September 2019 as part of the adoption of the Annual Operating Budget.

Utility Rate Impacts and Projections

Water – Commercial Paper issuances of \$14.0 million are required to fund the 2019 Water Utility CIP and equate to an increase in Water rates of less than 1.0%. The total rate increase anticipated for FY 2019-20 is projected to be approximately 3.0% due to increased costs for water purchases from the North Texas Municipal Water District and increased costs to maintain and improve Water-related infrastructure.

Wastewater – Commercial Paper issuances of \$20.0 million are required to fund the 2019 Wastewater Utility CIP. Of the total Wastewater rate increase projected at 1.5% for FY 2019-20, the impact of the 2019 CIP is 1.0%. This projected rate increase is due primarily to costs associated with biosolids handling and treatment equipment needed for compliance with State and Federal regulations.

Electric – Commercial Paper issuances of \$55.3 million are required to fund the 2019 Electric Utility CIP program. No direct rate impact is anticipated to customers in FY 2019-20 as a result of the 2019 CIP.

Environmental Waste Services (EWS) - Delivery – A CO debt issue of \$2.9 million to fund the replacement of aging EWS - Delivery equipment will require approximately \$631,000 in new Debt Service payments for FY 2019-20. Of the total rate increase for EWS - Delivery projected at 7.7% for FY 2019-20, the impact of the 2019 CIP is 4.0%.

Stormwater Management – A CO debt issue of \$54,000 to fund the replacement of aging equipment needed to maintain drainageways will require approximately \$12,000 in new Debt Service payments for FY 2019-20, which is not anticipated to impact residential rates in FY 2019-20.

Program Overviews

The following sections include an overview of the 2019 projects in each of the program areas.

Park – \$14,698,000

Projects proposed to start construction in 2019 include fencing for the Audubon and Winters Soccer Complexes, pedestrian/bike bridges at Duck Creek, and Carter Softball Facility canopy replacement. Projects continuing construction include Granger Recreation Center renovation and Skating/Skateboard Facility.

A new project in 2019 is the pool UV filter replacement to address equipment needs at Surf & Swim Aquatic Facility and Bradfield Pool.

The Windsurf Bay Park erosion control, Dog Park, and cultural arts facilities renovation will be completed in 2019 as well as the expansion of centralized irrigation and lighting controls. Also, work will continue on repaving parking lots, trail development, and various other park/playground improvements.

Street/Transportation – \$39,400,000

Street/Transportation projects expected to begin construction in 2019 include Bobtown Road - Rowlett to Waterhouse, Shiloh Road - I.H. 635 to Kingsley, Waterhouse - Bobtown to Hayman, Oates Road - Channel Isle to Heron's Bay #3, and transit pass – bottleneck improvements.

New projects in 2019 include Navasota Drive – Blanco Lane to Castle Drive.

Projects scheduled for completion in 2019 include Oates Road – Broadway to Rosehill, Pleasant Valley Road – Richfield to Miles, Naaman School / Brand Alignment Study, and Leon Road.

Ongoing Street/Transportation programs to be continued in 2019 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 2019.

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. The increase in funding for street refurbishment is one aspect of the plan to address the City's streets.

Drainage – \$6,503,000

The Drainage program for 2019 includes funding for the continuation of the petition and local flooding programs as well as bridge remediation.

In addition, construction to address erosion protection along the drainage channel between Walnut Street and Classic Drive that extends from Bullock Drive to Forest Castle Drive and drainage improvements in the area of Parkmont Drive will be completed in 2019.

Library – \$1,728,000

The 2019 Library CIP program continues the Central Library Life and Safety Upgrades to bring the library to current Fire Code and upgrade stairwells. The project also includes upgrading the parking lot and parking lot lighting, access controls and security cameras, and ADA-compliant bathrooms.

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

Public Safety – \$6,129,000

Public Safety projects in 2019 include ambulance remounts, the replacement of fire apparatus, and the completion of the new Fire Station No. 5 project.

The Fire Health and Safety Equipment project has been added in 2019 to upgrade the current Magne Grip Exhaust Capture System at fire stations.

Also included in the 2019 Public Safety program is the completion of the P25 standard radio system used by Police, Fire, and other City departments.

Economic Development – \$4,760,000

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 Catalyst Area Improvements.

New project funding is included to implement the streetscape and Rosehill Development Agreement in the Rosehill Targeted Area approved by City Council in July 2017. The streetscape project provides landscaping, crosswalks, sidewalks, street lighting, and furniture along Rosehill Road between Bobtown

Road and I.H. 30. Additional public improvements will include access roads, drainage improvements, erosion control, and utilities.

Downtown improvement projects included in the 2019 CIP are the construction of gateways at critical entry points to Downtown and pedestrian-oriented streetscape improvements.

Also included in the Economic Development section is funding to continue the Neighborhood Vitality Grant Program, the Downtown Square design, and the completion of a pedestrian corridor to link the Downtown DART Station with various attractions and destinations in Downtown Garland.

Municipal Facilities and Misc. Tax Supported – \$7,074,000

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

The 2019 program includes the completion of renovations and foundation repair to the Carver 3 building and the renovation of the Carver Senior Center.

The 2019 CIP includes the replacement of 130 golf carts at the Old/Lakes Courses as well as two beverage carts.

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 systems upgrades; parking lot upgrades; infrastructure equipment replacement; and Firewheel Golf Park improvements.

Miscellaneous Revenue Supported and Internal Service – \$5,067,000

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

A new project for 2019 is replacement of the northern and wastewater route fiber paths to reduce risk of additional breaks and system outages. Active projects that will be continued in 2019 include telephone system replacement and upgrade of network and cabling at various City facilities.

Also, the exterior restoration of the Fleet Services workshops is scheduled to be completed in 2019.

In addition, the 2019 CIP includes the replacement of one rubber tire excavator and two tagalong trailers in the Stormwater Management operations and 11 pieces of equipment used in the Environmental Waste Services (EWS) - Delivery operations. The equipment requested for EWS includes six residential side-loaders, one side-load recycling collection truck, two brush trailers, one commercial front-load truck, and one knuckle boom truck. These pieces of equipment are beyond their useful lives and are requiring excessive ongoing repair and maintenance costs.

A new project in 2019 for EWS - Delivery is a land acquisition of a property adjacent to the current EWS Recycling Center to further overall long-term facility plans.

Landfill/Transfer Station – \$7,519,000

The 2019 Landfill/Transfer Station program includes the replacement of two articulating dump trucks and the replacement of one D8 dozer with a D9 dozer at the Hinton Landfill as well as the replacement of a 963 dozer at the

Transfer Station. These critical pieces of equipment are past their useful lives and are requiring extensive maintenance to keep operational.

A new project in 2019 is the construction of Waste Cell #8 and the remaining portion of the levee for the Phase 1 area of Hinton Landfill.

In addition, the Transfer Station Rebuild will be completed in 2019 as well as the expansion of the Hinton Landfill gas collection and control system, the wheel wash installation, and the addition of an automated weight scale system.

Water – \$25,614,000

The 2019 Water CIP includes continuation funding for transmission mains, water distribution line construction, replacement of water pump station equipment, fire hydrant installations, radio read water meter installations, and enhancements needed to meet water quality assurance standards. Also included for 2019 is additional funding for work required to relocate water mains prior to paving in conjunction with ongoing and upcoming Street projects. No new projects for Water are included in the 2019 CIP.

Wastewater – \$41,328,000

The Wastewater program for 2019 includes continuation funding for infiltration correction, sewer collection mains, cured-in-place pipe main and lateral lines rehabilitation, and improvements at both the Duck Creek and Rowlett Creek Wastewater Treatment Plants needed to ensure compliance with State and Federal environmental regulations. Also included is funding for work required to relocate sewer mains prior to paving in conjunction with ongoing and upcoming Street projects.

One new project included in the 2019 CIP addresses the rehabilitation of clay sewer mains that lie under dirt alleys and are primary sources of stoppages, contain protruding taps that block access for inspection by closed circuit cameras, and present increased access issues in wet weather. These specific types of sewer mains are among the oldest in the City and are found in several neighborhoods.

A second new project for the 2019 CIP includes odor control improvements at the Duck Creek Wastewater Treatment Plant to further prevent nuisance odors from interfering with normal activities occurring on property near that facility. Design work and construction will be handled in several initial phases with this work currently scheduled for completion in 2025.

Electric – \$119,896,000

Transmission Lines and Substations Upgrades are large contributors to Electric's 2019 CIP and include transmission lines and stations needed to accommodate solar farms in West Texas that wish to connect to GP&L's CREZ transmission line, the rebuilding and new construction of transmission lines and stations to address load growth in and around the North Garland area, and the rebuilding of transmission lines that cross Lake Ray Hubbard. Other projects for 2019 include replacing overhead distribution feeders with underground duct lines to accommodate planned City development on the south side of Rosehill Road and Interstate Highway 30, an autotransformer at the McCree Substation, MVAR capacitors at the Lookout Substation, and other equipment upgrades and replacements.

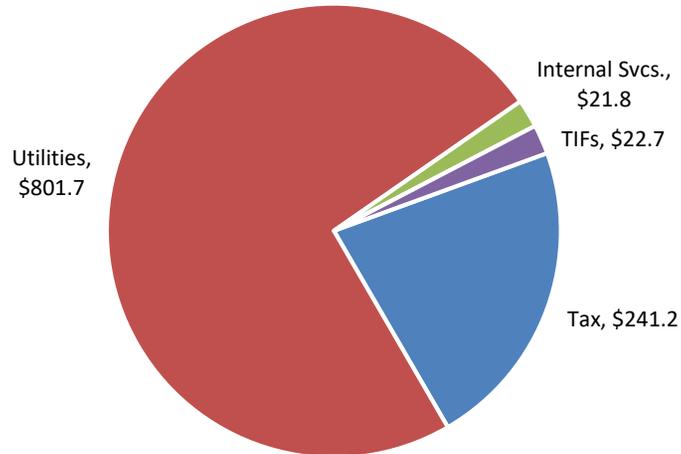
The 2019 CIP for Electric also provides continuation funding in several areas including overhead and underground distribution facilities, street and thoroughfare lighting, residential construction, communications upgrades, production facilities, commercial and industrial construction, and relocation of facilities.

OUTSTANDING DEBT

Total Outstanding Debt

Including the issuances for the 2019 CIP, Garland's total outstanding debt is projected to be \$1.1 billion by the end of FY 2018-19. Of this amount, \$241.2 million is tax-supported, \$2.0 million supported by the Downtown TIF, and eventually, \$20.7 million is to be supported by the I.H. 30 TIF. The remaining \$823.5 million is supported by the Utilities and Internal Service Funds.

Projected Outstanding Debt
(In Millions)



Projected Outstanding Debt **FYE 2018-19**

Tax-Supported Debt:

General Obligation Bonds	\$ 117,175,000
Certificates of Obligation	96,172,000
Commercial Paper	27,889,000
Total Tax-Supported Debt	241,236,000

TIF-Supported Debt - Harbor Point	20,690,000
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TIF-Supported Debt - Downtown	2,025,000
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Total Tax-Supported & TIF Debt	\$ 263,951,000
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Revenue-Supported Debt:

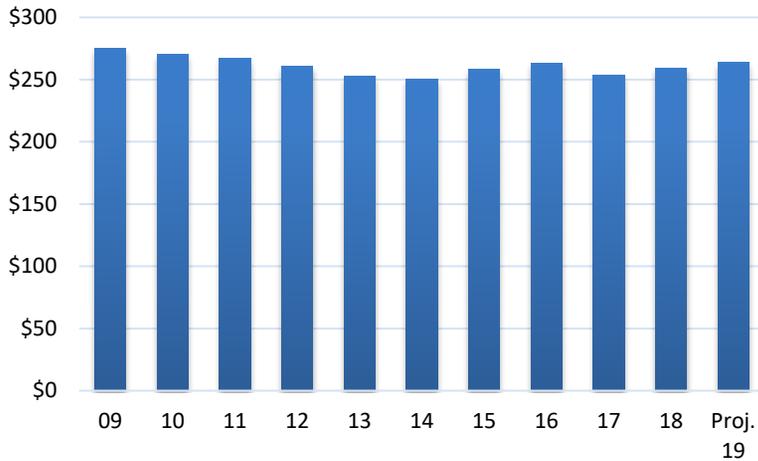
General Obligation Bonds	\$ 14,945,000
Certificates of Obligation	159,081,000
Revenue Bonds	500,040,000
Commercial Paper	149,392,000
Total Revenue-Supported Debt	\$ 823,458,000

Total Projected Outstanding Debt	\$1,087,409,000
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Tax-Supported and TIF-Supported Outstanding Debt

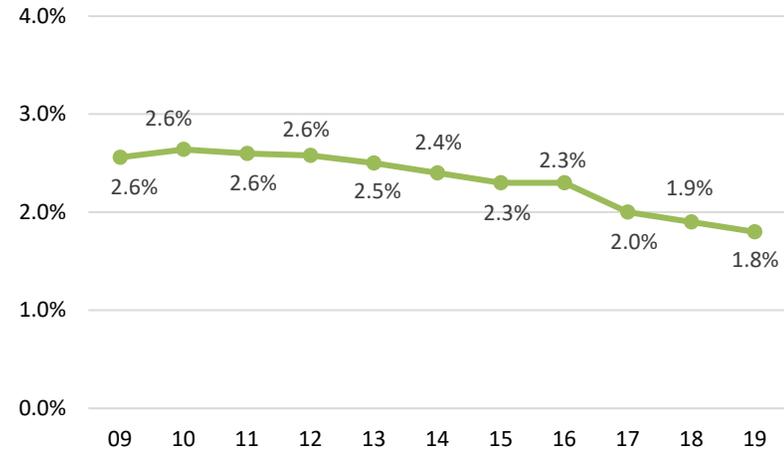
Assuming no project delays, long-term tax-supported and TIF-supported debt is projected to be \$264.0 million by the end of FY 2018-19. This reflects a decrease of \$11.2 million (4.1%) since 2009 due mostly to the decline in the tax base and elongation of the Bond Programs experienced during the recession.

Historical Tax-Supported Debt Levels
(In Millions)

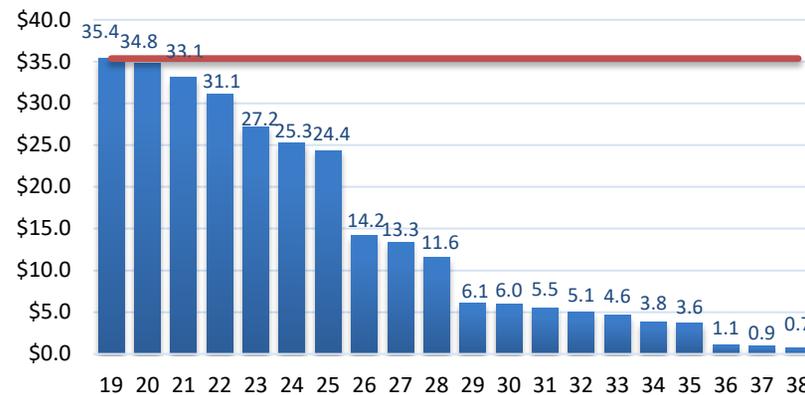


While the State of Texas does not place a debt limitation on Home-Rule cities, Council financial policies restrict tax-supported debt to 5% of the assessed valuation of taxable property. Projected tax-supported long-term debt equates to 1.8% of Garland’s 2018 estimated tax base, which is well below the 5% limitation.

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

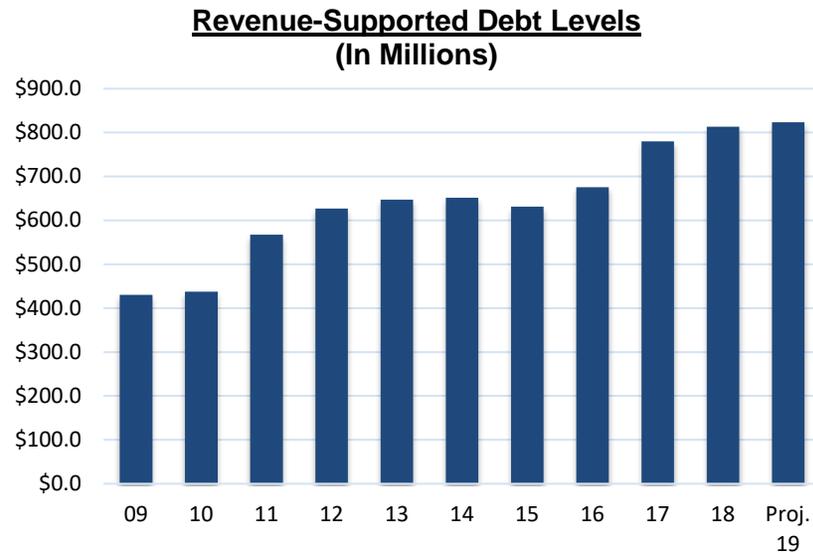


Existing Long-Term Tax-Supported Debt Service
(In Millions)



Revenue-Supported Outstanding Debt

Revenue-supported debt is projected to reach \$823.5 million by the end of FY 2018-19. This reflects an increase of \$393.3 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 2018-19 and the change in outstanding obligations from ten years ago for each area.

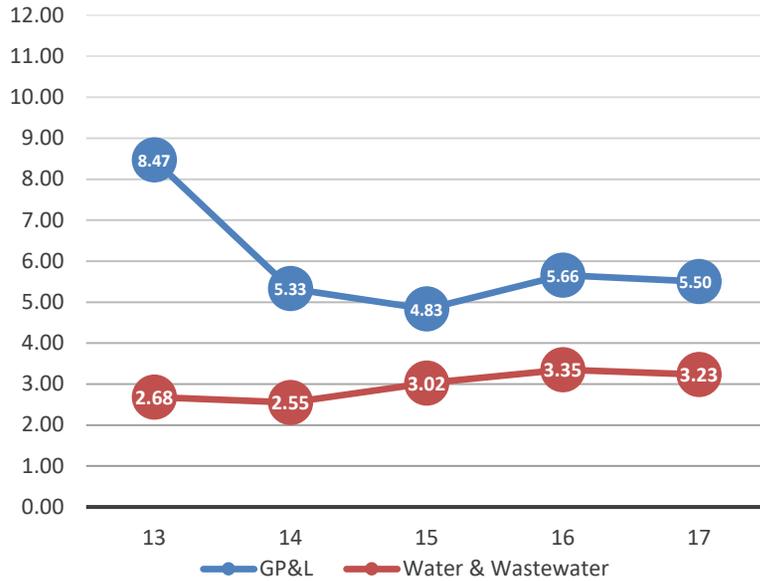
Projected Revenue-Supported Outstanding Debt
FYE 2018-19

	Projected Outstanding Debt	Change from 2009
Electric Utility	\$564.5	\$398.5
Water Utility	107.2	33.3
Wastewater Utility	117.7	(35.8)
Env. Waste Svcs. - Delivery	10.6	7.3
Stormwater Management	1.7	1.7
Internal Service	21.8	(11.7)
Totals	<u>\$823.5</u>	<u>\$393.3</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.

**Pledged-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)**

	2019	2020	2021	2022	2023	2024 to Completion	Total Expenditures
Tax-Supported							
Park	\$ 14,698	\$ 11,667	\$ 9,864	\$ 4,851	\$ 3,500	\$ 4,856	\$ 49,436
Street	39,400	35,499	23,394	22,919	14,459	34,073	169,744
Drainage	6,503	7,300	200	440	2,108	6,313	22,864
Library	1,728	2,505	-	-	-	-	4,233
Public Safety	6,129	6,098	5,622	6,962	5,522	8,025	38,358
Economic Development	4,760	5,193	2,754	3,419	576	3,810	20,512
Municipal Facilities/Miscellaneous	7,074	2,300	2,150	2,452	2,750	-	16,726
Landfill/Transfer Station	7,519	2,497	2,248	3,148	2,865	-	18,277
Total Tax-Supported	<u>\$ 87,811</u>	<u>\$ 73,059</u>	<u>\$ 46,232</u>	<u>\$ 44,191</u>	<u>\$ 31,780</u>	<u>\$ 57,077</u>	<u>\$ 340,150</u>
Revenue-Supported							
Miscellaneous	\$ 5,067	\$ 3,790	\$ 4,220	\$ 3,987	\$ 4,578	\$ -	\$ 21,642
Water	25,614	18,150	17,390	13,225	13,225	-	87,604
Wastewater	41,328	36,911	28,450	26,705	28,035	101,655	263,084
Electric	119,896	60,173	61,704	19,411	17,097	-	278,281
Total Revenue-Supported	<u>\$ 191,905</u>	<u>\$ 119,024</u>	<u>\$ 111,764</u>	<u>\$ 63,328</u>	<u>\$ 62,935</u>	<u>\$ 101,655</u>	<u>\$ 650,611</u>
Total CIP Expenditures	<u>\$ 279,716</u>	<u>\$ 192,083</u>	<u>\$ 157,996</u>	<u>\$ 107,519</u>	<u>\$ 94,715</u>	<u>\$ 158,732</u>	<u>\$ 990,761</u>

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

	2019	2020	2021	2022	2023	2024 to Completion	Total Debt
Tax-Supported							
General Obligation Debt							
Park	\$ 478	\$ 2,662	\$ 3,422	\$ -	\$ -	\$ 4,856	\$ 11,418
Street	8,959	11,138	4,505	8,620	1,911	24,783	59,916
Drainage	360	-	200	440	2,108	4,113	7,221
Public Safety	-	-	600	-	-	425	1,025
Economic Development	1,541	927	100	880	-	3,810	7,258
Total Taxable GO	\$ 11,338	\$ 14,727	\$ 8,827	\$ 9,940	\$ 4,019	\$ 37,987	\$ 86,838
Tax-Supported							
Certificates of Obligation							
Park	\$ 6,412	\$ 7,929	\$ 6,442	\$ 4,851	\$ 3,500	\$ -	\$ 29,134
Street	7,116	15,936	17,137	13,299	12,548	9,290	75,326
Drainage	4,269	6,466	-	-	-	2,200	12,935
Library	-	1,078	-	-	-	-	1,078
Public Safety	3,572	6,098	5,022	6,962	5,522	7,600	34,776
Economic Development	1,113	4,257	2,654	2,539	576	-	11,139
Municipal Facilities/Miscellaneous	2,019	2,050	1,900	2,428	2,750	-	11,147
Landfill/Transfer Station	266	2,497	2,248	3,148	2,865	-	11,024
Total Taxable CO	\$ 24,767	\$ 46,311	\$ 35,403	\$ 33,227	\$ 27,761	\$ 19,090	\$ 186,559
Revenue Bond/Commercial Paper							
Water	\$ 14,035	\$ 17,955	\$ 17,390	\$ 13,225	\$ 13,225	\$ -	\$ 75,830
Wastewater	20,025	34,780	27,485	26,705	28,035	101,655	238,685
Electric	55,332	60,173	61,704	19,411	17,097	-	213,717
Total Revenue Bond	\$ 89,392	\$ 112,908	\$ 106,579	\$ 59,341	\$ 58,357	\$ 101,655	\$ 528,232
Revenue							
Certificates of Obligation							
MIS	\$ 883	\$ 733	\$ 313	\$ -	\$ -	\$ -	\$ 1,929
Fleet Services	-	-	-	-	-	-	-
Env. Waste Svcs. - Delivery	2,894	2,487	3,390	3,437	4,078	-	16,286
Stormwater Management	54	500	500	500	500	-	2,054
Total Revenue CO	\$ 3,831	\$ 3,720	\$ 4,203	\$ 3,937	\$ 4,578	\$ -	\$ 20,269
Total Debt Issuance	\$ 129,328	\$ 177,666	\$ 155,012	\$ 106,445	\$ 94,715	\$ 158,732	\$ 821,898

DEBT ALLOCATION

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

PROGRAM	TOTAL BONDS AUTHORIZED	BONDS/CP ISSUED	APPROVED COMMERCIAL PAPER ISSUE	AUTHORIZATION OUTSTANDING	Bond/Commercial Paper Sales					2024 to Completion	Total
					2019	2020	2021	2022	2023		
Park 1991	\$5,144	\$5,084	\$60	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Park 1997	12,370	11,039	1,331	0	0	0	0	0	0	0	0
Cultural Arts 1997	3,440	3,440	0	0	0	0	0	0	0	0	0
Park 2004	21,680	6,384	3,878	11,418	478	2,662	3,422	0	0	4,856	11,418
TOTAL PARK/CULTURAL ARTS	\$42,634	\$25,947	\$5,269	\$11,418	\$478	\$2,662	\$3,422	\$0	\$0	\$4,856	\$11,418
Street 1991	\$42,497	\$42,415	\$82	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Street 1997	72,210	69,061	2,890	259	59	200	0	0	0	0	259
Street 2004	113,370	48,252	5,461	59,657	8,900	10,938	4,505	8,620	1,911	24,783	59,657
TOTAL STREET	\$228,077	\$159,728	\$8,433	\$59,916	\$8,959	\$11,138	\$4,505	\$8,620	\$1,911	\$24,783	\$59,916
Drainage 1997	\$10,570	\$10,503	\$67	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Drainage 2004	28,000	15,610	5,169	7,221	360	0	200	440	2,108	4,113	7,221
TOTAL DRAINAGE	\$38,570	\$26,113	\$5,236	\$7,221	\$360	\$0	\$200	\$440	\$2,108	\$4,113	\$7,221
Library 1997	\$5,890	\$5,878	\$12	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Library 2004	9,400	9,386	14	0	0	0	0	0	0	0	0
TOTAL LIBRARY	\$15,290	\$15,264	\$26	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Public Safety 1991	\$7,226	\$7,153	\$73	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Public Safety 1997	19,890	19,771	119	0	0	0	0	0	0	0	0
Public Safety 2004	12,950	11,860	65	1,025	0	0	600	0	0	425	1,025
TOTAL PUBLIC SAFETY	\$40,066	\$38,784	\$257	\$1,025	\$0	\$0	\$600	\$0	\$0	\$425	\$1,025
Municipal Facilities 1997	\$1,710	\$1,521	\$189	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Economic Development 2004	\$11,180	\$3,174	\$1,668	\$6,338	\$1,541	\$927	\$100	\$880	\$0	\$2,890	\$6,338
Land Acquisition 2004	\$3,420	\$55	\$2,445	\$920	\$0	\$0	\$0	\$0	\$0	\$920	\$920
Harbor Point Project 2004	\$23,745	\$23,745	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$404,692	\$294,331	\$23,523	\$86,838	\$11,338	\$14,727	\$8,827	\$9,940	\$4,019	\$37,987	\$86,838
Total 1991	\$54,867	\$54,652	\$215	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total 1997	126,080	121,213	4,608	259	59	200	0	0	0	0	259
Total 2004	223,745	118,466	18,700	86,579	11,279	14,527	8,827	9,940	4,019	37,987	86,579
TOTAL	\$404,692	\$294,331	\$23,523	\$86,838	\$11,338	\$14,727	\$8,827	\$9,940	\$4,019	\$37,987	\$86,838

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

PROGRAM	2019	2020	2021	2022	2023	2024 to Completion	Total
Tax Supported							
Park/Cultural Arts	\$6,412	\$8,212	\$6,442	\$4,851	\$3,500	\$0	\$29,417
Street	7,116	15,936	18,337	20,814	24,748	21,050	108,001
Drainage	4,269	6,466	0	0	0	2,200	12,935
Library	0	1,078	0	0	0	0	1,078
Public Safety	3,572	11,336	17,974	15,442	5,522	7,600	61,446
Economic Development	1,113	5,357	2,654	2,539	576	0	12,239
Municipal Facilities & Tax Supported	2,019	2,050	1,900	2,428	2,750	0	11,147
Landfill/Transfer Station	266	3,999	2,248	3,148	2,865	0	12,526
Total Tax Supported *	\$24,767	\$54,434	\$49,555	\$49,222	\$39,961	\$30,850	\$248,789
Internal Service							
Fleet Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Management Information Services	883	733	313	0	0	0	1,929
Total Internal Service	\$883	\$733	\$313	\$0	\$0	\$0	\$1,929
Utilities							
EWS	\$2,894	\$2,487	\$3,390	\$3,437	\$4,078	\$0	\$16,286
Stormwater Management	54	500	500	500	500	0	2,054
Total Utilities	\$2,948	\$2,987	\$3,890	\$3,937	\$4,578	\$0	\$18,340
TOTAL ESTIMATED CO ISSUE	\$28,598	\$58,154	\$53,758	\$53,159	\$44,539	\$30,850	\$269,058
* Total Tax Supported CO Issue Under Consideration for Bond Program	\$0	\$14,398	\$30,387	\$28,550	\$18,110	\$27,270	\$118,715

2019 CERTIFICATE OF OBLIGATION ISSUE

Park/Cultural Arts	
Granger Rec. Center & Annex Renovation	\$1,975,000
Playground Improvements	910,000
Repaving of Parking Lots for Parks Dept.	3,227,000
Cultural Arts Facilities Renovations	<u>300,000</u>
Total Park / Cultural Arts	<u><u>\$6,412,000</u></u>
Street	
New Sidewalks	\$266,000
Naaman School / Brand Alignment Study	100,000
Infrastructure Equipment	216,000
Street Reconstruction and Improvements	<u>6,750,000</u>
Total Street	<u><u>\$7,332,000</u></u>
Drainage	
Miscellaneous Flooding	\$2,472,000
Petition Drainage	690,000
Parkmont Drive	<u>1,107,000</u>
Total Drainage	<u><u>\$4,269,000</u></u>
Public Safety	
Ambulance Replacement	\$682,000
Replace Fire Apparatus	<u>2,890,000</u>
Total Public Safety	<u><u>\$3,572,000</u></u>

2019 CERTIFICATE OF OBLIGATION ISSUE

Economic Development	
Rosehill Streetscape & Public Improvements	<u>\$1,113,000</u>
Total Economic Development	<u><u>\$1,113,000</u></u>
Facilities Management	
HVAC Replacement/Upgrade	\$918,000
Roof Replacement	500,000
Facilities Upgrades	278,000
Fire Alarm, Safety and Security Systems	<u>107,000</u>
Total Facilities Management	<u><u>\$1,803,000</u></u>
Landfill/Transfer Station	
Replacement of Transfer Station Equipment	<u>\$266,000</u>
Total Landfill/Transfer Station	<u><u>\$266,000</u></u>
TOTAL TAX SUPPORTED OBLIGATION	<u><u>\$24,767,000</u></u>

2019 CERTIFICATE OF OBLIGATION ISSUE

Environmental Waste Services - Delivery	
Replacement of Side-Load Residential Trucks	\$1,853,000
Replacement of Recycling Truck	284,000
Replacement of Commercial Front-Load Truck	337,000
Replacement of Knuckle Boom Truck	120,000
EWS Land Acquisition	300,000
	<hr/>
Total Environmental Waste Services - Delivery	\$2,894,000
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Management Information Services	
Network and Cabling Upgrades	\$320,000
Telephone System Replacement	413,000
Wastewater/Northern Route Fiber Replacement	150,000
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Total Management Information Services	\$883,000
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Stormwater Management	
Stormwater Maintenance Equipment	\$54,000
	<hr/>
Total Stormwater Management	\$54,000
	<hr/> <hr/>
TOTAL UTILITIES OBLIGATION	\$3,831,000
	<hr/> <hr/>
TOTAL CO ISSUE	\$28,598,000
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2019 REVENUE SUPPORTED COMMERCIAL PAPER ISSUE

Water	
Transmission Mains (16-Inch and Above)	\$2,755,000
Distribution Lines (Up to 14-Inch)	1,515,000
Relocation of Mains Prior to Paving	4,405,000
Water Service Installation	130,000
Upgrade Undersized Water Mains	1,630,000
Water Distribution Line Replacement	750,000
Radio Read Water Meter Retrofit	1,000,000
Country Club/Bobtown Road Water Trans. Mains	550,000
Roan Road Water Transmission Main	1,300,000
	<hr/>
Total Water	<u><u>\$14,035,000</u></u>
Wastewater	
Infiltration Correction - Various	\$1,480,000
Sewer Collection Mains - Manholes	580,000
Sanitary Sewer Taps - New or Relocations	80,000
Collection Mains	1,865,000
Cured-in-Place Pipe Main & Lateral Rehab	1,000,000
Relocation of Mains Prior to Paving	5,795,000
Lift Station Abandonment	50,000
Duck Creek Interceptor Rehab	160,000
Rowlett Interceptor Rehab	1,115,000
Walnut-I	175,000
S.H. 190 Catalyst Area	35,000
Rehab Sewer Collection Mains in Dirt Alleys	1,950,000
Rowlett Creek WWTP Processes Improvements	2,915,000
Rowlett Creek WWTP Replacements/Mods.	615,000
Duck Creek WWTP Replacements/Mods.	560,000
Rowlett Creek Admin. Building Renovation	750,000
Duck Creek WWTP Odor Control	900,000
	<hr/>
Total Wastewater	<u><u>\$20,025,000</u></u>

2019 REVENUE SUPPORTED COMMERCIAL PAPER ISSUE

Electric	
Transmission Lines	\$26,352,000
Communications Upgrades/Improvements	\$800,000
Commercial and Industrial Construction	1,994,000
Distribution Lines - Overhead	2,637,000
Distribution Lines - Underground	1,930,000
Substations Upgrades	21,300,000
Various Improvements	<u>319,000</u>
Total Electric	<u>\$55,332,000</u>
TOTAL COMMERCIAL PAPER OBLIGATION	<u><u>\$89,392,000</u></u>

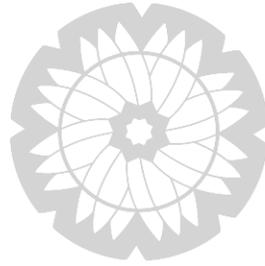
2018 CIP STATUS

CITY OF GARLAND CAPITAL IMPROVEMENT PROGRAM 2018 STATUS REPORT

INTRODUCTION

The Capital Improvement Program (CIP) Status Report summarizes the current standing of projects included in the 2018 CIP, which was approved by the City Council on February 20, 2018. The Status Report is divided into three major sections including:

- (1) **Completion Rate** – Completion rate of the 2018 CIP for each program area. Reflects the percentage of 2018 funding projected to be expended by the end of the 2018 calendar year.
- (2) **Project Schedule** – A schedule reflecting each project included in the 2018 CIP, the completion date estimated at the time the CIP was adopted, and the revised completion date as submitted by departments in October 2018.
- (3) **Remaining 1997 and 2004 Bond Projects** – Schedule of uncompleted projects authorized in the 1997 and 2004 Bond Referendums, with updated completion dates.



GARLAND

TEXAS MADE HERE

Completion Rate

2018 CIP – COMPLETION RATE

Program Areas	Completion Rate
Tax-Supported Programs:	
Park	29.6%
Street/Transportation	55.5%
Drainage	88.5%
Library	37.4%
Public Safety	54.0%
Economic Development	82.6%
Facilities and Miscellaneous	56.9%
Landfill/Transfer Station	37.1%
Total Tax-Supported	56.9%
Internal Service	66.4%
Utility Programs:	
Environmental Waste Services	87.2%
Stormwater Management	78.2%
Water	53.3%
Wastewater	47.3%
Electric	60.7%
Total Utility-Supported	57.8%
Grand Total	57.6%

Additional information is included that reflects the original completion dates as projected in December 2017 and updated completion dates as revised by departments in October 2018.



GARLAND

TEXAS MADE HERE

Project Schedule

2018 CIP STATUS BY PROJECT

Park		2018 Approved Completion Date	2019 Proposed Completion Date	Project Delay (Months)
18209	Trail Development	Ongoing	Ongoing	
18318	Surf & Swim Aquatic Facility Expansion	Ongoing	Ongoing	
18320	Granger Recreation Center & Annex Renovation	June-2020	December-2020	(6)
18325	Audubon Recreation Center Expansion	June-2020	March-2022	(21)
18327	Gale Fields Recreation Center Expansion	June-2022	December-2021	6
18329	Tuckerville Park Sports Field Development	December-2027	December-2025	24
18330	Skating/Skateboard Facility	June-2019	Ongoing	
18331	Expand Centralized Irrigation/Lighting Control	July-2018	May-2019	
18332	Land Acquisition	Ongoing	Ongoing	
18334	Audubon Park Picnic Area Paving Replacement	April-2023	November-2020	29
18335	Gatewood Picnic Pavilion	November-2022	December-2020	23
18337	Windsurf Bay Park	August-2019	November-2020	(15)
18338	Playground Improvements	Ongoing	Ongoing	
18345	Repaving of Parking Lots for Parks Department	Ongoing	Ongoing	
18346	Park Operations Facility Improvements	September-2023	December-2021	21
18347	Dog Park	June-2019	November-2019	(5)
18348	Park Lighting Improvements - Parking Lots	Ongoing	Ongoing	
18350	Fencing - Audubon and Winters Soccer Complex	December-2018	December-2019	(12)
18351	Pedestrian/Bike Bridges - Duck Creek	December-2018	July-2020	(19)
18353	Carter Softball Facility Canopy Replacement	December-2018	May-2019	(5)
18354	Greenbelt Drainage Improvements	December-2019	December-2020	(12)
18355	Cultural Arts Facilities Renovations	December-2019	December-2019	

2018 CIP STATUS BY PROJECT

		2018 Approved Completion Date	2019 Proposed Completion Date	Project Delay (Months)
<u>Street/Transportation</u>				
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-2023	December-2025	(24)
14261	Oates Road - Broadway to Rosehill	December-2019	December-2019	
14264	Callejo Road - Botello to Campbell	December-2025	December-2025	
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-2020	December-2020	
14273	Brand Road - S.H. 190 to Muirfield	December-2022	December-2023	(12)
14288	Shiloh Road - I.H. 635 to Kingsley	December-2020	December-2021	(12)
14292	Pleasant Valley Road - Richfield to Miles	December-2018	December-2019	(12)
14301	Screen Wall Reconstruction	Ongoing	Ongoing	
14302	Naaman School / Brand / Campbell Alignment	June-2020	June-2019	12
14303	Waterhouse - Bobtown to Hayman	December-2020	December-2020	
14305	Holford Road - PGBT to Creekwood (Scope Change)	December-2020	December-2021	(12)
14306	Holford Road - Arapaho to PGBT	December-2022	December-2025	(36)
14309	Oates Road - Channel Isle to Heron's Bay #3	December-2018	December-2019	(12)
14311	Leon Road	December-2018	March-2019	(3)
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-2020	December-2020	
15620	Signal Equipment Modernizations	Ongoing	Ongoing	
15751	Train Quiet Zone	Ongoing	Ongoing	
14304	LBJ Sound Wall Aesthetics	June-2018	June-2019	(12)
14307	Transit Pass - Bottleneck Improvements	December-2021	December-2022	(12)
39818	Street Reconstruction and Improvements	Ongoing	Ongoing	
39833	Linda Drive - Cumberland Dr. to Dairy Rd.	COMPLETE	COMPLETE	
39834	High Hollow Drive - High Grove to High Mesa	COMPLETE	COMPLETE	
39835	Freemont Drive - Miller to Southwood	COMPLETE	COMPLETE	
39836	Alto Drive - Curtis Dr. to Dairy Rd.	COMPLETE	COMPLETE	

2018 CIP STATUS BY PROJECT

		2018 Approved Completion Date	2019 Proposed Completion Date	Project Delay (Months)
<u>Drainage</u>				
14230	Miscellaneous Flooding	Ongoing	Ongoing	
14231	Petition Drainage	Ongoing	Ongoing	
14244	Classic and Yale	December-2024	December-2024	
14245	Garland Heights / Freeman	December-2023	December-2024	(12)
14246	Parkmont Drive	December-2019	June-2019	6
14248	Bridge Remediation	Ongoing	Ongoing	
14299	Downtown Drainage Improvements	June-2018	COMPLETE	
<u>Library</u>				
19581	Facilities Upgrades	Ongoing	Ongoing	
19584/5	Central Library Life and Safety Upgrades Scope A/B	December-2018	December-2020	(24)
19587	RFID Service Delivery	June-2018	COMPLETE	
<u>Public Safety</u>				
Fire				
12032	Fire Station No. 5	June-2018	February-2019	(8)
12099	Remodel Fire Station No. 7	December-2025	July-2027	(19)
12101	Relocate Fire Station No. 1	December-2025	December-2023	24
12107	Ambulance Remounts	Ongoing	Ongoing	
12058	Replace Fire Apparatus	Ongoing	Ongoing	
12108	Emergency Respose Safety Equipment	December-2019	December-2020	(12)
Management Information Services				
23047	Radio System Replacement	June-2018	June-2019	(12)

2018 CIP STATUS BY PROJECT

		2018 Approved Completion Date	2019 Proposed Completion Date	Project Delay (Months)
<u>Economic Development</u>				
Engineering				
10046	Land/Property Acquisition	Ongoing	December-2019	
10510	Downtown Street/Sidewalk/Parking Study	December-2021	December-2022	(12)
Planning				
10027	Downtown Streetscape & Redevelopment Design	Ongoing	Ongoing	
10032	Land Acquisition	Ongoing	Ongoing	
10034	Neighborhood Vitality Grant Program	December-2021	December-2019	24
10042	Downtown Gateways	December-2019	December-2020	(12)
10043	Downtown Square Design & Construction	December-2020	December-2020	
10044	Forest/Jupiter Streetscape	December-2023	December-2022	12
10049	Commercial Corridor Revitalization	December-2023	December-2024	(12)
10127	Walnut Street Pedestrian Corridor	May-2019	May-2019	
10136	City Center Development	June-2018	COMPLETE	
10508	Economic Development Office	August-2018	COMPLETE	
10509	Citywide Gateways	Ongoing	REMOVED	
<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 Center Renovation	April-2019	June-2019	(2)
16104	City Hall Code/Safety Updates	February-2018	COMPLETE	
16067	Carver Senior Center Renovation	April-2019	April-2019	
Firewheel				
36529	Firewheel Golf Park Equipment	Ongoing	COMPLETE	
36530	Firewheel Golf Park Improvements	Ongoing	Ongoing	
36531	Firewheel Golf Park Cart Replacements	Ongoing	Ongoing	
Public & Media Relations				
16084	CGTV - Upgrades	Ongoing	Ongoing	
Street				
39811	Infrastructure Equipment	Ongoing	Ongoing	

2018 CIP STATUS BY PROJECT

		2018 Approved Completion Date	2019 Proposed Completion Date	Project Delay (Months)
<u>Miscellaneous Revenue Supported and Internal Service</u>				
EWS Group - Delivery				
21070	95-Gallon Recycling Containers - Phases 5 thru 6	February-2018	COMPLETE	
21068	Replacement of Side-Load Residential Trucks	Ongoing	Ongoing	
21069	Replacement of Recycling Trucks	Ongoing	Ongoing	
21071	Replacement of Rear-Load Brush Trucks	Ongoing	Ongoing	
21073	Replacement of Brush Tractor Trucks & Trailers	Ongoing	Ongoing	
21075	Replacement of Commercial Front-Load Trucks	Ongoing	Ongoing	
21078	Replacement of Knuckle Boom Trucks	Ongoing	Ongoing	
21081	Replacement of Commercial Roll-Off Trucks	Ongoing	Ongoing	
21086	Replacement of Bobcat Skid Loader	Ongoing	Ongoing	
21087	Restoration of Paint Booth	July-2018	January-2019	(6)
21088	New Side-Load Residential Truck	December-2018	COMPLETE	
21089	New Brush Tractor Trucks/Trailers	December-2018	COMPLETE	
Fleet Services				
19030	Fuel System Upgrade	December-2018	COMPLETE	
19033	Fleet Services Facility Renovation	April-2018	COMPLETE	
19034	Fleet Services Exterior Restoration	December-2018	December-2019	(12)
Management Information Services				
23045	Extend Fiber Optic Cable	Ongoing	COMPLETE	
23019	Network and Cabling Upgrades	Ongoing	Ongoing	
23048	Telephone System Replacement	December-2021	December-2021	
Stormwater Management				
39819	Stormwater Maintenance Equipment	Ongoing	Ongoing	
<u>Landfill/Transfer Station</u>				
17154	Replacement of Landfill Equipment	Ongoing	Ongoing	
17155	Replacement of Transfer Station Equipment	Ongoing	Ongoing	
17158	Wheel Wash Installation	July-2018	December-2019	(17)
17162	Transfer Station Rebuild	April-2018	April-2019	(12)
17160	Leachate Discharge System Upgrades	December-2018	February-2019	(2)
17161	Hinton Landfill GCCS Expansion	May-2018	February-2019	(9)
17108	Addition of Automated Scales	July-2018	January-2019	(6)

2018 CIP STATUS BY PROJECT

		2018 Approved Completion Date	2019 Proposed 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	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-2018	December-2019	(12)
30222	West Pressure Plane Improvements	COMPLETE	COMPLETE	
30235	Roan Road Water Transmission Main	December-2019	December-2019	
30236	Water Quality Assurance	Ongoing	Ongoing	
30237	Water Pump Station Emergency Generators	December-2019	December-2021	(24)
30238	Field Operations Center	December-2020	December-2021	(12)
30239	Sand Pit Cover	December-2018	March-2019	(3)
<u>Wastewater</u>				
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-2020	November-2020	
32174	Lift Station Abandonment	Ongoing	Ongoing	
32181	Duck Creek Greenbelt Trail Extension	April-2019	April-2020	(12)
32183	Duck Creek Interceptor Rehab	Ongoing	Ongoing	
32184	Rowlett Interceptor Rehab	Ongoing	Ongoing	
32186	Walnut-I	December-2022	December-2022	
32187	S.H. 190 Catalyst Area	December-2019	December-2020	(12)
32188	Field Operations Center	December-2020	December-2021	(12)
32189	Sand Pit Cover	December-2018	March-2019	(3)

2018 CIP STATUS BY PROJECT

		2018 Approved Completion Date	2019 Proposed Completion Date	Project Delay (Months)
<u>Wastewater (Continued)</u>				
33028	Rowlett Creek WWTP Processes Improvements	Ongoing	Ongoing	
33029	Rowlett Creek WWTP Replacements/Mods.	Ongoing	Ongoing	
33031	Rowlett Creek Operations Center Renovations	February-2019	November-2019	(9)
33032	Rowlett Creek Admin. Building Renovation	June-2019	December-2020	(18)
34027	Duck Creek WWTP Replacements/Mods.	Ongoing	Ongoing	
34035	Rowlett Creek WWTP Biosolids Expansion	COMPLETE	COMPLETE	
34038	Duck Creek WWTP Processes Improvements	Ongoing	Ongoing	
<u>Electric</u>				
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	COMPLETE	COMPLETE	



GARLAND

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Remaining 1997 and 2004 Bond Projects

1997 Bond Program

Of the total funds available for projects included in the 1997 Bond Program, 99.5% was projected to be expended by the end of the 2018 calendar year. Of the \$126.1 million in General Obligation (GO) Bonds authorized in the 1997 Referendum, \$125.9 million (99.8%) is projected to be expended by the end of 2019. Additional details regarding outstanding projects approved in the 1997 Bond Referendum are included in the last section of the 2018 CIP Status.

2004 Bond Program

Of the total funds available for projects included in the 2004 Bond Program, 60.7% was projected to be expended by the end of the 2018 calendar year. Of the \$223.7 million in General Obligation (GO) Bonds authorized in the 2004 Referendum, \$147.5 million (65.9%) is projected to be expended by the end of 2019. Additional details regarding outstanding projects approved in the 2004 Bond Referendum are included in the last section of the 2018 CIP Status.

**CITY OF GARLAND
 CURRENT STATUS OF UNSPENT 1997 GO BONDS
 DECEMBER 2018
 (In 000's Dollars)**

<u>Project No.</u>	<u>Project Description</u>	<u>Page</u>	<u>Funding Source</u>	<u>2019</u>	<u>2020</u>	<u>2021 to Completion</u>	<u>Remaining to Fund</u>	<u>Projected Completion Date</u>
<u>Street/Transportation</u>								
*15578	Railroad Crossing Improvements	ST26	GOB97	\$238	\$0	\$0	\$238	Ongoing
15596	North-South Bikeway	ST27	GOB97	240	200	0	440	Dec 2020
	Undesignated		GOB97	0	0	0	0	
	Total			<u>\$478</u>	<u>\$200</u>	<u>\$0</u>	<u>\$678</u>	
Grand Total - 1997 Bond Program				<u>\$478</u>	<u>\$200</u>	<u>\$0</u>	<u>\$678</u>	

* Additional funding in 2004 Program

**CITY OF GARLAND
CURRENT STATUS OF UNSPENT 2004 GO BONDS
DECEMBER 2018
(In 000's Dollars)**

<u>Project No.</u>	<u>Project Description</u>	<u>Page</u>	<u>Funding Source</u>	<u>2019</u>	<u>2020</u>	<u>2021 to Completion</u>	<u>Remaining to Fund</u>	<u>Projected Completion Date</u>
<u>Park</u>								
18209	Trail Development	P01	GOB04	\$700	\$0	\$0	\$700	Ongoing
18318	Surf & Swim Aquatic Facility Expansion	P02	GOB04	200	0	1,004	1,204	Ongoing
18320	Granger Rec. Center & Annex Renovation	P03	GOB04	0	0	0	0	Aug 2020
18325	Audubon Recreation Center Expansion	P04	GOB04	0	1,061	1,498	2,559	Mar 2022
18327	Gale Fields Recreation Center Expansion	P05	GOB04	0	80	920	1,000	Dec 2021
18329	Tuckerville Park Sports Field Development	P06	GOB04	0	0	4,844	4,844	Dec 2025
18330	Skating/Skateboard Facility	P07	GOB04	352	631	0	983	Ongoing
18331	Expand Centralized Irrig./Lighting Control	P08	GOB04	250	0	0	250	May 2019
18332	Land Acquisition	P09	GOB04	0	645	0	645	Ongoing
18334	Audubon Picnic Area	P10	GOB04	130	570	0	700	Nov 2020
18335	Gatewood Picnic Pavilion	P11	GOB04	0	425	0	425	Dec 2020
18337	Windsurf Bay Park	P12	GOB04	698	0	0	698	Aug 2019
18338	Playground Improvements	P13	GOB04	642	0	0	642	Ongoing
	Total			\$2,972	\$3,412	\$8,266	\$14,650	
<u>Drainage</u>								
14230	Miscellaneous Flooding	D01	GOB04	\$0	\$0	\$0	\$0	Ongoing
14231	Petition Drainage	D02	GOB04	575	0	0	575	Ongoing
14244	Classic and Yale	D03	GOB04	198	0	2,661	2,859	Dec 2024
14245	Garland Heights / Freeman	D04	GOB04	0	200	4,000	4,200	Dec 2024
	Total			\$773	\$200	\$6,661	\$7,634	

**CITY OF GARLAND
CURRENT STATUS OF UNSPENT 2004 GO BONDS
DECEMBER 2018
(In 000's Dollars)**

<u>Project No.</u>	<u>Project Description</u>	<u>Page</u>	<u>Funding Source</u>	<u>2019</u>	<u>2020</u>	<u>2021 to Completion</u>	<u>Remaining to Fund</u>	<u>Projected Completion Date</u>
<u>Street/Transportation</u>								
14176	New Sidewalks	ST01	GOB04	\$949	\$0	\$0	\$949	Ongoing
14200	Street and Alley Petition	ST02	GOB04	125	325	1,325	1,775	Ongoing
14202	Sidewalk / Curb & Gutter Participation	ST03	GOB04	295	205	410	910	Ongoing
14255	Fifth Street - Miller to Avenue D (Phase B)	ST04	GOB04	0	0	1,489	1,489	Dec 2025
14261	Oates Road - Broadway to Rosehill	ST05	GOB04	3,562	0	0	3,562	Jun 2019
14264	Callejo Road - Botello to Campbell	ST06	GOB04	0	0	6,000	6,000	Dec 2025
14265	Chaha Road - I.H. 30 to Zion	ST07	GOB04	0	0	1,000	1,000	Dec 2024
14266	Chaha Road - 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	2,633	1,807	0	4,440	Dec 2020
14273	Brand Road - S.H. 190 to Muirfield	ST10	GOB04	50	50	7,930	8,030	Dec 2023
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	GOB04	5,532	7,875	2,800	16,207	Dec 2021
15640	Operational and Safety Improvements	ST20	GOB04	385	125	365	875	Ongoing
15600	New Traffic Signal Installations	ST22	GOB04	394	150	1,038	1,582	Ongoing
15530	Traffic Control System	ST24	GOB04	1,170	400	931	2,501	Ongoing
15547	Emergency Services Signal Equipment	ST25	GOB04	84	100	275	459	Ongoing
15578	Railroad Crossing Improvements	ST26	GOB04	66	100	734	900	Ongoing
15620	Signal Equipment Modernizations	ST28	GOB04	2,218	0	0	2,218	Ongoing
15751	Train Quiet Zone	ST29	GOB04	108	0	1,675	1,783	Ongoing
	Undesignated		GOB04	0	0	11,425	11,425	
	Total			\$17,571	\$11,137	\$39,819	\$68,527	

**CITY OF GARLAND
CURRENT STATUS OF UNSPENT 2004 GO BONDS
DECEMBER 2018
(In 000's Dollars)**

Project No.	Project Description	Page	Funding Source	2019	2020	2021 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	Feb 2019
12099	Remodel Fire Station No. 7	PS02	GOB04	0	0	425	425	Jul 2027
12101	Relocate Fire Station No. 1	PS03	GOB04	0	0	600	600	Dec 2023
	Total			<u>\$0</u>	<u>\$0</u>	<u>\$1,025</u>	<u>\$1,025</u>	
<u>Economic Development</u>								
10032	Land Acquisition	ED04	GOB04	\$0	\$0	\$920	\$920	Ongoing
10034	Neighborhood Vitality Grant Program	ED05	GOB04	1,511	0	0	1,511	Dec 2019
10042	Downtown Gateways	ED06	GOB04	330	350	0	680	Dec 2020
10043	Downtown Square Design	ED07	GOB04	300	577	0	877	Dec 2020
10044	Forest/Jupiter Streetscape	ED08	GOB04	0	0	980	980	Dec 2022
10049	Commercial Corridor Revitalization	ED09	GOB04	0	0	2,890	2,890	Dec 2024
	Total			<u>\$2,141</u>	<u>\$927</u>	<u>\$4,790</u>	<u>\$7,858</u>	
Grand Total - 2004 Bond Program				<u>\$23,457</u>	<u>\$15,676</u>	<u>\$60,561</u>	<u>\$99,694</u>	



GARLAND

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DETAIL PROJECT SUMMARIES

PARK DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
18209	Trail Development	P01	GOB97/04/Other	\$1,262	\$1,863	\$1,000	\$1,000	\$1,000	\$1,000	\$0	\$7,125
18318	Surf & Swim Aquatic Facility Expansion	P02	GOB04/CF	751	405	0	1,004	0	0	0	2,160
18320	Granger Recreation Center & Annex Renovation	P03	GOB04/CO/UNF	1,526	3,231	1,200	0	0	0	0	5,957
18325	Audubon Recreation Center Expansion	P04	GOB04/UNF	241	0	1,061	3,387	1,351	0	0	6,040
18327	Gale Fields Recreation Center Expansion	P05	GOB04	0	0	80	920	0	0	0	1,000
18329	Tuckerville Park Development	P06	GOB04	144	0	0	0	0	0	4,856	5,000
18330	Skating/Skateboard Facility	P07	GOB04/CO/UNF	107	352	691	0	0	0	0	1,150
18331	Expand Centralized Irrigation/Lighting Controls	P08	GOB04	0	250	0	0	0	0	0	250
18332	Land Acquisition	P09	GOB04	355	0	645	0	0	0	0	1,000
18334	Audubon Park Picnic Area Paving Replacement	P10	GOB04	0	130	570	0	0	0	0	700
18335	Gatewood Picnic Pavilion	P11	GOB04	0	0	425	0	0	0	0	425
18337	Windsurf Bay Park	P12	GOB04	2	698	0	0	0	0	0	700
18338	Playground Improvements	P13	GOB04/CO/INT/UNF	0	1,869	1,000	1,000	1,000	1,000	0	5,869
18345	Repaving of Parking Lots for Parks Dept.	P14	CO/UNF	1,896	3,326	1,500	1,500	1,500	1,500	0	11,222
18346	Park Operations Facility Improvements	P15	CO/CF/UNF	535	90	1,917	1,053	0	0	0	3,595
18347	Dog Park	P16	CO/CF	118	998	0	0	0	0	0	1,116
18348	Park Lighting Improvements - Parking Lots	P17	CF/CO	0	176	0	0	0	0	0	176
18350	Fencing - Audubon and Winters Soccer Complex	P18	CO	0	140	0	0	0	0	0	140
18351	Pedestrian/Bike Bridges - Duck Creek	P19	CO/CF	10	590	0	0	0	0	0	600
18353	Carter Softball Facility Canopy Replacement	P20	CO	0	180	0	0	0	0	0	180
18354	Greenbelt Drainage Improvements	P21	CO	79	0	1,578	0	0	0	0	1,657
18355	Cultural Arts Facilities Renovations	P22	CO	182	300	0	0	0	0	0	482
18356	* Pool UV Filter Replacement	P23	CF	0	100	0	0	0	0	0	100
Total				\$7,208	\$14,698	\$11,667	\$9,864	\$4,851	\$3,500	\$4,856	\$56,644
Total Existing CO's/Current Funds/Interest/Other				\$3,442	\$5,314	\$326	\$0	\$0	\$0	\$0	\$9,082
Unfunded				0	0	7,929	6,442	4,851	3,500	0	22,722
2019 Certificates of Obligation				0	6,412	0	0	0	0	0	6,412
Total 1997 Bond Program				1,016	0	0	0	0	0	0	1,016
Total 2004 Bond Program				2,750	2,972	3,412	3,422	0	0	4,856	17,412
Total				\$7,208	\$14,698	\$11,667	\$9,864	\$4,851	\$3,500	\$4,856	\$56,644

*Projects funded for the first time

PARK DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
UNAPPROVED PROJECTS

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Thru 12/31/18</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
18357	* John Paul Jones Park Bulkhead Reconst.	P24	\$0	\$0	\$283	\$0	\$0	\$0	\$0	\$283
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$283</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$283</u>

*Projects funded for the first time

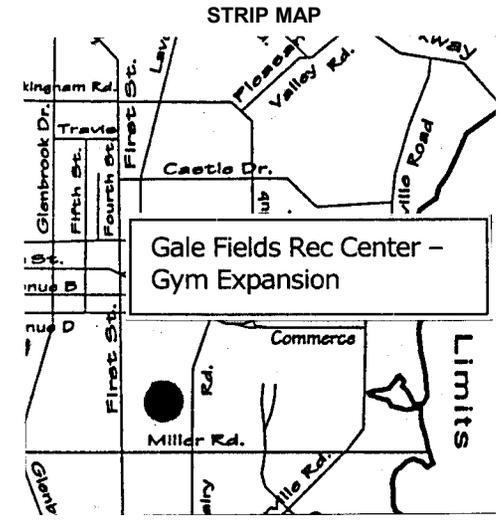
PARK DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2019	2020	2021	2022	2023	2024 to Completion	Project Total
18209	Trail Development	P01	Appr.	\$138	\$1,000	\$1,000	\$1,000	\$1,000	\$0	\$4,138
18318	Surf & Swim Aquatic Facility Expansion	P02	Appr.	200	0	1,004	0	0	0	1,204
18320	Granger Recreation Center & Annex Renovation	P03	Appr.	1,975	1,200	0	0	0	0	3,175
18325	Audubon Recreation Center Expansion	P04	Appr.	0	942	3,387	1,351	0	0	5,680
18327	Gale Fields Recreation Center Expansion	P05	Appr.	0	80	920	0	0	0	1,000
18329	Tuckerville Park Development	P06	Appr.	0	0	0	0	0	4,856	4,856
18330	Skating/Skateboard Facility	P07	Appr.	0	60	0	0	0	0	60
18332	Land Acquisition	P09	Appr.	0	645	0	0	0	0	645
18334	Audubon Park Picnic Area Paving Replacement	P10	Appr.	130	570	0	0	0	0	700
18335	Gatewood Picnic Pavilion	P11	Appr.	0	425	0	0	0	0	425
18337	Windsurf Bay Park	P12	Appr.	10	0	0	0	0	0	10
18338	Playground Improvements	P13	Appr.	910	1,000	1,000	1,000	1,000	0	4,910
18345	Repaving of Parking Lots for Parks Dept.	P14	Appr.	3,227	1,500	1,500	1,500	1,500	0	9,227
18346	Park Operations Facility Improvements	P15	Appr.	0	1,842	1,053	0	0	0	2,895
18354	Greenbelt Drainage Improvements	P21	Appr.	0	1,327	0	0	0	0	1,327
18355	Cultural Arts Facilities Renovations	P22	Appr.	300	0	0	0	0	0	300
18357	* John Paul Jones Park Bulkhead Reconstr.	P24	Unappr.	0	283	0	0	0	0	283
Total				<u>\$6,890</u>	<u>\$10,874</u>	<u>\$9,864</u>	<u>\$4,851</u>	<u>\$3,500</u>	<u>\$4,856</u>	<u>\$40,835</u>
Total Approved				\$6,890	\$10,591	\$9,864	\$4,851	\$3,500	\$4,856	\$40,552
Total Unapproved				0	283	0	0	0	0	\$283
Total				<u>\$6,890</u>	<u>\$10,874</u>	<u>\$9,864</u>	<u>\$4,851</u>	<u>\$3,500</u>	<u>\$4,856</u>	<u>\$40,835</u>

*Projects funded for the first time

PAGE NO: P04		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 4																																																																																			
CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				PROJECT NO(S). 18325		ACCOUNT NO(S). 614-2499-1832504																																																																																					
DEPARTMENT PARKS & RECREATION		PROJECT TITLE AUDUBON RECREATION CENTER EXPANSION				PROJECT NO(S). 18325		ACCOUNT NO(S). 614-2499-1832504																																																																																			
PROJECT DESCRIPTION Building expansion includes additional square footage for active recreation which includes a fitness area, improvements to the multi-purpose rooms, restrooms, storage, lobby and control desk expansion, site improvements, exterior patio, and canopy at entrance doors. This project will be designed and managed by an outside firm.						FUNDING SOURCE(S) 2004 Bond Fund \$ 2,800,000																																																																																					
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				TOTAL FUNDED \$ 2,800,000																																																																																					
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations 1,100 # of Positions _____ Capital Total \$1,100		Additional costs associated with building expansion are estimated at \$1,100 per year for maintenance of additional square footage and interior finishes, fitness equipment, flooring, and monitoring and maintenance of fire alarm system.				UNFUNDED \$ 3,240,000																																																																																					
PROJECT TOTAL		\$ 6,040,000																																																																																									
STRIP MAP																																																																																											
Audubon Recreation Center Expansion																																																																																											
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*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total																																																																																			
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TOTAL COSTS	241		1,061	3,387	1,351			6,040																																																																																			
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*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total																																																																																			
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TOTAL SOURCES	360		942	3,387	1,351			6,040																																																																																			
PROJECT SCHEDULE		START		FINISH																																																																																							
Design		8/2014		6/2021																																																																																							
Land/Right-of-Way																																																																																											
Construction		9/2020		3/2022																																																																																							
Finish Out																																																																																											
Other																																																																																											
TOTAL SCHEDULE		8/2014		3/2022																																																																																							

PAGE NO: P05		<i>Unfunded Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) 2	
DEPARTMENT PARKS & RECREATION			PROJECT TITLE GALE FIELDS RECREATION CENTER EXPANSION					PROJECT NO(S). 18327		ACCOUNT NO(S). 614-2499-1832704	
PROJECT DESCRIPTION Building expansion will facilitate space for additional active recreational programming.											
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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Design				80	80				160		
Land/Right-of-Way											
Construction					840				840		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS				80	920				1,000		
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued				80	920				1,000		
RB's/Com Paper											
Certificates of Obligation											
Other											
Unfunded											
TOTAL SOURCES				80	920				1,000		
PROJECT SCHEDULE		START	FINISH								
Design		4/2020	6/2021								
Land/Right-of-Way											
Construction		2/2021	12/2021								
Finish Out											
Other											
TOTAL SCHEDULE		4/2020	12/2021								



PAGE NO: P08		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT PARKS & RECREATION			PROJECT TITLE EXPAND CENTRALIZED IRRIG./LIGHT. CONTROLS					PROJECT NO(S). 18331		ACCOUNT NO(S). 614-2499-1833104		
PROJECT DESCRIPTION												
<p>This provides ongoing installation and replacement of irrigation and lighting controls with units connected by radio to centralized, automated programming of units for landscape irrigation systems, sports lighting, and reservation picnic pavilion lighting. Locations included for irrigation controls in 2019 are Park Operations Base Unit upgrades at 525 Tower Street, Firewheel Parkway between S.H. 78 and PGBT, Garland Road at I.H. 635 medians, Shiloh Road at PGBT right-of-way, Audubon Park/Carter Softball Facility, Winters Park Softball Facility, Forest Land medians between State and Chairman Drive, and Central Park turf irrigation. The location included for lighting controls in 2019 is Norman Groves Park with automated controls at the two lighted baseball fields.</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 4,000 Capital Total \$4,000			Impacts the Operating Budget by approximately \$4,000 annually in maintenance, repair, and replacement of controllers and equipment.									
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design												
Land/Right-of-Way												
Construction			250						250			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS			250						250			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds												
GO's/Com Paper Issued		250							250			
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation												
Other												
Unfunded												
TOTAL SOURCES		250							250			
STRIP MAP										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction	10/2017	5/2019
										Finish Out		
										Other		
TOTAL SCHEDULE										10/2017	5/2019	

PAGE NO: P09		<i>Continuing Project</i>						*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A			
DEPARTMENT PARKS & RECREATION		PROJECT TITLE LAND ACQUISITION						PROJECT NO(S). 18332		ACCOUNT NO(S). 614-2499-1833204 691-2499-1833200		
PROJECT DESCRIPTION Funding for acquiring additional park land as recommended in the 2019 Master Plan.												
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 is dependent upon condition of the tract acquired - undeveloped or developed. (Example: Acquire an undeveloped tract for connector along greenbelt, or a contiguous natural area, with fewer or no mowing cycles, versus land adjacent to development requiring some additional mowing and edging, tree management, and litter pickup.)										
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design												
Land/Right-of-Way	355		645					1,000				
Construction												
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	355		645					1,000				
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Current Funds												
GO's/Com Paper Issued	355							355				
GO's Unissued			645					645				
RB's/Com Paper												
Certificates of Obligation												
Other												
Unfunded												
TOTAL SOURCES	355		645					1,000				
								PROJECT SCHEDULE	START	FINISH		
								Design				
								Land/Right-of-Way				
								Construction				
								Finish Out				
								Other				
								TOTAL SCHEDULE	(Ongoing	Project)		

STRIP MAP

TOTAL FUNDED \$ 1,000,000
UNFUNDED \$
PROJECT TOTAL \$ 1,000,000

PAGE NO: P11		<i>Unfunded Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				*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 Pavilion improvements include the addition of a permanent restroom facility, a group grill, and a paved accessible route from the parking lot. This 2004 bond project will require additional funding.						FUNDING SOURCE(S) 2004 Bond Fund \$ 425,000			
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations 2,200 Capital Total \$2,200		IMPACT EXPLANATION The Operating Budget will be impacted by approximately \$2,200 for new restrooms and facility improvement maintenance.				TOTAL FUNDED \$ 425,000 UNFUNDED \$ PROJECT TOTAL \$ 425,000			
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Design				90					90
Land/Right-of-Way									
Construction				335					335
Landscaping									
Equip. & Furnish.									
Other									
TOTAL COSTS				425					425
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Current Funds									
GO's/Com Paper Issued									
GO's Unissued				425					425
RB's/Com Paper									
Certificates of Obligation									
Other									
Unfunded									
TOTAL SOURCES				425					425
						STRIP MAP			
						PROJECT SCHEDULE		START	FINISH
						Design		1/2020	12/2020
						Land/Right-of-Way			
						Construction		8/2020	12/2020
						Finish Out			
						Other			
						TOTAL SCHEDULE		1/2020	12/2020

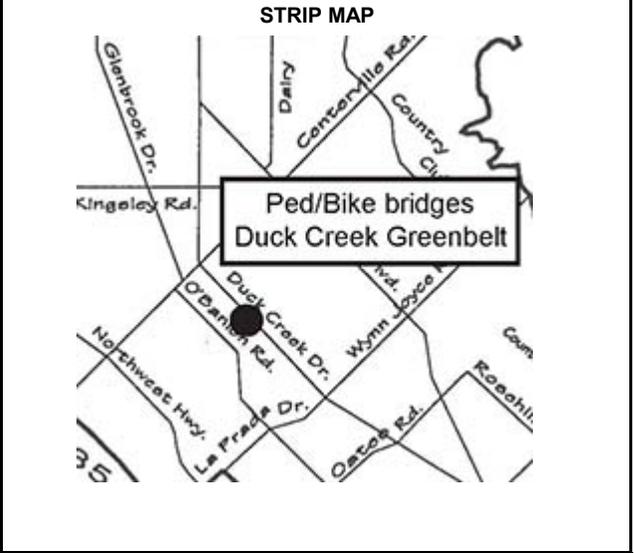
PAGE NO: P12		<i>Continuing Project</i>					*Amounts in 000's \$		COUNCIL DISTRICT(S) 3																																																																																	
DEPARTMENT PARKS & RECREATION		PROJECT TITLE WINDSURF BAY PARK					PROJECT NO(S). 18337		ACCOUNT NO(S). 614-2499-1833704																																																																																	
PROJECT DESCRIPTION																																																																																										
<p>This funding provides design, engineering, and initial construction of shoreline erosion control. Additional future funding will be needed for design of vehicular and non-vehicular circulation within the park, parking, park amenities, additional shoreline erosion control, and a permanent restroom facility. 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.</p> <p>This project will be designed and managed by an outside firm.</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 700 Capital Total \$700					A more accurate estimate will be determined for additional facility maintenance upon completion of the design development phase for the park's improvements.																																																																																					
<table border="1"> <thead> <tr> <th>*PROJECT COSTS</th> <th>Thru 12-2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023</th> <th>2024 to Completion</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Design</td> <td>2</td> <td>118</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>120</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>580</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>580</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>2</td> <td>698</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>700</td> </tr> </tbody> </table>										*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	Design	2	118						120	Land/Right-of-Way									Construction		580						580	Landscaping									Equip. & Furnish.									Other									TOTAL COSTS	2	698						700									
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total																																																																																		
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*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total																																																																																		
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PROJECT SCHEDULE		START	FINISH																																																																																							
Design		3/2018	6/2019																																																																																							
Land/Right-of-Way																																																																																										
Construction		11/2018	11/2020																																																																																							
Finish Out																																																																																										
Other																																																																																										
TOTAL SCHEDULE		3/2018	11/2020																																																																																							
<p style="text-align: center;">STRIP MAP</p>																																																																																										

PAGE NO: P13		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) N/A					
DEPARTMENT PARKS & RECREATION		PROJECT TITLE PLAYGROUND IMPROVEMENTS				PROJECT NO(S) 18338		ACCOUNT NO(S) 614-2499-1833804 692-2499-1833800					
PROJECT DESCRIPTION Ongoing replacement of equipment and surfacing with equipment and installation in compliance with the Consumer Product Safety Guidelines and related Accessibility Standards. Playground Improvements proposed for 2019 include a Level 3 playground at Central Park (\$750,000), a Level 1 playground at One Eleven Ranch (\$250,000), Rick Oden Park (\$250,000), and Eastern Hills Park (\$209,000). An additional \$250,000 is requested for site-specific infrastructure that includes grading, drainage, retaining walls, ramps, utilities, and/or rubber surfacing. Playgrounds are an ongoing capital improvement program.						FUNDING SOURCE(S) 2004 Bond Fund \$ 641,604 Certificates of Oblig. Issued 288,397 Interest 29,433 2019 Certificates of Oblig. 910,000 TOTAL FUNDED \$ 1,869,434 UNFUNDED \$ 4,000,000 PROJECT TOTAL \$ 5,869,434					STRIP MAP		
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design			160	55	55	55	55		380				
Land/Right-of-Way													
Construction			1,709	945	945	945	945		5,489				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS			1,869	1,000	1,000	1,000	1,000		5,869				
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Current Funds													
GO's/Com Paper Issued		642							642	PROJECT SCHEDULE	START	FINISH	
GO's Unissued										Design			
RB's/Com Paper										Land/Right-of-Way			
Certificates of Obligation		288	910						1,198	Construction			
Other (Interest)		29							29	Finish Out			
Unfunded				1,000	1,000	1,000	1,000		4,000	Other			
TOTAL SOURCES		959	910	1,000	1,000	1,000	1,000		5,869	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: P17		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) All			
DEPARTMENT PARKS & RECREATION			PROJECT TITLE PARK LIGHTING IMPROVEMENTS - PARKING LOTS					PROJECT NO(S). 18348		ACCOUNT NO(S). 692-2499-1834800		
PROJECT DESCRIPTION This project provides funding for lighting improvements at park areas and parking lots which include those undergoing paving replacements under Park Project 18345. These parking lots are currently lighted with 30+ year old post-top fixtures. This ongoing project will allocate annual funding for accommodating lighting upgrades as necessary at park facilities and as the pavement is replaced. Lighting improvements in 2019 are proposed for Audubon Recreation Center parking lot and Carter Softball Facility parking lot.							FUNDING SOURCE(S)					
							Current Funds		\$	36,000		
							Certificates of Oblig. Issued			100,000		
							Interest			40,000		
							TOTAL FUNDED		\$	176,000		
							UNFUNDED		\$			
							PROJECT TOTAL		\$	176,000		
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 _____			Negligible impact to the Operating Budget as these are replacements to existing lighting fixtures.									
STRIP MAP												
*PROJECT COSTS												
	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design		20						20				
Land/Right-of-Way												
Construction		156						156				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		176						176				
*SOURCE OF FUNDS												
	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Current Funds	36							36				
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation	100							100				
Other (Interest)		40						40				
Unfunded												
TOTAL SOURCES	136	40						176				
							PROJECT SCHEDULE		START	FINISH		
							Design					
							Land/Right-of-Way					
							Construction					
							Finish Out					
							Other					
							TOTAL SCHEDULE		(Ongoing	Project)		

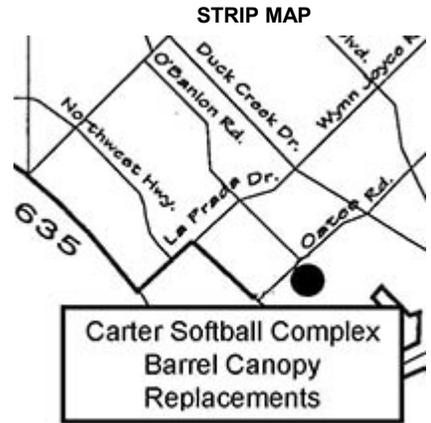
PAGE NO: P19		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 4		
DEPARTMENT PARKS & RECREATION		PROJECT TITLE PED/BIKE BRIDGES - CROSSINGS ON DUCK CREEK				PROJECT NO(S) 18351		ACCOUNT NO(S) 692-2499-1835100		
PROJECT DESCRIPTION										
<p>Provides engineering and construction for replacement of two existing drainage crossings installed in the first phase of the Duck Creek Trail development in 1974. These drainage features empty into Duck Creek, and the crossings provide passage for pedestrians, bicycles, and park maintenance equipment. One of these locations is adjacent to the Duck Creek low water crossing. It is necessary to combine the design and construction of the low water crossing with one of the drainage crossings due to their proximity to each other. This improves the accessible route, as well as extends an existing drainage pipe, and slope stabilization along the creek bank at this area. The related funding for the low water crossing has been transferred from Greenbelt Drainage Improvements to this project.</p> <p>This project will be designed and managed by an outside firm.</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			Positive impact to the Operating Budget in replacement of two deteriorating drainage crossings, the installation of bank stabilization, and the rebuilding of the accessible routes for these areas.							
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Design	10	25						35		
Land/Right-of-Way										
Construction		565						565		
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS	10	590						600		
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation	555							555		
Other (Interest)		45						45		
Unfunded										
TOTAL SOURCES	555	45						600		
								PROJECT SCHEDULE	START	FINISH
								Design	2/2018	5/2019
								Land/Right-of-Way		
								Construction	8/2018	7/2020
								Finish Out		
								Other		
TOTAL SCHEDULE									2/2018	7/2020

FUNDING SOURCE(S)	
Certificates of Oblig. Issued	\$ 555,000
Interest	45,000
TOTAL FUNDED	\$ 600,000
UNFUNDED	\$
PROJECT TOTAL	\$ 600,000



PAGE NO: P20	<i>Continuing Project</i>	CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 4
DEPARTMENT PARKS & RECREATION		PROJECT TITLE CARTER SOFTBALL FACILITY CANOPY REPLCMT.						PROJECT NO(S) 18353	ACCOUNT NO(S) 692-2499-1835300
PROJECT DESCRIPTION <p>This project replaces steel truss framework and shade fabric at the five-field Carter Softball Tournament Complex in Audubon Park which hosts year-round league and tournament play. Sections of the barrel-vault shade structures, located at spectator areas between fields, sustained damage as a result of straight-line winds in October 2014 and were removed. This funding will provide replacement with structural engineering design, sealed drawings, and construction related to overhead steel and fabric needed replacements.</p> <p>This project will be designed and managed by an outside firm.</p>									
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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Design		20						20	
Land/Right-of-Way									
Construction		160						160	
Landscaping									
Equip. & Furnish.									
Other									
TOTAL COSTS		180						180	
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Current Funds									
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper									
Certificates of Obligation	180							180	
Other									
Unfunded									
TOTAL SOURCES	180							180	
STRIP MAP									
							PROJECT SCHEDULE	START	FINISH
							Design	2/2018	5/2019
							Land/Right-of-Way		
							Construction	1/2019	5/2019
							Finish Out		
							Other		
							TOTAL SCHEDULE	2/2018	5/2019

FUNDING SOURCE(S)	
Certificates of Oblig. Issued	\$ 180,000
TOTAL FUNDED	\$ 180,000
UNFUNDED	\$
PROJECT TOTAL	\$ 180,000



PAGE NO: P22		<i>Continuing Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) All		
CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST												
DEPARTMENT PARKS & RECREATION			PROJECT TITLE CULTURAL ARTS FACILITIES RENOVATIONS					PROJECT NO(S). 18355		ACCOUNT NO(S). 691-2499-1835500		
PROJECT DESCRIPTION Renovations include carpet replacement at the Granville Arts Center in the Brownlee Theatre, Small Theatre, and lobby; wallpaper and paint finishes; improvements to main stage coves and main stage flooring; and renovations in the green room, dressing rooms, and restrooms. Improvements at the Plaza Theatre include terrazzo flooring, lobby wall finishes, and millwork at ticketing and reception.							FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 182,000 2019 Certificates of Oblig. 300,000					
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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design		32							32			
Land/Right-of-Way												
Construction		150	300						450			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		182	300						482			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		182	300						482			
Other												
Unfunded												
TOTAL SOURCES		182	300						482			
							STRIP MAP					
							PROJECT SCHEDULE		START		FINISH	
							Design		3/2018		12/2018	
							Land/Right-of-Way					
							Construction		3/2018		12/2019	
							Finish Out					
							Other					
							TOTAL SCHEDULE		3/2018		12/2019	

PAGE NO: P23		<i>New Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) 2, 4				
DEPARTMENT PARKS & RECREATION				PROJECT TITLE POOL UV FILTER REPLACEMENT				PROJECT NO(S) 18356		ACCOUNT NO(S) 692-2499-1835600				
PROJECT DESCRIPTION This project is requesting funding for the UV filter replacements at both the wave pool and Wally's Cove as well as UV filter replacement at Bradfield Park Pool splash pad.											FUNDING SOURCE(S) Interest \$ 100,000 TOTAL FUNDED \$ 100,000 UNFUNDED \$ PROJECT TOTAL \$ 100,000			
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								STRIP MAP Various locations.		
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total					
Design														
Land/Right-of-Way														
Construction														
Landscaping														
Equip. & Furnish.			100						100					
Other														
TOTAL COSTS			100						100					
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total					
Current Funds														
GO's/Com Paper Issued														
GO's Unissued														
RB's/Com Paper														
Certificates of Obligation														
Other (Interest)			100						100					
Unfunded														
TOTAL SOURCES			100						100					
									PROJECT SCHEDULE		START	FINISH		
									Design					
									Land/Right-of-Way					
									Construction					
									Finish Out					
									Other					
									TOTAL SCHEDULE		2/2019	5/2019		

Unapproved Submitted Projects

STREET/TRANSPORTATION DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
<u>Engineering</u>											
14176	New Sidewalks	ST01	CF/CO/GOB04	\$2,626	\$1,215	\$945	\$289	\$0	\$0	\$0	\$5,075
14200	Street and Alley Petition	ST02	GOB04	25	125	325	325	325	325	350	1,800
14202	Sidewalk / Curb & Gutter Participation	ST03	GOB04/Other	2,934	340	250	250	205	0	0	3,979
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	1,462	3,562	0	0	0	0	0	5,024
14264	Callejo Road - Botello to Campbell	ST06	GOB04/UNF	0	0	0	0	0	300	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/UNF	760	2,633	4,461	0	0	0	0	7,854
14273	Brand Road - S.H. 190 to Muirfield	ST10	GOB04/UNF	570	50	50	300	7,070	1,000	0	9,040
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	CO/GOB04/Other	1,928	12,401	12,300	3,800	0	0	0	30,429
14292	Pleasant Valley Road - Richfield to Miles	ST12	CF/CO/Other	27,690	750	0	0	0	0	0	28,440
14301	Screen Wall Reconstruction	ST13	CO/UNF	9	100	100	100	41	0	0	350
14302	Naaman School / Brand Alignment Study	ST14	CF/CO	435	365	0	0	0	0	0	800
14303	Waterhouse - Bobtown to Hayman	ST15	CF/CO/UNF	211	805	1,454	0	0	0	0	2,470
14305	Holford Road - PGBT to Creekwood	ST16	CO/Other/UNF	250	500	3,243	6,850	0	0	0	10,843
14306	Holford Road - Arapaho to PGBT	ST17	CO/UNF	250	200	800	1,700	1,590	400	8,890	13,830
14309	Oates Rd. - Channel Isle to Heron's Bay #3	ST18	CO	0	370	0	0	0	0	0	370
14311	Leon Road	ST19	CO	956	44	0	0	0	0	0	1,000
<u>Transportation</u>											
15647	Operational and Safety Improvements	ST20	GOB04/INT	1,115	385	125	125	120	120	0	1,990
15219	Miscellaneous Equipment and Services	ST21	Other	18	38	0	0	0	0	0	56
15602	New Traffic Signal Installations	ST22	GOB04/Other	566	394	150	150	300	300	288	2,148
15544	LED Replacement Program	ST23	CF	500	55	0	0	0	0	0	555
15530	Traffic Control System	ST24	GOB04/Other	1,599	1,170	400	400	400	131	0	4,100
15547	Emergency Services Signal Equipment	ST25	GOB04/INT	91	84	100	100	100	75	0	550
15579	Railroad Crossing Improvements	ST26	GOB97/04	100	304	100	100	100	100	434	1,238
15596	North-South Bikeway	ST27	GOB97/Other/UNF	270	880	2,820	0	0	0	0	3,970
15620	Signal Equipment Modernizations	ST28	CF/GOB04/Other	1,997	2,476	0	0	0	0	0	4,473
15751	Train Quiet Zone	ST29	GOB04	317	108	0	0	0	0	1,675	2,100
14304	LBJ Sound Wall Aesthetics	ST30	CO	9	91	0	0	0	0	0	100
14307	Transit Pass - Bottleneck Improvements	ST31	Other	0	788	708	707	1,000	0	0	3,203

*Project funded for the first time

STREET/TRANSPORTATION DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
Street											
39818	Street Reconstruction and Improvements	ST32	CO/UNF	16,320	8,968	7,168	8,198	11,668	11,708	0	64,030
39841	* Navasota Drive - Blanco Lane to Castle Drive	ST33	CF/CDBG	0	199	0	0	0	0	0	199
	Undesignated - Street/Transportation		GOB04	0	0	0	0	0	0	11,425	11,425
	Total			<u>\$67,457</u>	<u>\$39,400</u>	<u>\$35,499</u>	<u>\$23,394</u>	<u>\$22,919</u>	<u>\$14,459</u>	<u>\$34,073</u>	<u>\$237,201</u>
	Total Existing CO's/CF/Other			\$48,381	\$14,235	\$8,226	\$1,752	\$1,000	\$0	\$0	\$73,594
	2019 Certificate of Obligation			0	7,116	0	0	0	0	0	7,116
	Total Unfunded			0	0	15,936	17,137	13,299	12,548	9,290	68,210
	Total 1997 Bond Program			270	478	200	0	0	0	0	948
	Total 2004 Bond Program			18,806	17,571	11,137	4,505	8,620	1,911	24,783	87,333
	Total			<u>\$67,457</u>	<u>\$39,400</u>	<u>\$35,499</u>	<u>\$23,394</u>	<u>\$22,919</u>	<u>\$14,459</u>	<u>\$34,073</u>	<u>\$237,201</u>

*Project funded for the first time

STREET/TRANSPORTATION DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
UNAPPROVED PROJECTS

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Thru 12/31/18</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
	<u>Engineering</u>									
14312	Naaman School / Brand Rd. Construction	ST34	\$0	\$0	\$0	\$1,200	\$7,515	\$12,200	\$11,760	\$32,675
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1,200</u>	<u>\$7,515</u>	<u>\$12,200</u>	<u>\$11,760</u>	<u>\$32,675</u>

* Project requested for the first time

STREET/TRANSPORTATION DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Project Status</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
<u>Engineering</u>										
14176	New Sidewalks	ST01	Appr.	\$1,066	\$945	\$289	\$0	\$0	\$0	\$2,300
14200	Street and Alley Petition	ST02	Appr.	0	132	325	325	325	350	1,457
14202	Sidewalk / Curb & Gutter Participation	ST03	Appr.	0	199	205	205	0	0	609
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.	3,501	0	0	0	0	0	3,501
14264	Callejo Road - Botello to Campbell	ST06	Appr.	0	0	0	0	300	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.	2,054	4,461	0	0	0	0	6,515
14273	Brand Road - S.H. 190 to Muirfield	ST10	Appr.	30	50	300	7,070	1,000	0	8,450
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	Appr.	250	7,875	2,800	0	0	0	10,925
14301	Screen Wall Reconstruction	ST13	Appr.	0	59	100	41	0	0	200
14302	Naaman School / Brand Alignment Study	ST14	Appr.	100	0	0	0	0	0	100
14303	Waterhouse - Bobtown to Hayman	ST15	Appr.	0	870	0	0	0	0	870
14305	Holford Road - PGBT to Creekwood	ST16	Appr.	0	2,495	6,850	0	0	0	9,345
14306	Holford Road - Arapaho to PGBT	ST17	Appr.	0	525	1,700	1,590	400	8,890	13,105
14312	Naaman School / Brand Road Construction	ST34	Unappr.	0	0	1,200	7,515	12,200	11,760	32,675
<u>Transportation</u>										
15647	Operational and Safety Improvements	ST20	Appr.	0	125	125	120	120	0	490
15602	New Traffic Signal Installations	ST22	Appr.	200	150	150	300	300	288	1,388
15530	Traffic Control System	ST24	Appr.	545	400	400	400	131	0	1,876
15547	Emergency Services Signal Equipment	ST25	Appr.	75	100	100	100	75	0	450
15579	Railroad Crossing Improvements	ST26	Appr.	125	100	100	100	100	434	959
15596	North-South Bikeway	ST27	Appr.	0	1,420	0	0	0	0	1,420
15620	Signal Equipment Modernizations	ST28	Appr.	1,379	0	0	0	0	0	1,379
15751	Train Quiet Zone	ST29	Appr.	0	0	0	0	0	1,675	1,675
<u>Street</u>										
39818	Street Reconstruction and Improvements	ST32	Appr.	6,750	7,168	8,198	11,668	11,708	0	45,492
	Undesignated - Street/Transportation		Appr.	0	0	0	0	0	11,425	11,425
	Total			<u>\$16,075</u>	<u>\$27,074</u>	<u>\$22,842</u>	<u>\$29,434</u>	<u>\$26,659</u>	<u>\$45,833</u>	<u>\$167,917</u>
	Total Approved			\$16,075	\$27,074	\$21,642	\$21,919	\$14,459	\$34,073	\$135,242
	Total Unapproved			0	0	1,200	7,515	12,200	11,760	32,675
	Total			<u>\$16,075</u>	<u>\$27,074</u>	<u>\$22,842</u>	<u>\$29,434</u>	<u>\$26,659</u>	<u>\$45,833</u>	<u>\$167,917</u>

*Projects funded for the first time

PAGE NO: ST03		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT ENGINEERING		PROJECT TITLE SIDEWALK / CURB & GUTTER PARTICIPATION				PROJECT NO(S). 14202		ACCOUNT NO(S). 624-1409-1420204			
PROJECT DESCRIPTION This program reserves funds to participate with property owners in the reconstruction of concrete sidewalk and curb & gutter sections throughout the city.						FUNDING SOURCE(S) 2004 Bond Fund \$ 3,171,531 Sidewalk Participation 808,000 TOTAL FUNDED \$ 3,979,531 UNFUNDED \$ PROJECT TOTAL \$ 3,979,531					
IMPACT ON OPERATING BUDGET <input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION								
STRIP MAP Various locations.											
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design	547	30	30	30				637			
Land/Right-of-Way											
Construction	2,387	310	220	220	205			3,342			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	2,934	340	250	250	205			3,979			
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds											
GO's/Com Paper Issued	2,562							2,562			
GO's Unissued			199	205	205			609			
RB's/Com Paper											
Certificates of Obligation											
Other (Sidewalk Partic.)	673	45	45	45				808			
Unfunded											
TOTAL SOURCES	3,235	45	244	250	205			3,979			
								PROJECT SCHEDULE	START	FINISH	
								Design			
								Land/Right-of-Way			
								Construction			
								Finish Out			
								Other			
								TOTAL SCHEDULE	(Ongoing	Project)	

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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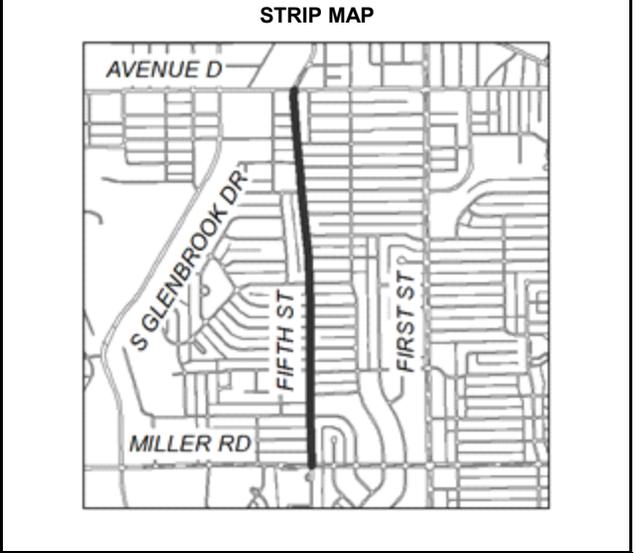
PROJECT DESCRIPTION
Funding is provided for the design, land acquisition, permitting, offsite drainage system, and construction costs related to reconstruction of a Type "E" thoroughfare. All work with the exception of an offsite drainage system has been completed.

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 12-2018	2019	2020	2021	2022	2023	2024 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 12-2018	2019	2020	2021	2022	2023	2024 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



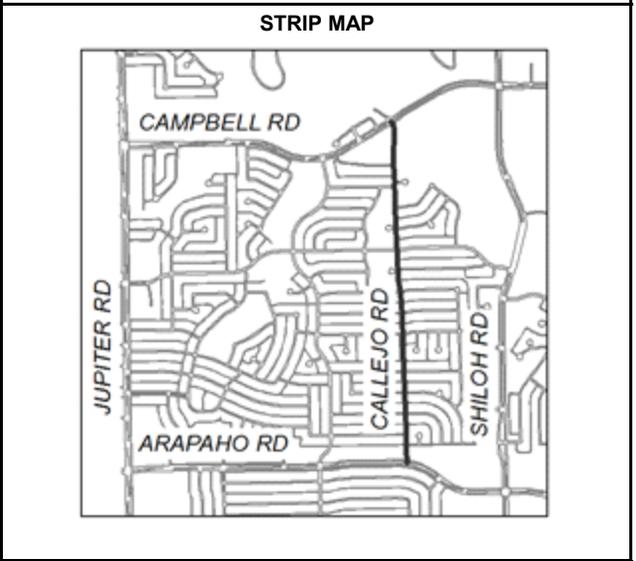
PROJECT SCHEDULE	START	FINISH
Design	9/2007	12/2025
Land/Right-of-Way	6/2007	1/2016
Construction	1/2007	12/2025
Finish Out		
Other		
TOTAL SCHEDULE	1/2007	12/2025

DEPARTMENT ENGINEERING	PROJECT TITLE CALLEJO ROAD - BOTELLO TO CAMPBELL	PROJECT NO(S) 14264	ACCOUNT NO(S) 624-1409-1426404
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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	\$ 6,000,000
TOTAL FUNDED	\$ 6,000,000
UNFUNDED	\$ 400,000
PROJECT TOTAL	\$ 6,400,000

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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Design						300	400	700
Land/Right-of-Way							300	300
Construction							5,400	5,400
Landscaping								
Equip. & Furnish.								
Other								
TOTAL COSTS						300	6,100	6,400
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Current Funds								
GO's/Com Paper Issued								
GO's Unissued						300	5,700	6,000
RB's/Com Paper								
Certificates of Obligation								
Other								
Unfunded							400	400
TOTAL SOURCES						300	6,100	6,400

PROJECT SCHEDULE	START	FINISH
Design	6/2023	12/2025
Land/Right-of-Way	3/2024	12/2024
Construction	5/2024	12/2025
Finish Out		
Other		
TOTAL SCHEDULE	6/2023	12/2025

DEPARTMENT ENGINEERING	PROJECT TITLE BOBTOWN ROAD - ROWLETT TO WATERHOUSE	PROJECT NO(S). 14272	ACCOUNT NO(S). 624-1409-1427204
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PROJECT DESCRIPTION

Funding is provided for the design, land acquisition, permitting, and construction costs related to the reconstruction of a Type "E" thoroughfare.

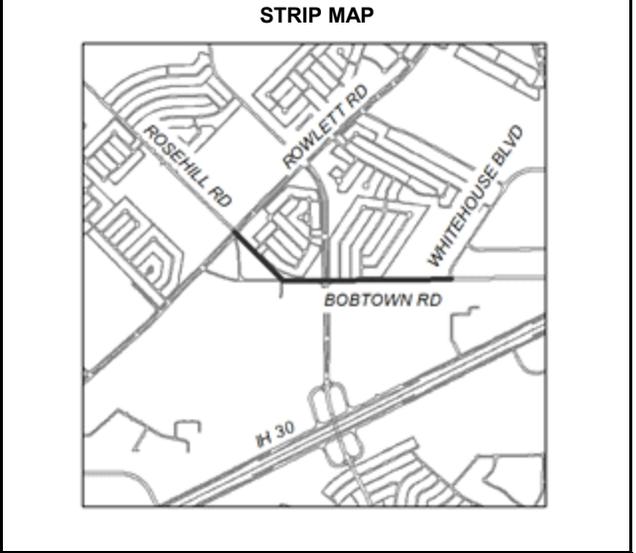
Construction is planned to take place in conjunction with the Waterhouse project (#14303, Page ST15).

FUNDING SOURCE(S)	
2004 Bond Fund	\$ 5,200,000
TOTAL FUNDED	
	\$ 5,200,000
UNFUNDED	
	\$ 2,654,000
PROJECT TOTAL	
	\$ 7,854,000

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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Design	720	383	150					1,253
Land/Right-of-Way	40							40
Construction		2,250	4,311					6,561
Landscaping								
Equip. & Furnish.								
Other								
TOTAL COSTS	760	2,633	4,461					7,854

*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Current Funds								
GO's/Com Paper Issued	1,339							1,339
GO's Unissued		2,054	1,807					3,861
RB's/Com Paper								
Certificates of Obligation								
Other								
Unfunded			2,654					2,654
TOTAL SOURCES	1,339	2,054	4,461					7,854



PROJECT SCHEDULE	START	FINISH
Design	9/2014	12/2020
Land/Right-of-Way	1/2018	6/2018
Construction	6/2019	12/2020
Finish Out		
Other		
TOTAL SCHEDULE	9/2014	12/2020

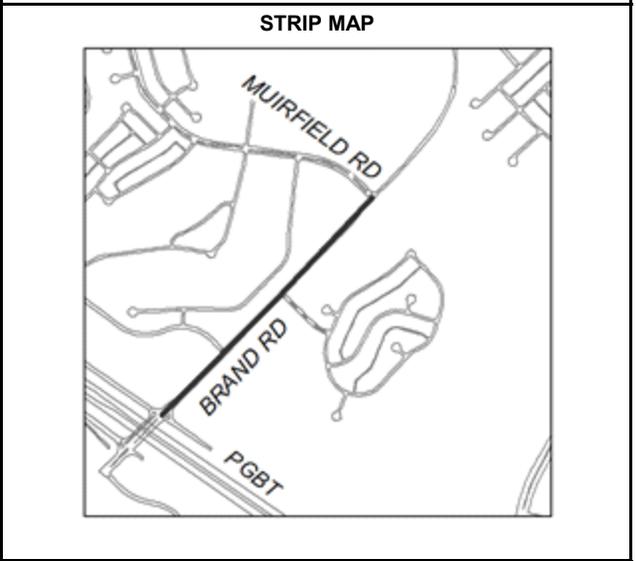
DEPARTMENT ENGINEERING	PROJECT TITLE BRAND ROAD - S.H. 190 TO MUIRFIELD	PROJECT NO(S). 14273	ACCOUNT NO(S). 624-1409-1427304
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PROJECT DESCRIPTION
Funding is provided for the design, land acquisition, permitting, and construction costs related to the reconstruction of a four-lane divided Type "C" thoroughfare.

FUNDING SOURCE(S)	
2004 Bond Fund	\$ 8,600,000
TOTAL FUNDED	
	\$ 8,600,000
UNFUNDED	
	\$ 440,000
PROJECT TOTAL	
	\$ 9,040,000

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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Design	570	50	50	200	170			1,040
Land/Right-of-Way				100				100
Construction					6,900	1,000		7,900
Landscaping								
Equip. & Furnish.								
Other								
TOTAL COSTS	570	50	50	300	7,070	1,000		9,040
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Current Funds								
GO's/Com Paper Issued	590							590
GO's Unissued		30	50	300	7,070	560		8,010
RB's/Com Paper								
Certificates of Obligation								
Other								
Unfunded						440		440
TOTAL SOURCES	590	30	50	300	7,070	1,000		9,040



PROJECT SCHEDULE	START	FINISH
Design	1/2016	1/2022
Land/Right-of-Way	1/2021	6/2021
Construction	12/2022	12/2023
Finish Out		
Other		
TOTAL SCHEDULE	1/2016	12/2023

PAGE NO: ST14		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT ENGINEERING			PROJECT TITLE NAAMAN SCHOOL / BRAND ALIGNMENT STUDY					PROJECT NO(S) 14302		ACCOUNT NO(S) 692-1409-1430214		
PROJECT DESCRIPTION										FUNDING SOURCE(S)		
Alignment study of Brand Road - Belt Line Road to PGBT and Naaman School Road - S.H. 78 to Brand Road. This project anticipates funding from Dallas County.										Certificates of Oblig. Issued \$ 150,000		
										Current Funds 550,000		
										2019 Certificates of Oblig. 100,000		
										TOTAL FUNDED \$ 800,000		
										UNFUNDED \$		
										PROJECT TOTAL \$ 800,000		
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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design	435	365						800				
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	435	365						800				
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Current Funds	550							550				
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation	150	100						250				
Other												
Unfunded												
TOTAL SOURCES	700	100						800				
										PROJECT SCHEDULE	START	FINISH
										Design	4/2014	6/2019
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	4/2014	6/2019

PAGE NO: ST17		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) 1		
DEPARTMENT ENGINEERING		PROJECT TITLE HOLFORD ROAD - ARAPAHO TO PGBT				PROJECT NO(S) 14306		ACCOUNT NO(S) 692-1409-1430600			
PROJECT DESCRIPTION		IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION					
<p>Funding will provide for the completion of a schematic roadway alignment. Full detail design and construction will begin thereafter. Project includes hike/bike trails and landscaping. Project includes Holford Road - Naaman Forest Blvd to PGBT and Holford Road - Arapaho Road to Naaman Forest Blvd.</p> <p>Costs adjusted to include both alignment and construction to more accurately reflect the scope of this project.</p>		<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____						<p>FUNDING SOURCE(S)</p> <p>Certificates of Oblig. Issued \$ 725,000</p> <p>TOTAL FUNDED \$ 725,000</p> <p>UNFUNDED \$ 13,105,000</p> <p>PROJECT TOTAL \$ 13,830,000</p>			
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	<p align="center">STRIP MAP</p>		
Design	250	200	300	250	140	400	1,083	2,623			
Land/Right-of-Way			500				200	700			
Construction				1,450	1,450		7,607	10,507			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	250	200	800	1,700	1,590	400	8,890	13,830			
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	725							725			
Other											
Unfunded			525	1,700	1,590	400	8,890	13,105			
TOTAL SOURCES	725		525	1,700	1,590	400	8,890	13,830			
		PROJECT SCHEDULE	START	FINISH							
		Design	1/2017	12/2025							
		Land/Right-of-Way	1/2020	12/2024							
		Construction	4/2021	12/2025							
		Finish Out									
		Other									
		TOTAL SCHEDULE	1/2017	12/2025							

PAGE NO: ST20		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All		
DEPARTMENT TRANSPORTATION			PROJECT TITLE OPERATIONAL AND SAFETY IMPROVEMENTS					PROJECT NO(S). 15647 15482	ACCOUNT NO(S). 624-1799-1564704 623-1799-1548215	
PROJECT DESCRIPTION			IMPACT ON OPERATING BUDGET					IMPACT EXPLANATION		
<p>This ongoing program provides for 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, installing guardrails, upgrading ADA ramping, and constructing left and right-turn lanes at bottleneck locations.</p>			<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____					<p>STRIP MAP</p>		
<p>*PROJECT COSTS</p>			Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Design			221							221
Land/Right-of-Way										
Construction			871	375	125	125	120	120		1,736
Landscaping										
Equip. & Furnish.			23	10						33
Other										
TOTAL COSTS			1,115	385	125	125	120	120		1,990
<p>*SOURCE OF FUNDS</p>			Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Current Funds										
GO's/Com Paper Issued			1,050							1,050
GO's Unissued					125	125	120	120		490
RB's/Com Paper										
Certificates of Obligation										
Other (Interest)			450							450
Unfunded										
TOTAL SOURCES			1,500		125	125	120	120		1,990
			PROJECT SCHEDULE		START		FINISH			
			Design							
			Land/Right-of-Way							
			Construction							
			Finish Out							
			Other							
			TOTAL SCHEDULE		(Ongoing		Project)			

FUNDING SOURCE(S)		
2004 Bond Fund		\$ 1,539,643
Interest		450,000
TOTAL FUNDED		\$ 1,989,643
UNFUNDED		\$
PROJECT TOTAL		\$ 1,989,643

PAGE NO: ST24		<i>Continuing Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) All		
DEPARTMENT TRANSPORTATION		PROJECT TITLE TRAFFIC CONTROL SYSTEM						PROJECT NO(S). 15530		ACCOUNT NO(S). 624-1799-1553004 623-1799-1553015		
PROJECT DESCRIPTION		The requested funding is primarily to replace the current central traffic control software and local intersection control hardware and software. The current system is no longer supported by the vendor and will not run on current operating systems. Existing field units are failing at an increasing rate.						FUNDING SOURCE(S)				
								2004 Bond Fund		\$ 4,000,000		
								DART LAP/CMS		100,000		
								TOTAL FUNDED		\$ 4,100,000		
								UNFUNDED		\$		
								PROJECT TOTAL		\$ 4,100,000		
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 _____		The replacement of hardware will reduce maintenance costs of the older equipment.										
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design	120							120				
Land/Right-of-Way												
Construction	450	10						460				
Landscaping												
Equip. & Furnish.	1,029	1,160	400	400	400	131		3,520				
Other												
TOTAL COSTS	1,599	1,170	400	400	400	131		4,100				
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds												
GO's/Com Paper Issued	2,124							2,124	Design			
GO's Unissued		545	400	400	400	131		1,876	Land/Right-of-Way			
RB's/Com Paper									Construction			
Certificates of Obligation									Finish Out			
Other (DART)	100							100	Other			
Unfunded												
TOTAL SOURCES	2,224	545	400	400	400	131		4,100	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: ST26		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) 1, 2					
DEPARTMENT TRANSPORTATION				PROJECT TITLE RAILROAD CROSSING IMPROVEMENTS					PROJECT NO(S). 15579		ACCOUNT NO(S). 622-1799-1557900			
PROJECT DESCRIPTION														
Replacement of railroad crossing surfaces at various locations. No current projects are planned. This funding is allocated so that, in the event the railroad approaches the City with a need to adjust track work, the City would be able to respond quickly to perform crossing improvements. This requested funding will provide for the City to initiate the replacement of one crossing in 2019.														
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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	STRIP MAP					
Design														
Land/Right-of-Way														
Construction	100	304	100	100	100	100	434	1,238						
Landscaping														
Equip. & Furnish.														
Other														
TOTAL COSTS	100	304	100	100	100	100	434	1,238						
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total						
Current Funds														
GO's/Com Paper Issued	279							279	PROJECT SCHEDULE	START	FINISH			
GO's Unissued		125	100	100	100	100	434	959	Design					
RB's/Com Paper									Land/Right-of-Way					
Certificates of Obligation									Construction					
Other									Finish Out					
Unfunded									Other					
TOTAL SOURCES	279	125	100	100	100	100	434	1,238	TOTAL SCHEDULE	(Ongoing	Project)			

PAGE NO: ST27		<i>Continuing Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) All		
DEPARTMENT TRANSPORTATION			PROJECT TITLE NORTH-SOUTH BIKEWAY					PROJECT NO(S). 15596		ACCOUNT NO(S). 622-1799-1559600 692-1799-1559600		
PROJECT DESCRIPTION										FUNDING SOURCE(S)		
<p>This project includes bridges, trails, and on-street markings connecting the Duck Creek Greenbelt to Winters Park. It also includes connections to Breckinridge Park in Richardson, and the bike trail to Town East Mall in Mesquite, with funding from the Regional Toll Revenue (RTR) Program. The on-street portions of this project are complete. The remaining funding will be used to construct bike/PED bridges over Duck Creek north of Centerville and south of I.H. 30.</p>										1997 Bond Fund		\$ 710,000
										RTR		2,040,000
<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</p> The additional on-street pavement markings and signs as well as the bridges will increase maintenance costs to the City.		
										<p>TOTAL FUNDED \$ 2,750,000</p> <p>UNFUNDED \$ 1,220,000</p> <p>PROJECT TOTAL \$ 3,970,000</p>		
										STRIP MAP		
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design	224	300	300					824				
Land/Right-of-Way												
Construction	46	580	2,520					3,146				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	270	880	2,820					3,970				
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		PROJECT SCHEDULE	START	FINISH
Current Funds										Design	9/2012	1/2020
GO's/Com Paper Issued	510							510		Land/Right-of-Way		
GO's Unissued			200					200		Construction	9/2016	12/2020
RB's/Com Paper										Finish Out		
Certificates of Obligation										Other		
Other (RTR)		640	1,400					2,040		TOTAL SCHEDULE	9/2012	12/2020
Unfunded			1,220					1,220				
TOTAL SOURCES	510	640	2,820					3,970				

PAGE NO: ST28		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT TRANSPORTATION		PROJECT TITLE SIGNAL EQUIPMENT MODERNIZATIONS					PROJECT NO(S) 15620 15624		ACCOUNT NO(S) 624-1799-1562004 692-1799-1562418			
PROJECT DESCRIPTION												
<p>This project provides various traffic signal improvements such as replacing obsolete mast arm poles, upgrading left-turn displays, upgrading traffic signal cabinets, replacing vehicle detection, school flasher system, replacing aged and damaged signal cables, and removing median-mounted left-turn poles. This project is coordinated with the Traffic Control System projects.</p> <p>The funding for 2019 will be used to continue the upgrade program to replace our 30-year-old traffic signal cabinets.</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 _____				Emergency and routine maintenance requirements should decrease where new equipment is installed.								
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design		35							35			
Land/Right-of-Way												
Construction		1,091	410						1,501			
Landscaping												
Equip. & Furnish.		871	2,066						2,937			
Other												
TOTAL COSTS		1,997	2,476						4,473			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds		195	50						245			
GO's/Com Paper Issued		2,721							2,721			
GO's Unissued			1,379						1,379			
RB's/Com Paper												
Certificates of Obligation												
Other (Reimbursements)		128							128			
Unfunded												
TOTAL SOURCES		3,044	1,429						4,473			
STRIP MAP										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
TOTAL SCHEDULE										(Ongoing		Project)

PAGE NO: ST29		<i>Continuing Project</i>						*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		FUNDING SOURCE(S)										
<p>This project is for the 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. The quiet zone along the KCS line has been completed successfully. Future projects may include the DGNO/DART line.</p> <p>Projects for 2019 will be to apply for a quiet zone on the DGNO/DART line.</p>		<p>2004 Bond Fund \$ 2,100,000</p>										
<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>This will involve new equipment that will be necessary to maintain.</p>								<p>TOTAL FUNDED \$ 2,100,000</p> <p>UNFUNDED \$</p> <p>PROJECT TOTAL \$ 2,100,000</p>		
STRIP MAP												
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design	87	108						195				
Land/Right-of-Way												
Construction	230						1,675	1,905				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	317	108					1,675	2,100				
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds												
GO's/Com Paper Issued	425							425	Design			
GO's Unissued							1,675	1,675	Land/Right-of-Way			
RB's/Com Paper									Construction			
Certificates of Obligation									Finish Out			
Other									Other			
Unfunded												
TOTAL SOURCES	425						1,675	2,100	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: ST32		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT STREET			PROJECT TITLE STREET RECONSTRUCTION AND IMPROVEMENTS					PROJECT NO(S) 39818	ACCOUNT NO(S) 692-4699-3981800		
PROJECT DESCRIPTION											
<p>Funding for street reconstruction and repair has traditionally come from transfers from the General Fund, Water Utility Fund, Wastewater Utility Fund, Community Development Block Grants, and Tax Note proceeds. However, streets within the city have suffered a quicker rate of deterioration in recent years, primarily due to the extended drought, and additional funds are needed to address this issue. This project provides the resources needed to more adequately fund the Street Program and allow the City to improve the condition of its streets.</p>											
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							FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 18,538,000 2019 Certificates of Oblig. 6,750,000 TOTAL FUNDED \$ 25,288,000 UNFUNDED \$ 38,742,000 PROJECT TOTAL \$ 64,030,000	
STRIP MAP											
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design											
Land/Right-of-Way											
Construction	16,320	8,968	7,168	8,198	11,668	11,708		64,030			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	16,320	8,968	7,168	8,198	11,668	11,708		64,030			
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	18,538	6,750						25,288			
Other											
Unfunded			7,168	8,198	11,668	11,708		38,742			
TOTAL SOURCES	18,538	6,750	7,168	8,198	11,668	11,708		64,030			
								PROJECT SCHEDULE	START	FINISH	
								Design			
								Land/Right-of-Way			
								Construction			
								Finish Out			
								Other			
								TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: ST33		<i>New Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) 1																																																																																																																																																																																											
DEPARTMENT STREET			PROJECT TITLE NAVASOTA DRIVE - BLANCO LN. TO CASTLE DR.					PROJECT NO(S). 39841		ACCOUNT NO(S). 825-3978-3984119																																																																																																																																																																																											
PROJECT DESCRIPTION CDBG-funded street reconstruction. Only \$160,745 of the \$199,000 total project cost is being funded with CDBG funds. The remaining \$38,255 of the project cost will come from the Infrastructure Repair & Replacement Fund.																																																																																																																																																																																																					
<table border="0" style="width: 100%;"> <tr> <td style="width: 25%;">IMPACT ON OPERATING BUDGET</td> <td colspan="10">IMPACT EXPLANATION</td> </tr> <tr> <td> <input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____ </td> <td colspan="10"></td> </tr> </table>											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 _____																																																																																																																																																																															
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Unapproved Submitted Projects

DRAINAGE DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
14230	Miscellaneous Flooding	D01	GOB04/CO/UNF	\$3,948	\$2,564	\$1,500	\$0	\$0	\$0	\$0	\$8,012
14231	Petition Drainage	D02	GOB04/Other/UNF	1,997	1,344	700	0	0	0	0	4,041
14244	Classic and Yale	D03	GOB04/UNF	3,051	288	0	0	90	458	4,313	8,200
14245	Garland Heights / Freeman	D04	GOB04	0	0	0	200	350	1,650	2,000	4,200
14246	Parkmont Drive	D05	GOB04/CO/UNF	4,760	1,107	0	0	0	0	0	5,867
14247	Bridge Remediation	D06	CF/CO/Other/UNF	3,500	1,200	5,100	0	0	0	0	9,800
	Total			<u>\$17,256</u>	<u>\$6,503</u>	<u>\$7,300</u>	<u>\$200</u>	<u>\$440</u>	<u>\$2,108</u>	<u>\$6,313</u>	<u>\$40,120</u>
	Total Existing CO's/Current Funds			\$4,830	\$1,279	\$834	\$0	\$0	\$0	\$0	\$6,943
	Unfunded			0	0	6,466	0	0	0	2,200	8,666
	2019 Certificate of Obligation			0	4,269	0	0	0	0	0	4,269
	Total 2004 Bond Program			<u>12,426</u>	<u>955</u>	<u>0</u>	<u>200</u>	<u>440</u>	<u>2,108</u>	<u>4,113</u>	<u>20,242</u>
	Total			<u>\$17,256</u>	<u>\$6,503</u>	<u>\$7,300</u>	<u>\$200</u>	<u>\$440</u>	<u>\$2,108</u>	<u>\$6,313</u>	<u>\$40,120</u>

DRAINAGE DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2019	2020	2021	2022	2023	2024 to Completion	Project Total
14230	Miscellaneous Flooding	D01	Appr.	\$2,472	\$1,500	\$0	\$0	\$0	\$0	\$3,972
14231	Petition Drainage	D02	Appr.	852	700	0	0	0	0	\$1,552
14244	Classic and Yale	D03	Appr.	198	0	0	90	458	4,313	5,059
14245	Garland Heights / Freeman	D04	Appr.	0	0	200	350	1,650	2,000	4,200
14246	Parkmont Drive	D05	Appr.	1,107	0	0	0	0	0	1,107
14248	Bridge Remediation	D06	Appr.	0	4,266	0	0	0	0	4,266
	Total			<u>\$4,629</u>	<u>\$6,466</u>	<u>\$200</u>	<u>\$440</u>	<u>\$2,108</u>	<u>\$6,313</u>	<u>\$20,156</u>
	Total Approved			\$4,629	\$6,466	\$200	\$440	\$2,108	\$6,313	\$20,156
	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>\$4,629</u>	<u>\$6,466</u>	<u>\$200</u>	<u>\$440</u>	<u>\$2,108</u>	<u>\$6,313</u>	<u>\$20,156</u>

PAGE NO: D01		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT DRAINAGE		PROJECT TITLE MISCELLANEOUS FLOODING					PROJECT NO(S). 14230		ACCOUNT NO(S). 625-1409-1423004 692-1409-1423001			
PROJECT DESCRIPTION		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. Projects currently scheduled include Mitchell Property storm sewer (\$80,000), Ridgedale-Glenbrook drainage (\$473,000), Strother Alley drainage (\$600,000), Main Street/Avenue A drainage (\$600,000), and Field Knoll drainage (\$200,000).					FUNDING SOURCE(S)					
<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 Various locations.					
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design	679	429	200					1,308				
Land/Right-of-Way												
Construction	3,269	2,135	1,300					6,704				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	3,948	2,564	1,500					8,012				
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds												
GO's/Com Paper Issued	3,942							3,942	Design			
GO's Unissued									Land/Right-of-Way			
RB's/Com Paper									Construction			
Certificates of Obligation	98	2,472						2,570	Finish Out			
Other									Other			
Unfunded			1,500					1,500				
TOTAL SOURCES	4,040	2,472	1,500					8,012	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: D03		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 6		
CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				PROJECT NO(S). 14244		ACCOUNT NO(S). 625-1409-1424404				
DEPARTMENT DRAINAGE		PROJECT TITLE CLASSIC AND YALE				PROJECT NO(S). 14244		ACCOUNT NO(S). 625-1409-1424404		
PROJECT DESCRIPTION Funding is provided for the design, land acquisition, permitting, and construction related to drainage improvements in the vicinity of Classic and Yale Drives. 2019 addresses erosion protection along the drainage channel between Walnut Street and Classic Drive that extends from Bullock Drive to Forest Crest Drive.						FUNDING SOURCE(S) 2004 Bond Fund \$ 6,000,000				
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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Design		410	30			90	458	50	1,038	
Land/Right-of-Way										
Construction		2,641	258					4,263	7,162	
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS		3,051	288			90	458	4,313	8,200	
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Current Funds										
GO's/Com Paper Issued		3,141							3,141	
GO's Unissued			198			90	458	2,113	2,859	
RB's/Com Paper										
Certificates of Obligation										
Other										
Unfunded								2,200	2,200	
TOTAL SOURCES		3,141	198			90	458	4,313	8,200	
						STRIP MAP				
		PROJECT SCHEDULE		START		FINISH				
		Design		6/2008		3/2024				
		Land/Right-of-Way								
		Construction		10/2010		12/2024				
		Finish Out								
		Other								
		TOTAL SCHEDULE		6/2008		12/2024				

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			IMPACT ON OPERATING BUDGET					IMPACT EXPLANATION		
<p>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. In 2017 due to changes in the scope of necessary repairs, Dallas County committed to increased participation for remainder of the project from \$461,120 to \$1,429,314.</p>			<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____					STRIP MAP		
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Design		500	200	300					1,000	
Land/Right-of-Way										
Construction		3,000	1,000	4,800					8,800	
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS		3,500	1,200	5,100					9,800	
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Current Funds		2,200							2,200	
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation		1,905							1,905	
Other (Dallas County)		461	968						1,429	
Unfunded				4,266					4,266	
TOTAL SOURCES		4,566	968	4,266					9,800	
		PROJECT SCHEDULE		START		FINISH				
		Design								
		Land/Right-of-Way								
		Construction								
		Finish Out								
		Other								
		TOTAL SCHEDULE		(Ongoing		Project)				

LIBRARY DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
19581	Facilities Upgrades	L01	CF/GOB04/CO/INT	\$2,500	\$600	\$0	\$0	\$0	\$0	\$0	\$3,100
19584/5	Central Library Life and Safety Upgrades A	L02	CO	241	1,128	0	0	0	0	0	1,369
19584/5	Central Library Life and Safety Upgrades B	L03	CO/UNF	0	0	2,505	0	0	0	0	2,505
Total				<u>\$2,741</u>	<u>\$1,728</u>	<u>\$2,505</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$6,974</u>
Total Existing CO's and Current Funds				\$741	\$1,728	\$1,427	\$0	\$0	\$0	\$0	\$3,896
2019 Certificates of Obligation				0	0	0	0	0	0	0	0
2004 Bond Program				2,000	0	0	0	0	0	0	2,000
Unfunded				0	0	1,078	0	0	0	0	1,078
Total				<u>\$2,741</u>	<u>\$1,728</u>	<u>\$2,505</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$6,974</u>

LIBRARY DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2019	2020	2021	2022	2023	2024 to Completion	Project Total
19584/5	Central Library Life and Safety Upgrades B	L03	Appr.	\$0	\$1,078	\$0	\$0	\$0	\$0	\$1,078
	Total			\$0	\$1,078	\$0	\$0	\$0	\$0	\$1,078
	Total Approved			\$0	\$1,078	\$0	\$0	\$0	\$0	\$1,078
	Total Unapproved			0	0	0	0	0	0	0
	Total			\$0	\$1,078	\$0	\$0	\$0	\$0	\$1,078

PAGE NO: L02		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) 2					
DEPARTMENT LIBRARY				PROJECT TITLE CENTRAL LIBRARY LIFE AND SAFETY UPGRADES A					PROJECT NO(S). 19584 19585		ACCOUNT NO(S). 692-4749-19584XX 692-4749-19585XX			
PROJECT DESCRIPTION									FUNDING SOURCE(S)					
<p>The Central Library Life and Safety Upgrades project is managed by the Facilities Management Department, with the involvement of a Construction Manager at Risk, as part of a Central Library construction program. Fire and life safety upgrades included in 2019 are needed to bring the Central Library up to the current Fire Code and include the upgrade of two stairwells, upgrade of and additional parking lot lighting and resurfacing, addition of security cameras and access controls, and work in both sets of public restrooms.</p>				<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>				Certificates of Oblig. Issued \$ 1,368,919	
													TOTAL FUNDED \$ 1,368,919	
													UNFUNDED \$	
PROJECT TOTAL \$ 1,368,919														
STRIP MAP														
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total						
Design	129	16						145						
Land/Right-of-Way														
Construction	102	1,050						1,152						
Landscaping														
Equip. & Furnish.		58						58						
Other (Project Manager)	10	4						14						
TOTAL COSTS	241	1,128						1,369						
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total						
Current Funds														
GO's/Com Paper Issued														
GO's Unissued														
RB's/Com Paper														
Certificates of Obligation	1,369							1,369	Design	1/2013	9/2019			
Other									Land/Right-of-Way					
Unfunded									Construction	4/2017	9/2019			
									Finish Out					
									Other	1/2013	9/2019			
TOTAL SOURCES	1,369							1,369	TOTAL SCHEDULE	1/2013	9/2019			

PAGE NO: L03		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) 2		
DEPARTMENT LIBRARY			PROJECT TITLE CENTRAL LIBRARY LIFE AND SAFETY UPGRADES B					PROJECT NO(S) 19584 19585		ACCOUNT NO(S) 692-4749-19584XX 692-4749-19585XX		
PROJECT DESCRIPTION												
<p>The Central Library Life and Safety Upgrades project is managed by the Facilities Management Department, with the involvement of a Construction Manager at Risk, as part of a Central Library construction program. Fire and life safety upgrades are needed to bring the Central Library up to the current Fire Code. Scope B will address the design and installation of fire sprinklers on the main floor of the Library; replacement of the lights, ceiling tile, and grid; and work in the North Program Room. Because of the invasiveness of the work in Scope B, in order to keep the Central Library open and operational during construction, the project cost increases due to phasing over 12 months. If City Council directs the closure of the Library during construction, the additional cost decreases.</p> <p>City Council has deferred Scope B until the completion of the Library Master Plan and voter approval of the 2019 Bond Program.</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 _____				By replacing the existing fluorescent lights with LED fixtures, there will be operational savings due to the reduction in the electrical consumption of the building.								
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	STRIP MAP			
Design			16					16				
Land/Right-of-Way												
Construction			2,485					2,485				
Landscaping												
Equip. & Furnish.												
Other (PM; Phasing)			4					4				
TOTAL COSTS			2,505					2,505				
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation	1,427							1,427				
Other												
Unfunded			1,078					1,078				
TOTAL SOURCES	1,427		1,078					2,505				
									PROJECT SCHEDULE	START	FINISH	
									Design	2/2020	12/2020	
									Land/Right-of-Way			
									Construction	2/2020	12/2020	
									Finish Out			
									Other	2/2020	12/2020	
									TOTAL SCHEDULE	2/2020	12/2020	

PUBLIC SAFETY DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
Fire											
12032	Fire Station No. 5	PS01	CF/GOB91/04/CO	\$5,106	\$358	\$0	\$0	\$0	\$0	\$0	\$5,464
12099	Rebuild/Relocate Fire Station No. 7	PS02	GOB04/UNF	0	0	1,320	0	0	0	7,045	8,365
12101	Relocate Fire Station No. 1	PS03	GOB04/UNF	0	0	1,320	2,896	6,114	2,010	0	12,340
12107	Ambulance Replacement	PS04	CF/CO/UNF	2,826	1,190	734	789	848	911	980	8,278
12058	Replace Fire Apparatus	PS05	CF/CO/UNF	6,835	3,637	396	1,937	0	2,601	0	15,406
12108	Emergency Response Safety Equipment	PS06	CF/UNF	322	0	2,328	0	0	0	0	2,650
12110	* Fire Health and Safety Equipment	PS07	CF	0	185	0	0	0	0	0	185
Management Information Services											
23047	Radio System Replacement	PS08	CF/CO/INT/Other	16,337	759	0	0	0	0	0	17,096
Total				<u>\$31,426</u>	<u>\$6,129</u>	<u>\$6,098</u>	<u>\$5,622</u>	<u>\$6,962</u>	<u>\$5,522</u>	<u>\$8,025</u>	<u>\$69,784</u>
Total Existing CO's/Current Funds/Tax/Interest				\$30,441	\$2,557	\$0	\$0	\$0	\$0	\$0	\$32,998
2019 Certificates of Obligation				0	3,572	0	0	0	0	0	3,572
Unfunded				0	0	6,098	5,022	6,962	5,522	7,600	31,204
Total 1991 Bond Program				560	0	0	0	0	0	0	560
Total 2004 Bond Program				425	0	0	600	0	0	425	1,450
Total				<u>\$31,426</u>	<u>\$6,129</u>	<u>\$6,098</u>	<u>\$5,622</u>	<u>\$6,962</u>	<u>\$5,522</u>	<u>\$8,025</u>	<u>\$69,784</u>

*Projects funded for the first time

PUBLIC SAFETY DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
UNAPPROVED PROJECTS

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Thru 12/31/18</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
	<u>Fire</u>									
12098	Relocate Fire Station No. 6	PS09	\$0	\$0	\$2,978	\$4,416	\$1,276	\$0	\$0	\$8,670
	<u>Police</u>									
13026	Evidence and Police Property Facility	PS10	0	0	2,260	8,536	7,204	0	0	18,000
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$5,238</u>	<u>\$12,952</u>	<u>\$8,480</u>	<u>\$0</u>	<u>\$0</u>	<u>\$26,670</u>

*Projects requested for the first time

PUBLIC SAFETY DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Project Status</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
Fire										
12099	Rebuild/Relocate Fire Station No. 7	PS02	Appr.	\$0	\$1,320	\$0	\$0	\$0	\$7,045	\$8,365
12101	Relocate Fire Station No. 1	PS03	Appr.	0	1,320	2,896	6,114	2,010	0	12,340
12107	Ambulance Replacement	PS04	Appr.	682	734	789	848	911	980	4,944
12058	Replace Fire Apparatus	PS05	Appr.	2,890	396	1,937	0	2,601	0	7,824
12108	Emergency Response Safety Equipment	PS06	Appr.	0	2,328	0	0	0	0	2,328
12098	Relocate Fire Station No. 6	PS09	Unappr.	0	2,978	4,416	1,276	0	0	8,670
Police										
13026	Evidence and Police Property Facility	PS10	Unappr.	0	2,260	8,536	7,204	0	0	18,000
Total				<u>\$3,572</u>	<u>\$11,336</u>	<u>\$18,574</u>	<u>\$15,442</u>	<u>\$5,522</u>	<u>\$8,025</u>	<u>\$62,471</u>
Total Approved				\$3,572	\$6,098	\$5,622	\$6,962	\$5,522	\$8,025	\$35,801
Total Unapproved				0	5,238	12,952	8,480	0	0	26,670
Total				<u>\$3,572</u>	<u>\$11,336</u>	<u>\$18,574</u>	<u>\$15,442</u>	<u>\$5,522</u>	<u>\$8,025</u>	<u>\$62,471</u>

*Projects funded for the first time

DEPARTMENT FIRE	PROJECT TITLE FIRE STATION NO. 5	PROJECT NO(S). 12032	ACCOUNT NO(S). 633-4749-1203200 692-4749-1203200
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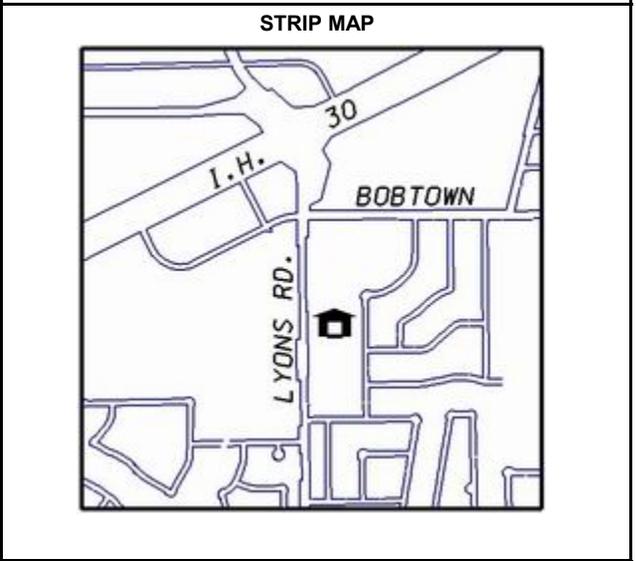
PROJECT DESCRIPTION
The original scope of this project was to remodel Fire Station No. 5 at 5626 Lyons Road. This building is 37 years old with major structural issues, and the assessment of the work required to bring the building up to workable standards exceeded the funds available. Replacement of 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	IMPACT EXPLANATION
<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____	Current building is non-sustainable 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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Design	399							399
Land/Right-of-Way								
Construction	4,455	160						4,615
Landscaping								
Equip. & Furnish.	52	78						130
Other	200	120						320
TOTAL COSTS	5,106	358						5,464

*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 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	2/2019
Finish Out		
Other		
TOTAL SCHEDULE	1/2006	2/2019

PAGE NO: PS07	<i>New Project</i>	CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All
DEPARTMENT FIRE		PROJECT TITLE FIRE HEALTH AND SAFETY EQUIPMENT						PROJECT NO(S) 12110	ACCOUNT NO(S) 692-1399-12110XX
PROJECT DESCRIPTION									
<p>This project request is to upgrade the current Magne Grip Exhaust Capture System at fire stations. The upgrade will work in conjunction with the most recent technology systems used in emergency response vehicles and apparatus. This project will limit exposures to motor exhaust in fire stations. This project will provide an upgrade to the current infrastructure. To provide maximum protection for all fire stations and considering other potential deployment models, including models for the accommodation of reserve equipment, three additional exhaust capture connection points are proposed to be added to the original scope of work with one each at Stations No. 3, No. 4, and No. 11. These three connection points were not part of the original evaluation proposed.</p> <p>This project was moved forward at Council direction during the FY 2018-19 Budget 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 _____			There is current infrastructure; however, there will be additional maintenance due to upgrades and components not currently utilized.						
STRIP MAP									
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Design									
Land/Right-of-Way									
Construction									
Landscaping									
Equip. & Furnish.		185						185	
Other									
TOTAL COSTS		185						185	
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Current Funds									
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper									
Certificates of Obligation									
Other (Interest)		185						185	
Unfunded									
TOTAL SOURCES		185						185	
							PROJECT SCHEDULE	START	FINISH
							Design		
							Land/Right-of-Way		
							Construction		
							Finish Out		
							Other		
							TOTAL SCHEDULE	2/2019	3/2019

PAGE NO: PS08		<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												
<p>The new P25 standard radio system for Public Safety and other City entities has replaced the end-of-life-cycle analog radio system. Motorola continues to work on final acceptance items which has delayed the final contract payment. The delayed system acceptance has also resulted in a savings of annual maintenance as the City is not obligated to pay maintenance until the end of the warranty period which is one year after final system acceptance. No additional funding for this project is being requested.</p>												
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION								
<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 three to five new positions - dependent on whether we partner with other cities - to support the radio system. As of the FY 2018-19 Adopted Operating Budget, four positions have been added.								
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design												
Land/Right-of-Way												
Construction		16,307	759						17,066			
Landscaping												
Equip. & Furnish.												
Other (Project Manager)		30							30			
TOTAL COSTS		16,337	759						17,096			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds		1,000							1,000			
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		11,338							11,338			
Other (Interest/Reimb.)		4,758							4,758			
Unfunded												
TOTAL SOURCES		17,096							17,096			
FUNDING SOURCE(S)										TOTAL FUNDED		\$ 17,096,000
Certificates of Oblig. Issued												\$ 11,338,000
Current Funds												1,000,000
Interest												650,000
Reimbursement												4,108,000
										UNFUNDED		\$
										PROJECT TOTAL		\$ 17,096,000
STRIP MAP												
Various locations.												
								PROJECT SCHEDULE	START	FINISH		
								Design				
								Land/Right-of-Way				
								Construction	4/2014	6/2019		
								Finish Out				
								Other	1/2014	12/2018		
TOTAL SCHEDULE									1/2014	6/2019		

Unapproved Submitted Projects

ECONOMIC DEVELOPMENT DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
Engineering											
10046	Land/Property Acquisition	ED01	INT/UNF	\$200	\$280	\$0	\$0	\$0	\$0	\$0	\$480
10510	Downtown Street/Sidewalk/Parking Study	ED02	CO/UNF	0	82	250	2,150	2,000	0	0	4,482
Planning											
10027	Downtown Streetscape & Redevelopment	ED03	CF/CO/Other/UNF	1,839	546	616	504	539	576	0	4,620
10051	Land Acquisition	ED04	CF/GOB04	11,874	0	0	0	0	0	920	12,794
10034	Neighborhood Vitality Grant Program	ED05	GOB04/CO/Other	3,604	1,511	0	0	0	0	0	5,115
10042	Downtown Gateways	ED06	GOB04	120	330	350	0	0	0	0	800
10043	Downtown Square Design & Construction	ED07	GOB04/INT/UNF	536	300	3,077	0	0	0	0	3,913
10044	Forest/Jupiter Streetscape	ED08	GOB04	0	0	0	100	880	0	0	980
10049	Commercial Corridor Revitalization	ED09	GOB04	110	0	0	0	0	0	2,890	3,000
10127	Walnut Street Pedestrian Corridor	ED10	CF/CO/Other/INT	860	598	0	0	0	0	0	1,458
10509	* Rosehill Streetscape & Public Improvements	ED11	CO/UNF	0	1,113	900	0	0	0	0	2,013
Total				<u>\$19,143</u>	<u>\$4,760</u>	<u>\$5,193</u>	<u>\$2,754</u>	<u>\$3,419</u>	<u>\$576</u>	<u>\$3,810</u>	<u>\$39,655</u>
Total Existing CO's/CF/Other				\$12,401	\$1,506	\$9	\$0	\$0	\$0	\$0	\$13,916
2019 Certificate of Obligation				0	1,113	0	0	0	0	0	1,113
Total 2004 Bond Program				6,742	2,141	927	100	880	0	3,810	14,600
Unfunded				0	0	4,257	2,654	2,539	576	0	10,026
Total				<u>\$19,143</u>	<u>\$4,760</u>	<u>\$5,193</u>	<u>\$2,754</u>	<u>\$3,419</u>	<u>\$576</u>	<u>\$3,810</u>	<u>\$39,655</u>

*Projects funded for the first time

ECONOMIC DEVELOPMENT DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
UNAPPROVED PROJECTS

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Thru 12/31/18</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
	<u>Planning</u>									
10511	* Rosehill Road Power Lines	ED12	\$0	\$0	\$1,100	\$0	\$0	\$0	\$0	\$1,100
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$1,100</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1,100</u>

* Project funded for the first time

ECONOMIC DEVELOPMENT DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Project Status</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
	<u>Engineering</u>									
10510	Downtown Street/Sidewalk/Parking Study	ED02	Appr.	\$0	\$250	\$2,150	\$2,000	\$0	\$0	\$4,400
	<u>Planning</u>									
10027	Downtown Streetscape & Redevelopment	ED03	Appr.	0	607	504	539	576	0	2,226
10032	Land Acquisition	ED04	Appr.	0	0	0	0	0	920	920
10034	Neighborhood Vitality Grant Program	ED05	Appr.	1,063	0	0	0	0	0	1,063
10042	Downtown Gateways	ED06	Appr.	178	350	0	0	0	0	528
10043	Downtown Square Design & Construction	ED07	Appr.	300	3,077	0	0	0	0	3,377
10044	Forest/Jupiter Streetscape	ED08	Appr.	0	0	100	880	0	0	980
10049	Commercial Corridor Revitalization	ED09	Appr.	0	0	0	0	0	2,890	2,890
10509	* Rosehill Streetscape & Public Improvements	ED11	Appr.	1,113	900	0	0	0	0	2,013
10511	* Rosehill Road Power Lines	ED12	Unappr.	0	1,100	0	0	0	0	1,100
	Total			<u>\$2,654</u>	<u>\$6,284</u>	<u>\$2,754</u>	<u>\$3,419</u>	<u>\$576</u>	<u>\$3,810</u>	<u>\$19,497</u>
	Total Approved			\$2,654	\$5,184	\$2,754	\$3,419	\$576	\$3,810	\$18,397
	Total Unapproved			0	1,100	0	0	0	0	1,100
	Total			<u>\$2,654</u>	<u>\$6,284</u>	<u>\$2,754</u>	<u>\$3,419</u>	<u>\$576</u>	<u>\$3,810</u>	<u>\$19,497</u>

*Projects funded for the first time

PAGE NO: ED05		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT PLANNING			PROJECT TITLE NEIGHBORHOOD VITALITY GRANT PROGRAM					PROJECT NO(S) 10034		ACCOUNT NO(S) 643-1509-1003404	
PROJECT DESCRIPTION The Neighborhood Vitality Grant Program is designed to provide assistance with specific neighborhood projects that provide a public benefit and thereby promote a stronger, safer, and healthier community. The City enters into agreements with organized, active, registered homeowner and neighborhood associations or groups for the specific purpose of completing a neighborhood improvement project within the city of Garland. The program also proactively seeks projects in the community and engages with residents to create permanent improvements in their neighborhoods and surrounding areas via Neighborhood Enhancement (staff) projects.							FUNDING SOURCE(S)				
							2004 Bond Fund		\$ 5,000,000		
							Contributions		50,459		
							Certificates of Oblig. Issued		65,000		
							TOTAL FUNDED		\$ 5,115,459		
							UNFUNDED		\$		
							PROJECT TOTAL		\$ 5,115,459		
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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Design											
Land/Right-of-Way											
Construction		3,604	1,511						5,115		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		3,604	1,511						5,115		
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Current Funds											
GO's/Com Paper Issued		3,937							3,937		
GO's Unissued			1,063						1,063		
RB's/Com Paper											
Certificates of Obligation		65							65		
Other (Contributions)		50							50		
Unfunded											
TOTAL SOURCES		4,052	1,063						5,115		
		STRIP MAP									
		PROJECT SCHEDULE		START		FINISH					
		Design									
		Land/Right-of-Way									
		Construction									
		Finish Out									
		Other									
		TOTAL SCHEDULE		1/2005		12/2019					

PAGE NO: ED06		<i>Continuing Project</i>					*Amounts in 000's \$		COUNCIL DISTRICT(S) 2, 8			
DEPARTMENT PLANNING		PROJECT TITLE DOWNTOWN GATEWAYS					PROJECT NO(S). 10042		ACCOUNT NO(S). 643-1509-1004204			
PROJECT DESCRIPTION This project will allow for the design and construction of gateways at critical entry points to Downtown Garland in conjunction with the Downtown Wayfinding Program. Gateways aid in wayfinding and orientation for both residents and visitors and clue them that they are entering or leaving a special area. Gateway treatments may include monuments, walls, enhanced landscaping, special paving, signage, or any combination of these.		FUNDING SOURCE(S) 2004 Bond Fund \$ 800,000										
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 Operating expenses will be incurred for landscape and irrigation maintenance and plant material replacement. Amount of expense is undetermined, as it is dependent on the type of treatments used, especially relative to the amount of landscaping.										
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design		120	20						140			
Land/Right-of-Way												
Construction			310	350					660			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		120	330	350					800			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds												
GO's/Com Paper Issued		272							272			
GO's Unissued			178	350					528			
RB's/Com Paper												
Certificates of Obligation												
Other												
Unfunded												
TOTAL SOURCES		272	178	350					800			
		STRIP MAP										
		PROJECT SCHEDULE		START		FINISH						
		Design		6/2016		3/2019						
		Land/Right-of-Way										
		Construction		3/2019		12/2020						
		Finish Out										
		Other										
		TOTAL SCHEDULE		6/2016		12/2020						

PAGE NO: ED07	<i>Continuing Project</i>	CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 2			
DEPARTMENT PLANNING		PROJECT TITLE DOWNTOWN SQUARE DESIGN & CONSTRUCTION						PROJECT NO(S). 10043		ACCOUNT NO(S). 643-1509-1004304		
PROJECT DESCRIPTION												
<p>This project will redesign the Downtown Square to create a larger, more functional, and inviting public space. The project will include evaluation of design concepts such as raising the grade of the Plaza to street level and creating a more flexible and functional space for large gatherings as well as individual activity. This project is a component of the Downtown Redevelopment Plan and will be implemented in conjunction with the Downtown Streetscape and Transit-Oriented Connectivity projects and with public redevelopment efforts. Project costs will vary based on final design.</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 _____				The impact on the Operating Budget cannot be determined until a design is finalized.								
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design		536	300						836			
Land/Right-of-Way												
Construction				3,077					3,077			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		536	300	3,077					3,913			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds												
GO's/Com Paper Issued		523							523			
GO's Unissued			300	577					877			
RB's/Com Paper												
Certificates of Obligation												
Other (Interest)		13							13			
Unfunded				2,500					2,500			
TOTAL SOURCES		536	300	3,077					3,913			
STRIP MAP												
						PROJECT SCHEDULE		START		FINISH		
						Design		10/2010		12/2019		
						Land/Right-of-Way						
						Construction		1/2020		12/2020		
						Finish Out						
						Other						
						TOTAL SCHEDULE		10/2010		12/2020		

PAGE NO: ED08		<i>Continuing Project</i>		CITY OF GARLAND - 2019 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													
<p>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.</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 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.										
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design					100				100				
Land/Right-of-Way													
Construction						880			880				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS					100	880			980				
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued					100	880			980				
RB's/Com Paper													
Certificates of Obligation													
Other													
Unfunded													
TOTAL SOURCES					100	880			980				
										STRIP MAP			
										PROJECT SCHEDULE		START	FINISH
										Design		1/2021	12/2021
										Land/Right-of-Way			
										Construction		1/2022	12/2022
Other													
TOTAL SCHEDULE										1/2021	12/2022		

PAGE NO: ED09		<i>Continuing Project</i>		CITY OF GARLAND - 2019 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										FUNDING SOURCE(S)		
<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>										2004 Bond Fund		\$ 3,000,000
										TOTAL FUNDED		\$ 3,000,000
										UNFUNDED		\$
										PROJECT TOTAL		\$ 3,000,000
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 _____			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.									
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds									Design	6/2007	12/2024	
GO's/Com Paper Issued	110							110	Land/Right-of-Way			
GO's Unissued							2,890	2,890	Construction	1/2024	12/2024	
RB's/Com Paper									Finish Out			
Certificates of Obligation									Other			
Other												
Unfunded												
TOTAL SOURCES	110						2,890	3,000	TOTAL SCHEDULE	6/2007	12/2024	

Unapproved Submitted Projects

**MUNICIPAL FACILITIES AND MISCELLANEOUS
TAX SUPPORTED DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS**

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
Facilities Management											
16037	HVAC Replacement/Upgrade	MF01	CO/UNF	\$1,592	\$1,130	\$300	\$250	\$250	\$250	\$0	\$3,772
16038	Roof Replacement	MF02	CF/CO/UNF	1,214	1,425	500	400	300	300	0	4,139
16039	Facilities Upgrades	MF03	CF/CO/UNF	1,565	400	400	400	400	400	0	3,565
16057	Fire Alarm, Fire Safety and Security Systems	MF04	CF/CO/INT/UNF	328	200	200	200	200	200	0	1,328
16062	Parking Lot Upgrades	MF05	CO/UNF	227	250	250	250	250	250	0	1,477
16066	Carver Center Renovation & Safety Upgrades	MF06	CO/INT	2,260	1,203	0	0	0	0	0	3,463
16067	Carver Senior Center Renovation	MF07	CDBG/CO/INT	475	389	0	0	0	0	0	864
Firewheel											
36530	Firewheel Golf Park Improvements	MF08	CF/CO/INT/UNF	1,240	340	150	150	150	150	0	2,180
36531	Firewheel Golf Park Cart Replacements	MF09	CO/CF/UNF	634	379	0	0	402	700	0	2,115
Public and Media Relations											
16082	CGTV - Upgrades	MF10	PEG Fee	2,517	605	0	0	0	0	0	3,122
Street											
39811	Infrastructure Equipment	MF11	CO/UNF	1,843	753	500	500	500	500	0	4,596
Total				<u>\$13,895</u>	<u>\$7,074</u>	<u>\$2,300</u>	<u>\$2,150</u>	<u>\$2,452</u>	<u>\$2,750</u>	<u>\$0</u>	<u>\$30,621</u>
Total Existing CO's/Current Funds/Interest/Other				\$13,895	\$5,055	\$250	\$250	\$24	\$0	\$0	\$19,474
2019 Certificates of Obligation				0	2,019	0	0	0	0	0	2,019
Unfunded				0	0	2,050	1,900	2,428	2,750	0	9,128
Total				<u>\$13,895</u>	<u>\$7,074</u>	<u>\$2,300</u>	<u>\$2,150</u>	<u>\$2,452</u>	<u>\$2,750</u>	<u>\$0</u>	<u>\$30,621</u>

* Project funded for the first time

**MUNICIPAL FACILITIES AND MISCELLANEOUS
TAX SUPPORTED DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS**

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Project Status</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
<u>Facilities Management</u>										
16037	HVAC Replacement/Upgrade	MF01	Appr.	\$918	\$300	\$250	\$250	\$250	\$0	\$1,968
16038	Roof Replacement	MF02	Appr.	500	500	400	300	300	0	2,000
16039	Facilities Upgrade	MF03	Appr.	278	400	400	400	400	0	1,878
16057	Fire Alarm, Fire Safety and Security Systems	MF04	Appr.	107	200	200	200	200	0	907
16062	Parking Lot Upgrades	MF05	Appr.	0	0	0	226	250	0	476
<u>Firewheel</u>										
36530	Firewheel Golf Park Improvements	MF08	Appr.	0	150	150	150	150	0	600
36531	Firewheel Golf Park Cart Replacements	MF09	Appr.	0	0	0	402	700	0	1,102
<u>Street</u>										
39811	Infrastructure Equipment	MF11	Appr.	216	500	500	500	500	0	2,216
Total				<u>\$2,019</u>	<u>\$2,050</u>	<u>\$1,900</u>	<u>\$2,428</u>	<u>\$2,750</u>	<u>\$0</u>	<u>\$11,147</u>
Total Approved				\$2,019	\$2,050	\$1,900	\$2,428	\$2,750	\$0	\$11,147
Total Unapproved				0	0	0	0	0	0	0
Total				<u>\$2,019</u>	<u>\$2,050</u>	<u>\$1,900</u>	<u>\$2,428</u>	<u>\$2,750</u>	<u>\$0</u>	<u>\$11,147</u>

* Project funded for the first time

PAGE NO: MF01		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All								
DEPARTMENT FACILITIES MANAGEMENT			PROJECT TITLE HVAC REPLACEMENT/UPGRADE					PROJECT NO(S). 16037		ACCOUNT NO(S). 692-4749-16037XX								
PROJECT DESCRIPTION										FUNDING SOURCE(S)								
Continuation of an annual Capital Replacement Program which was implemented in 1994 to ensure that environmental controls for people and equipment are constantly maintained through the replacement of HVAC equipment as required at City facilities.										Certificates of Oblig. Issued		\$ 1,804,360	2019 Certificates of Oblig.		918,000			
										TOTAL FUNDED		\$ 2,722,360	UNFUNDED		\$ 1,050,000			
										PROJECT TOTAL		\$ 3,772,360						
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 _____			Replacing units having met or exceeded expected useful lives will save the City's Operating Budget in three ways: 1) maintenance and repair costs allocated to General Fund departments via Facilities Management budget will be lower; 2) new units will be under a manufacturer's warranty period; 3) new units will be running on new refrigerant much cheaper than R-22 being phased out completely.							Various locations.								
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total										
Design																		
Land/Right-of-Way																		
Construction	1,592	1,130	300	250	250	250		3,772										
Landscaping																		
Equip. & Furnish.																		
Other																		
TOTAL COSTS	1,592	1,130	300	250	250	250		3,772										
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	PROJECT SCHEDULE	START	FINISH							
Current Funds																		
GO's/Com Paper Issued									Design									
GO's Unissued									Land/Right-of-Way									
RB's/Com Paper									Construction									
Certificates of Obligation	1,804	918						2,722	Finish Out									
Other									Other									
Unfunded			300	250	250	250		1,050										
TOTAL SOURCES	1,804	918	300	250	250	250		3,772	TOTAL SCHEDULE	(Ongoing	Project)							

PAGE NO: MF03		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All							
DEPARTMENT FACILITIES MANAGEMENT			PROJECT TITLE FACILITIES UPGRADES					PROJECT NO(S). 16039		ACCOUNT NO(S). 692-4749-1603900							
PROJECT DESCRIPTION										FUNDING SOURCE(S)							
Continuation of an annual Capital Program initiated in 1997. Provides funds to develop and execute immediate and long-range repair, alteration, revitalization, modification, and modernization life cycle planning, programming, design, and construction necessary to restore City facilities to conditions needed to adequately support either current or changed missions and, concurrently, the needs of City of Garland employees and citizens.										Certificates of Oblig. Issued		\$ 1,373,091					
										Current Funds		313,886					
										2019 Certificates of Oblig.		278,000					
										TOTAL FUNDED		\$ 1,964,977					
										UNFUNDED		\$ 1,600,000					
										PROJECT TOTAL		\$ 3,564,977					
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 _____			Positive impact on the Operating Budget will result from reduced unplanned maintenance and repair work.							Various locations.							
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total									
Design																	
Land/Right-of-Way																	
Construction	1,565	400	400	400	400	400		3,565									
Landscaping																	
Equip. & Furnish.																	
Other																	
TOTAL COSTS	1,565	400	400	400	400	400		3,565									
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	PROJECT SCHEDULE	START	FINISH						
Current Funds	314							314	Design								
GO's/Com Paper Issued									Land/Right-of-Way								
GO's Unissued									Construction								
RB's/Com Paper									Finish Out								
Certificates of Obligation	1,373	278						1,651	Other								
Other																	
Unfunded			400	400	400	400		1,600									
TOTAL SOURCES	1,687	278	400	400	400	400		3,565	TOTAL SCHEDULE	(Ongoing	Project)						

PAGE NO: MF04	<i>Continuing Project</i>	CITY OF GARLAND - 2019 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										FUNDING SOURCE(S)		
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.										Current Funds	\$	46,173
										Interest		50,000
										Certificates of Oblig. Issued		325,000
										2019 Certificates of Oblig.		107,000
										TOTAL FUNDED	\$	528,173
										UNFUNDED	\$	800,000
										PROJECT TOTAL	\$	1,328,173
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION								
<input checked="" type="checkbox"/> Will Impact	Annual Cost/(Savings):			The Operating Budget will increase in response to added need to fund annual inspection, monitoring, and maintenance programs.								
<input type="checkbox"/> Will Not Impact	Personnel											
# of Positions _____	Operations											
	Capital _____											
	Total _____											
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	STRIP MAP Various locations.			
Design												
Land/Right-of-Way												
Construction	328	200	200	200	200	200		1,328				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	328	200	200	200	200	200		1,328				
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Current Funds	46							46				
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation	325	107						432				
Other (Interest)	50							50				
Unfunded			200	200	200	200		800				
TOTAL SOURCES	421	107	200	200	200	200		1,328				
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: MF06		Continuing Project					*Amounts in 000's \$		COUNCIL DISTRICT(S) 2	
DEPARTMENT FACILITIES MANAGEMENT		PROJECT TITLE CARVER CENTER RENOV. / SAFETY UPGRADES					PROJECT NO(S) 16066		ACCOUNT NO(S) 692-4749-1606613	
PROJECT DESCRIPTION There were some major structural issues with the foundation of the Carver 3 building that were identified as part of a Building Assessment Study and addressed in 2015. Now the facility is in need of extensive interior work including sheetrock repairs, painting, flooring, and ADA and life safety upgrades, as well as exterior painting of three of the Carver buildings. Additional funding is needed to address the roof structure. When the roof was removed as part of the replacement process, it was discovered that the roof purlins were not properly attached to the roof structure which, in turn, meant that the new roof installation would not meet the current building code. Additional work was required which has caused the contingency to be almost fully depleted with the construction still several months away from completion.		FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 3,363,000 Interest 100,000 TOTAL FUNDED \$ 3,463,000 UNFUNDED \$ PROJECT TOTAL \$ 3,463,000					STRIP MAP			
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 The City will see some operational savings from the installation of more efficient HVAC equipment and no additional costs attempting to keep the old equipment running.								
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Design		200	67						267	
Land/Right-of-Way										
Construction		2,000	1,130						3,130	
Landscaping										
Equip. & Furnish.										
Other (Project Manager)		60	6						66	
TOTAL COSTS		2,260	1,203						3,463	
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation		3,363							3,363	
Other (Interest)			100						100	
Unfunded										
TOTAL SOURCES		3,363	100						3,463	
		PROJECT SCHEDULE		START		FINISH				
		Design		10/2013		6/2019				
		Land/Right-of-Way								
		Construction		4/2018		6/2019				
		Finish Out								
		Other								
		TOTAL SCHEDULE		10/2013		6/2019				

PAGE NO: MF07	<i>Continuing Project</i>	CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 2			
DEPARTMENT FACILITIES MANAGEMENT		PROJECT TITLE CARVER SENIOR CENTER RENOVATION						PROJECT NO(S) 16067 39837		ACCOUNT NO(S) 692-4749-1606718 825-8378-3983718		
PROJECT DESCRIPTION												
The renovation will provide a full-service kitchen, ADA-compliant restrooms, as well as paint and flooring throughout. Funding is required to pay for items not covered by CDBG funds for the renovation of the Carver Senior Center.												
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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design	60	16						76				
Land/Right-of-Way												
Construction	400	313						713				
Landscaping												
Equip. & Furnish.		50						50				
Other (Project Manager)	15	10						25				
TOTAL COSTS	475	389						864				
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation	181							181				
Other (CDBG/Interest)	433	250						683				
Unfunded												
TOTAL SOURCES	614	250						864				
								PROJECT SCHEDULE	START	FINISH		
								Design	3/2018	4/2019		
								Land/Right-of-Way				
								Construction	10/2018	4/2019		
								Finish Out				
								Other				
								TOTAL SCHEDULE	3/2018	4/2019		

FUNDING SOURCE(S)	
CDBG Funds	\$ 633,236
Certificates of Oblig. Issued	181,000
Interest	50,000
TOTAL FUNDED	\$ 864,236
UNFUNDED	\$
PROJECT TOTAL	\$ 864,236

STRIP MAP		

PAGE NO: MF08	<i>Continuing Project</i>	CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All																							
DEPARTMENT FIREWHEEL GOLF PARK		PROJECT TITLE FIREWHEEL GOLF PARK IMPROVEMENTS						PROJECT NO(S). 36530		ACCOUNT NO(S). 256-4419-3653011																						
PROJECT DESCRIPTION																																
<p>This project provides funding for Golf Park improvements. Improvements in 2019 include replacing major portions of the split rail fencing throughout the complex, repair and replacement of driving range net and various structures, addressing various creek erosion issues and silt buildup in several ponds, and repair of the bridge structures.</p>																																
<p>FUNDING SOURCE(S)</p> <table border="0"> <tr> <td>Certificates of Oblig. Issued</td> <td>\$</td> <td>903,991</td> </tr> <tr> <td>Current Funds</td> <td></td> <td>122,246</td> </tr> <tr> <td>Interest</td> <td></td> <td>350,000</td> </tr> <tr> <td>Reimbursement</td> <td></td> <td>204,213</td> </tr> <tr> <td colspan="2">TOTAL FUNDED</td> <td>\$ 1,580,450</td> </tr> <tr> <td colspan="2">UNFUNDED</td> <td>\$ 600,000</td> </tr> <tr> <td colspan="2">PROJECT TOTAL</td> <td>\$ 2,180,450</td> </tr> </table>												Certificates of Oblig. Issued	\$	903,991	Current Funds		122,246	Interest		350,000	Reimbursement		204,213	TOTAL FUNDED		\$ 1,580,450	UNFUNDED		\$ 600,000	PROJECT TOTAL		\$ 2,180,450
Certificates of Oblig. Issued	\$	903,991																														
Current Funds		122,246																														
Interest		350,000																														
Reimbursement		204,213																														
TOTAL FUNDED		\$ 1,580,450																														
UNFUNDED		\$ 600,000																														
PROJECT TOTAL		\$ 2,180,450																														
<p>STRIP MAP</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 _____																																
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total																								
Design																																
Land/Right-of-Way																																
Construction	1,240	340	150	150	150	150		2,180																								
Landscaping																																
Equip. & Furnish.																																
Other																																
TOTAL COSTS	1,240	340	150	150	150	150		2,180																								
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total																								
Current Funds	122							122																								
GO's/Com Paper Issued																																
GO's Unissued																																
RB's/Com Paper																																
Certificates of Obligation	904							904																								
Other (Interest/Reimb.)	304	250						554																								
Unfunded			150	150	150	150		600																								
TOTAL SOURCES	1,330	250	150	150	150	150		2,180	TOTAL SCHEDULE	(Ongoing	Project)																					
									PROJECT SCHEDULE	START	FINISH																					
									Design																							
									Land/Right-of-Way																							
									Construction																							
									Finish Out																							
									Other																							

**MISCELLANEOUS REVENUE SUPPORTED AND
INTERNAL SERVICE DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS**

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Funding Source</u>	<u>Thru 12/31/18</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
<u>EWS Group - Delivery</u>											
21068	Replacement of Side-Load Residential Trucks	M01	CO/INT/UNF	\$4,076	\$1,975	\$1,037	\$1,814	\$1,524	\$1,200	\$0	\$11,626
21069	Replacement of Recycling Truck	M02	CO/UNF	1,473	329	1,037	363	381	800	0	4,383
21071	Replacement of Rear-Load Brush Trucks	M03	CF/CO/UNF	1,521	0	0	0	659	691	0	2,871
21073	Replcmt. of Brush Tractor Trucks & Trailers	M04	CO/UNF	1,006	134	70	0	222	116	0	1,548
21075	Replcmt. of Commercial Front-Load Truck	M05	CO/UNF	1,208	349	0	718	0	792	0	3,067
21078	Replacement of Knuckle Boom Truck	M06	CO/UNF	718	192	413	217	456	479	0	2,475
21081	Replcmt. of Commercial Roll-Off Trucks	M07	CO/UNF	185	0	0	233	245	0	0	663
21086	Replacement of Bobcat Skid Loader	M08	CO/UNF	53	0	0	62	0	0	0	115
21087	Restoration of Paint Booth	M09	CO	0	130	0	0	0	0	0	130
21090	* EWS Land Acquisition	M10	CO	32	268	0	0	0	0	0	300
<u>Fleet Services</u>											
19034	Fleet Services Exterior Restoration	M11	CO	0	294	0	0	0	0	0	294
<u>Management Information Services</u>											
23019	Network and Cabling Upgrades	M12	CF/CO/INT/UNF	1,200	320	320	0	0	0	0	1,840
23048	Telephone System Replacement	M13	CO/UNF	300	626	413	313	0	0	0	1,652
23061	* Wastewater/Northern Route Fiber Replacemt.	M14	CO	0	150	0	0	0	0	0	150
<u>Stormwater Management</u>											
39819	Stormwater Maintenance Equipment	M15	CO/UNF	2,162	300	500	500	500	500	0	4,462
Total				<u>\$13,934</u>	<u>\$5,067</u>	<u>\$3,790</u>	<u>\$4,220</u>	<u>\$3,987</u>	<u>\$4,578</u>	<u>\$0</u>	<u>\$35,576</u>
Total Existing CO's, Interest, and Other Sources				\$13,902	\$1,268	\$70	\$17	\$50	\$0	\$0	\$15,307
2019 Certificate of Obligation				32	3,799	0	0	0	0	0	3,831
Unfunded				0	0	3,720	4,203	3,937	4,578	0	16,438
Total				<u>\$13,934</u>	<u>\$5,067</u>	<u>\$3,790</u>	<u>\$4,220</u>	<u>\$3,987</u>	<u>\$4,578</u>	<u>\$0</u>	<u>\$35,576</u>

*Project funded for the first time

**MISCELLANEOUS REVENUE SUPPORTED AND
INTERNAL SERVICE DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS**

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Project Status</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
<u>EWS Group - Delivery</u>										
21068	Replacement of Side-Load Residential Trucks	M01	Appr.	\$1,853	\$1,037	\$1,814	\$1,524	\$1,200	\$0	\$7,428
21069	Replacement of Recycling Truck	M02	Appr.	284	1,037	363	381	800	0	2,865
21071	Replacement of Rear-Load Brush Trucks	M03	Appr.	0	0	0	659	691	0	1,350
21073	Replcmt. of Brush Tractor Trucks & Trailers	M04	Appr.	0	0	0	172	116	0	288
21075	Replcmt. of Commercial Front-Load Truck	M05	Appr.	337	0	718	0	792	0	1,847
21078	Replacement of Knuckle Boom Truck	M06	Appr.	120	413	217	456	479	0	1,685
21081	Replcmt. of Commercial Roll-Off Truck	M07	Appr.	0	0	216	245	0	0	461
21086	Replacement of Bobcat Skid Loader	M08	Appr.	0	0	62	0	0	0	62
21090	* EWS Land Acquisition	M10	Appr.	300	0	0	0	0	0	300
<u>Management Information Services</u>										
23019	Network and Cabling Upgrades	M12	Appr.	320	320	0	0	0	0	640
23048	Telephone System Replacement	M13	Appr.	413	413	313	0	0	0	1,139
23061	* Wastewater/Northern Route Fiber Replacemt.	M14	Appr.	150	0	0	0	0	0	150
<u>Stormwater Management</u>										
39819	Stormwater Maintenance Equipment	M15	Appr.	54	500	500	500	500	0	2,054
Total				<u>\$3,831</u>	<u>\$3,720</u>	<u>\$4,203</u>	<u>\$3,937</u>	<u>\$4,578</u>	<u>\$0</u>	<u>\$20,269</u>
Total Approved				\$3,831	\$3,720	\$4,203	\$3,937	\$4,578	\$0	\$20,269
Total Unapproved				0	0	0	0	0	0	0
Total				<u>\$3,831</u>	<u>\$3,720</u>	<u>\$4,203</u>	<u>\$3,937</u>	<u>\$4,578</u>	<u>\$0</u>	<u>\$20,269</u>

*Projects funded for the first time

PAGE NO: M04		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All				
DEPARTMENT EWS GROUP - DELIVERY				PROJECT TITLE REPLCMT. OF BRUSH TRACTOR TRUCKS/TRAILERS				PROJECT NO(S) 21073		ACCOUNT NO(S) 246-4319-2107300		
PROJECT DESCRIPTION				IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION				
<p>Funding is requested for the replacement of two 2004 model Brush Trailers (#430-277 and #430-278). This equipment has exceeded its useful life and is incurring excessive maintenance costs.</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>				<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				New equipment will lower maintenance costs.				
				FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,259,638 TOTAL FUNDED \$ 1,259,638 UNFUNDED \$ 288,000 PROJECT TOTAL \$ 1,547,638								
				STRIP MAP								
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.		1,006	134	70		222	116		1,548			
Other												
TOTAL COSTS		1,006	134	70		222	116		1,548			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		1,260							1,260			
Other												
Unfunded						172	116		288			
TOTAL SOURCES		1,260				172	116		1,548			
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: M09		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All				
DEPARTMENT EWS GROUP - DELIVERY				PROJECT TITLE RESTORATION OF PAINT BOOTH					PROJECT NO(S). 21087		ACCOUNT NO(S). 246-4319-2108700		
PROJECT DESCRIPTION													
<p>Funding is requested for the restoration of a paint booth used in the refurbishing of commercial front-load containers. The current paint booth is a safety hazard that has gaps in the floor, exhaust plumes have rusted, and filters are not working. Replacement of the paint booth is recommended due to the safety hazards and extensive maintenance repair needs.</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 Restoration will lower outside costs and other maintenance.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 130,000 TOTAL FUNDED \$ 130,000 UNFUNDED \$ PROJECT TOTAL \$ 130,000	
STRIP MAP													
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total					
Design													
Land/Right-of-Way													
Construction													
Landscaping													
Equip. & Furnish.		130						130					
Other													
TOTAL COSTS		130						130					
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 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									Finish Out				
Certificates of Obligation	130							130	Other				
Other													
Unfunded													
TOTAL SOURCES	130							130	TOTAL SCHEDULE	3/2018	1/2019		

PAGE NO: M10		New Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) N/A		
DEPARTMENT EWS GROUP - DELIVERY				PROJECT TITLE EWS LAND ACQUISITION				PROJECT NO(S) 21090		ACCOUNT NO(S) 246-4319-2109019		
PROJECT DESCRIPTION The acquisition of property adjacent to the current EWS Recycling Center is to further overall long-term facility plans. The EWS Recycling Center was not designed for the intermediate processing of increased tonnage related to the City's Single Stream Recycling Program and Commercial Recycling Program. An overall expansion and modification of EWS facilities will be needed in the future. This property will further the long-term plan for a new Recycling Center, a new Administration Building, and the renovation of the current Administration Building for field operations needs. A reimbursement resolution of \$300,000 of 2019 Certificates of Obligation was approved by City Council through the 2018 Capital Improvement Program Budget Amendment No. 3.										FUNDING SOURCE(S) 2019 Certificates of Oblig. \$ 300,000 TOTAL FUNDED \$ 300,000 UNFUNDED \$ PROJECT TOTAL \$ 300,000		
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 land acquisition will further long-term operational needs.								
*PROJECT COSTS										STRIP MAP		
	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design												
Land/Right-of-Way	32	268						300				
Construction												
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	32	268						300				
*SOURCE OF FUNDS												
	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		300						300				
Other												
Unfunded												
TOTAL SOURCES		300						300				
										START		
										FINISH		
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE		
										10/2018		
										1/2019		

PAGE NO: M14		New Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) All		
DEPARTMENT MGMT INFO SERVICES				PROJECT TITLE WASTEWATER/NORTHERN ROUTE FIBER RPLCMT.				PROJECT NO(S) 23061		ACCOUNT NO(S) 416-4559-2306119		
PROJECT DESCRIPTION There have been several repairs to the northern route and wastewater fiber paths, which have degraded the viability and stability of the fiber. The fiber needs to be replaced in order to reduce the risk of additional breaks, which will result in system outages to facilities along these paths. Wastewater repairs are for both Rowlett and Duck Creek. Facilities impacted on the Northern Route include: both Golf Courses, Fire Station No. 10, Lookout Radio Tower, RagingWire Data Center, North Garland Branch Library, Water - Apollo, Parks Administration, Greenhouse, Central Library, Customer Service Payment Center, Firewheel Pump Station, and various Traffic Controls.										FUNDING SOURCE(S) 2019 Certificates of Oblig. \$ 150,000 TOTAL FUNDED \$ 150,000 UNFUNDED \$ PROJECT TOTAL \$ 150,000		
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										STRIP MAP		
	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.		150							150			
Other												
TOTAL COSTS		150							150			
*SOURCE OF FUNDS										PROJECT SCHEDULE		
	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		150							150			
Other												
Unfunded												
TOTAL SOURCES		150							150	TOTAL SCHEDULE	2/2019	12/2019

LANDFILL/TRANSFER STATION DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
17154	Replacement of Landfill Equipment	EW01	CF/CO/Other/UNF	\$3,430	\$2,598	\$2,497	\$2,248	\$2,977	\$1,589	\$0	\$15,339
17155	Replacement of Transfer Station Equipment	EW02	CO/UNF	677	485	0	0	171	1,276	0	2,609
17162	Transfer Station Rebuild	EW03	CF	35	712	0	0	0	0	0	747
17161	Hinton Landfill GCCS Expansion	EW04	CO	800	250	0	0	0	0	0	1,050
17158	Wheel Wash Installation	EW05	CO	15	210	0	0	0	0	0	225
17108	Addition of Automated Scales	EW06	CO	0	150	0	0	0	0	0	150
17166	* Construction of Waste Cell #8	EW07	CF	0	3,114	0	0	0	0	0	3,114
Total				<u>\$4,957</u>	<u>\$7,519</u>	<u>\$2,497</u>	<u>\$2,248</u>	<u>\$3,148</u>	<u>\$2,865</u>	<u>\$0</u>	<u>\$23,234</u>
Total Existing CO's, Interest, and Other Sources				\$4,957	\$7,253	\$0	\$0	\$0	\$0	\$0	\$12,210
2019 Certificates of Obligation				0	266	0	0	0	0	0	266
Unfunded				0	0	2,497	2,248	3,148	2,865	0	10,758
Total				<u>\$4,957</u>	<u>\$7,519</u>	<u>\$2,497</u>	<u>\$2,248</u>	<u>\$3,148</u>	<u>\$2,865</u>	<u>\$0</u>	<u>\$23,234</u>

* Project funded for the first time

LANDFILL/TRANSFER STATION DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
UNAPPROVED PROJECTS

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Thru 12/31/18</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
17167	* Castle Drive Final Cover Improvements	EW08	\$0	\$0	\$1,502	\$0	\$0	\$0	\$0	\$1,502
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$1,502</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1,502</u>

*Project requested for first time

LANDFILL/TRANSFER STATION DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2019	2020	2021	2022	2023	2024 to Completion	Project Total
17154	Replacement of Landfill Equipment	EW01	Appr.	\$0	\$2,497	\$2,248	\$2,977	\$1,589	\$0	\$9,311
17155	Replacement of Transfer Station Equipment	EW02	Appr.	266	0	0	171	1,276	0	1,713
17167	* Castle Drive Final Cover Improvements	EW08	Unappr.	0	1,502	0	0	0	0	1,502
	Total			<u>\$266</u>	<u>\$3,999</u>	<u>\$2,248</u>	<u>\$3,148</u>	<u>\$2,865</u>	<u>\$0</u>	<u>\$12,526</u>
	Total Approved			\$266	\$2,497	\$2,248	\$3,148	\$2,865	\$0	\$11,024
	Total Unapproved			<u>0</u>	<u>1,502</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,502</u>
	Total			<u>\$266</u>	<u>\$3,999</u>	<u>\$2,248</u>	<u>\$3,148</u>	<u>\$2,865</u>	<u>\$0</u>	<u>\$12,526</u>

*Project funded for the first time

PAGE NO: EW02	<i>Continuing Project</i>	CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST						*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												
<p>Funding is requested to replace a 963 Dozer (160-1441) at the Transfer Station. This piece of equipment has exceeded its useful life and is incurring increased maintenance costs.</p> <p>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.</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 equipment will lower maintenance costs.								
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.		677	485			171	1,276		2,609			
Other												
TOTAL COSTS		677	485			171	1,276		2,609			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds		1							1			
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		895	266						1,161			
Other												
Unfunded						171	1,276		1,447			
TOTAL SOURCES		896	266			171	1,276		2,609			
STRIP MAP										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
TOTAL SCHEDULE										(Ongoing		Project)

PAGE NO: EW04		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All				
DEPARTMENT EWS GROUP - DISPOSAL				PROJECT TITLE HINTON LANDFILL GCCS EXPANSION				PROJECT NO(S). 17161	ACCOUNT NO(S). 692-1609-1716100			
PROJECT DESCRIPTION				IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION				
<p>In 2017, 37 additional landfill gas wells were installed at the Hinton Landfill to ensure continued regulatory compliance with Texas Commission on Environmental Quality. The additional gas extraction wells have caused a drastic reduction in complaints from residents in adjacent properties by minimizing the emission of odor-causing landfill gas from the site. 2019 project costs include the installation of five gas extraction wells in the newly-constructed Waste Cell #7 area for the same purposes as aforementioned.</p>				<input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				Additional wells will minimize emissions of odor-causing methane gas.				
				FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,050,000 TOTAL FUNDED \$ 1,050,000 UNFUNDED \$ PROJECT TOTAL \$ 1,050,000								
				STRIP MAP								
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.												
Other (Aerial Expansion)		800	250						1,050			
TOTAL COSTS		800	250						1,050			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 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										Finish Out		
Certificates of Obligation		1,050							1,050	Other	3/2017	2/2019
Other												
Unfunded												
TOTAL SOURCES		1,050							1,050	TOTAL SCHEDULE	3/2017	2/2019

PAGE NO: EW05	<i>Continuing Project</i>	CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All	
DEPARTMENT EWS GROUP - DISPOSAL		PROJECT TITLE WHEEL WASH INSTALLATION						PROJECT NO(S) 17158	ACCOUNT NO(S) 692-1609-1715800	
PROJECT DESCRIPTION The original Hinton Landfill Wheel Wash System design was modified and increased in size due to increased customer base. The current funding for this project is \$165,000. Additional funding of \$60,000 is requested to cover the costs of increased length, additional concrete, and steel reinforcement for the new Wheel Wash System design. The new design will have less mechanical parts, will have increased sump areas, and will be longer in length with three separate areas (wash bay, dry rumble bay, and rinse bay) for vehicles to travel through while exiting the facility. The proposed Wheel Wash System meets TCEQ requirements and will be a daily preventive measure to minimize mud/debris from being tracked onto public streets.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 225,000 TOTAL FUNDED \$ 225,000 UNFUNDED \$ PROJECT TOTAL \$ 225,000		
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 Ensure continued compliance with TCEQ requirements.					STRIP MAP	
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion		
Design										
Land/Right-of-Way										
Construction										
Landscaping										
Equip. & Furnish.		15	210						225	
Other										
TOTAL COSTS		15	210						225	
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation		225							225	
Other										
Unfunded										
TOTAL SOURCES		225							225	
							PROJECT SCHEDULE	START	FINISH	
							Design			
							Land/Right-of-Way			
							Construction			
							Finish Out			
							Other			
TOTAL SCHEDULE								11/2017	12/2019	

PAGE NO: EW06	<i>Continuing Project</i>	CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All	
DEPARTMENT EWS GROUP - DISPOSAL		PROJECT TITLE ADDITION OF AUTOMATED SCALES						PROJECT NO(S). 17108	ACCOUNT NO(S). 691-1609-1710818	
PROJECT DESCRIPTION Currently, there are two inbound scales and one outbound scale at the Hinton Landfill. At this time, our private waste-hauling customers have expressed their concern regarding the excessive wait and processing cycle time to enter the facility prior to arriving at the disposal off-loading working area. In order to continually attract and retain customers, an additional in-bound truck scale containing an automated weighing feature is necessary to address this problem. Funding is requested for the installation of an inbound automated weight scale system. A key-card system kiosk containing stored customer information will be used by private waste haulers and City vehicles. The automated scale will divert this specific customer class to a designated scale away from smaller waste-hauling vehicle traffic, resulting in improved cycle time and customer satisfaction.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 150,000 TOTAL FUNDED \$ 150,000 UNFUNDED \$ PROJECT TOTAL \$ 150,000		
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 Improved operating effectiveness and customer cycle time.						STRIP MAP	
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion		
Design										
Land/Right-of-Way										
Construction										
Landscaping										
Equip. & Furnish.			150						150	
Other										
TOTAL COSTS			150						150	
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation		150							150	
Other										
Unfunded										
TOTAL SOURCES		150							150	
							PROJECT SCHEDULE	START	FINISH	
							Design			
							Land/Right-of-Way			
							Construction			
							Finish Out			
							Other			
TOTAL SCHEDULE								3/2018	1/2019	

Unapproved Submitted Projects

PAGE NO: EW08	<i>Unfunded Project</i>	CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All	
DEPARTMENT EWS GROUP - DISPOSAL		PROJECT TITLE CASTLE DRIVE FINAL COVER IMPROVEMENTS						PROJECT NO(S) 17167	ACCOUNT NO(S) 861-1609-1716700	
PROJECT DESCRIPTION The purpose of this project is to address depression areas on the final cover top deck area at Castle Drive Landfill. The Castle Drive Landfill final cover was installed in three phases between 2005 and 2010. The approved final cover was initially installed (Phases 1 and 2) in 2005 and 2006 (final cover report was prepared in August 2006) with two percent top deck slopes as required by the Texas Commission on Environmental Quality (TCEQ) approved final closure design. Over time, the top deck area unevenly settled causing depression areas. The depression areas impaired the stormwater drainage which resulted in accumulation of surface water over the top deck areas. TCEQ regulations for landfill post-closure care (§330.463) require maintenance of landfills during the post-closure care period.										
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 Ensure continued compliance with TCEQ requirements.						FUNDING SOURCE(S) \$ TOTAL FUNDED \$ UNFUNDED \$ 1,501,800 PROJECT TOTAL \$ 1,501,800	
STRIP MAP										
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Design			28					28		
Land/Right-of-Way										
Construction			1,474					1,474		
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS			1,502					1,502		
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation										
Other										
Unfunded			1,502					1,502		
TOTAL SOURCES			1,502					1,502		
							PROJECT SCHEDULE	START	FINISH	
							Design			
							Land/Right-of-Way			
							Construction			
							Finish Out			
							Other			
							TOTAL SCHEDULE	3/2020	12/2020	

WATER DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
30190	Transmission Mains (16-Inch and Above)	W01	RB/UNF	\$4,308	\$4,443	\$2,500	\$2,500	\$2,500	\$2,500	\$0	\$18,751
30191	Distribution Lines (Up to 14-Inch)	W02	RB/UNF	5,500	4,557	3,000	3,000	3,000	3,000	0	22,057
30192	Relocation of Mains Prior to Paving	W03	RB/UNF	5,417	4,405	4,500	4,500	4,500	4,500	0	27,822
30195	Relocation of Mains Prior to Storm Sewer Install.	W04	RB/UNF	8	257	125	125	125	125	0	765
30197	Water Pump Station Rehab	W05	RB/UNF	607	490	440	140	0	0	0	1,677
30205	Fire Hydrant Installation	W06	CF/RB/CO/INT/UNF	0	758	300	300	300	300	0	1,958
30206	Water Service Installation	W07	RB/UNF	690	302	300	300	300	300	0	2,192
30207	Upgrade Undersized Water Mains	W08	RB/UNF	699	2,157	750	750	750	750	0	5,856
30208	Water Distribution Line Replacement	W09	RB/UNF	672	900	750	750	750	750	0	4,572
30213	Radio Read Water Meter Retrofit	W10	RB/UNF	1,029	1,106	1,000	1,000	1,000	1,000	0	6,135
30216	Country Club/Bobtown Road Water Trans. Mains	W11	RB/UNF	3,202	2,297	0	0	0	0	0	5,499
30235	Roan Road Water Transmission Main	W12	RB/UNF	100	1,600	0	0	0	0	0	1,700
30236	Water Quality Assurance	W13	RB/UNF	283	157	330	140	0	0	0	910
30237	Water Pump Station Emergency Generators	W14	RB/UNF	225	1,815	2,600	300	0	0	0	4,940
30238	Field Operations Center	W15	RB/UNF	0	250	1,555	3,585	0	0	0	5,390
30239	Sand Pit Cover	W16	RB	5	120	0	0	0	0	0	125
Total				<u>\$22,745</u>	<u>\$25,614</u>	<u>\$18,150</u>	<u>\$17,390</u>	<u>\$13,225</u>	<u>\$13,225</u>	<u>\$0</u>	<u>\$110,349</u>
Total Existing CO's/RB's/Interest/Current Funds				\$22,745	\$11,579	\$195	\$0	\$0	\$0	\$0	\$34,519
Total 2019 Revenue Bonds/Commerical Paper Unfunded				0	14,035	0	0	0	0	0	14,035
				<u>0</u>	<u>0</u>	<u>17,955</u>	<u>17,390</u>	<u>13,225</u>	<u>13,225</u>	<u>0</u>	<u>61,795</u>
Total				<u>\$22,745</u>	<u>\$25,614</u>	<u>\$18,150</u>	<u>\$17,390</u>	<u>\$13,225</u>	<u>\$13,225</u>	<u>\$0</u>	<u>\$110,349</u>

*Project funded for the first time

WATER DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
UNAPPROVED PROJECTS

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Thru 12/31/18</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Project Total</u>
30232	East Zone Water Tower	W17	\$0	\$0	\$300	\$2,600	\$3,500	\$1,750	\$0	\$8,150
30241	Water Tower Corrosion Abatement	W18	0	0	1,120	1,590	765	1,300	0	4,775
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$1,420</u>	<u>\$4,190</u>	<u>\$4,265</u>	<u>\$3,050</u>	<u>\$0</u>	<u>\$12,925</u>

WATER DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2019	2020	2021	2022	2023	2024 to Completion	Project Total
30190	Transmission Mains (16-Inch and Above)	W01	Appr.	\$2,755	\$2,500	\$2,500	\$2,500	\$2,500	\$0	\$12,755
30191	Distribution Lines (Up to 14-Inch)	W02	Appr.	1,515	3,000	3,000	3,000	3,000	0	13,515
30192	Relocation of Mains Prior to Paving	W03	Appr.	4,405	4,500	4,500	4,500	4,500	0	22,405
30195	Relocation of Mains Prior to Storm Sewer Install.	W04	Appr.	0	115	125	125	125	0	490
30197	Water Pump Station Rehab	W05	Appr.	0	440	140	0	0	0	580
30205	Fire Hydrant Installation	W06	Appr.	0	300	300	300	300	0	1,200
30206	Water Service Installation	W07	Appr.	130	300	300	300	300	0	1,330
30207	Upgrade Undersized Water Mains	W08	Appr.	1,630	750	750	750	750	0	4,630
30208	Water Distribution Line Replacement	W09	Appr.	750	750	750	750	750	0	3,750
30213	Radio Read Water Meter Retrofit	W10	Appr.	1,000	1,000	1,000	1,000	1,000	0	5,000
30216	Country Club/Bobtown Road Water Trans. Mains	W11	Appr.	550	0	0	0	0	0	550
30235	Roan Road Water Transmission Main	W12	Appr.	1,300	0	0	0	0	0	1,300
30236	Water Quality Assurance	W13	Appr.	0	330	140	0	0	0	470
30237	Water Pump Station Emergency Generators	W14	Appr.	0	2,415	300	0	0	0	2,715
30238	Field Operations Center	W15	Appr.	0	1,555	3,585	0	0	0	5,140
30232	East Zone Water Tower	W17	Unappr.	0	300	2,600	3,500	1,750	0	8,150
30241	Water Tower Corrosion Abatement	W18	Unappr.	0	1,120	1,590	765	1,300	0	4,775
Total				<u>\$14,035</u>	<u>\$19,375</u>	<u>\$21,580</u>	<u>\$17,490</u>	<u>\$16,275</u>	<u>\$0</u>	<u>\$88,755</u>
Total Approved				\$14,035	\$17,955	\$17,390	\$13,225	\$13,225	\$0	\$75,830
Total Unapproved				0	1,420	4,190	4,265	3,050	0	12,925
				<u>\$14,035</u>	<u>\$19,375</u>	<u>\$21,580</u>	<u>\$17,490</u>	<u>\$16,275</u>	<u>\$0</u>	<u>\$88,755</u>

*Project funded for the first time

PAGE NO: W01	<i>Continuing Project</i>	CITY OF GARLAND - 2019 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											
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 2019 CIP include Miller Road from Hilltop Drive to Saturn Road, Broadway Boulevard from Merrimac Trail to Wynn Joyce Road, and Kingsley Road from National to Jupiter.											
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.							
FUNDING SOURCE(S)											
Commercial Paper \$ 8,751,640											
TOTAL FUNDED \$ 8,751,640											
UNFUNDED \$ 10,000,000											
PROJECT TOTAL \$ 18,751,640											
STRIP MAP											
Various locations.											
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design	860	394	375	375	375	375		2,754			
Land/Right-of-Way											
Construction	3,448	4,049	2,125	2,125	2,125	2,125		15,997			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	4,308	4,443	2,500	2,500	2,500	2,500		18,751			
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper	5,996	2,755						8,751			
Certificates of Obligation											
Other											
Unfunded			2,500	2,500	2,500	2,500		10,000			
TOTAL SOURCES	5,996	2,755	2,500	2,500	2,500	2,500		18,751			
								PROJECT SCHEDULE	START	FINISH	
								Design			
								Land/Right-of-Way			
								Construction			
								Finish Out			
								Other			
TOTAL SCHEDULE								(Ongoing	Project)		

PAGE NO: W02		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST					*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										FUNDING SOURCE(S)								
<p>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 2019 CIP include Syracuse Drive from Vanderbilt to the end, Intrepid Drive from Spindrift to Windward, Ballinger Drive from Kingsley to the end, Bonita Drive from Kingsley to Axe, Castleglen Drive from I.H. 30 to Winette, Davidson Drive from Parker to S.H. 66, Quincy Drive from Parker to Davidson, South Kirby Street from Edgewood to Forest Lane, and Benton Street from Kirby to end.</p>										Commercial Paper		\$ 9,138,269	Revenue Bonds Issued		918,242			
										TOTAL FUNDED		\$ 10,056,511						
										UNFUNDED		\$ 12,000,000						
										PROJECT TOTAL		\$ 22,056,511						
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 _____			Impact on the Operating Budget should be favorable due to decreased maintenance costs associated with new lines.							Various locations.								
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total										
Design	2,800	295	400	400	400	400		4,695										
Land/Right-of-Way																		
Construction	2,700	4,262	2,600	2,600	2,600	2,600		17,362										
Landscaping																		
Equip. & Furnish.																		
Other																		
TOTAL COSTS	5,500	4,557	3,000	3,000	3,000	3,000		22,057										
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 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	8,542	1,515						10,057	Finish Out									
Certificates of Obligation									Other									
Other																		
Unfunded			3,000	3,000	3,000	3,000		12,000										
TOTAL SOURCES	8,542	1,515	3,000	3,000	3,000	3,000		22,057	TOTAL SCHEDULE	(Ongoing	Project)							

PAGE NO: W03		<i>Continuing Project</i>		CITY OF GARLAND - 2019 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 relocations of water mains prior to paving are necessary to maintain adequate water service, avoid utility conflicts, and upgrade the water distribution system, and include the costs of labor, materials, outside contractors, and engineered drawings. The proposed water lines to be relocated in 2019 in conjunction with Street Department and Engineering Department projects are Field Knoll Drive from Dove Meadow to end, State Street/Main Street Alley from Sixth Street to Seventh Street, Main Street/Avenue A Alley from Seventh to Fifth, Middleglen Drive from Avalon to Villa Ridge, Daugherty Drive from Delano to First, Carroll Drive from Saturn to Lamesa, Bosque Drive from Bringle to Rivercrest, Goliad Drive from Sam Houston to Old Mill Run, North Court from Richoak to end, Woodmere Drive from Rollingridge to Heather Glen, and Daytona Drive from Tampa to Bobtown.</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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design		3,000	437	500	500	500	500		5,437			
Land/Right-of-Way												
Construction		2,417	3,968	4,000	4,000	4,000	4,000		22,385			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		5,417	4,405	4,500	4,500	4,500	4,500		27,822			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		5,417	4,405						9,822			
Certificates of Obligation												
Other												
Unfunded				4,500	4,500	4,500	4,500		18,000			
TOTAL SOURCES		5,417	4,405	4,500	4,500	4,500	4,500		27,822			
STRIP MAP										PROJECT SCHEDULE	START	FINISH
Various locations.										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
TOTAL SCHEDULE										(Ongoing		Project)

PAGE NO: W04		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All																																																													
DEPARTMENT WATER		PROJECT TITLE RELOC. OF MAINS PRIOR TO STORM SEWER INST.					PROJECT NO(S). 30195		ACCOUNT NO(S). 220-4049-3019500																																																														
PROJECT DESCRIPTION																																																																							
Relocations of water mains and services are required when they conflict with the installation of storm sewer pipes to control flooding. Water line lowerings anticipated for 2019 are in the Meadowcreek Park neighborhood.																																																																							
<table border="0" style="width:100%"> <tr> <td style="width:30%">IMPACT ON OPERATING BUDGET</td> <td style="width:30%">IMPACT EXPLANATION</td> <td colspan="5"></td> </tr> <tr> <td> <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____ </td> <td>A favorable impact to the Operating Budget is expected due to new or replacement lines requiring less maintenance.</td> <td colspan="5"></td> </tr> </table>												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 favorable impact to the Operating Budget is expected due to new or replacement lines requiring less maintenance.																																																			
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 favorable impact to the Operating Budget is expected due to new or replacement lines requiring less maintenance.																																																																						
<table border="0" style="width:100%"> <tr> <td colspan="12" style="text-align:right">FUNDING SOURCE(S)</td> </tr> <tr> <td colspan="10">Commercial Paper</td> <td style="text-align:right">\$</td> <td style="text-align:right">275,000</td> </tr> <tr> <td colspan="10">TOTAL FUNDED</td> <td style="text-align:right">\$</td> <td style="text-align:right">275,000</td> </tr> <tr> <td colspan="10">UNFUNDED</td> <td style="text-align:right">\$</td> <td style="text-align:right">490,000</td> </tr> <tr> <td colspan="10">PROJECT TOTAL</td> <td style="text-align:right">\$</td> <td style="text-align:right">765,000</td> </tr> </table>												FUNDING SOURCE(S)												Commercial Paper										\$	275,000	TOTAL FUNDED										\$	275,000	UNFUNDED										\$	490,000	PROJECT TOTAL										\$	765,000
FUNDING SOURCE(S)																																																																							
Commercial Paper										\$	275,000																																																												
TOTAL FUNDED										\$	275,000																																																												
UNFUNDED										\$	490,000																																																												
PROJECT TOTAL										\$	765,000																																																												
STRIP MAP																																																																							
Various locations.																																																																							
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total																																																															
Design		10						10																																																															
Land/Right-of-Way																																																																							
Construction	8	247	125	125	125	125		755																																																															
Landscaping																																																																							
Equip. & Furnish.																																																																							
Other																																																																							
TOTAL COSTS	8	257	125	125	125	125		765																																																															
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 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	275							275	Finish Out																																																														
Certificates of Obligation									Other																																																														
Other																																																																							
Unfunded			115	125	125	125		490																																																															
TOTAL SOURCES	275		115	125	125	125		765	TOTAL SCHEDULE	(Ongoing	Project)																																																												

PAGE NO: W08		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) All			
DEPARTMENT WATER		PROJECT TITLE UPGRADE UNDERSIZED WATER MAINS						PROJECT NO(S). 30207		ACCOUNT NO(S). 227-4049-3020700 220-4049-3020700		
PROJECT DESCRIPTION												
<p>This project provides for the replacement of undersized water lines, 2-inch diameter or smaller, with new 8-inch PVC mains. Projects for the 2019 CIP are Nash Drive from Hillcrest to North Garland, First Street/Haskell Drive Alley from Main to Avenue C, First Street/Barger Street Alley from Avenue B to Avenue D, Brookside Drive from Nash to Meadowbrook, North Glenbrook Drive from State to Austin, North Ninth Street from State to Austin, Garland Road at Avenue D, and South First Street/Freemont Drive Alley from Miller to Southwood.</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 _____				Replacing old lines will have a positive impact on the Operating Budget by reducing maintenance costs and water loss.								
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design		281	151	110	110	110	110		872			
Land/Right-of-Way												
Construction		418	2,006	640	640	640	640		4,984			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		699	2,157	750	750	750	750		5,856			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		1,226	1,630						2,856			
Certificates of Obligation												
Other												
Unfunded				750	750	750	750		3,000			
TOTAL SOURCES		1,226	1,630	750	750	750	750		5,856			
									PROJECT SCHEDULE	START	FINISH	
									Design			
									Land/Right-of-Way			
									Construction			
									Finish Out			
									Other			
TOTAL SCHEDULE									(Ongoing		Project)	

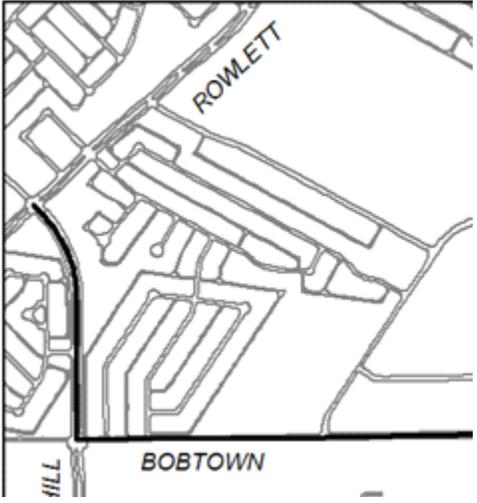
STRIP MAP

Various locations.

FUNDING SOURCE(S)	
Revenue Bonds Issued	\$ 226,184
Commercial Paper	2,629,935
TOTAL FUNDED	\$ 2,856,119
UNFUNDED	\$ 3,000,000
PROJECT TOTAL	\$ 5,856,119

PAGE NO: W09		<i>Continuing Project</i>		CITY OF GARLAND - 2019 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 2019 CIP are McDivitt Drive from Gemini to Mars, Robin Lane from Miller to Patton, Cuero Drive from Henderson to Marguerita, Douglas Drive from Saturn to Greensboro, and Barcelona Drive from Perdido to Caravaca.</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 _____				Replacing water lines will have a positive impact on the Operating Budget by reducing maintenance costs and water loss.									
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design													
Land/Right-of-Way													
Construction		672	900	750	750	750	750		4,572				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		672	900	750	750	750	750		4,572				
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper		822	750						1,572				
Certificates of Obligation													
Other													
Unfunded				750	750	750	750		3,000				
TOTAL SOURCES		822	750	750	750	750	750		4,572				
										STRIP MAP			
Various locations.													
								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 - 2019 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															
<p>This project provides for the phased replacement and upgrades to existing radio read water meters. There are over 69,000 active water meters being read on a monthly basis by the Customer Service Department. The meters with radio read end-point devices were installed starting in 2005 with a multi-year project ending in 2011. In 2019, the Water Department plans to change out approximately 14,000 meters using an outside contractor to upgrade the remaining end-point devices that are no longer functioning to the current standard.</p>												FUNDING SOURCE(S) Revenue Bonds Issued \$ 61,110 Commercial Paper 2,074,033 TOTAL FUNDED <u>\$ 2,135,143</u> UNFUNDED <u>\$ 4,000,000</u> PROJECT TOTAL <u><u>\$ 6,135,143</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 _____				There may be a minor impact on the Operating Budget due to increased maintenance for radio read water meters.											
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	STRIP MAP Various locations.					
Design															
Land/Right-of-Way															
Construction		1,029	1,106	1,000	1,000	1,000	1,000		6,135						
Landscaping															
Equip. & Furnish.															
Other															
TOTAL COSTS		1,029	1,106	1,000	1,000	1,000	1,000		6,135						
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total						
Current Funds															
GO's/Com Paper Issued										PROJECT SCHEDULE					
GO's Unissued										START					
RB's/Com Paper		1,135	1,000						2,135	FINISH					
Certificates of Obligation										Design					
Other										Land/Right-of-Way					
Unfunded				1,000	1,000	1,000	1,000		4,000	Construction					
TOTAL SOURCES		1,135	1,000	1,000	1,000	1,000	1,000		6,135	Finish Out					
										Other					
										TOTAL SCHEDULE (Ongoing Project)					

PAGE NO: W11		Continuing Project					*Amounts in 000's \$		COUNCIL DISTRICT(S) 3		
DEPARTMENT WATER			PROJECT TITLE COUNTRY CLUB/BOBTOWN WATER TRANS. MAINS					PROJECT NO(S). 30216		ACCOUNT NO(S). 227-4049-3021600 220-4049-3021600	
PROJECT DESCRIPTION This project funds a new 24-inch main as recommended by the hydraulic water model to increase water flows to the I.H. 30 corridor. The water main will extend from Rowlett Road along Country Club to Bobtown and along Bobtown to Roan Road along with the Bobtown Road street replacement project. Previously, a 24-inch main was installed along the new Country Club Road from Wynn Joyce to Country Club.											
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 should have a positive impact on the Operating Budget due to the new or replacement lines requiring less maintenance.							FUNDING SOURCE(S) Revenue Bonds Issued \$ 200,130 Commercial Paper 5,299,305 TOTAL FUNDED \$ 5,499,435 UNFUNDED \$ 0 PROJECT TOTAL \$ 5,499,435	
STRIP MAP											
											
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Design			200						200		
Land/Right-of-Way											
Construction		3,202	2,097						5,299		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		3,202	2,297						5,499		
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper		4,949	550						5,499		
Certificates of Obligation											
Other											
Unfunded											
TOTAL SOURCES		4,949	550						5,499		
		PROJECT SCHEDULE		START		FINISH					
		Design		1/2014		12/2019					
		Land/Right-of-Way									
		Construction		7/2016		12/2019					
		Finish Out									
		Other									
		TOTAL SCHEDULE		1/2014		12/2019					

PAGE NO: W13		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All		
DEPARTMENT WATER		PROJECT TITLE WATER QUALITY ASSURANCE				PROJECT NO(S). 30236		ACCOUNT NO(S). 220-4049-3023600		
PROJECT DESCRIPTION		FUNDING SOURCE(S)				Commercial Paper		\$ 440,000		
This project provides Capital Improvement funds for needed water system infrastructure enhancements to meet water quality assurance requirements and includes Broadway Pump Station chloramine boosting system automation, Broadway Pump Station Storage Tank Mixers, and Automated System Flushing Units. Additional chloramine boosting location is anticipated for 2020.		TOTAL FUNDED				\$ 440,000				
UNFUNDED		\$ 470,000		PROJECT TOTAL		\$ 910,000				
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 _____		A favorable impact to the Operating Budget is anticipated due to reduced labor costs incurred with flushing fire hydrants in association with increased water quality and better water conservation through less flushing.				Various locations.				
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Design	85	60	130	40				315		
Land/Right-of-Way										
Construction	198	97	200	100				595		
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS	283	157	330	140				910		
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper	440							440		
Certificates of Obligation										
Other										
Unfunded			330	140				470		
TOTAL SOURCES	440		330	140				910		
								PROJECT SCHEDULE	START	FINISH
								Design		
								Land/Right-of-Way		
								Construction		
								Finish Out		
								Other		
								TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: W14		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) All	
DEPARTMENT WATER			PROJECT TITLE WATER PUMP STATION EMERG. GENERATORS					PROJECT NO(S). 30237	ACCOUNT NO(S). 220-4049-3023700	
PROJECT DESCRIPTION This request provides for the replacement of the 25-year-old Wallace Pump Station generator and emergency power switchgear, along with evaluation of the Broadway, Firewheel, Apollo, and Northside emergency power generating systems. This project will increase operational efficiency and enhance service reliability of emergency water system back-up power. Also includes participation in GP&L Emergency Response Services and 4CP Program.							FUNDING SOURCE(S) Commercial Paper \$ 2,225,000			
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 A favorable impact to the Operating Budget is anticipated due to fewer man-hours required to address ongoing service reliability issues.					TOTAL FUNDED \$ 2,225,000 UNFUNDED \$ 2,715,000 PROJECT TOTAL \$ 4,940,000		
STRIP MAP										
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Design	225	315	100					640		
Land/Right-of-Way										
Construction		1,500	2,500	300				4,300		
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS	225	1,815	2,600	300				4,940		
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper	2,225							2,225		
Certificates of Obligation										
Other										
Unfunded			2,415	300				2,715		
TOTAL SOURCES	2,225		2,415	300				4,940		
							PROJECT SCHEDULE	START	FINISH	
							Design	1/2018	3/2020	
							Land/Right-of-Way			
							Construction	6/2019	12/2021	
							Finish Out			
							Other			
							TOTAL SCHEDULE	1/2018	12/2021	

PAGE NO: W16		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) 8																																																																												
DEPARTMENT WATER				PROJECT TITLE SAND PIT COVER					PROJECT NO(S) 30239		ACCOUNT NO(S) 220-4049-3023900																																																																										
PROJECT DESCRIPTION										FUNDING SOURCE(S)																																																																											
<p>This project seeks funding to construct a cover over the existing sand and base pits on the lot at 2343 Forest Lane. Heavy rains cause the sand and base to be unusable for several days, or sometimes weeks, delaying or preventing crews from completing assigned tasks.</p> <p>NOTE: The project is split 50/50 between Water and Wastewater Collection. See Wastewater Collection's new project, #32189 - Sand Pit Cover.</p>										Commercial Paper		\$	125,000																																																																								
<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 _____ Capital _____ Total _____</p>										IMPACT EXPLANATION		A favorable impact to efficiencies is expected due to sand and base remaining usable.																																																																									
<table border="1"> <thead> <tr> <th>*PROJECT COSTS</th> <th>Thru 12-2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023</th> <th>2024 to Completion</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Design</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5</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>120</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>120</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>5</td> <td>120</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>125</td> </tr> </tbody> </table>										*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	Design	5							5	Land/Right-of-Way									Construction		120						120	Landscaping									Equip. & Furnish.									Other									TOTAL COSTS	5	120						125	TOTAL FUNDED		\$	125,000
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total																																																																													
Design	5							5																																																																													
Land/Right-of-Way																																																																																					
Construction		120						120																																																																													
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TOTAL COSTS	5	120						125																																																																													
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										PROJECT SCHEDULE		START		FINISH																																																																							
GO's/Com Paper Issued										Design		11/2018		12/2018																																																																							
GO's Unissued										Land/Right-of-Way																																																																											
RB's/Com Paper										Construction		1/2019		3/2019																																																																							
Certificates of Obligation										Finish Out																																																																											
Other										Other																																																																											
Unfunded										TOTAL SCHEDULE		11/2018		3/2019																																																																							
TOTAL SOURCES																																																																																					

Unapproved Submitted Projects

WASTEWATER DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
<u>Wastewater Collection</u>											
32124	Infiltration Correction - Various	WW01	CF/RB/INT/UNF	\$2,824	\$1,480	\$1,500	\$1,500	\$1,500	\$1,500	\$0	\$10,304
32147	Sewer Collection Mains - Manholes	WW02	RB/INT/UNF	1,270	1,008	1,000	1,000	1,000	1,000	0	6,278
32148	Sanitary Sewer Taps - New or Relocations	WW03	RB/INT/UNF	276	80	80	80	80	80	0	676
32149	Collection Mains	WW04	RB/INT/UNF	4,207	1,865	2,025	2,025	2,025	2,025	0	14,172
32151	Sewer Lift Station Rehab	WW05	RB/INT/UNF	527	255	100	100	100	100	0	1,182
32154	Cured-in-Place Pipe Main & Lateral Rehab	WW06	RB/UNF	2,185	1,000	1,000	1,000	1,000	1,000	0	7,185
32157	Relocation of Mains Prior to Paving	WW07	RB/INT/UNF	7,543	5,795	2,700	2,700	2,700	2,700	0	24,138
32161	Rowl-I - Campbell to Shiloh	WW08	RB/CO/INT	1,000	700	271	0	0	0	0	1,971
32174	Lift Station Abandonment	WW09	INT/UNF	16	584	140	0	0	0	0	740
32181	Duck Creek Greenbelt Trail Extension	WW10	CF/RB	70	1,010	410	0	0	0	0	1,490
32183	Duck Creek Interceptor Rehab	WW11	RB/INT/UNF	377	220	220	420	1,240	1,040	0	3,517
32184	Rowlett Interceptor Rehab	WW12	RB/CO/INT/UNF	1,070	1,115	1,155	1,155	1,145	1,475	0	7,115
32186	Walnut-I	WW13	RB/UNF	250	175	200	1,150	2,500	0	0	4,275
32187	S.H. 190 Catalyst Area	WW14	RB/UNF	300	335	480	0	0	0	0	1,115
32188	Field Operations Center	WW15	RB/UNF	0	250	1,555	3,585	0	0	0	5,390
32189	Sand Pit Cover	WW16	RB	5	120	0	0	0	0	0	125
32190	* Rehab Sewer Collection Mains in Dirt Alleys	WW17	RB/UNF	0	1,950	1,500	1,500	1,500	1,500	0	7,950
<u>Wastewater Treatment</u>											
33028	Rowlett Creek WWTP Processes Improvements	WW18	RB/UNF	3,099	6,246	9,375	1,945	2,015	2,015	43,000	67,695
33029	Rowlett Creek WWTP Replacements/Mods.	WW19	CF/RB/UNF	1,726	2,818	765	2,240	2,400	700	700	11,349
34027	Duck Creek WWTP Replacements/Mods.	WW20	CF/RB/INT/UNF	1,329	2,803	2,800	1,350	1,700	1,200	1,200	12,382
34038	Duck Creek WWTP Processes Improvements	WW21	CF/RB/CO/UNF	2,635	3,804	1,400	1,400	1,800	5,500	53,455	69,994
33031	Rowlett Creek Operations Center Renovations	WW22	RB	1,635	6,065	0	0	0	0	0	7,700
33032	Rowlett Creek Admin. Building Renovation	WW23	RB/UNF	155	750	1,735	0	0	0	0	2,640
34040	* Duck Creek WWTP Odor Control	WW24	RB/UNF	0	900	6,500	5,300	4,000	6,200	3,300	26,200
Total				\$32,499	\$41,328	\$36,911	\$28,450	\$26,705	\$28,035	\$101,655	\$295,583
Total Existing CO's/RB's/Current Funds/Interest				\$32,499	\$21,303	\$2,131	\$965	\$0	\$0	\$0	\$56,898
Total 2019 Revenue Bonds/Commerical Paper Unfunded				0	20,025	0	0	0	0	0	20,025
				0	0	34,780	27,485	26,705	28,035	101,655	218,660
Total				\$32,499	\$41,328	\$36,911	\$28,450	\$26,705	\$28,035	\$101,655	\$295,583

*Project funded for the first time

WASTEWATER DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
UNAPPROVED PROJECTS

PROJ. NO.	Project Description	Page	Thru 12/31/18	2019	2020	2021	2022	2023	<u>2024 to Completion</u>	<u>Project Total</u>
<u>Wastewater Treatment</u>										
33030	Rowlett Creek Maintenance Center Renovations	WW25	\$0	\$0	\$800	\$3,500	\$0	\$0	\$0	\$4,300
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$800</u>	<u>\$3,500</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$4,300</u>

WASTEWATER DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2019	2020	2021	2022	2023	2024 to Completion	Project Total
<u>Wastewater Collection</u>										
32124	Infiltration Correction - Various	WW01	Appr.	\$1,480	\$1,500	\$1,500	\$1,500	\$1,500	\$0	\$7,480
32147	Sewer Collection Mains - Manholes	WW02	Appr.	580	1,000	1,000	1,000	1,000	0	4,580
32148	Sanitary Sewer Taps - New or Relocations	WW03	Appr.	80	80	80	80	80	0	400
32149	Collection Mains	WW04	Appr.	1,865	2,025	2,025	2,025	2,025	0	9,965
32151	Sewer Lift Station Rehab	WW05	Appr.	0	50	100	100	100	0	350
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.	5,795	2,700	2,700	2,700	2,700	0	16,595
32174	Lift Station Abandonment	WW09	Appr.	50	140	0	0	0	0	190
32183	Duck Creek Interceptor Rehab	WW11	Appr.	160	220	420	1,240	1,040	0	3,080
32184	Rowlett Interceptor Rehab	WW12	Appr.	1,115	1,155	1,155	1,145	1,475	0	6,045
32186	Walnut-I	WW13	Appr.	175	200	1,150	2,500	0	0	4,025
32187	S.H. 190 Catalyst Area	WW14	Appr.	35	480	0	0	0	0	515
32188	Field Operations Center	WW15	Appr.	0	1,555	3,585	0	0	0	5,140
32190	* Rehab Sewer Collection Mains in Dirt Alleys	WW17	Appr.	1,950	1,500	1,500	1,500	1,500	0	7,950
<u>Wastewater Treatment</u>										
33028	Rowlett Creek WWTP Processes Improvements	WW18	Appr.	2,915	9,375	1,945	2,015	2,015	43,000	61,265
33029	Rowlett Creek WWTP Replacements/Mods.	WW19	Appr.	615	765	2,240	2,400	700	700	7,420
34027	Duck Creek WWTP Replacements/Mods.	WW20	Appr.	560	2,800	1,350	1,700	1,200	1,200	8,810
34038	Duck Creek WWTP Processes Improvements	WW21	Appr.	0	0	435	1,800	5,500	53,455	61,190
33032	Rowlett Creek Admin. Building Renovation	WW23	Appr.	750	1,735	0	0	0	0	2,485
34040	* Duck Creek WWTP Odor Control	WW24	Appr.	900	6,500	5,300	4,000	6,200	3,300	26,200
33030	Rowlett Creek Maintenance Center Renovations	WW25	Unappr.	0	800	3,500	0	0	0	4,300
Total				<u>\$20,025</u>	<u>\$35,580</u>	<u>\$30,985</u>	<u>\$26,705</u>	<u>\$28,035</u>	<u>\$101,655</u>	<u>\$242,985</u>
Total Approved				\$20,025	\$34,780	\$27,485	\$26,705	\$28,035	\$101,655	\$238,685
Total Unapproved				0	800	3,500	0	0	0	4,300
Total				<u>\$20,025</u>	<u>\$35,580</u>	<u>\$30,985</u>	<u>\$26,705</u>	<u>\$28,035</u>	<u>\$101,655</u>	<u>\$242,985</u>

*Project funded for the first time

PAGE NO: WW03		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) All				
DEPARTMENT WASTEWATER COLLECTION			PROJECT TITLE SANITARY SEWER TAPS - NEW OR RELOCATIONS					PROJECT NO(S). 32148		ACCOUNT NO(S). 230-4149-3214800				
PROJECT DESCRIPTION										FUNDING SOURCE(S)				
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.										Commercial Paper		\$	240,000	
										Interest			116,078	
										TOTAL FUNDED		\$	356,078	
										UNFUNDED		\$	320,000	
										PROJECT TOTAL		\$	676,078	
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 positive impact on the Operating Budget associated with an increased number of customers and revenue.					Various locations.						
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total						
Design														
Land/Right-of-Way														
Construction	276	80	80	80	80	80		676						
Landscaping														
Equip. & Furnish.														
Other														
TOTAL COSTS	276	80	80	80	80	80		676						
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 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	160	80						240	Finish Out					
Certificates of Obligation									Other					
Other (Interest)	116							116						
Unfunded			80	80	80	80		320						
TOTAL SOURCES	276	80	80	80	80	80		676	TOTAL SCHEDULE	(Ongoing	Project)			

PAGE NO: WW04		<i>Continuing Project</i>		CITY OF GARLAND - 2019 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 This project provides for the replacement of substandard sanitary sewer mains that have deteriorated beyond repair and includes the installation or expansion of existing sewer collection mains. The costs identified include labor, materials, outside contractors, engineering design, and all other expenses associated with sewer main installation/replacement. Projects identified for 2019 include the design and reroute of Ballinger, Bonita, Lamesa, Belita, Flores, and Axe; Glenbrook/Ridgedale as a joint construction project with Streets, Water, and Stormwater Management; engineering design for new pipe from Miller to Glenbrook that will bore under Garland Avenue and the railroad track; a joint Water/Wastewater Collection project for Quincy from Parker to Davidson; and a joint project with Parks for design of sewer reconstruction at Central Park.							FUNDING SOURCE(S) Commercial Paper \$ 4,667,199 Interest 1,404,652 TOTAL FUNDED \$ 6,071,851 UNFUNDED \$ 8,100,000 PROJECT TOTAL \$ 14,171,851				
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 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.								
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Design		170	236	525	525	525	525		2,506		
Land/Right-of-Way											
Construction		4,037	1,555	1,500	1,500	1,500	1,500		11,592		
Landscaping											
Equip. & Furnish.											
Other Inspection			74						74		
TOTAL COSTS		4,207	1,865	2,025	2,025	2,025	2,025		14,172		
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper		2,802	1,865						4,667		
Certificates of Obligation											
Other (Interest)		1,405							1,405		
Unfunded				2,025	2,025	2,025	2,025		8,100		
TOTAL SOURCES		4,207	1,865	2,025	2,025	2,025	2,025		14,172		
							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 - 2019 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>In coordination with the Street Department, this project provides for the design and replacement of substandard sanitary sewer collection mains prior to street and alley paving as necessary to maintain reliable service, avoid utility conflicts, and allow for systematic upgrades to the existing sanitary sewer collection system. Included in the 2019 request is funding for mains and improvements for the State Street/Main Street Alley from Sixth Street to Seventh Street, Miller (Old Gate to Glenbrook), Oates (Rosehill to Broadway), Ballinger/Bonita/Cortez and Lamesa/Belita alleys, Arcady (Linda to Dairy), Jamestown/Commonwealth alley, Arcady/Linda to Celeste, Cranford/Denton to Lamesa, Rockledge/Birchwood alley and West Avenue A/Main alley, and Shiloh from Kingsley to I.H. 635. The sewer design portion completed for ongoing or soon-to-start projects include Lakeside/Lakewood alley, Mary Jane from Lakecrest to Lyons, Alta Oaks, Emberwood, Freeport, Middle Glen, Daugherty, Carroll, Goliad, Meridian Way/Whiteoak alley from Toyah Creek to Rivercrest, and a section of Navasota for CDBG.</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 _____				This project will have a positive impact on the Operating Budget due to reduced maintenance on the new lines.							
FUNDING SOURCE(S)											
Commercial Paper \$ 13,280,660											
Interest 57,004											
TOTAL FUNDED \$ 13,337,664											
UNFUNDED \$ 10,800,000											
PROJECT TOTAL \$ 24,137,664											
STRIP MAP											
Various locations.											
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design	1,750	972	700	700	700	700		5,522			
Land/Right-of-Way											
Construction	5,793	4,823	2,000	2,000	2,000	2,000		18,616			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	7,543	5,795	2,700	2,700	2,700	2,700		24,138			
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper	7,486	5,795						13,281			
Certificates of Obligation											
Other (Interest)	57							57			
Unfunded			2,700	2,700	2,700	2,700		10,800			
TOTAL SOURCES	7,543	5,795	2,700	2,700	2,700	2,700		24,138			
PROJECT SCHEDULE											
START											
FINISH											
Design											
Land/Right-of-Way											
Construction											
Finish Out											
Other											
TOTAL SCHEDULE (Ongoing Project)											

PAGE NO: WW10		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) 3, 4		
DEPARTMENT WASTEWATER COLLECTION			PROJECT TITLE DUCK CREEK GREENBELT TRAIL EXTENSION					PROJECT NO(S). 32181	ACCOUNT NO(S). 235-4149-3218100 237-4149-3218100		
PROJECT DESCRIPTION Excavation for the Duck Creek Sanitary Sewer Interceptor project caused disruptions to portions of City of Garland park land. Restoration of that park land includes extension of a hike and bike trail east of the I.H. 30 corridor and Belt Line Road area that will provide access for Garland residents to parks, natural areas, and an elementary school along the Duck Creek interceptor line south of Guthrie Road. Two of the three easements have been acquired, with acquisition of the final remaining pedestrian and access easement underway. This segment of concrete trail in the Duck Creek Corridor will link with the existing trail in Arnold and Carol Ablon Park.							FUNDING SOURCE(S) Current Funds \$ 1,454,000 Revenue Bonds Issued 36,026 TOTAL FUNDED \$ 1,490,026 UNFUNDED \$ PROJECT TOTAL \$ 1,490,026				
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 This project may impact the 2019-20 Operating Budget with the addition of trimming, edging, and litter pickup along approximately one-half mile of concrete trail.							STRIP MAP	
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Design		70	30	10					110		
Land/Right-of-Way											
Construction			980	400					1,380		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		70	1,010	410					1,490		
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Current Funds		1,454							1,454		
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper		36							36		
Certificates of Obligation											
Other											
Unfunded											
TOTAL SOURCES		1,490							1,490		
							PROJECT SCHEDULE	START	FINISH		
							Design	4/2008	4/2020		
							Land/Right-of-Way				
							Construction	5/2019	4/2020		
							Finish Out				
							Other				
							TOTAL SCHEDULE	4/2008	4/2020		

PAGE NO: WW12		<i>Continuing Project</i>		CITY OF GARLAND - 2019 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) 236-4149-3218400 230-4149-3218400			
PROJECT DESCRIPTION A condition assessment of the 48-inch interceptor from the George Bush Tollway to the Rowlett Creek Wastewater Treatment Plant was completed in 2011, revealing deterioration of concrete pipe and manholes caused by hydrogen sulfide gas. A proactive rehabilitation plan expected to last several years is anticipated to restore the interceptor and extend the useful life of the asset. In 2018, 100% of the 2,350 feet has been relined, and approximately 2,375 feet of the existing concrete pipe will be relined by the Cured-In-Place Pipe (CIPP) Trenchless process in 2019.							FUNDING SOURCE(S) Commercial Paper \$ 2,141,734 Interest 35,035 2016 Certificates of Oblig. 8,266 TOTAL FUNDED \$ 2,185,035 UNFUNDED \$ 4,930,000 PROJECT TOTAL \$ 7,115,035					
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 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.					STRIP MAP				
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023					
Design												
Land/Right-of-Way												
Construction		1,070	1,115	1,155	1,155	1,145	1,475		7,115			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		1,070	1,115	1,155	1,155	1,145	1,475		7,115			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		1,027	1,115						2,142			
Certificates of Obligation		8							8			
Other (Interest)		35							35			
Unfunded				1,155	1,155	1,145	1,475		4,930			
TOTAL SOURCES		1,070	1,115	1,155	1,155	1,145	1,475		7,115			
							PROJECT SCHEDULE	START	FINISH			
							Design					
							Land/Right-of-Way					
							Construction					
							Finish Out					
							Other					
							TOTAL SCHEDULE	(Ongoing	Project)			

PAGE NO: WW13		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 6, 8	
CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				PROJECT NO(S). 32186		ACCOUNT NO(S). 237-4149-3218600			
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE WALNUT-I				PROJECT NO(S). 32186		ACCOUNT NO(S). 237-4149-3218600	
PROJECT DESCRIPTION				FUNDING SOURCE(S)					
An existing 18-inch sanitary sewer interceptor follows the Keen Branch Drainage Creek from Yale/Classic to Duck Creek past Garrett Metal Detectors on State Street, and an Engineering Drainage CIP project scheduled for 2019 provides for construction improvements in the creek channel.				Commercial Paper		\$ 425,038			
				TOTAL FUNDED		\$ 425,038			
				UNFUNDED		\$ 3,850,000			
				PROJECT TOTAL		\$ 4,275,038			
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 _____		The location of this pipe in the creek bed limits access and prevents routine maintenance from being performed. Increasing age and deterioration of the pipe may eventually allow rainwater to enter the system and increase costs at the treatment plants.							
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Design	250	175	200	150				775	
Land/Right-of-Way									
Construction				1,000	2,500			3,500	
Landscaping									
Equip. & Furnish.									
Other									
TOTAL COSTS	250	175	200	1,150	2,500			4,275	
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	
Current Funds									
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper	250	175						425	
Certificates of Obligation									
Other									
Unfunded			200	1,150	2,500			3,850	
TOTAL SOURCES	250	175	200	1,150	2,500			4,275	
		PROJECT SCHEDULE		START	FINISH				
		Design		3/2018	1/2021				
		Land/Right-of-Way							
		Construction		5/2021	12/2022				
		Finish Out							
		Other							
		TOTAL SCHEDULE		3/2018	12/2022				



PAGE NO: WW15		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) 8		
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE FIELD OPERATIONS CENTER						PROJECT NO(S) 32188		ACCOUNT NO(S) 230-4149-3218800		
PROJECT DESCRIPTION The two existing buildings currently in use were built in the 1950s and 1970s and have roof leaks and cracks in the walls due to possible foundation problems. The utility crews in the 1970s building are overcrowded, and the Managers are located separately in the 1950s building. The combined Water/Wastewater Managers and crews work in four separate buildings but need to be together for efficiency, training, communication, and work-related issues. NOTE: The project is split 50/50 between Water and Wastewater Collection. See Water's new project, #30238 - Field Operations Center.		FUNDING SOURCE(S) Commercial Paper \$ 250,000 TOTAL FUNDED \$ 250,000 UNFUNDED \$ 5,140,000 PROJECT TOTAL \$ 5,390,000						STRIP MAP				
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 This project should have a favorable impact on the Operating Budget due to maintenance costs (water, sewer, AC, heating, phone, computer networks, and cleaning) in one building being more efficient than those costs in four separate structures.										
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design			250	555					805			
Land/Right-of-Way												
Construction				1,000	2,722				3,722			
Landscaping												
Equip. & Furnish.					341				341			
Other (Mgmt./Closeout)					522				522			
TOTAL COSTS			250	1,555	3,585				5,390			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		250							250			
Certificates of Obligation												
Other												
Unfunded				1,555	3,585				5,140			
TOTAL SOURCES		250		1,555	3,585				5,390			
		PROJECT SCHEDULE		START		FINISH						
		Design		6/2019		6/2020						
		Land/Right-of-Way										
		Construction		6/2020		9/2021						
		Finish Out		9/2021		12/2021						
		Other										
		TOTAL SCHEDULE		6/2019		12/2021						

PAGE NO: WW16		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST					*Amounts in 000's \$	COUNCIL DISTRICT(S) 8	
DEPARTMENT WASTEWATER COLLECTION			PROJECT TITLE SAND PIT COVER					PROJECT NO(S) 32189		ACCOUNT NO(S) 230-4149-3218900	
PROJECT DESCRIPTION											
<p>This project requests funding to construct a cover over the existing sand and base pits on the lot at 2343 Forest Lane. Heavy rains cause the sand and base to be unusable for several days, or sometimes weeks, delaying or preventing crews from completing assigned tasks.</p> <p>NOTE: The project is split 50/50 between Water and Wastewater Collection. See Water's new project, #30239 - Sand Pit Cover.</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 favorable impact to efficiencies is expected due to sand and base remaining usable.								
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design	5							5			
Land/Right-of-Way											
Construction		120						120			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	5	120						125			
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper	125							125			
Certificates of Obligation											
Other											
Unfunded											
TOTAL SOURCES	125							125			
								PROJECT SCHEDULE	START	FINISH	
								Design	11/2018	12/2018	
								Land/Right-of-Way			
								Construction	1/2019	3/2019	
								Finish Out			
								Other			
								TOTAL SCHEDULE	11/2018	3/2019	

FUNDING SOURCE(S)	
Commercial Paper	\$ 125,000
TOTAL FUNDED	\$ 125,000
UNFUNDED	\$
PROJECT TOTAL	\$ 125,000

STRIP MAP

PAGE NO: WW18		<i>Continuing Project</i>		CITY OF GARLAND - 2019 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). 230-4229-3302800 237-4229-3302800		
PROJECT DESCRIPTION This project provides for improvements to monitoring control systems (SCADA), odor controls, plant structures, and process improvements. Design work and construction to replace the existing sand filters with cloth filters will begin in 2019 and are expected to be completed in 2020. Primary Clarifiers will be rehabbed starting with one in 2018, the second in 2019, and the third in 2020. The preliminary design for UV Disinfection will be performed in 2023. In 2024, major process improvements for the reduction in nutrient discharges, as mandated by the EPA/TCEQ, will begin.							FUNDING SOURCE(S) Revenue Bonds Issued \$ 1,659,770 Commercial Paper 7,685,000 TOTAL FUNDED \$ 9,344,770 UNFUNDED \$ 58,350,000 PROJECT TOTAL \$ 67,694,770				
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 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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Design		2,087	1,000	500	200	400	400	43,000	47,587		
Land/Right-of-Way											
Construction		812	5,146	8,775	1,645	1,515	1,515		19,408		
Landscaping											
Equip. & Furnish.		200	100	100	100	100	100		700		
Other											
TOTAL COSTS		3,099	6,246	9,375	1,945	2,015	2,015	43,000	67,695		
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper		6,430	2,915						9,345		
Certificates of Obligation											
Other											
Unfunded				9,375	1,945	2,015	2,015	43,000	58,350		
TOTAL SOURCES		6,430	2,915	9,375	1,945	2,015	2,015	43,000	67,695		
							PROJECT SCHEDULE	START	FINISH		
							Design				
							Land/Right-of-Way				
							Construction				
							Finish Out				
							Other				
							TOTAL SCHEDULE	(Ongoing	Project)		

PAGE NO: WW21		<i>Continuing Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A			
DEPARTMENT WASTEWATER TREATMENT			PROJECT TITLE DUCK CREEK WWTP PROCESSES IMPROVEMENTS					PROJECT NO(S). 34038		ACCOUNT NO(S). 236-4239-3403800 237-4239-3403800		
PROJECT DESCRIPTION This project provides for improvements to monitoring control systems (SCADA), additional generator capacity, plant structures, and process improvements. Design for the conversion from Dual Media Filters to Cloth Filter Media will begin in 2023, and construction of the new filters will be started in 2024. Preliminary design work for UV Disinfection and major process improvements for the reduction in nutrient discharges, as mandated by the EPA/TCEQ, will also begin in 2024.							FUNDING SOURCE(S)					
							Certificates of Oblig. Issued		\$ 282,379			
							Revenue Bonds Issued		1,088,614			
							Current Funds		397,664			
							Commercial Paper		7,035,000			
							TOTAL FUNDED		<u>\$ 8,803,657</u>			
							UNFUNDED		<u>\$ 61,190,000</u>			
							PROJECT TOTAL		<u>\$ 69,993,657</u>			
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 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	STRIP MAP		
Design		116	200	100	100	500	1,500	1,800	4,316			
Land/Right-of-Way												
Construction		2,378	3,104	1,000	1,000	1,000	3,700	51,655	63,837			
Landscaping												
Equip. & Furnish.		141	500	300	300	300	300		1,841			
Other												
TOTAL COSTS		2,635	3,804	1,400	1,400	1,800	5,500	53,455	69,994			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds		398							398			
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		8,124							8,124			
Certificates of Obligation		282							282			
Other												
Unfunded					435	1,800	5,500	53,455	61,190			
TOTAL SOURCES		8,804			435	1,800	5,500	53,455	69,994			
							PROJECT SCHEDULE		START		FINISH	
							Design					
							Land/Right-of-Way					
							Construction					
							Finish Out					
							Other					
							TOTAL SCHEDULE		(Ongoing		Project)	

PAGE NO: WW24		<i>New Project</i>		CITY OF GARLAND - 2019 CAPITAL PROJECT REQUEST				*Amounts in 000's \$	COUNCIL DISTRICT(S) All																																																																																																																																																																										
DEPARTMENT WASTEWATER TREATMENT			PROJECT TITLE DUCK CREEK WWTP ODOR CONTROL					PROJECT NO(S). 34040	ACCOUNT NO(S). 230-4229-3404000																																																																																																																																																																										
PROJECT DESCRIPTION This project is in response to the Notice of Violation (NOV) issued to the City by the Texas Commission on Environmental Quality (TCEQ) on February 6, 2018, and provides for the prevention of nuisance odors from processes occurring at the Duck Creek Wastewater Treatment Plant from interfering with the normal use and enjoyment of property near the Plant. Design will begin in 2019 for the initial phase that will improve the aeration basins and add odor control devices to the sludge holding tanks, influent diversion box, and preliminary splitter box. Construction will begin in 2020 and last 20 months. Design of odor controls for the primary treatment area and headworks will start in 2021, followed by construction to begin in 2022. Finally, design for odor control improvements of the equalization basin will begin in 2023. Construction on the odor control improvements for the equalization basin are anticipated to begin in 2024 and should be completed in 2025.							FUNDING SOURCE(S) Commercial Paper \$ 900,000																																																																																																																																																																												
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations # of Positions <u>0</u> Capital _____ Total _____			IMPACT EXPLANATION Operating Budget fund requirements will increase due to the added electrical power demand of the odor control units and maintenance costs.							TOTAL FUNDED \$ 900,000																																																																																																																																																																									
										UNFUNDED \$ 25,300,000																																																																																																																																																																									
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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>*PROJECT COSTS</th> <th>Thru 12-2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023</th> <th>2024 to Completion</th> <th>Total</th> <th></th> </tr> </thead> <tbody> <tr> <td>Design</td> <td></td> <td>900</td> <td>300</td> <td>1,100</td> <td>0</td> <td>500</td> <td></td> <td>2,800</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> <td></td> </tr> <tr> <td>Construction</td> <td></td> <td></td> <td>6,200</td> <td>4,200</td> <td>4,000</td> <td>5,700</td> <td>3,300</td> <td>23,400</td> <td></td> </tr> <tr> <td>Landscaping</td> <td></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> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL COSTS</td> <td></td> <td>900</td> <td>6,500</td> <td>5,300</td> <td>4,000</td> <td>6,200</td> <td>3,300</td> <td>26,200</td> <td></td> </tr> <tr> <th>*SOURCE OF FUNDS</th> <th>Thru 12-2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023</th> <th>2024 to Completion</th> <th>Total</th> <th></th> </tr> <tr> <td>Current Funds</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>GO's/Com Paper Issued</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>GO's Unissued</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RB's/Com Paper</td> <td></td> <td>900</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>900</td> <td></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></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Unfunded</td> <td></td> <td></td> <td>6,500</td> <td>5,300</td> <td>4,000</td> <td>6,200</td> <td>3,300</td> <td>25,300</td> <td></td> </tr> <tr> <td>TOTAL SOURCES</td> <td></td> <td>900</td> <td>6,500</td> <td>5,300</td> <td>4,000</td> <td>6,200</td> <td>3,300</td> <td>26,200</td> <td></td> </tr> </tbody> </table>										*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		Design		900	300	1,100	0	500		2,800		Land/Right-of-Way										Construction			6,200	4,200	4,000	5,700	3,300	23,400		Landscaping										Equip. & Furnish.										Other										TOTAL COSTS		900	6,500	5,300	4,000	6,200	3,300	26,200		*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		Current Funds										GO's/Com Paper Issued										GO's Unissued										RB's/Com Paper		900						900		Certificates of Obligation										Other										Unfunded			6,500	5,300	4,000	6,200	3,300	25,300		TOTAL SOURCES		900	6,500	5,300	4,000	6,200	3,300	26,200	
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total																																																																																																																																																																											
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Unapproved Submitted Projects

ELECTRIC DETAIL PROJECT SUMMARY
(Calendar Year 2019)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/18	2019	2020	2021	2022	2023	2024 to Completion	Project Total
31387	Transmission Lines	E01	CF/RB/INT/UNF	\$31,795	\$38,374	\$20,728	\$20,056	\$920	\$966	\$0	\$112,839
31223	Communications Upgrades/Improvements	E02	CF/RB/UNF	1,208	1,074	0	0	0	0	0	2,282
31240	Residential Construction	E03	CF/UNF	402	816	840	880	922	966	0	4,826
31320	Commercial and Industrial Construction	E04	CF/RB/UNF	1,678	3,660	1,400	1,470	1,544	1,621	0	11,373
31460	Street and Thoroughfare Lighting	E05	CF/UNF	4,337	2,740	2,496	3,373	2,296	1,020	0	16,262
31491	Relocation of Facilities	E06	CF/UNF	365	2,525	900	945	992	1,042	0	6,769
31532	Distribution Lines - Overhead	E07	CF/RB/UNF	3,635	4,982	5,001	3,994	4,443	4,072	0	26,127
31551	Production	E08	CF	499	1,264	0	0	0	0	0	1,763
31624	Distribution Lines - Underground	E09	CF/RB/UNF	7,357	8,738	6,434	6,128	6,176	6,290	0	41,123
31717	Substations Upgrades	E10	RB/UNF	22,143	55,045	22,161	24,642	2,118	1,120	0	127,229
31875	Various Improvements	E11	CF/RB/UNF	230	678	213	216	0	0	0	1,337
Total				<u>\$73,649</u>	<u>\$119,896</u>	<u>\$60,173</u>	<u>\$61,704</u>	<u>\$19,411</u>	<u>\$17,097</u>	<u>\$0</u>	<u>\$351,930</u>
Total Existing CO's/RB's/Current Funds/Interest				\$73,649	\$64,564	\$0	\$0	\$0	\$0	\$0	\$138,213
Total 2019 Revenue Bonds/Commerical Paper				0	55,332	0	0	0	0	0	55,332
Unfunded				0	0	60,173	61,704	19,411	17,097	0	158,385
Total				<u>\$73,649</u>	<u>\$119,896</u>	<u>\$60,173</u>	<u>\$61,704</u>	<u>\$19,411</u>	<u>\$17,097</u>	<u>\$0</u>	<u>\$351,930</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 2019)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2019	2020	2021	2022	2023	2024 to Completion	Project Total
31387	Transmission Lines	E01	Appr.	\$26,352	\$20,728	\$20,056	\$920	\$966	\$0	\$69,022
31223	Communications Upgrades/Improvements	E02	Appr.	800	0	0	0	0	0	800
31240	Residential Construction	E03	Appr.	0	840	880	922	966	0	3,608
31320	Commercial and Industrial Construction	E04	Appr.	1,994	1,400	1,470	1,544	1,621	0	8,029
31460	Street and Thoroughfare Lighting	E05	Appr.	0	2,496	3,373	2,296	1,020	0	9,185
31491	Relocation of Facilities	E06	Appr.	0	900	945	992	1,042	0	3,879
31532	Distribution Lines - Overhead	E07	Appr.	2,637	5,001	3,994	4,443	4,072	0	20,147
31624	Distribution Lines - Underground	E09	Appr.	1,930	6,434	6,128	6,176	6,290	0	26,958
31717	Substations Upgrades	E10	Appr.	21,300	22,161	24,642	2,118	1,120	0	71,341
31885	Various Improvements	E11	Appr.	319	213	216	0	0	0	748
	Total			<u>\$55,332</u>	<u>\$60,173</u>	<u>\$61,704</u>	<u>\$19,411</u>	<u>\$17,097</u>	<u>\$0</u>	<u>\$213,717</u>
	Total Approved			\$55,332	\$60,173	\$61,704	\$19,411	\$17,097	\$0	\$213,717
	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>\$55,332</u>	<u>\$60,173</u>	<u>\$61,704</u>	<u>\$19,411</u>	<u>\$17,097</u>	<u>\$0</u>	<u>\$213,717</u>

PAGE NO: E01		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All	
DEPARTMENT ELECTRIC		PROJECT TITLE TRANSMISSION LINES				PROJECT NO(S) 31387 31386		ACCOUNT NO(S) 210-3599-3138701 217-3599-3138601	
PROJECT DESCRIPTION The 2019 Transmission Lines Program includes funding for the completion of the Wylie Switchyard to Firewheel transmission line upgrade, the Lake Ray Hubbard crossing, the Apollo to Lookout rebuild, and the construction of the Dent Road to Shelby, Holford, and transmission lines for two proposed solar farms connecting to GP&L's CREZ transmission line. Funding is also included for the replacement of a 2006 high reach bucket truck.						FUNDING SOURCE(S) Revenue Bonds Issued \$ 480,387 Interest 3,000 Commercial Paper Issue 64,320,299 Current Funds 1,835,000 Cash Transfer - GPL 3,530,000 TOTAL FUNDED \$ 70,168,686 UNFUNDED \$ 42,670,000 PROJECT TOTAL \$112,838,686			
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 These projects will not impact the Operating Budget.						
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Design		430	1,361	2,265	240	200	210		4,706
Land/Right-of-Way		1,000	403	400	100				1,903
Construction		21,489	21,091	7,830	14,480	300	315		65,505
Landscaping				250	400				650
Equip. & Furnish.		7,692	14,260	7,485	3,420	300	315		33,472
Other		1,184	1,259	2,498	1,416	120	126		6,603
TOTAL COSTS		31,795	38,374	20,728	20,056	920	966		112,839
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Current Funds		1,835	3,530						5,365
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper		38,449	26,352						64,801
Certificates of Obligation									
Other (Interest)		3							3
Unfunded				20,728	20,056	920	966		42,670
TOTAL SOURCES		40,287	29,882	20,728	20,056	920	966		112,839
		PROJECT SCHEDULE		START		FINISH			
		Design							
		Land/Right-of-Way							
		Construction							
		Finish Out							
		Other							
		TOTAL SCHEDULE		(Ongoing		Project)			

PAGE NO: E02		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All			
DEPARTMENT ELECTRIC				PROJECT TITLE COMMUNICATIONS UPGRADES/IMPROVEMENTS					PROJECT NO(S). 31223 31282		ACCOUNT NO(S). 210-3699-3122300 210-3699-3129501	
PROJECT DESCRIPTION				IMPACT ON OPERATING BUDGET					IMPACT EXPLANATION			
<p>The Communications Upgrades/Improvements Program includes funding for software, hardware, and equipment upgrades to the GP&L system needed to meet ERCOT and regulatory requirements and to enhance overall system reliability and performance. Projects for the 2019 CIP include equipment upgrades associated with the EMS/SCADA systems and control center, completion of GP&L's energy trading and settlement system, and an upgrade of the existing transmission system operations map board to enable digital displays.</p>				<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____					These projects will not impact the Operating Budget.			
				FUNDING SOURCE(S) Commercial Paper Issue \$ 938,685 Current Funds 1,343,000 TOTAL FUNDED \$ 2,281,685 UNFUNDED \$ PROJECT TOTAL \$ 2,281,685								
				STRIP MAP								
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total				
Design	1,175	368						1,543				
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.	33	706						739				
Other												
TOTAL COSTS	1,208	1,074						2,282				
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds	1,343							1,343	Design			
GO's/Com Paper Issued									Land/Right-of-Way			
GO's Unissued									Construction			
RB's/Com Paper	139	800						939	Finish Out			
Certificates of Obligation									Other			
Other												
Unfunded												
TOTAL SOURCES	1,482	800						2,282	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: E03		Continuing Project					*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 for the replacement of overhead and underground residential services as needed due to system aging and failures. This Program also includes the installation of new ERT meters.		FUNDING SOURCE(S) Current Funds \$ 1,217,821										
IMPACT ON OPERATING BUDGET <input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____		IMPACT EXPLANATION These projects will not impact the Operating Budget.										
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design		22	30	30	30	30	30		172			
Land/Right-of-Way												
Construction		160	385	405	425	446	468		2,289			
Landscaping												
Equip. & Furnish.		220	401	405	425	446	468		2,365			
Other												
TOTAL COSTS		402	816	840	880	922	966		4,826			
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds		1,218							1,218			
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation												
Other												
Unfunded				840	880	922	966		3,608			
TOTAL SOURCES		1,218		840	880	922	966		4,826			
										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		IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION					
<p>The Commercial and Industrial Construction Program provides for the construction of aerial and underground electrical distribution facilities as necessary to provide electrical service to new commercial and industrial customers as well as service upgrades as needed to existing customers who are experiencing company growth. Projects for the 2019 CIP include multi-use complexes, new businesses, and several apartment complexes throughout the city, as well as new business growth located in the State Highway 190 corridor, Encore North Garland, Firewheel Lofts, and several small commercial properties.</p>		<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		These projects will not impact the Operating Budget.							
*PROJECT COSTS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Design	205	788	350	368	386	405		2,502			
Land/Right-of-Way											
Construction	758	1,183	526	552	580	609		4,208			
Landscaping											
Equip. & Furnish.	715	1,182	524	550	578	607		4,156			
Other		507						507			
TOTAL COSTS	1,678	3,660	1,400	1,470	1,544	1,621		11,373			
*SOURCE OF FUNDS	Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total			
Current Funds	1,154							1,154			
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper	2,190	1,994						4,184			
Certificates of Obligation											
Other											
Unfunded			1,400	1,470	1,544	1,621		6,035			
TOTAL SOURCES	3,344	1,994	1,400	1,470	1,544	1,621		11,373			
								PROJECT SCHEDULE	START	FINISH	
								Design			
								Land/Right-of-Way			
								Construction			
								Finish Out			
								Other			
								TOTAL SCHEDULE	(Ongoing	Project)	

STRIP MAP

PAGE NO: E07		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All	
DEPARTMENT ELECTRIC		PROJECT TITLE DISTRIBUTION LINES - OVERHEAD				PROJECT NO(S). 31532		ACCOUNT NO(S). 215-3299-3153201	
PROJECT DESCRIPTION The Distribution Lines - Overhead Program is used for the construction of overhead feeder lines and installation of transformers where necessary to meet load growth due to residential, commercial, or industrial expansion within the GP&L service area and for equipment replacements due to age and/or failures affecting system reliability. Projects for 2019 include upgrades to several single-phase laterals identified from faults that occurred on the system, replacement of wood poles with steel poles in feeder lines for system reliability, and power factor corrections on five identified feeders to improve system efficiency.						FUNDING SOURCE(S) Current Funds \$ 1,379,182 Cash Transfer - GPL 826,000 Commercial Paper Issue 6,411,997 TOTAL FUNDED \$ 8,617,179 UNFUNDED \$ 17,510,000 PROJECT TOTAL \$ 26,127,179			
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 These projects will not impact the Operating Budget.						
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Design		532	1,184	1,250	998	1,022	1,017		6,003
Land/Right-of-Way									
Construction		1,549	1,621	1,876	1,499	1,689	1,528		9,762
Landscaping									
Equip. & Furnish.		1,479	1,575	1,875	1,497	1,732	1,527		9,685
Other		75	602						677
TOTAL COSTS		3,635	4,982	5,001	3,994	4,443	4,072		26,127
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total
Current Funds		1,379	826						2,205
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper		3,775	2,637						6,412
Certificates of Obligation									
Other									
Unfunded				5,001	3,994	4,443	4,072		17,510
TOTAL SOURCES		5,154	3,463	5,001	3,994	4,443	4,072		26,127
								STRIP MAP	
								PROJECT SCHEDULE	
								START	
								FINISH	
								Design	
								Land/Right-of-Way	
								Construction	
								Finish Out	
								Other	
								TOTAL SCHEDULE	
								(Ongoing	
								Project)	

PAGE NO: E08		Continuing Project					*Amounts in 000's \$		COUNCIL DISTRICT(S) All		
DEPARTMENT ELECTRIC		PROJECT TITLE PRODUCTION					PROJECT NO(S). 31551		ACCOUNT NO(S). 215-3449-3159201		
PROJECT DESCRIPTION The Production Program provides funding for generation plant reliability improvements. The 2019 Program includes funding for the replacement of the natural gas monitoring and control system, the existing intake strainer system, and a force draft motor and pedestal on Olinger Unit 3, as well as station air compressor replacements and a remote camera system at the Lewisville Hydro Plant to provide remote monitoring capabilities.		FUNDING SOURCE(S) Current Funds \$ 984,000 Cash Transfer - GPL 779,000 TOTAL FUNDED \$ 1,763,000 UNFUNDED \$ PROJECT TOTAL \$ 1,763,000					STRIP MAP				
IMPACT ON OPERATING BUDGET <input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____		IMPACT EXPLANATION These projects will not impact the Operating Budget.									
*PROJECT COSTS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Design		120	155						275		
Land/Right-of-Way											
Construction		47	717						764		
Landscaping											
Equip. & Furnish.		332	392						724		
Other											
TOTAL COSTS		499	1,264						1,763		
*SOURCE OF FUNDS		Thru 12-2018	2019	2020	2021	2022	2023	2024 to Completion	Total		
Current Funds		984	779						1,763		
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation											
Other											
Unfunded											
TOTAL SOURCES		984	779						1,763		
		PROJECT SCHEDULE		START		FINISH					
		Design									
		Land/Right-of-Way									
		Construction									
		Finish Out									
		Other									
		TOTAL SCHEDULE		(Ongoing		Project)					

APPENDICES

Appendix A

**Ordinance Adopting 2019 CIP
(Ordinance No. 7043)**

ORDINANCE NO. 7043

AN ORDINANCE OF THE CITY OF GARLAND, TEXAS, APPROVING AND ADOPTING THE CAPITAL IMPROVEMENT PROGRAM FOR 2019, PROVIDING BUDGETARY APPROPRIATIONS FOR THE VARIOUS CAPITAL FUNDS OF THE CITY, AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, on February 19, 2019, the City Manager submitted a Proposed Capital Improvement Program (CIP) for the City for 2019; 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 26, 2019, and March 5, 2019, 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 2019, 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	\$ 14,698,000
B. Street/Transportation Project Appropriations	39,400,000
C. Drainage Project Appropriations	6,503,000
D. Library Project Appropriations	1,728,000

E. Public Safety Project Appropriations	\$ 6,129,000
F. Economic Development Project Appropriations	4,760,000
G. Municipal Facilities and Miscellaneous Project Appropriations	7,074,000
H. Landfill/Transfer Station Project Appropriations	7,519,000
I. Environmental Waste Services Project Appropriations	3,377,000
J. Stormwater Management Project Appropriations	300,000
K. Internal Services Project Appropriations	1,390,000
L. Water Project Appropriations	25,614,000
M. Wastewater Project Appropriations	41,328,000
N. Electric Project Appropriations	119,896,000

Section 2

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

PASSED AND APPROVED this 5th day of March, 2019.

THE CITY OF GARLAND, TEXAS

By: 
Mayor

ATTEST:


City Secretary

Appendix B

2018 CIP Amendments

Ordinance No. 6982

Ordinance No. 7009

Ordinance No. 7023

ORDINANCE NO. 6982

AN ORDINANCE AUTHORIZING AN AMENDMENT TO THE 2018 CAPITAL IMPROVEMENT PROGRAM (2018 CIP AMENDMENT NO. 1), PROVIDING FOR THE SUPPLEMENTAL APPROPRIATION OF FUNDS IN THE EMERGENCY RESPONSE SAFETY EQUIPMENT PROJECT; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council approved the 2018 Capital Improvement Program and appropriated the necessary funds for the improvements of the City; and

WHEREAS, the City Charter provides that the City Council may approve any amendments and supplements to the CIP Budget as deemed necessary; and

WHEREAS, Council has reviewed and concurred with a Policy Report that establishes the need for changes to appropriations in the Emergency Response Safety Equipment Project;

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

Section 1

The City Council of the City of Garland, Texas, hereby authorizes and approves an amendment to the 2018 Capital Improvement Program in the amount of \$322,000 as shown in Exhibit "A" (Policy Report), attached hereto and incorporated herein by reference.

Section 2

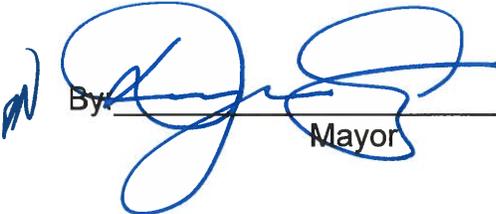
The City Council of the City of Garland, Texas, hereby amends Ordinance No. 6958, Section 1 (E), adjusting appropriations of \$322,000 for the purposes specified in Exhibit "A" (Policy Report), attached hereto.

Section 3

This ordinance shall be and become effective immediately upon and after its adoption and approval.

PASSED AND APPROVED this the 15th day of May, 2018.

THE CITY OF GARLAND, TEXAS

By:  _____
Mayor

ATTEST:

 _____
City Secretary



ORDINANCE NO. 7009

AN ORDINANCE AUTHORIZING A SECOND AMENDMENT TO THE 2018 CAPITAL IMPROVEMENT PROGRAM ("CIP"), PROVIDING FOR THE SUPPLEMENTAL APPROPRIATION OF FUNDS FOR ELECTRIC RELIABILITY; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council approved the 2018 Capital Improvement Program and appropriated the necessary funds for the design and construction of certain improvements of the City;

WHEREAS, the City Charter provides that the City Council may approve any amendments and supplements to the CIP Budget as deemed necessary;

WHEREAS, Garland Power and Light has determined that it is necessary and beneficial to (1) design and construct the Campbell Road Switch Station, and (2) design and construct the King Mountain Switch Station and Transmission Line (collectively, "Electric System Improvements"); and

WHEREAS, the City Council hereby finds that it is both necessary and desirable to amend the 2018 CIP Program for design and construction of the Electric System Improvements.

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

Section 1

The City Council of the City of Garland, Texas, hereby authorizes and approves a second amendment to the 2018 Capital Improvement Program in the amount of \$20,150,000 for the design and construction of the Electric System Improvements.

Section 2

The City Council of the City of Garland, Texas, hereby amends Ordinance No. 6958, Section 1 (E), by including additional appropriations in the amount of \$20,150,000 for the design and construction of the Electric System Improvements.

Section 3

This ordinance shall be and become effective immediately upon and after its adoption and approval.

PASSED AND APPROVED this the 4th day of September, 2018.

THE CITY OF GARLAND, TEXAS

By: 
Mayor

Attest:


City Secretary

ORDINANCE NO. 7023

AN ORDINANCE AUTHORIZING AN AMENDMENT TO THE 2018 CAPITAL IMPROVEMENT PROGRAM (2018 CIP AMENDMENT NO. 3), PROVIDING FOR THE SUPPLEMENTAL APPROPRIATION OF FUNDS IN THE EWS LAND ACQUISITION PROJECT, THE ROSEHILL STREET PROJECT, AND THE SURF & SWIM AQUATIC FACILITY EXPANSION PROJECT; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council approved the 2018 Capital Improvement Program and appropriated the necessary funds for the improvements of the City; and

WHEREAS, the City Charter provides that the City Council may approve any amendments and supplements to the CIP Budget as deemed necessary; and

WHEREAS, Council has reviewed and concurred with a Policy Report that establishes the need for changes to appropriations in the EWS Land Acquisition Project, Rosehill Street Project, and Surf & Swim Aquatic Facility Expansion Project;

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

Section 1

The City Council of the City of Garland, Texas, hereby authorizes and approves an amendment to the 2018 Capital Improvement Program in the amount of \$1,468,000 for land acquisition, infrastructure improvements, and a holding tank.

Section 2

The City Council of the City of Garland, Texas, hereby amends Ordinance No. 6958, Section 1 (I), adjusting appropriations of \$300,000 for the land acquisition of property adjacent to the EWS Recycling Center.

The City Council of the City of Garland, Texas, hereby amends Ordinance No. 6958, Section 1 (B), adjusting appropriations of \$963,000 for the infrastructure improvements adjacent to the Rosehill development.

The City Council of the City of Garland, Texas, hereby amends Ordinance No. 6958, Section 1 (A), adjusting appropriations of \$205,000 for the purchase of a holding tank for Surf & Swim Aquatic Facility.

Section 3

This ordinance shall be and become effective immediately upon and after its adoption and approval.

PASSED AND APPROVED this the 1st day of October, 2018.

THE CITY OF GARLAND, TEXAS

By: 
Mayor

ATTEST:


City Secretary



Appendix C

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 and 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.

Appendix D

Summary of Programs

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Total Request</u>
<u>PARK</u>							
Prior Approved G.O./C.P.	\$2,494	\$750	\$0	\$0	\$0	\$0	\$3,244
New Debt G.O./C.P.	478	2,662	3,422	0	0	4,856	11,418
New Debt C.O.	6,412	0	0	0	0	0	6,412
Other Sources	5,314	326	0	0	0	0	5,640
Unfunded	0	8,212	6,442	4,851	3,500	0	23,005
	<u>\$14,698</u>	<u>\$11,950</u>	<u>\$9,864</u>	<u>\$4,851</u>	<u>\$3,500</u>	<u>\$4,856</u>	<u>\$49,719</u>
<u>STREET/TRANSPORTATION</u>							
Prior Approved G.O./C.P.	\$9,090	\$199	\$0	\$0	\$0	\$0	\$9,289
New Debt G.O./C.P.	8,959	11,138	4,505	8,620	1,911	24,783	59,916
New Debt C.O.	7,116	0	0	0	0	0	7,116
Other Sources	14,235	8,226	1,752	1,000	0	0	25,213
Unfunded	0	15,936	18,337	20,814	24,748	21,050	100,885
	<u>\$39,400</u>	<u>\$35,499</u>	<u>\$24,594</u>	<u>\$30,434</u>	<u>\$26,659</u>	<u>\$45,833</u>	<u>\$202,419</u>
<u>DRAINAGE</u>							
Prior Approved G.O./C.P.	\$595	\$0	\$0	\$0	\$0	\$0	\$595
New Debt G.O./C.P.	360	0	200	440	2,108	4,113	7,221
New Debt C.O.	4,269	0	0	0	0	0	4,269
Other Sources	1,279	834	0	0	0	0	2,113
Unfunded	0	6,466	0	0	0	2,200	8,666
	<u>\$6,503</u>	<u>\$7,300</u>	<u>\$200</u>	<u>\$440</u>	<u>\$2,108</u>	<u>\$6,313</u>	<u>\$22,864</u>

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Total Request</u>
<u>LIBRARY</u>							
New Debt C.O.	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Sources	1,728	1,427	0	0	0	0	3,155
Unfunded	0	1,078	0	0	0	0	1,078
	<u>\$1,728</u>	<u>\$2,505</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$4,233</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	600	0	0	425	1,025
New Debt C.O.	3,572	0	0	0	0	0	3,572
Other Sources	2,557	0	0	0	0	0	2,557
Unfunded	0	11,336	17,974	15,442	5,522	7,600	57,874
	<u>\$6,129</u>	<u>\$11,336</u>	<u>\$18,574</u>	<u>\$15,442</u>	<u>\$5,522</u>	<u>\$8,025</u>	<u>\$65,028</u>
<u>ECONOMIC DEVELOPMENT</u>							
Prior Approved G.O./C.P.	\$600	\$0	\$0	\$0	\$0	\$0	\$600
New Debt G.O./C.P.	1,541	927	100	880	0	3,810	7,258
New Debt C.O.	1,113	0	0	0	0	0	1,113
Other Sources	1,506	9	0	0	0	0	1,515
Unfunded	0	5,357	2,654	2,539	576	0	11,126
	<u>\$4,760</u>	<u>\$6,293</u>	<u>\$2,754</u>	<u>\$3,419</u>	<u>\$576</u>	<u>\$3,810</u>	<u>\$21,612</u>

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Total Request</u>
<u>MUNICIPAL FACILITIES & MISC. TAX SUPPORTED</u>							
New Debt C.O.	\$2,019	\$0	\$0	\$0	\$0	\$0	\$2,019
Other Sources	5,055	250	250	24	0	0	5,579
Unfunded	<u>0</u>	<u>2,050</u>	<u>1,900</u>	<u>2,428</u>	<u>2,750</u>	<u>0</u>	<u>9,128</u>
	<u>\$7,074</u>	<u>\$2,300</u>	<u>\$2,150</u>	<u>\$2,452</u>	<u>\$2,750</u>	<u>\$0</u>	<u>\$16,726</u>
<u>LANDFILL/TRANSFER STATION</u>							
New Debt C.O.	\$266	\$0	\$0	\$0	\$0	\$0	\$266
Other Sources	7,253	0	0	0	0	0	7,253
Unfunded	<u>0</u>	<u>3,999</u>	<u>2,248</u>	<u>3,148</u>	<u>2,865</u>	<u>0</u>	<u>12,260</u>
	<u>\$7,519</u>	<u>\$3,999</u>	<u>\$2,248</u>	<u>\$3,148</u>	<u>\$2,865</u>	<u>\$0</u>	<u>\$19,779</u>
<u>TOTAL GENERAL FUND</u>							
Prior Approved G.O./C.P.	\$12,779	\$949	\$0	\$0	\$0	\$0	\$13,728
New Debt G.O./C.P.	11,338	14,727	8,827	9,940	4,019	37,987	86,838
New Debt C.O.	24,767	0	0	0	0	0	24,767
Other Sources	<u>38,927</u>	<u>11,072</u>	<u>2,002</u>	<u>1,024</u>	<u>0</u>	<u>0</u>	<u>53,025</u>
Total Funded Projects	\$87,811	\$26,748	\$10,829	\$10,964	\$4,019	\$37,987	\$178,358
Unfunded	<u>0</u>	<u>54,434</u>	<u>49,555</u>	<u>49,222</u>	<u>39,961</u>	<u>30,850</u>	<u>224,022</u>
TOTAL	<u><u>\$87,811</u></u>	<u><u>\$81,182</u></u>	<u><u>\$60,384</u></u>	<u><u>\$60,186</u></u>	<u><u>\$43,980</u></u>	<u><u>\$68,837</u></u>	<u><u>\$402,380</u></u>

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Total Request</u>
<u>INFORMATION TECHNOLOGY</u>							
New Debt C.O.	\$883	\$0	\$0	\$0	\$0	\$0	\$883
Other Sources	507	0	0	0	0	0	507
Unfunded	<u>0</u>	<u>733</u>	<u>313</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,046</u>
	<u>\$1,390</u>	<u>\$733</u>	<u>\$313</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$2,436</u>
<u>TOTAL INTERNAL SERVICE</u>							
New Debt C.O.	\$883	\$0	\$0	\$0	\$0	\$0	\$883
Other Sources	507	0	0	0	0	0	507
Total Funded Projects	<u>\$1,390</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1,390</u>
Unfunded	<u>0</u>	<u>733</u>	<u>313</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,046</u>
TOTAL	<u><u>\$1,390</u></u>	<u><u>\$733</u></u>	<u><u>\$313</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$2,436</u></u>
<u>EWS GROUP - DELIVERY</u>							
New Debt C.O.	\$2,862	\$0	\$0	\$0	\$0	\$0	\$2,862
Other Sources	515	70	17	50	0	0	652
Unfunded	<u>0</u>	<u>2,487</u>	<u>3,390</u>	<u>3,437</u>	<u>4,078</u>	<u>0</u>	<u>13,392</u>
	<u>\$3,377</u>	<u>\$2,557</u>	<u>\$3,407</u>	<u>\$3,487</u>	<u>\$4,078</u>	<u>\$0</u>	<u>\$16,906</u>
<u>STORMWATER MANAGEMENT</u>							
New Debt C.O.	\$54	\$0	\$0	\$0	\$0	\$0	\$54
Other Sources	246	0	0	0	0	0	246
Unfunded	<u>0</u>	<u>500</u>	<u>500</u>	<u>500</u>	<u>500</u>	<u>0</u>	<u>2,000</u>
	<u>\$300</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$0</u>	<u>\$2,300</u>

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024 to Completion</u>	<u>Total Request</u>
<u>WATER</u>							
New Debt C.P.	\$14,035	\$0	\$0	\$0	\$0	\$0	\$14,035
Prior Approved C.P.	11,187	195	0	0	0	0	11,382
Other Sources	392	0	0	0	0	0	392
Unfunded	0	19,375	21,580	17,490	16,275	0	74,720
	<u>\$25,614</u>	<u>\$19,570</u>	<u>\$21,580</u>	<u>\$17,490</u>	<u>\$16,275</u>	<u>\$0</u>	<u>\$100,529</u>
<u>WASTEWATER</u>							
New Debt C.P.	\$20,025	\$0	\$0	\$0	\$0	\$0	\$20,025
Prior Approved C.P.	18,424	1,721	965	0	0	0	21,110
Other Sources	2,879	410	0	0	0	0	3,289
Unfunded	0	35,580	30,985	26,705	28,035	101,655	222,960
	<u>\$41,328</u>	<u>\$37,711</u>	<u>\$31,950</u>	<u>\$26,705</u>	<u>\$28,035</u>	<u>\$101,655</u>	<u>\$267,384</u>
<u>ELECTRIC</u>							
New Debt C.P.	\$55,332	\$0	\$0	\$0	\$0	\$0	\$55,332
Prior Approved C.P.	49,443	0	0	0	0	0	49,443
Other Sources	15,121	0	0	0	0	0	15,121
Unfunded	0	60,173	61,704	19,411	17,097	0	158,385
	<u>\$119,896</u>	<u>\$60,173</u>	<u>\$61,704</u>	<u>\$19,411</u>	<u>\$17,097</u>	<u>\$0</u>	<u>\$278,281</u>
<u>TOTAL UTILITY FUNDS</u>							
New Debt C.P.	\$89,392	\$0	\$0	\$0	\$0	\$0	\$89,392
Prior Approved C.P.	79,054	1,916	965	0	0	0	81,935
New Debt C.O.	2,916	0	0	0	0	0	2,916
Other Sources	19,153	480	17	50	0	0	19,700
Total Funded Projects	\$190,515	\$2,396	\$982	\$50	\$0	\$0	\$193,943
Unfunded	0	118,115	118,159	67,543	65,985	101,655	471,457
TOTAL	<u>\$190,515</u>	<u>\$120,511</u>	<u>\$119,141</u>	<u>\$67,593</u>	<u>\$65,985</u>	<u>\$101,655</u>	<u>\$665,400</u>

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

Appendix E

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	\$7,313	49.8%	\$7,080	48.2%	\$305	2.1%	\$14,698
Street/Transportation	15,877	40.3%	23,324	59.2%	199	0.5%	39,400
Drainage	827	12.7%	5,676	87.3%	0	0.0%	6,503
Library	1,638	94.8%	90	5.2%	0	0.0%	1,728
Public Safety	2,372	38.7%	0	0.0%	3,757	61.3%	6,129
Economic Development	1,853	38.9%	1,794	37.7%	1,113	23.4%	4,760
Landfill/Transfer Station	1,541	20.5%	0	0.0%	5,978	79.5%	7,519
Other	3,475	49.1%	2,403	33.9%	1,196	16.9%	7,074
Total	\$34,896	39.7%	\$40,367	46.0%	\$12,548	14.3%	\$87,811
Internal Service	\$507	36.5%	\$733	52.7%	\$150	10.8%	\$1,390
EWS Group - Delivery	515	15.3%	0	0.0%	2,862	84.7%	3,377
Stormwater Management	246	82.0%	0	0.0%	54	18.0%	300
Water	11,579	45.2%	14,035	54.8%	0	0.0%	25,614
Wastewater	21,243	51.4%	17,235	41.7%	2,850	6.9%	41,328
Electric	52,839	44.1%	67,057	55.9%	0	0.0%	119,896
Total	\$86,929	45.3%	\$99,060	51.6%	\$5,916	3.1%	\$191,905
Grand Total	\$121,825	43.6%	\$139,427	49.8%	\$18,464	6.6%	\$279,716

CIP FUND ALLOCATION BY PROJECT 2019

		Page	Existing Funding	Continuation Funding	New Project Funding	Project Total
Park						
18209	Trail Development	P01	\$1,725,000	\$138,000		\$1,863,000
18318	Surf & Swim Aquatic Facility Expansion	P02		200,000	\$205,000	405,000
18320	Granger Recreation Center & Annex Renovation	P03	1,256,000	1,975,000		3,231,000
18330	Skating/Skateboard Facility	P07	352,000			352,000
18331	Expand Centralized Irrigation/Lighting Control	P08	250,000			250,000
18334	Audubon Park Picnic Area Paving Replacement	P10		130,000		130,000
18337	Windsurf Bay Park	P12	688,000	10,000		698,000
18338	Playground Improvements	P13	959,000	910,000		1,869,000
18345	Repaving of Parking Lots for Parks Dept.	P14	99,000	3,227,000		3,326,000
18346	Park Operations Facility Improvements	P15	46,000	44,000		90,000
18347	Dog Park	P16	937,000	61,000		998,000
18348	Park Lighting Improvements - Parking Lots	P17	136,000	40,000		176,000
18350	Fencing - Audubon and Winters Soccer Complex	P18	140,000			140,000
18351	Pedestrian/Bike Bridges - Duck Creek	P19	545,000	45,000		590,000
18353	Carter Softball Facility Canopy Replacement	P20	180,000			180,000
18355	Cultural Arts Facilities Renovations	P22		300,000		300,000
18357	Pool UV Filter Replacement	P24			100,000	100,000
Total Park			<u>\$7,313,000</u>	<u>\$7,080,000</u>	<u>\$305,000</u>	<u>\$14,698,000</u>
Street/Transportation						
14176	New Sidewalks	ST01	\$149,000	\$1,066,000		\$1,215,000
14200	Street and Alley Petition	ST02	125,000			125,000
14202	Sidewalk / Curb & Gutter Participation	ST03	295,000	45,000		340,000
14261	Oates Road - Broadway to Rosehill	ST05	61,000	3,501,000		3,562,000
14272	Bobtown Road - Rowlett to Waterhouse	ST09	579,000	2,054,000		2,633,000
14273	Brand Road - S.H. 190 to Muirfield	ST10	20,000	30,000		50,000
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	7,636,000	4,765,000		12,401,000
14292	Pleasant Valley Road - Richfield to Miles	ST12	105,000	645,000		750,000
14301	Screen Wall Reconstruction	ST13	100,000			100,000
14302	Naaman School / Brand Alignment Study	ST14	265,000	100,000		365,000
14303	Waterhouse - Bobtown to Hayman	ST15	289,000	516,000		805,000
14305	Holford Road - PGBT to Creekwood	ST16	500,000			500,000
14306	Holford Road - Arapaho to PGBT	ST17	200,000			200,000
14309	Oates Rd. - Channel Isle to Heron's Bay #3	ST18	370,000			370,000
14311	Leon Road	ST19	44,000			44,000
15640	Operational and Safety Improvements	ST20	385,000			385,000
15219	Miscellaneous Equipment and Services	ST21	38,000			38,000
15600	New Traffic Signal Installations	ST22	194,000	200,000		394,000
15544	LED Replacement Program	ST23	5,000	50,000		55,000
15530	Traffic Control System	ST24	625,000	545,000		1,170,000
15547	Emergency Services Signal Equipment	ST25	9,000	75,000		84,000
15578	Railroad Crossing Improvements	ST26	179,000	125,000		304,000
15596	North-South Bikeway	ST27	240,000	640,000		880,000
15620	Signal Equipment Modernizations	ST28	1,047,000	1,429,000		2,476,000
15751	Train Quiet Zone	ST29	108,000			108,000
14304	LBJ Sound Wall Aesthetics	ST30	91,000			91,000
14307	Transit Pass - Bottleneck Improvements	ST31		788,000		788,000
39818	Street Reconstruction and Improvements	ST32	2,218,000	6,750,000		8,968,000
39841	Navasota Drive - Blanco Ln. to Castle Dr.	ST33			\$199,000	199,000
Total Street/Transportation			<u>\$15,877,000</u>	<u>\$23,324,000</u>	<u>\$199,000</u>	<u>\$39,400,000</u>

CIP FUND ALLOCATION BY PROJECT 2019

		Page	Existing Funding	Continuation Funding	New Project Funding	Project Total
<u>Drainage</u>						
14230	Miscellaneous Flooding	D01	\$92,000	\$2,472,000		\$2,564,000
14231	Petition Drainage	D02	413,000	931,000		1,344,000
14244	Classic and Yale	D03	90,000	198,000		288,000
14246	Parkmont Drive	D05		1,107,000		1,107,000
14248	Bridge Remediation	D06	232,000	968,000		1,200,000
	Total Drainage		<u>\$827,000</u>	<u>\$5,676,000</u>	<u>\$0</u>	<u>\$6,503,000</u>
<u>Library</u>						
19581	Facilities Upgrades	L01	\$510,000	\$90,000		\$600,000
19584/5	Central Library Life and Safety Upgrades A	L02	1,128,000			1,128,000
	Total Library		<u>\$1,638,000</u>	<u>\$90,000</u>	<u>\$0</u>	<u>\$1,728,000</u>
<u>Public Safety</u>						
12032	Fire Station No. 5	PS01	\$358,000			\$358,000
12107	Ambulance Remounts	PS04	508,000		\$682,000	1,190,000
12058	Replace Fire Apparatus	PS05	747,000		2,890,000	3,637,000
12110	Fire Health and Safety Equipment	PS07			185,000	185,000
23047	Radio System Replacement	PS08	759,000			759,000
	Total Public Safety		<u>\$2,372,000</u>	<u>\$0</u>	<u>\$3,757,000</u>	<u>\$6,129,000</u>
<u>Economic Development</u>						
10046	Land/Property Acquisition	ED01	\$27,000	\$253,000		\$280,000
10510	Downtown Street/Sidewalk/Parking Study	ED02	82,000			82,000
10027	Downtown Streetscape & Redevelopment	ED03	546,000			546,000
10034	Neighborhood Vitality Grant Program	ED05	448,000	1,063,000		1,511,000
10042	Downtown Gateways	ED06	152,000	178,000		330,000
10043	Downtown Square Design & Construction	ED07		300,000		300,000
10127	Walnut Street Pedestrian Corridor	ED10	598,000			598,000
10509	Rosehill Streetscape & Public Improvements	ED11			\$1,113,000	1,113,000
	Total Economic Development		<u>\$1,853,000</u>	<u>\$1,794,000</u>	<u>\$1,113,000</u>	<u>\$4,760,000</u>
<u>Landfill/Transfer Station</u>						
17154	Replacement of Landfill Equipment	EW01			\$2,598,000	\$2,598,000
17155	Replacement of Transfer Station Equipment	EW02	\$219,000		266,000	485,000
17162	Transfer Station Rebuild	EW03	712,000			712,000
17161	Hinton Landfill GCCS Expansion	EW04	250,000			250,000
17158	Wheel Wash Installation	EW05	210,000			210,000
17108	Addition of Automated Scales	EW06	150,000			150,000
17166	Construction of Waste Cell #8	EW07			3,114,000	3,114,000
	Total Landfill/Transfer Station		<u>\$1,541,000</u>	<u>\$0</u>	<u>\$5,978,000</u>	<u>\$7,519,000</u>

CIP FUND ALLOCATION BY PROJECT 2019

	<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	\$212,000	\$918,000	\$1,130,000
16038		Roof Replacement	MF02	925,000	500,000	1,425,000
16039		Facilities Upgrades	MF03	122,000	278,000	400,000
16057		Fire Alarm, Fire Safety and Security Systems	MF04	93,000	107,000	200,000
16062		Parking Lot Upgrades	MF05	250,000		250,000
16066		Carver Center Renovation & Safety Upgrades	MF06	1,103,000	100,000	1,203,000
16067		Carver Senior Center Renovation	MF07	139,000	250,000	389,000
Firewheel						
36530		Firewheel Golf Park Improvements	MF08	90,000	250,000	340,000
36531		Firewheel Golf Park Cart Replacements	MF09	4,000	\$375,000	379,000
Public and Media Relations						
16082		CGTV - Upgrades	MF10		605,000	605,000
Street						
39811		Infrastructure Equipment	MF11	537,000	216,000	753,000
		Total Mun. Fac. and Misc. Tax Supported		<u>\$3,475,000</u>	<u>\$2,403,000</u>	<u>\$1,196,000</u>
				<u>\$1,196,000</u>	<u>\$7,074,000</u>	
<u>Miscellaneous Revenue Supported and Internal Service</u>						
EWS Group - Delivery						
21068		Replacement of Side-Load Residential Trucks	M01	\$122,000	\$1,853,000	\$1,975,000
21069		Replacement of Recycling Truck	M02	45,000	284,000	329,000
21073		Replcmt. of Brush Tractor Trucks & Trailers	M04	134,000		134,000
21075		Replcmt. of Commercial Front-Load Truck	M05	12,000	337,000	349,000
21078		Replacement of Knuckle Boom Trucks	M06	72,000	120,000	192,000
21087		Restoration of Paint Booth	M09	130,000		130,000
21090		EWS Land Acquisition	M10		268,000	268,000
Fleet Services						
19034		Fleet Services Exterior Restoration	M11	294,000		294,000
Management Information Services						
23019		Network and Cabling Upgrades	M12		320,000	320,000
23048		Telephone System Replacement	M13	213,000	413,000	626,000
23061		Wastewater/Northern Route Fiber Replacement	M14		150,000	150,000
Stormwater Management						
39819		Stormwater Maintenance Equipment	M15	246,000	54,000	300,000
		Total Misc. Rev. Supported and Internal Service		<u>\$1,268,000</u>	<u>\$733,000</u>	<u>\$3,066,000</u>
				<u>\$3,066,000</u>	<u>\$5,067,000</u>	

CIP FUND ALLOCATION BY PROJECT 2019

		Page	Existing Funding	Continuation Funding	New Project Funding	Project Total
Water						
30190	Transmission Mains (16-Inch and Above)	W01	\$1,688,000	\$2,755,000		\$4,443,000
30191	Distribution Lines (Up to 14-Inch)	W02	3,042,000	1,515,000		4,557,000
30192	Relocation of Mains Prior to Paving	W03		4,405,000		4,405,000
30195	Relocation of Mains Prior to Storm Sewer Install.	W04	257,000			257,000
30197	Water Pump Station Rehab	W05	490,000			490,000
30205	Fire Hydrant Installation	W06	758,000			758,000
30206	Water Service Installation	W07	172,000	130,000		302,000
30207	Upgrade Undersized Water Mains	W08	527,000	1,630,000		2,157,000
30208	Water Distribution Line Replacement	W09	150,000	750,000		900,000
30213	Radio Read Water Meter Retrofit	W10	106,000	1,000,000		1,106,000
30216	Country Club/Bobtown Road Water Trans. Mains	W11	1,747,000	550,000		2,297,000
30235	Roan Road Water Transmission Main	W12	300,000	1,300,000		1,600,000
30236	Water Quality Assurance	W13	157,000			157,000
30237	Water Pump Station Emergency Generators	W14	1,815,000			1,815,000
30238	Field Operations Center	W15	250,000			250,000
30239	Sand Pit Cover	W16	120,000			120,000
Total Water			<u>\$11,579,000</u>	<u>\$14,035,000</u>	<u>\$0</u>	<u>\$25,614,000</u>
Wastewater						
Wastewater Collection						
32124	Infiltration Correction - Various	WW01		\$1,480,000		\$1,480,000
32147	Sewer Collection Mains - Manholes	WW02	\$428,000	580,000		1,008,000
32148	Sanitary Sewer Taps - New or Relocations	WW03		80,000		80,000
32149	Collection Mains	WW04		1,865,000		1,865,000
32151	Sewer Lift Station Rehab	WW05	255,000			255,000
32154	Cured-in-Place Pipe Main & Lateral Rehab	WW06		1,000,000		1,000,000
32157	Relocation of Mains Prior to Paving	WW07		5,795,000		5,795,000
32161	Rowl-I - Campbell to Shiloh	WW08	700,000			700,000
32174	Lift Station Abandonment	WW09	534,000	50,000		584,000
32181	Duck Creek Greenbelt Trail Extension	WW10	1,010,000			1,010,000
32183	Duck Creek Interceptor Rehab	WW11		220,000		220,000
32184	Rowlett Interceptor Rehab	WW12		1,115,000		1,115,000
32186	Walnut-I	WW13		175,000		175,000
32187	S.H. 190 Catalyst Area	WW14	300,000	35,000		335,000
32188	Field Operations Center	WW15	250,000			250,000
32189	Sand Pit Cover	WW16	120,000			120,000
32190	Rehab Sewer Collection Mains in Dirt Alleys	WW17			\$1,950,000	1,950,000
Wastewater Treatment						
33028	Rowlett Creek WWTP Processes Improvements	WW18	3,331,000	2,915,000		6,246,000
33029	Rowlett Creek WWTP Replacements/Mods.	WW19	2,203,000	615,000		2,818,000
34027	Duck Creek WWTP Replacements/Mods.	WW20	2,243,000	560,000		2,803,000
34038	Duck Creek WWTP Processes Improvements	WW21	3,804,000			3,804,000
33031	Rowlett Creek Operations Center Renovations	WW22	6,065,000			6,065,000
33032	Rowlett Creek Admin. Building Renovation	WW23		750,000		750,000
34040	Duck Creek WWTP Odor Control	WW24			900,000	900,000
Total Wastewater			<u>\$21,243,000</u>	<u>\$17,235,000</u>	<u>\$2,850,000</u>	<u>\$41,328,000</u>

**CIP FUND ALLOCATION
BY PROJECT
2019**

		<u>Page</u>	<u>Existing Funding</u>	<u>Continuation Funding</u>	<u>New Project Funding</u>	<u>Project Total</u>
Electric						
31387	Transmission Lines	E01	\$8,492,000	\$29,882,000		\$38,374,000
31223	Communications Upgrades/Improvements	E02	274,000	800,000		1,074,000
31240	Residential Construction	E03	816,000			816,000
31320	Commercial and Industrial Construction	E04	1,666,000	1,994,000		3,660,000
31460	Street and Thoroughfare Lighting	E05	963,000	1,777,000		2,740,000
31491	Relocation of Facilities	E06	997,000	1,528,000		2,525,000
31532	Distribution Lines - Overhead	E07	1,519,000	3,463,000		4,982,000
31551	Production	E08	485,000	779,000		1,264,000
31624	Distribution Lines - Underground	E09	3,764,000	4,974,000		8,738,000
31717	Substations Upgrades	E10	33,745,000	21,300,000		55,045,000
31875	Various Improvements	E11	118,000	560,000		678,000
Total Electric			<u>\$52,839,000</u>	<u>\$67,057,000</u>	<u>\$0</u>	<u>\$119,896,000</u>
Total			<u>\$121,825,000</u>	<u>\$139,427,000</u>	<u>\$18,464,000</u>	<u>\$279,716,000</u>

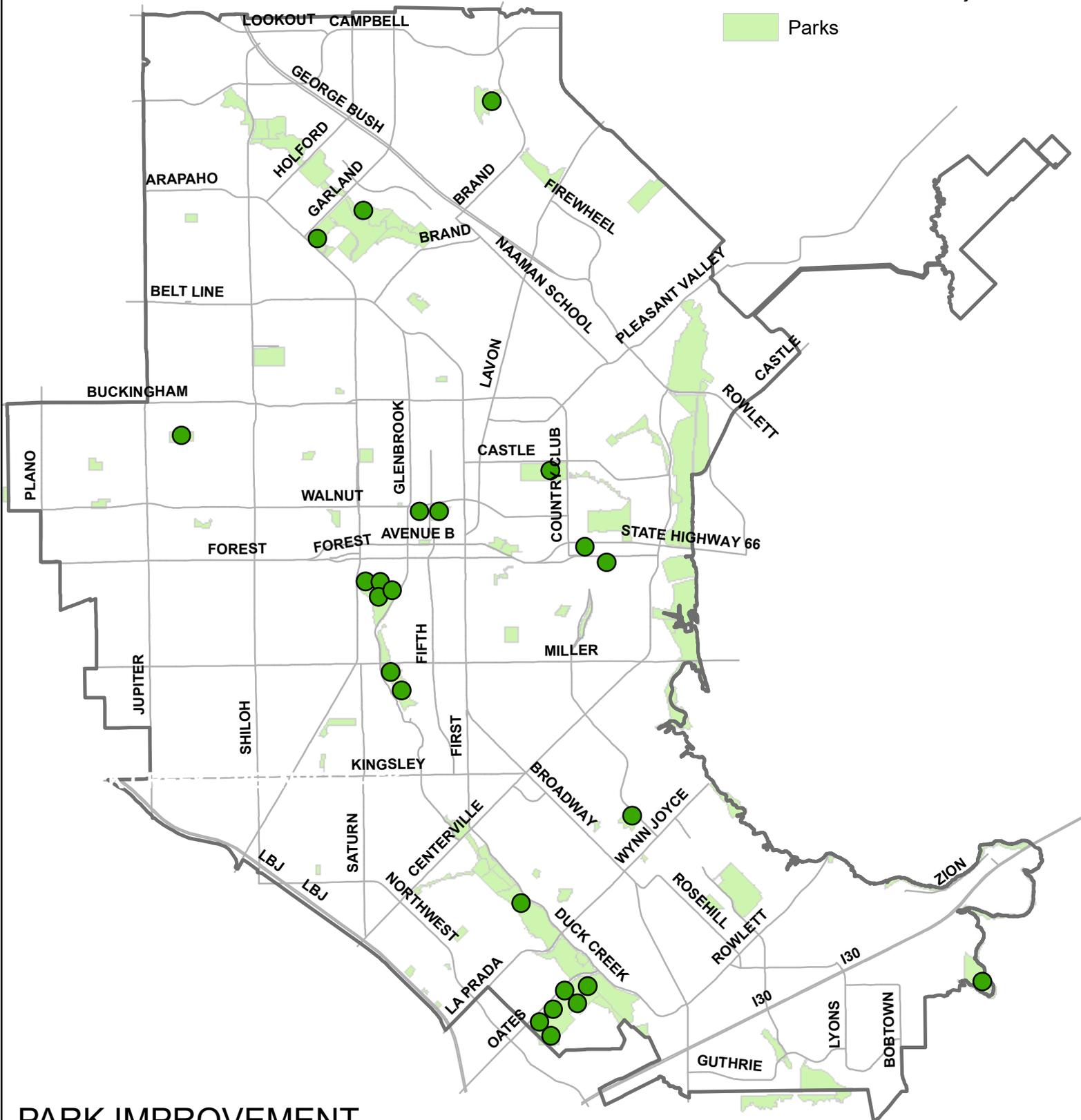
Appendix F

Maps

2019 CAPITAL IMPROVEMENT PROGRAM

Legend

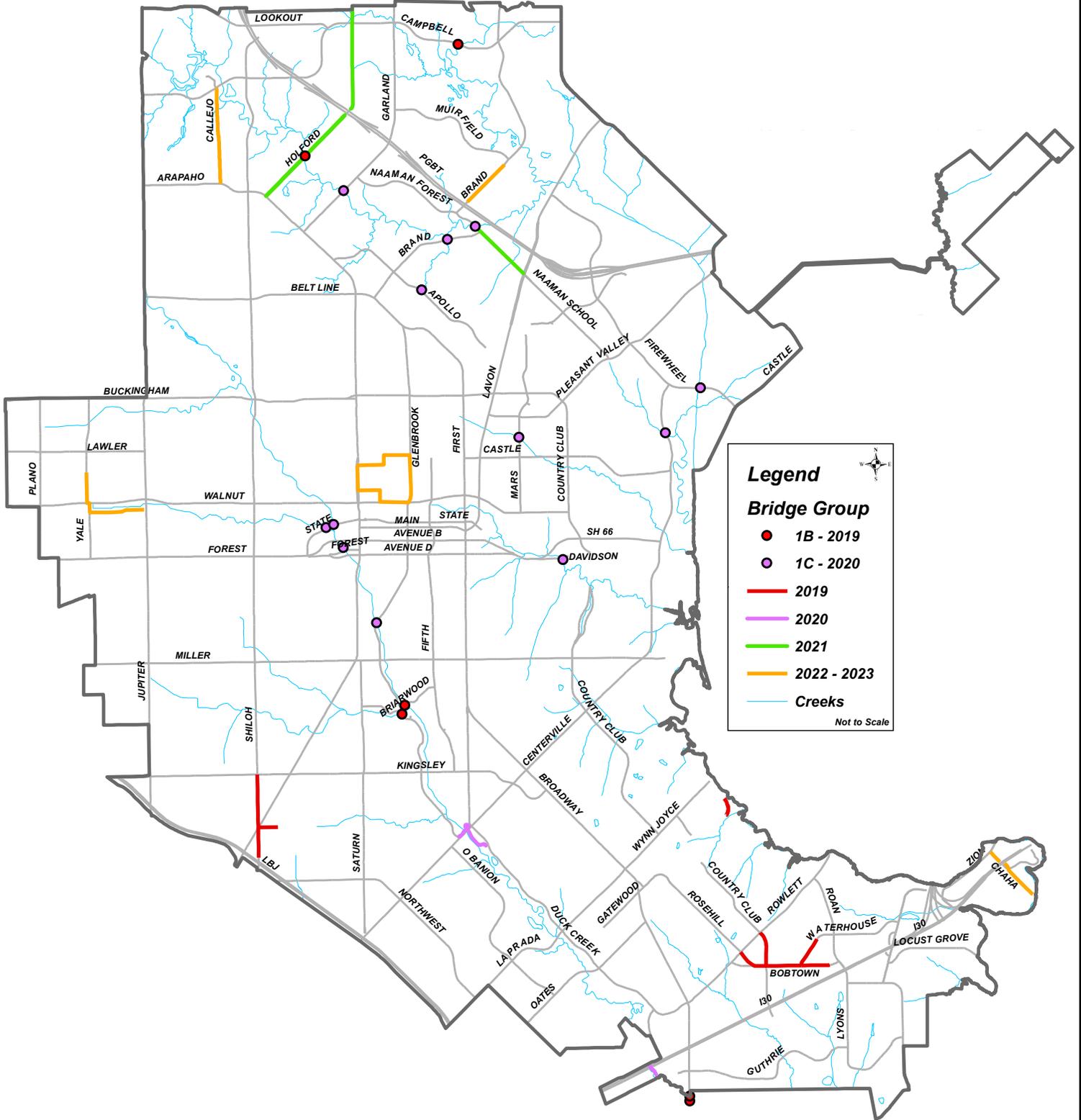
- 2019 CIP Parks Projects
- Parks



PARK IMPROVEMENT
PROJECTS

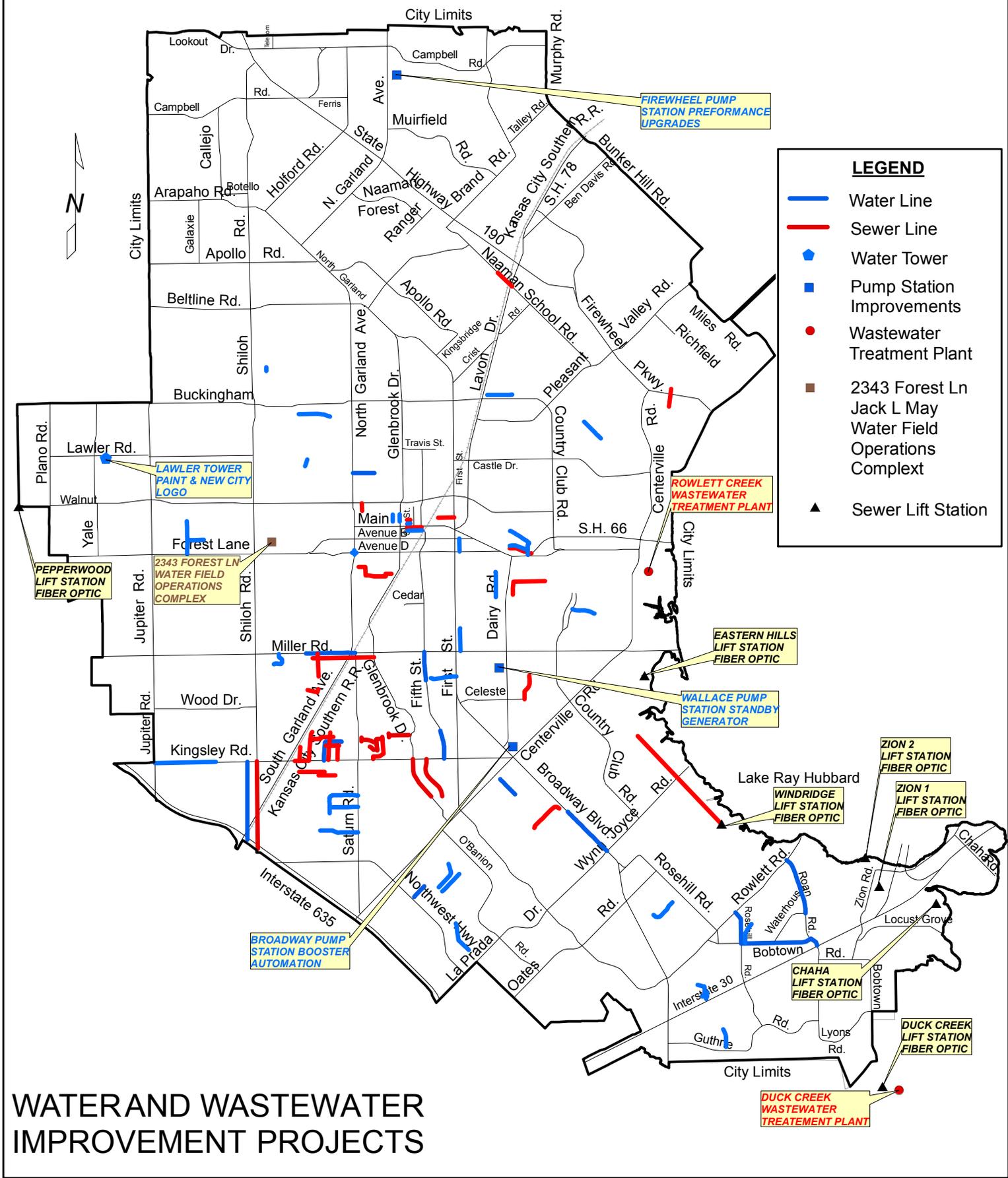


2019 ENGINEERING DEPARTMENT CAPITAL IMPROVEMENT PROGRAM 5-YEAR CONSTRUCTION PLAN



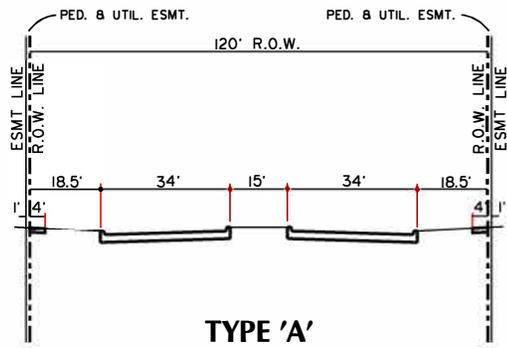
**ENGINEERING
PROJECTS**

2019 CAPITAL IMPROVEMENTS PROGRAM



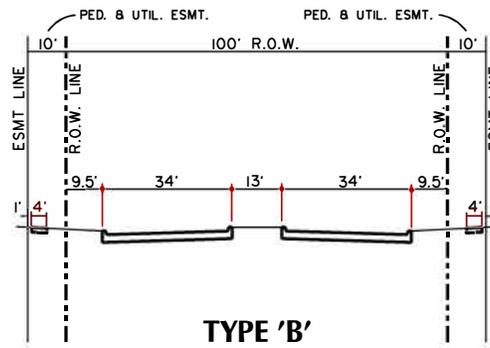
Appendix G

Roadway Classifications



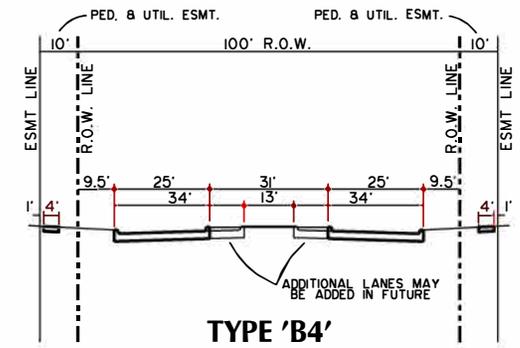
TYPE 'A'

*R.O.W. WIDTH = 120'
 *PEDESTRIAN & UTILITY EASEMENT WIDTH = 1.5'
 *VEHICLE CAPACITY: 45,000 VEHICLES PER DAY
 *DESIGN SPEED = 45 MPH



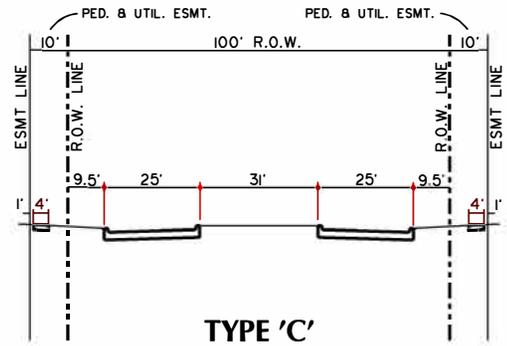
TYPE 'B'

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



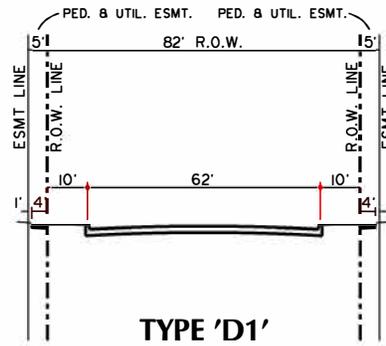
TYPE 'B4'

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



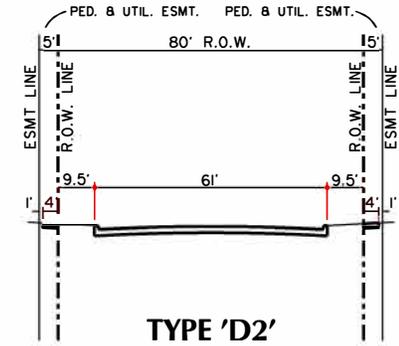
TYPE 'C'

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



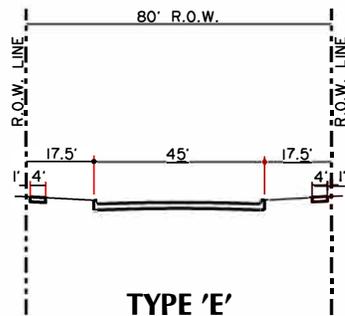
TYPE 'D1'

*R.O.W. WIDTH = 82'
 *PEDESTRIAN & UTILITY EASEMENT WIDTH = 5'
 *VEHICLE CAPACITY: 29,000 VEHICLES PER DAY
 *DESIGN SPEED = 40 MPH



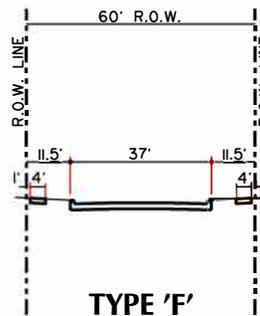
TYPE 'D2'

*R.O.W. WIDTH = 80'
 *PEDESTRIAN & UTILITY EASEMENT WIDTH = 5'
 *VEHICLE CAPACITY: 17,500 VEHICLES PER DAY
 *DESIGN SPEED = 35 MPH



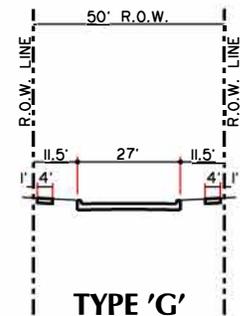
TYPE 'E'

*R.O.W. WIDTH = 80'
 *PEDESTRIAN & UTILITY EASEMENT WIDTH = 4'
 *VEHICLE CAPACITY: 17,500 VEHICLES PER DAY
 *DESIGN SPEED = 35 MPH



TYPE 'F'

*R.O.W. WIDTH = 60'
 *PEDESTRIAN & UTILITY EASEMENT WIDTH = 4'
 *VEHICLE CAPACITY: 8,000 VEHICLES PER DAY
 *DESIGN SPEED = 30 MPH



TYPE 'G'

*R.O.W. WIDTH = 50'
 *PEDESTRIAN & UTILITY EASEMENT WIDTH = 4'
 *VEHICLE CAPACITY: 5,000 VEHICLES PER DAY
 *DESIGN SPEED = 30 MPH