

City of Garland 2018 Capital Improvement Program



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2018 Capital Improvement Program

City Council



Seated, Left to Right: David Gibbons (Mayor Pro Tem), Douglas Athas (Mayor), and B.J. Williams (District 4)

Standing, Left to Right: Robert Vera (District 6), Scott LeMay (District 7), Robert John Smith (District 8), Jerry Nickerson (District 3), Rich Aubin (District 5), and Anita Goebel (District 2)

Bryan L. Bradford, City Manager

City Council

2017-18



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GARLAND, TEXAS

COMMUNITY PROFILE

General Information

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

Demographics

Garland's population totaled 226,876 in the 2010 census count with current estimates placing the population at approximately 236,786. Garland has an estimated 81,485 housing units and an employment base of approximately 125,537.

Population, Housing Units*, Employment (Estimates)

	2010	2017	Growth
Population	226,876	236,786	9,910
Housing Units	78,722	81,485	2,763
Employment	104,383	125,537	21,154

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 as 32% white, 13% African-American, 10% Asian, 4% two or more races, and 41% Hispanic/Latino (of any race). More than half of the city's adult population is educated above the high school level, with more than 20% of the population possessing a Bachelor's degree. Per a 2015 American Community Survey, the mean household income in Garland was \$68,571. Per the Dallas Central Appraisal District, the average market value for detached single-family residences in Garland for 2017 is \$160,467.

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 are a partial list of industries:

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



City Center Development in Downtown Garland

The City of Garland continues to take advantage of transit-oriented development opportunities near Garland's DART rail station. The most recent phase of mixed-use development welcomed new residents to historic Downtown Garland. This development, in partnership with Oaks Properties, LLC, added 153 apartment units next to City Hall in addition to the existing units built in 2008 at

Oaks Fifth Street Crossing. The project includes a parking structure with 330 spaces to serve the public, residential tenants, and those accessing City Hall as well as public open space adjacent to the Granville Arts Center.

The City Hall additions were completed in 2016-17. Those features include a beautiful, airy lobby extension; updated broadcast technology for the City Council meeting rooms; ADA compliance and infrastructure-related improvements; a new CGTV production studio; a re-skinned City Hall façade; and a variety of attractive streetscape and landscape additions to the exterior. The City of Garland officially rededicated City Hall on March 3, 2017, as the William E. Dollar Municipal Building. Meanwhile, design for the Economic Development Suite located on the first level of 203 North Fifth Street is under way. Construction is scheduled to be completed in early 2018.



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



Embracing Our History

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. Hardscape and landscape enhancements are scheduled for construction in 2018, which includes the addition of seven to eight Heritage Trail interpretive signs along the pedestrian paths. Patio space for outdoor seating adjacent to the commercial space on Fifth Street is also planned in the future.



Bankhead Highway

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

Tourism

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



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

Cultural Arts and Community Events

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

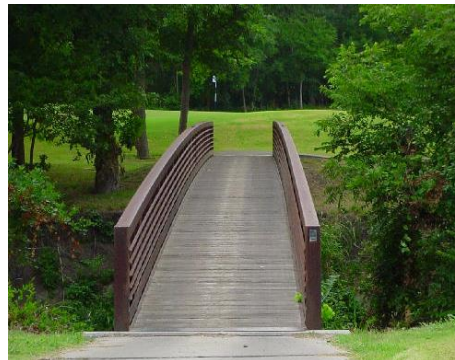


The City's Christmas on the Square continues to be a favorite community event. This holiday celebration features fun, family activities such as a traditional tree-lighting ceremony, snow hills for sledding, choir performances, and photos with Santa.

City Services

The City of Garland is comprised of more than 30 departments that provide various services to residents. The City places a high priority on public safety and maintains a force of 348 sworn Police Officers and 257 sworn Fire personnel. Garland has 11 fire stations and several public safety training facilities. Residents enjoy an abundance of recreation opportunities with 63 parks covering more than 2,500 acres as well as six recreation centers and two senior centers. Services are further enhanced with four libraries conveniently located throughout the city as well as a wealth of e-books and other online resources. Residents have access to nearly 500,000 volumes through the City's library system. Garland also is home to Firewheel Golf Park, the largest municipal golf course in Texas, with 63 holes of championship-style golf.

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



CIP MESSAGE



February 20, 2018

Honorable Mayor and City Council
City of Garland, Texas

I am pleased to present the 2018 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. In particular, the CIP details a \$291.2 million work program for the 2018 calendar year.

The tax-supported portion of the CIP totals \$85.0 million and is heavily weighted towards the Street and Transportation Program. This Program, together with funding in the 2017-18 Operating Budget, will increase street reconstruction to \$26.6 million, which more than doubles the amount committed in 2013-14. In addition, \$25.0 million is programmed for projects designed to increase street capacity and includes Oates Road, Bobtown Road, and Shiloh Road, among others. Furthermore, Pleasant Valley Road and LBJ Sound Wall Aesthetics will be completed in 2018. The 2018 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 the Dog Park and Skate Park along with renovation of the Granger Recreation Center, trail development, and a host of other improvements designed to increase the quality of life for Garland citizens. Furthermore, the CIP includes funding for the City's libraries to complete the installation of equipment with RFID technology that will allow for the efficient tracking of materials.

The 2018 CIP includes the land purchase recently made in the I.H. 30 Catalyst Area. Also, there is a continued focus on Downtown, including the Walnut Street Pedestrian Corridor, gateway and streetscape improvements, and the anticipated final expenditures related to City Center. Other projects include offices for the Economic Development Department and the Neighborhood Vitality Grant Program.

The City Utilities portion of the 2018 CIP totals \$204.7 million. Within this amount is funding for Environmental Waste Services to replace 14 pieces of the collection fleet and five new pieces of equipment. The Water Utility will replace a 25-year-old emergency generator at the Wallace Pump Station and continue to enhance transmission mains and distribution lines throughout the city. The Wastewater Utility will focus primarily on enhancing and modernizing the Rowlett and Duck Creek Wastewater Treatment Plants and coordinating with the Street Department on the relocation of mains prior to paving.

The largest portion in the Utility component of the CIP is the \$134.4 million for Garland Power & Light (GP&L) infrastructure. Of that total Program, the Houston Import transmission project is the largest element and is a joint venture project with Cross Texas Transmission that will provide GP&L with additional transmission revenue each year in excess of the costs related to the line.

Finally, the Internal Service Program totals \$1.5 million and includes continuation of the telephone system replacement, fuel tank automation, and upgrading of the City network and cabling.

Debt Issuance

The \$291.2 million CIP will require the issuance of \$32.9 million in tax-supported debt, consisting of \$4.7 million in General Obligation (GO) authorized Commercial Paper and \$28.2 million in Certificates of Obligation (COs). The Utility and Internal Service Programs will require debt issuance totaling \$104.1 million, which includes \$5.0 million in COs and \$99.1 million in Revenue Bond authorized Commercial Paper.

Tax and Utility Rate Impacts

No increase in the Property Tax Rate for fiscal year 2018-19 is anticipated to fund the CIP Budget. The 2018 CIP is, however, projected to contribute a modest amount toward the rate increases already anticipated for Water and Wastewater in FY 2018-19. The 2018 CIP also accounts for approximately 78 cents of the Environmental Waste Services' residential trash collection rate increase projected for FY 2018-19. No rate increase for GP&L customers is expected in association with that Utility's 2018 CIP Program.

I believe the 2018 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,

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

Bryan L. Bradford
City Manager

OVERVIEW

CAPITAL IMPROVEMENT PROGRAM

INTRODUCTION

MAJOR SECTIONS

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

- (I) Overview – Background
- (II) Overview – Narrative Summary of CIP
- (III) Debt Allocation
- (IV) 2017 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 2018 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.

2017 CIP STATUS

The 2017 CIP Status section is divided into three parts. The first shows the completion rate of the 2017 CIP for each program area. The second reflects each project included in the 2017 CIP, the completion date estimated at the time the CIP was adopted, and the revised completion date as submitted by departments in October 2017. The third provides a schedule, by project, of estimated outstanding expenditures of funds from the 1991, 1997, and 2004 Bond Referendums.

PROGRAM SECTIONS

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

APPENDICES

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

BACKGROUND INFORMATION

Capital Improvement Program

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

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

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

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

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

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

While a separate document, the CIP is linked to the Operating Budget in that many projects, once completed, will have ongoing costs for staffing and maintenance. These ongoing expenditures are budgeted through the City's Annual Operating Budget. Each 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 2017-18 Ad Valorem Tax Rate of 70.46 cents per \$100 of valuation, 31.06 cents or 44% is dedicated to Tax-Supported Debt Service.

2017-18 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*.

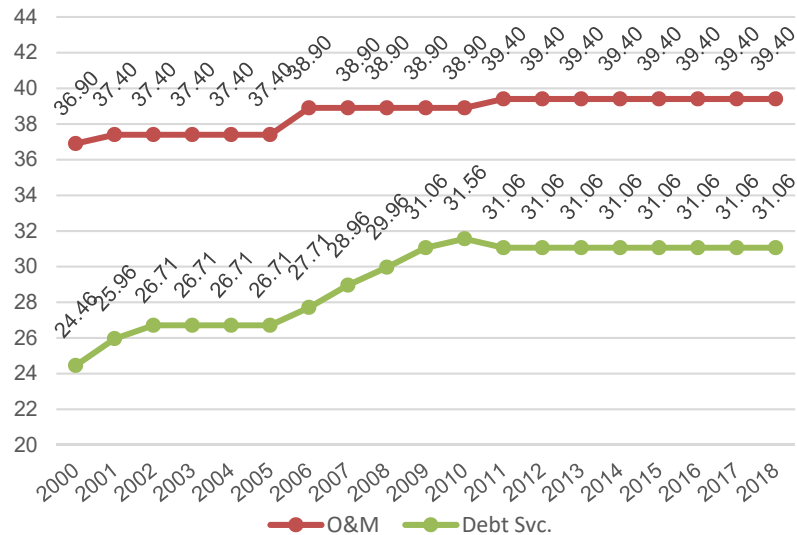
Detailed schedules reflecting the remaining 1997 and 2004 Bond projects are in the 2017 CIP Status section of the CIP. These schedules indicate the funding and estimated date of completion for each project. Similar information is also included for the remaining projects authorized in the 1991 Bond Referendum.

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

Tax Rate Impact of Bond Programs

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

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



2018 CAPITAL IMPROVEMENT PROGRAM OVERVIEW

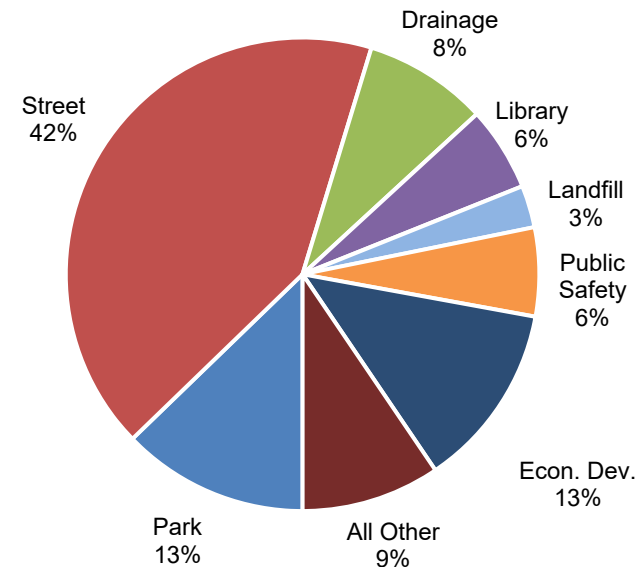
2018 Program Expenditures

The 2018 CIP totals \$291.2 million and includes the following program areas and expenditure amounts:

<u>Program Areas</u>	<u>Expenditures</u>
Tax-Supported Programs:	
(1) Park	\$ 10,856,000
(2) Street/Transportation	35,661,000
(3) Drainage	7,202,000
(4) Library	4,898,000
(5) Landfill/Transfer Station	2,448,000
(6) Public Safety	5,156,000
(7) Economic Development	10,750,000
(8) Facilities and Miscellaneous	8,068,000
Total Tax-Supported	<u>85,039,000</u>
Internal Service Programs:	
(1) Information Technology	813,000
(2) Fleet Services	697,000
Total Internal Service	<u>1,510,000</u>
Utility Programs:	
(1) Stormwater Management	1,131,000
(2) Environmental Waste Svcs.	4,013,000
(3) Water	24,838,000
(4) Wastewater	40,299,000
(5) Electric	134,421,000
Total Utility-Supported	<u>204,702,000</u>
Total 2018 CIP	<u><u>\$291,251,000</u></u>

The 2018 CIP reflects a decrease of approximately \$1.9 million (0.7%) from the 2017 Capital Budget of \$293.1 million. The Tax-Supported program increased by \$20.3 million (31.4%) from the 2017 Capital Budget of \$64.7 million. Of the total \$85.0 million in Tax-Supported programs, \$17.6 million (20.7%) is related to 1991, 1997, and 2004 Bond projects funded from authorized debt.

2018 Tax-Supported Programs



2018 CIP Funding Sources

Of the total \$291.2 million 2018 CIP, \$134.1 million (46.0%) is carry-over from previous Capital Budgets, \$142.6 million (49.0%) represents additional funding for projects begun in prior years, and \$14.5 million (5.0%) is related to projects being initiated for the first time in 2018. Funding the 2018 CIP work program will require new debt issuance of \$137.0 million compared to \$163.8 million in 2017. Of the \$137.0 million, \$103.6 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 2018 CIP
Current Funds:				
Cash Available	\$32,114,000	\$1,060,000	\$ 14,405,000	\$ 47,579,000
Intergovernmental Participation	6,847,000			6,847,000
Total Cash and Transfers	<u>38,961,000</u>	<u>1,060,000</u>	<u>14,405,000</u>	<u>54,426,000</u>
Debt Issuances:				
Prior-Year Approved Commercial Paper (CP)	<u>13,143,000</u>	<u>0</u>	<u>86,700,000</u>	<u>99,843,000</u>
1997 GO Bonds (CP)				
2004 GO Bonds (CP)	4,752,000			4,752,000
2018 Certificates of Obligation (COs)	28,183,000	450,000	4,484,000	33,117,000
2018 Electric (CP)			65,038,000	65,038,000
2018 Water & Wastewater (CP)			34,075,000	34,075,000
Sub-Total New Debt Issuance	<u>32,935,000</u>	<u>450,000</u>	<u>103,597,000</u>	<u>136,982,000</u>
Total 2018 CIP Funding	<u>\$85,039,000</u>	<u>\$1,510,000</u>	<u>\$204,702,000</u>	<u>\$291,251,000</u>
Project Allocations:				
Existing Funding for Previously Approved	\$45,782,000	\$1,060,000	\$ 87,291,000	\$134,133,000
Continuation Funding for Previously Approved	30,607,000	250,000	111,772,000	142,629,000
Funding for New Projects	<u>8,650,000</u>	<u>200,000</u>	<u>5,639,000</u>	<u>14,489,000</u>
Total 2018 CIP	<u><u>\$85,039,000</u></u>	<u><u>\$1,510,000</u></u>	<u><u>\$204,702,000</u></u>	<u><u>\$291,251,000</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 2018 CIP.

Anticipated 2018-19 Debt Service Tax Rate (Cents per \$100 Valuation)

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

The Tax Rate will not actually be set by the City Council until September 2018 as part of the adoption of the Annual Operating Budget.

Utility Rate Impacts and Projections

Water – Commercial Paper issuances of \$12.5 million are required to fund the 2018 Water Utility CIP and equate to approximately a 2% increase in Water rates. The total rate increase anticipated for FY 2018-19 is 10% due to increased costs for water purchases from the North Texas Municipal Water District (NTMWD) and increased costs to maintain and improve the water infrastructure.

Wastewater – Commercial Paper issuances of \$21.6 million are required to fund the 2018 Wastewater Utility CIP. Of the total Wastewater rate increase projected at 3.0% for FY 2018-19, the impact of the 2018 CIP is 1.5%. 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 \$65.0 million are required to fund the 2018 Electric Utility CIP program. No direct rate impact is anticipated to customers in FY 2018-19 as a result of the 2018 CIP.

Environmental Waste Services (EWS) - Delivery – A CO debt issue of \$3.4 million to fund the replacement of aging EWS - Delivery equipment will require approximately \$747,000 in new Debt Service payments for FY 2018-19. Of the total rate increase for EWS – Delivery projected at 10.2% for FY 2018-19, the impact of the 2018 CIP is 4.0%.

Stormwater Management – A CO debt issue of \$1,131,000 to fund the replacement of aging equipment needed to maintain drainageways will require approximately \$243,000 in new Debt Service payments for FY 2018-19, which is not anticipated to impact residential rates in FY 2018-19.

Program Overviews

The following sections include an overview of the 2018 projects in each of the program areas.

Park – \$10,856,000

Projects to start or continue construction in 2018 include the Granger Recreation Center renovation, Dog Park, Skating/Skateboard Facility, Windsurf Bay Park improvements, fencing for the Audubon and Winters Soccer Complexes, pedestrian/bike bridges at Duck Creek, Carter Softball Facility canopy replacement, and Greenbelt drainage improvements.

A new project in 2018 is the cultural arts facilities renovation to address needs at the Granville Arts Center and the Plaza Theatre.

The Atrium Renovations and the Granville Arts Center art sculpture will be completed in 2018 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 – \$35,661,000

Street/Transportation projects expected to begin construction in 2018 include Oates Road - Broadway to Rosehill, Bobtown Road - Rowlett to Waterhouse, Shiloh Road - I.H. 635 to Kingsley, Waterhouse - Bobtown to Hayman, and Oates Road - Channel Isle to Heron's Bay #3.

New projects in 2018 include the design and land acquisition of Leon Road - Shiloh Road to South Garland Avenue and several CDBG-funded street reconstruction projects: Linda Drive - Cumberland Drive to Dairy Road, High Hollow Drive - High Grove to High Mesa, Freemont Drive - Miller to Southwood, and Alto Drive - Curtis Drive to Dairy Road.

Projects scheduled for completion in 2018 include Pleasant Valley Road - Richfield to Miles and LBJ Sound Wall Aesthetics.

Ongoing Street/Transportation programs to be continued in 2018 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 2018.

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

Drainage – \$7,202,000

The Drainage program for 2018 includes funding for the continuation of the petition and local flooding programs as well as bridge remediation.

In addition, construction is continuing on drainage improvements in the area of Parkmont Drive, and the Downtown Drainage Improvements will be completed in 2018 as part of the Downtown Redevelopment Program.

Library – \$4,898,000

The 2018 Library CIP program includes funding for the installation of Radio Frequency Identification Delivery (RFID) inventory control and asset management equipment at all City libraries. The RFID Service Delivery project will be completed in 2018 as well as the Central Library Life and Safety Upgrades.

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

Public Safety – \$5,156,000

Public Safety projects in 2018 include ambulance remounts, two new ambulances, the replacement of fire apparatus, and the completion of the new Fire Station No. 5 project.

Also included in the 2018 Public Safety program is the completion of the implementation and construction of a new P25 standard radio system to be used by Police, Fire, and other City departments.

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

Economic Development – \$10,750,000

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.

A land acquisition in 2018 of an undeveloped area furthers the vision of the I.H. 30 - Rose Hill Catalyst Area Plan.

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

Other Downtown improvement projects included in the 2018 CIP are initial design work related to constructing 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 completion of the City Center Development project in 2018, and the construction of the offices for the Economic Development Department in Downtown Garland.

Municipal Facilities and Misc. Tax Supported – \$8,068,000

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

The 2018 program includes the completion of renovations and foundation repair to the Carver 3 building, the code and safety updates to City Hall, and a new project for the renovation of the Carver Senior Center.

Firewheel Golf Park is implementing a five-year replacement plan for golf carts. The 2018 CIP includes the replacement of 100 golf carts at the Bridges Golf Course as well as 10 electric carts and 10 gas-powered maintenance carts. Firewheel is also replacing 4 heavy-duty utility vehicles for golf course maintenance and tournament use.

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 – \$6,654,000

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

Active projects that will be continued in 2018 include telephone system replacement, fuel tank automation and monitoring, and upgrading network and cabling at various City facilities.

Also, the renovation of the Fleet Services facility is scheduled to be completed in 2018 as well as a new project to address the exterior restoration of the Fleet Services workshops.

In addition, the 2018 CIP includes the replacement of one backhoe loader for a street sweeper, two 12-yard dump trucks, two wheel loaders in the Stormwater Management operations, and 14 pieces of equipment used in the Environmental Waste Services (EWS) - Delivery operations. The equipment requested for EWS includes two residential side-loaders, two side-load recycling collection trucks, four brush trailers, two commercial front-load trucks, two knuckle boom trucks, a front-load container carrier truck, and a Bobcat skid loader. These pieces of equipment are beyond their useful lives and are requiring excessive ongoing repair and maintenance costs.

Also included in the 2018 CIP for EWS - Delivery is five new pieces of equipment including one side-load refuse truck, two brush tractor trucks and two brush trailers; and a new project in the 2018 CIP is the restoration of a paint booth used for the refurbishment of commercial front-load containers.

Landfill/Transfer Station – \$2,448,000

The 2018 Landfill/Transfer Station program includes the replacement of one 836k compactor used to compact, handle, transport, and apply cover to refuse at the Hinton Landfill. This critical piece of equipment are past its useful lives and requires extensive maintenance to keep operational.

A new project in 2018 is the addition of an automated weight scale system at the Hinton Landfill. Also planned in 2018 is completion of the Hinton Landfill wheel wash system replacement.

In addition, the Transfer Station Rebuild will be completed in 2018 as well as the leachate discharge system upgrades and the expansion of the Hinton Landfill gas collection and control system.

Water – \$24,838,000

The 2018 Water CIP includes the completion of the West Pressure Plane Improvements project that contains a 2.5-million-gallon elevated storage tank in Southwest Garland. Also included is continuation funding for transmission mains, water distribution line construction, relocation of mains prior to paving, replacement of water pump station equipment, fire hydrant installations, enhancements to meet water quality assurance requirements, and radio read water meter installation.

New projects in 2018 include replacement of the Wallace Pump Station emergency generator along with the assessment and rehabilitation of four other emergency generators to enhance service reliability; a new Field Operations Center to replace aging structures and house managers and crews in a single location to facilitate efficiencies, training, and communications; and a cover needed to protect existing sand and base pits from heavy rains. The cost of both the Field Operations Center and Sand Pit Cover will be split evenly with Wastewater.

Wastewater – \$40,299,000

The Wastewater program for 2018 includes infiltration correction, sewer collection mains, cured-in-place pipe main and lateral rehabilitation, relocation of mains prior to paving, lift station abandonment, and improvements at both the Rowlett Creek and Duck Creek Wastewater Treatment Plants. Wastewater Treatment Plant improvements continue to make up a majority of the funding for 2018 and will focus on biosolids rehabilitation and odor abatement at the Rowlett Creek Treatment Plant. A significant portion of the work to be completed in Wastewater is required in order to comply with State and Federal environmental regulations.

New projects in the 2018 CIP include relocation of an existing 18-inch sanitary sewer interceptor that follows the Keen Branch Drainage Creek as well as renovations at the Rowlett Creek Operations Center and Administration Building. Also new for 2018 is a new Field Operations Center to replace aging structures and house managers and crews in a single location to facilitate efficiencies, training, and communications, as well as a cover needed to protect existing sand and base pits from heavy rains. The cost of both the Field Operations Center and Sand Pit Cover will be split evenly with Water.

Electric – \$134,421,000

The 2018 Electric CIP includes construction of transmission lines, substations, overhead and underground distribution lines, street and thoroughfare lighting, residential construction, communications upgrades, commercial and industrial construction, relocation of facilities, and production construction and upgrades.

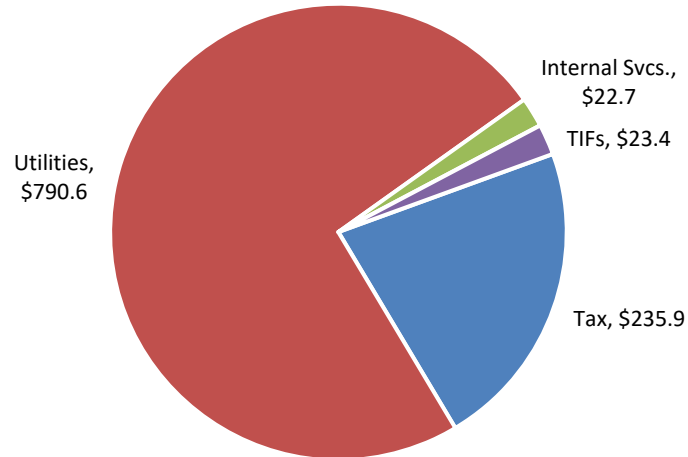
A substantial portion of funding for the 2018 Electric CIP program is associated with the construction of approximately 70 miles of 345 kV transmission line from Limestone to Gibbons Creek (Houston Import Project). This project is a joint venture with Cross Texas Transmission and will allow Garland Power & Light (GP&L) to receive additional transmission revenue from Electric Reliability Council of Texas ratepayers. Also included is funding to continue upgrades to existing facilities and construction of new substations and associated transmission and distribution improvements needed around the President George Bush Turnpike area to serve increased load demands. The 2018 CIP also includes funding to address various transmission congestion issues as well as continued funding of the GP&L LED Street Light Conversion Program and Distribution Overhead and Underground Replacement Programs.

OUTSTANDING DEBT

Total Outstanding Debt

Including the issuances for the 2018 CIP, Garland's total outstanding debt is projected to be \$1.1 billion by the end of FY 2017-18. Of this amount, \$235.9 million is tax-supported, \$2.2 million by the Downtown TIF, and eventually, \$21.1 million is to be supported by the I.H. 30 TIF. The remaining \$813.3 million is supported by the Utilities and Internal Service Funds.

Projected Outstanding Debt (In Millions)



Projected Outstanding Debt FYE 2017-18

Tax-Supported Debt:

General Obligation Bonds	\$ 135,765,000
Certificates of Obligation	81,318,000
Commercial Paper	18,819,000
Total Tax-Supported Debt	<u>235,902,000</u>

TIF-Supported Debt - Harbor Point	<u>21,140,000</u>

TIF-Supported Debt - Downtown	<u>2,245,000</u>

Total Tax-Supported & TIF Debt	<u>\$ 259,287,000</u>

Revenue-Supported Debt:

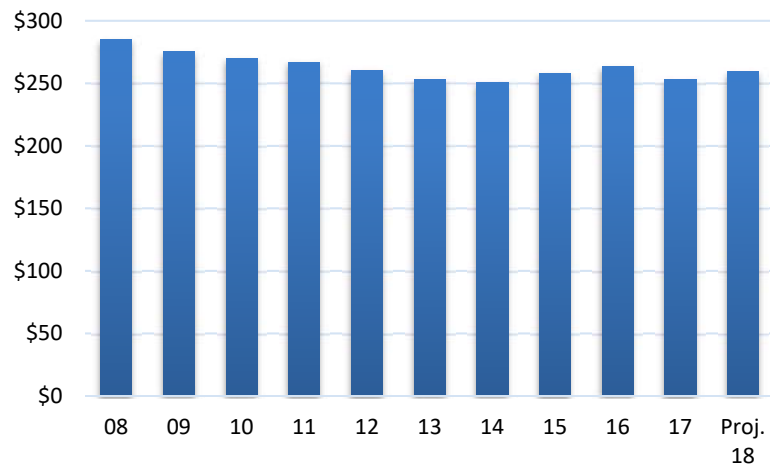
General Obligation Bonds	\$ 23,105,000
Certificates of Obligation	174,354,000
Revenue Bonds	441,850,000
Commercial Paper	174,038,000
Total Revenue-Supported Debt	<u>\$ 813,347,000</u>

Total Projected Outstanding Debt	<u><u>\$1,072,634,000</u></u>

Tax-Supported and TIF-Supported Outstanding Debt

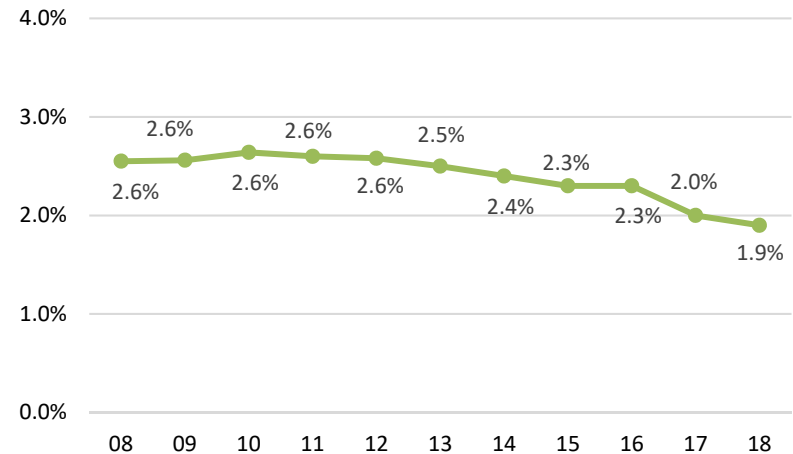
Assuming no project delays, long-term tax-supported and TIF-supported debt is projected to be \$259.3 million by the end of FY 2017-18. This reflects a decrease of \$25.4 million (8.9%) since 2008 due mostly to the decline in the tax base and elongation of the Bond Programs experienced during the recession.

Historical Tax-Supported Debt Levels
(In Millions)

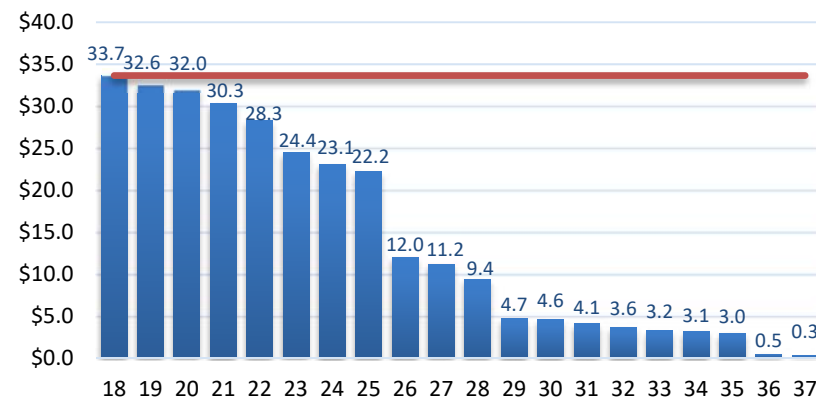


While the State of Texas does not place a debt limitation on Home-Rule cities, Council financial policies restrict tax-supported debt to 5% of the assessed valuation of taxable property. Projected tax-supported long-term debt equates to 1.9% of Garland's 2017 estimated tax base, which is well below the 5% limitation.

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

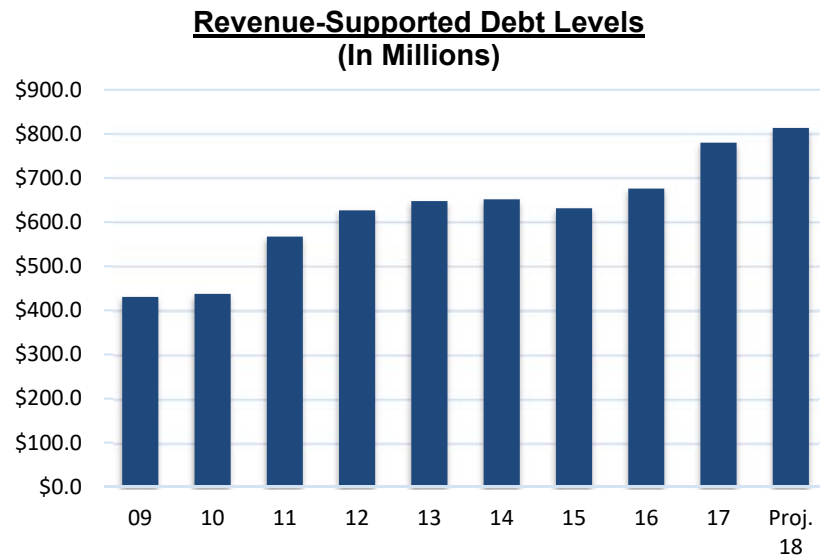


Existing Long-Term Tax-Supported Debt Service
(In Millions)



Revenue-Supported Outstanding Debt

Revenue-supported debt is projected to reach \$813.3 million by the end of FY 2017-18. This reflects an increase of \$383.1 million (89.1%) 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 2017-18 and the change in outstanding obligations from ten years ago for each area.

Projected Revenue-Supported Outstanding Debt

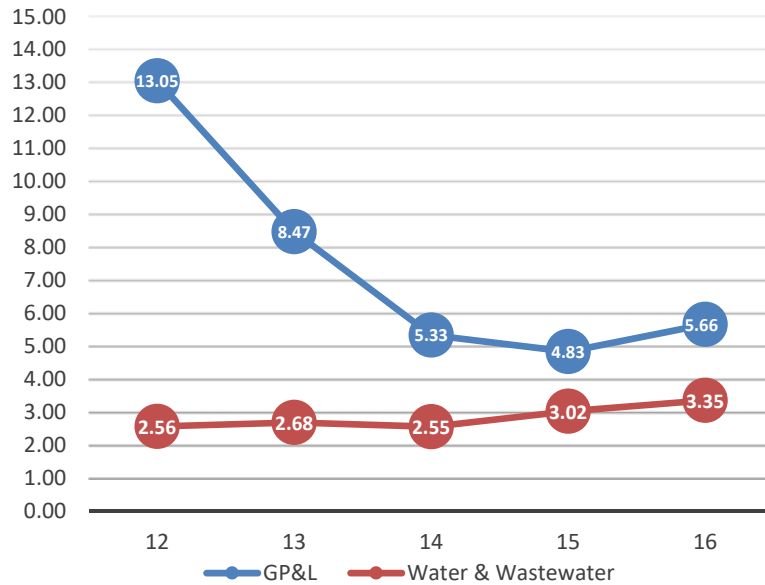
FYE 2017-18
(In Millions)

	Projected Outstanding Debt	Change from 2009
Electric Utility	\$540.3	\$374.3
Water Utility	102.2	28.3
Wastewater Utility	135.0	(18.5)
Env. Waste Svcs. - Delivery	11.0	7.7
Stormwater Management	2.1	2.1
Internal Service	22.7	(10.8)
Totals	<u>\$813.3</u>	<u>\$383.1</u>

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

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

**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)

	2018	2019	2020	2021	2022	2023 to Completion	Total Expenditures
Tax-Supported							
Park	\$ 10,856	\$ 10,541	\$ 5,195	\$ 3,390	\$ 5,905	\$ 9,302	\$ 45,189
Street	35,661	31,973	29,252	23,516	21,430	38,390	180,222
Drainage	7,202	4,543	528	350	2,138	6,571	21,332
Library	4,898	-	-	-	-	-	4,898
Public Safety	5,156	4,168	725	3,618	800	16,024	30,491
Landfill	2,448	3,326	2,497	1,525	3,148	-	12,944
Economic Development	10,750	2,552	5,784	2,584	458	5,150	27,278
Municipal Facilities/Miscellaneous	8,068	3,264	2,150	2,050	2,140	775	18,447
Total Tax-Supported	<u>\$ 85,039</u>	<u>\$ 60,367</u>	<u>\$ 46,131</u>	<u>\$ 37,033</u>	<u>\$ 36,019</u>	<u>\$ 76,212</u>	<u>\$ 340,801</u>
Revenue-Supported							
Miscellaneous	\$ 6,654	\$ 3,719	\$ 3,645	\$ 4,370	\$ 3,987	\$ 401	\$ 22,776
Water	24,838	13,811	16,260	11,575	11,475	-	77,959
Wastewater	40,299	32,906	22,410	19,655	30,350	99,555	245,175
Electric	134,421	66,618	46,332	31,497	18,787	-	297,655
Total Revenue-Supported	<u>\$ 206,212</u>	<u>\$ 117,054</u>	<u>\$ 88,647</u>	<u>\$ 67,097</u>	<u>\$ 64,599</u>	<u>\$ 99,956</u>	<u>\$ 643,565</u>
 Total CIP Expenditures	 <u>\$ 291,251</u>	 <u>\$ 177,421</u>	 <u>\$ 134,778</u>	 <u>\$ 104,130</u>	 <u>\$ 100,618</u>	 <u>\$ 176,168</u>	 <u>\$ 984,366</u>

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

	2018	2019	2020	2021	2022	2023 to Completion	Total Debt
Tax-Supported							
General Obligation Debt							
Park	\$ 550	\$ 2,590	\$ 220	\$ 1,005	\$ 1,604	\$ 5,999	\$ 11,968
Street	2,625	9,330	2,000	8,877	1,827	37,882	62,541
Drainage	1,035	-	362	350	2,138	4,371	8,256
Public Safety	-	-	-	-	-	1,025	1,025
Economic Development	542	1,578	734	156	-	4,790	7,800
Total Taxable GO	\$ 4,752	\$ 13,498	\$ 3,316	\$ 10,388	\$ 5,569	\$ 54,067	\$ 91,590
Tax-Supported							
Certificate of Obligation							
Park	\$ 3,840	\$ 7,401	\$ 4,975	\$ 2,385	\$ 4,301	\$ 3,303	\$ 26,205
Street	12,875	13,215	20,706	13,639	19,603	400	80,438
Drainage	1,624	3,337	-	-	-	2,200	7,161
Library	1,100	-	-	-	-	-	1,100
Public Safety	3,389	4,168	725	3,618	800	14,999	27,699
Economic Development	404	866	5,050	2,428	458	-	9,206
Municipal Facilities/Miscellaneous	3,599	2,681	1,900	2,012	2,140	775	13,107
Landfill/Transfer Station	1,352	3,326	2,497	1,525	3,148	-	11,848
Total Taxable CO	\$ 28,183	\$ 34,994	\$ 35,853	\$ 25,607	\$ 30,450	\$ 21,677	\$ 176,764
Revenue Bond/Commercial Paper							
Water	\$ 12,500	\$ 13,530	\$ 16,260	\$ 11,575	\$ 11,475	\$ -	\$ 65,340
Wastewater	21,575	32,155	22,270	19,555	30,350	99,555	225,460
Electric	65,038	66,618	46,332	31,497	18,787	-	228,272
Total Revenue Bond	\$ 99,113	\$ 112,303	\$ 84,862	\$ 62,627	\$ 60,612	\$ 99,555	\$ 519,072
Revenue							
Certificate of Obligation							
MIS	\$ 100	\$ 558	\$ 588	\$ 463	\$ -	\$ -	\$ 1,709
Fleet Services	350	-	-	-	-	-	350
Env. Waste Svcs. - Delivery	3,353	2,631	2,557	3,407	3,487	401	15,836
Stormwater Management	1,131	500	500	500	500	-	3,131
Total Revenue CO	\$ 4,934	\$ 3,689	\$ 3,645	\$ 4,370	\$ 3,987	\$ 401	\$ 21,026
Total Debt Issuance	\$ 136,982	\$ 164,484	\$ 127,676	\$ 102,992	\$ 100,618	\$ 175,700	\$ 808,452

DEBT ALLOCATION

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

			APPROVED		Bond/Commercial Paper Sales						
PROGRAM	TOTAL BONDS AUTHORIZED	BONDS/CP ISSUED	COMMERCIAL PAPER ISSUE	AUTHORIZATION OUTSTANDING	2018	2019	2020	2021	2022	2023 to Completion	Total
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	3,328	11,968	550	2,590	220	1,005	1,604	5,999	11,968
TOTAL PARK/CULTURAL ARTS	\$42,634	\$25,947	\$4,719	\$11,968	\$550	\$2,590	\$220	\$1,005	\$1,604	\$5,999	\$11,968
Street 1991	\$42,497	\$42,415	\$82	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Street 1997	72,210	69,061	2,890	259	0	0	0	0	0	259	259
Street 2004	113,370	48,252	2,836	62,282	2,625	9,330	2,000	8,877	1,827	37,623	62,282
TOTAL STREET	\$228,077	\$159,728	\$5,808	\$62,541	\$2,625	\$9,330	\$2,000	\$8,877	\$1,827	\$37,882	\$62,541
Drainage 1997	\$10,570	\$10,503	\$67	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Drainage 2004	28,000	15,610	4,134	8,256	1,035	0	362	350	2,138	4,371	8,256
TOTAL DRAINAGE	\$38,570	\$26,113	\$4,201	\$8,256	\$1,035	\$0	\$362	\$350	\$2,138	\$4,371	\$8,256
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	0	0	0	1,025	1,025
TOTAL PUBLIC SAFETY	\$40,066	\$38,784	\$257	\$1,025	\$0	\$0	\$0	\$0	\$0	\$1,025	\$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	\$1,126	\$6,880	\$542	\$1,578	\$734	\$156	\$0	\$3,870	\$6,880
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	\$18,771	\$91,590	\$4,752	\$13,498	\$3,316	\$10,388	\$5,569	\$54,067	\$91,590
Total 1991	\$54,867	\$54,652	\$215	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total 1997	126,080	121,213	4,608	259	0	0	0	0	0	259	259
Total 2004	223,745	118,466	13,948	91,331	4,752	13,498	3,316	10,388	5,569	53,808	91,331
TOTAL	\$404,692	\$294,331	\$18,771	\$91,590	\$4,752	\$13,498	\$3,316	\$10,388	\$5,569	\$54,067	\$91,590

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

PROGRAM	2018	2019	2020	2021	2022	2023 to Completion	Total
Tax Supported							
Drainage	\$1,624	\$3,337	\$0	\$0	\$0	\$2,200	\$7,161
Economic Development	404	866	5,050	2,428	458	0	9,206
Landfill	1,352	5,059	2,497	1,525	3,814	1,407	15,654
Library	1,100	0	0	0	0	0	1,100
Municipal Facilities	3,599	2,681	1,900	2,012	2,140	775	13,107
Park	3,840	7,401	4,975	2,385	4,301	3,303	26,205
Public Safety	3,389	6,113	6,994	12,704	9,540	14,999	53,739
Street	12,875	13,215	20,706	14,639	25,603	6,400	93,438
Total Tax Supported	\$28,183	\$38,672	\$42,122	\$35,693	\$45,856	\$29,084	\$219,610
Internal Service							
Fleet Services	\$350	\$0	\$0	\$0	\$0	\$0	\$350
Management Information Services	100	558	588	463	0	0	1,709
Total Internal Service	\$450	\$558	\$588	\$463	\$0	\$0	\$2,059
Utilities							
EWS	\$3,353	\$2,631	\$2,557	\$3,407	\$3,487	\$401	\$15,836
Stormwater Management	1,131	500	500	500	500	0	3,131
Total Utilities	\$4,484	\$3,131	\$3,057	\$3,907	\$3,987	\$401	\$18,967
TOTAL ESTIMATED CO ISSUE	\$33,117	\$42,361	\$45,767	\$40,063	\$49,843	\$29,485	\$240,636

2018 CERTIFICATE OF OBLIGATION ISSUE

Park/Cultural Arts

Granger Recreation Center & Annex Renovation	\$1,183,000
Skating/Skateboard Facility	590,000
Repaving of Parking Lots for Parks Department	665,000
Dog Park	700,000
Park Lighting Improvements - Parking Lots	40,000
Greenbelt Drainage Improvements	480,000
Cultural Arts Facilities Renovations	182,000

Total Park / Cultural Arts	<u>\$3,840,000</u>

Street

Pleasant Valley Road - Richfield to Miles	\$3,455,000
Waterhouse - Bobtown to Hayman	100,000
Holford Road - PGBT to Creekwood	250,000
Leon Road	1,000,000
Infrastructure Equipment	970,000
Street Reconstruction and Improvements	8,070,000

Total Street	<u>\$13,845,000</u>

Drainage

Miscellaneous Flooding	\$98,000
Parkmont Drive	710,000
Bridge Remediation	816,000

Total Drainage	<u>\$1,624,000</u>

Library

Central Library Life and Safety Upgrades	\$800,000
RFID Service Delivery	300,000

Total Library	<u>\$1,100,000</u>

2018 CERTIFICATE OF OBLIGATION ISSUE

Public Safety	
Ambulance Remounts	\$1,561,000
Replace Fire Apparatus	<u>1,828,000</u>
Total Public Safety	<u><u>\$3,389,000</u></u>
Economic Development	
Downtown Streetscape & Redevelopment Design	\$109,000
Neighborhood Vitality Grant Program	65,000
Economic Development Office	148,000
Downtown Street/Sidewalk/Parking Study	<u>82,000</u>
Total Economic Development	<u><u>\$404,000</u></u>
Facilities Management	
HVAC Replacement/Upgrade	\$384,000
Roof Replacement	476,000
Facilities Upgrades	201,000
Fire Alarm, Fire Safety and Security Systems	52,000
Carver Center Renovation & Safety Upgrades	638,000
Carver Senior Center Renovation	<u>181,000</u>
Total Facilities Management	<u><u>\$1,932,000</u></u>
Firewheel Golf Park	
Firewheel Golf Park Equipment	\$59,000
Firewheel Golf Park Cart Replacements	<u>638,000</u>
Total Firewheel Golf Park	<u><u>\$697,000</u></u>

2018 CERTIFICATE OF OBLIGATION ISSUE

Landfill/Transfer Station	
Replacement of Landfill Equipment	\$992,000
Hinton Landfill GCCS Expansion	150,000
Wheel Wash Installation	60,000
Addition of Automated Scales	<u>150,000</u>
Total Landfill/Transfer Station	<u><u>\$1,352,000</u></u>
TOTAL GENERAL OBLIGATION	<u><u>\$28,183,000</u></u>
Environmental Waste Services - Delivery	
Replacement of Side-Load Residential Trucks	\$627,000
Replacement of Recycling Trucks	627,000
Replacement of Brush Tractor Trucks & Trailers	255,000
Replacement of Commercial Front-Load Trucks	620,000
Replacement of Knuckle Boom Trucks	375,000
Replacement of Front-Load Container Carrier Truck	112,000
Replacement of Bobcat Skid Loader	53,000
Restoration of Paint Booth	61,000
New Side-Load Residential Truck	313,000
New Brush Tractor Trucks/Trailers	<u>310,000</u>
Total Environmental Waste Services - Delivery	<u><u>\$3,353,000</u></u>
Fleet Services	
Fuel System Upgrade	\$150,000
Fleet Services Exterior Restoration	<u>200,000</u>
Total Fleet Services	<u><u>\$350,000</u></u>
Management Information Services	
Telephone System Replacement	<u>\$100,000</u>
Total Management Information Services	<u><u>\$100,000</u></u>

2018 CERTIFICATE OF OBLIGATION ISSUE

Stormwater Management	
Stormwater Maintenance Equipment	<u>\$1,131,000</u>
Total Stormwater Management	<u>\$1,131,000</u>
TOTAL UTILITIES OBLIGATION	<u>\$4,934,000</u>
TOTAL CO ISSUE	<u>\$33,117,000</u>

2018 REVENUE SUPPORTED COMMERCIAL PAPER ISSUE

Water

Transmission Mains (16-Inch and Above)	\$1,000,000
Distribution Lines (Up to 14-Inch)	3,000,000
Relocation of Mains Prior to Paving	2,500,000
Water Service Installation	450,000
Upgrade Undersized Water Mains	500,000
Water Distribution Line Replacement	750,000
Radio Read Water Meter Retrofit	1,000,000
Country Club/Bobtown Road Water Transmission Mains	1,300,000
Water Pump Station Emergency Generators	1,625,000
Field Operations Center	250,000
Sand Pit Cover	125,000
Total Water	<u><u>\$12,500,000</u></u>

Wastewater

Infiltration Correction - Various	\$750,000
Sewer Collection Mains - Manholes	400,000
Sanitary Sewer Taps - New or Relocations	80,000
Collection Mains	1,500,000
Cured-in-Place Pipe Main & Lateral Rehab	1,000,000
Relocation of Mains Prior to Paving	4,760,000
Rowlett Interceptor Rehab	985,000
Walnut-I	250,000
S.H. 190 Catalyst Area	450,000
Field Operations Center	250,000
Sand Pit Cover	125,000
Rowlett Creek WWTP Processes Improvements	3,350,000
Rowlett Creek WWTP Replacements/Modifications	1,750,000
Duck Creek WWTP Processes Improvements	570,000
Rowlett Creek Operations Center Renovations	5,200,000
Rowlett Creek Administration Building Renovation	155,000
Total Wastewater	<u><u>\$21,575,000</u></u>

2018 REVENUE SUPPORTED COMMERCIAL PAPER ISSUE

Electric	
Transmission Lines	\$7,735,000
Commercial and Industrial Construction	1,906,000
Distribution Lines - Overhead	3,227,000
Distribution Lines - Underground	5,418,000
Substations Upgrades	31,116,000
Limestone to Gibbons Creek Transmission Line	<u>15,636,000</u>
Total Electric	<u><u>\$65,038,000</u></u>
TOTAL COMMERCIAL PAPER OBLIGATION	<u><u>\$99,113,000</u></u>

2017 CIP STATUS

CITY OF GARLAND CAPITAL IMPROVEMENT PROGRAM 2017 STATUS REPORT

INTRODUCTION

The Capital Improvement Program (CIP) Status Report summarizes the current standing of projects included in the 2017 CIP, which was approved by the City Council on February 21, 2017. The Status Report is divided into three major sections including:

- (1) **Completion Rate** – Completion rate of the 2017 CIP for each program area. Reflects the percentage of 2017 funding projected to be expended by the end of the 2017 calendar year.
- (2) **Project Schedule** – A schedule reflecting each project included in the 2017 CIP, the completion date estimated at the time the CIP was adopted, and the revised completion date as submitted by departments in October 2017.
- (3) **Remaining 1991, 1997, and 2004 Bond Projects** – Schedule of uncompleted projects authorized in the 1991, 1997, and 2004 Bond Referendums, with updated completion dates.

Completion Rate

2017 CIP – COMPLETION RATE

Program Areas	Completion Rate
Tax-Supported Programs:	
Park	53.4%
Street/Transportation	55.5%
Drainage	36.9%
Library	22.5%
Public Safety	65.7%
Economic Development	8.8%
Facilities and Miscellaneous	48.1%
Landfill/Transfer Station	68.9%
Total Tax-Supported	46.2%
Internal Service	29.8%
Utility Programs:	
Environmental Waste Services	85.3%
Stormwater Management	100.0%
Water	50.3%
Wastewater	58.5%
Electric	57.1%
Total Utility-Supported	56.8%
Grand Total	53.6%

Additional information is included that reflects the original completion dates as projected in December 2016 and updated completion dates as revised by departments in October 2017.

Project Schedule

2017 CIP STATUS BY PROJECT

		2017 Approved Completion Date	2018 Approved Completion Date	Project Delay (Months)
<u>Park</u>				
18213	Atrium Renovations	September-2017	February-2018	(5)
18209	Trail Development	Ongoing	Ongoing	
18318	Surf & Swim Aquatic Facility Expansion	Ongoing	Ongoing	
18320	Granger Recreation Center & Annex Renovation	December-2019	June-2020	(6)
18325	Audubon Recreation Center Expansion	March-2020	June-2020	(3)
18327	Gale Fields Recreation Center Expansion	June-2023	June-2022	12
18329	Tuckerville Park Sports Field Development	December-2027	December-2027	
18330	Skating/Skateboard Facility	February-2019	June-2019	(4)
18331	Expand Centralized Irrigation/Lighting Control	Ongoing	July-2018	
18332	Land Acquisition	Ongoing	Ongoing	
18334	Audubon Park Picnic Area Paving Replacement	April-2022	April-2023	(12)
18335	Gatewood Picnic Pavilion	December-2020	November-2022	(23)
18337	Windsurf Bay Park	June-2019	August-2019	(2)
18338	Playground Improvements	Ongoing	Ongoing	
18345	Repaving of Parking Lots for Parks Department	Ongoing	Ongoing	
18346	Park Operations Facility Improvements	September-2023	September-2023	
18347	Dog Park	February-2019	June-2019	(4)
18348	Park Lighting Improvements - Parking Lots	Ongoing	Ongoing	
18350	Fencing - Audubon and Winters Soccer Complex	December-2017	December-2018	(12)
18351	Pedestrian/Bike Bridges - Duck Creek	December-2017	December-2018	(12)
18352	Granville Arts Center - Art Sculpture	June-2017	March-2018	(9)
18353	Carter Softball Facility Canopy Replacement	December-2017	December-2018	(12)
18354	Greenbelt Drainage Improvements	September-2018	December-2019	(15)

2017 CIP STATUS BY PROJECT

		2017 Approved Completion Date	2018 Approved 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-2022	December-2023	(12)
14261	Oates Road - Broadway to Rosehill	December-2018	December-2019	(12)
14264	Callejo Road - Botello to Campbell	December-2024	December-2025	(12)
14265	Chaha Road - I.H. 30 to Zion	December-2024	December-2024	
14266	Chaha Road - I.H. 30 to Lake Ray Hubbard Pkwy.	December-2025	December-2025	
14272	Bobtown Road - Rowlett to Waterhouse	March-2019	December-2020	(21)
14273	Brand Road - S.H. 190 to Muirfield	December-2019	December-2022	(36)
14288	Shiloh Road - I.H. 635 to Kingsley	December-2019	December-2020	(12)
14292	Pleasant Valley Road Bridge	December-2018	December-2018	
14300	Fifth Street - Miller to Kingsley	December-2017	COMPLETE	
14301	Screen Wall Reconstruction	Ongoing	Ongoing	
14302	Naaman School/Brand/Campbell Alignment	June-2019	June-2020	(12)
14303	Waterhouse - Bobtown to Hayman	December-2019	December-2020	(12)
14305	Holford Road - PGBT to Creekwood (Scope Change)	December-2017	December-2020	(36)
14306/14310	Holford Road - Arapaho to PGBT	December-2019	December-2022	(36)
14308	Bobtown Road - Kelso to Barnes Bridge	December-2017	COMPLETE	
14309	Oates Road - Channel Isle to Heron's Bay #3	December-2017	December-2018	(12)
15640	Operational and Safety Improvements	Ongoing	Ongoing	
15219	Miscellaneous Equipment and Services	Ongoing	Ongoing	
15600	New Traffic Signal Installations	Ongoing	Ongoing	
15544	LED Replacement Program	Ongoing	Ongoing	
15530	Traffic Control System	Ongoing	Ongoing	
15547	Emergency Services Signal Equipment	Ongoing	Ongoing	
15578	Railroad Crossing Improvements	Ongoing	Ongoing	
15596	North-South Bikeway	December-2018	December-2020	(24)
15620	Signal Equipment Modernizations	Ongoing	Ongoing	
15751	Train Quiet Zone	Ongoing	Ongoing	
14304	LBJ Sound Wall Aesthetics	June-2017	June-2018	(12)
14307	Transit Pass - Bottleneck Improvements (Scope Change)	December-2019	December-2021	(24)
39829	Nash Street - Brookside to Garwood	September-2017	COMPLETE	
39830	Vista Drive - Cumberland to Dairy	September-2017	COMPLETE	
39831	Rolando Drive - Delano to Miller	September-2017	COMPLETE	
39818	Street Reconstruction and Improvements	Ongoing	Ongoing	

2017 CIP STATUS BY PROJECT

		2017 Approved Completion Date	2018 Approved Completion Date	Project Delay (Months)
<u>Drainage</u>				
14230	Miscellaneous Flooding	Ongoing	Ongoing	
14231	Petition Drainage	Ongoing	Ongoing	
14244	Classic and Yale	December-2021	December-2024	(36)
14245	Garland Heights / Freeman	December-2021	December-2023	(24)
14246	Parkmont Drive	December-2018	December-2019	(12)
14248	Bridge Remediation	December-2018	December-2019	(12)
14299	Downtown Drainage Improvements	June-2017	June-2018	(12)
<u>Library</u>				
19580	Library Materials	Ongoing	COMPLETE	
19581	Facilities Upgrades	Ongoing	Ongoing	
19584/5	Life and Safety Upgrades	December-2018	December-2018	
19587	RFID Service Delivery	December-2017	June-2018	(6)
<u>Public Safety</u>				
Fire				
12032	Fire Station No. 5	March-2017	June-2018	(15)
12099	Remodel Fire Station No. 7	December-2024	December-2025	(12)
12101	Relocate Fire Station No. 1	December-2025	December-2025	
12107	Ambulance Remounts	Ongoing	Ongoing	
12058	Replace Fire Apparatus	Ongoing	Ongoing	
Management Information Services				
23047	Radio System Replacement	October-2017	June-2018	(8)

2017 CIP STATUS BY PROJECT

		2017 Approved Completion Date	2018 Approved Completion Date	Project Delay (Months)
<u>Economic Development</u>				
Engineering				
10046	Land/Property Acquisition	Ongoing	Ongoing	
Planning				
10027	Downtown Streetscape & Redevelopment Design	Ongoing	Ongoing	
10032	Land Acquisition	Ongoing	Ongoing	
10034	Neighborhood Vitality Grant Program	December-2020	December-2021	(12)
10042	Downtown Gateways	December-2018	December-2019	(12)
10043	Downtown Square Design & Construction	December-2020	December-2020	
10044	Forest/Jupiter Streetscape	December-2022	December-2023	(12)
10049	Commercial Corridor Revitalization	December-2022	December-2023	(12)
10127	Walnut Street Pedestrian Corridor	December-2017	May-2019	(17)
10136	City Center Development	June-2017	June-2018	(12)
10508	Economic Development Office	August-2017	August-2018	(12)
<u>Municipal Facilities and Miscellaneous Tax Supported</u>				
Facilities Management				
16037	HVAC Replacement/Upgrade	Ongoing	Ongoing	
16038	Roof Replacement	Ongoing	Ongoing	
16039	Facilities Upgrade	Ongoing	Ongoing	
16057	Fire Alarm, Fire Safety and Security Systems	Ongoing	Ongoing	
16062	Parking Lot Upgrades	Ongoing	Ongoing	
16066/16067	Carver Center Renovation	December-2017	April-2019	(16)
16104	City Hall Code/Safety Updates	June-2017	February-2018	(8)
Firewheel				
36529	Firewheel Golf Park Equipment	Ongoing	Ongoing	
36530	Firewheel Golf Park Improvements	December-2021	Ongoing	
36531	Firewheel Golf Park Cart Replacements	Ongoing	Ongoing	
Public & Media Relations				
16084	CGTV - Upgrades	Ongoing	Ongoing	
Street				
39811	Infrastructure Equipment	Ongoing	Ongoing	

2017 CIP STATUS BY PROJECT

		2017 Approved Completion Date	2018 Approved 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	October-2017	February-2018	(4)
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	
21085	Replacement of Front-Load Container Carrier Truck	September-2017	March-2018	(6)
Fleet Services				
19030	Fuel System Upgrade	December-2017	December-2018	(12)
19033	Fleet Services Facility Renovation	June-2017	April-2018	(10)
Management Information Services				
23045	Extend Fiber Optic Cable	Ongoing	Ongoing	
23019	Network and Cabling Upgrades	Ongoing	Ongoing	
23048	Telephone System Replacement	December-2020	December-2021	(12)
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	Automated Truck Wheel Wash System		July-2018	
17162	Transfer Station Rebuild	April-2018	April-2018	
17160	Leachate Discharge System Upgrades	December-2017	December-2018	(12)
17161	Hinton Landfill GCCS Expansion	December-2017	May-2018	(5)

2017 CIP STATUS BY PROJECT

		2017 Approved Completion Date	2018 Approved Completion Date	Project Delay (Months)
<u>Water</u>				
30190	Transmission Mains (16-Inch and Above)	Ongoing	Ongoing	
30191	Distribution Lines (Up to 14-Inch)	Ongoing	Ongoing	
30192	Relocation of Mains Prior to Paving	Ongoing	Ongoing	
30195	Relocation of Mains Prior to Storm Sewer Installation	Ongoing	Ongoing	
30197	Water Pump Station Rehabilitation	Ongoing	Ongoing	
30205	Fire Hydrant Installation	Ongoing	Ongoing	
30206	New Water Service Installation	Ongoing	Ongoing	
30207	Upgrade Undersized Water Mains	Ongoing	Ongoing	
30208	Water Distribution Line Replacement	Ongoing	Ongoing	
30213	Radio Read Water Meter Retrofit	Ongoing	Ongoing	
30216	Country Club Road Water Transmission Mains	June-2018	December-2018	(6)
30222	West Pressure Plane Improvements	June-2018	May-2018	1
30235	Roan Road Water Transmission Main	December-2018	December-2019	(12)
30236	Water Quality Assurance	December-2017	December-2019	(24)
<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	December-2018	December-2018	
32180	Long Branch - II Wastewater Main Realignment	December-2017	COMPLETE	
32181	Duck Creek Greenbelt Trail Extension	June-2018	April-2019	(10)
32183	Duck Creek Interceptor Rehab	December-2022	December-2022	
32184	Rowlett Interceptor Rehab	December-2022	December-2022	
32187	S.H. 190 Catalyst Area	December-2019	December-2019	
33028	Rowlett Creek WWTP Processes Improvements	Ongoing	Ongoing	
33029	Rowlett Creek WWTP Replacements/Mods.	Ongoing	Ongoing	
33031	Rowlett Creek Operations Center Renovations	December-2018	February-2019	(2)
34027	Duck Creek WWTP Replacements/Mods.	Ongoing	Ongoing	
34035	Rowlett Creek WWTP Biosolids Expansion	Ongoing	Ongoing	
34038	Duck Creek WWTP Processes Improvements	Ongoing	Ongoing	

2017 CIP STATUS BY PROJECT

		2017 Approved Completion Date	2018 Approved Completion Date	Project Delay (Months)
<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	December-2018	December-2018	

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

1991 Bond Program

Of the total funds available for projects included in the 1991 Bond Program, 99.9% was projected to be expended by the end of the 2017 calendar year. Of the \$54.9 million in General Obligation (GO) Bonds authorized in the 1991 Referendum, \$54.9 million (100%) will have actually been issued by the end of 2018. Additional details regarding outstanding projects approved in the 1991 Bond Referendum are included in the last section of the 2017 CIP Status.

1997 Bond Program

Of the total funds available for projects included in the 1997 Bond Program, 98.9% was projected to be expended by the end of the 2017 calendar year. Of the \$126.1 million in General Obligation (GO) Bonds authorized in the 1997 Referendum, \$125.8 million (99.8%) will have actually been issued by the end of 2018. Additional details regarding outstanding projects approved in the 1997 Bond Referendum are included in the last section of the 2017 CIP Status.

2004 Bond Program

Of the total funds available for projects included in the 2004 Bond Program, 52.7% was projected to be expended by the end of the 2017 calendar year. Of the \$223.7 million in General Obligation (GO) Bonds authorized in the 2004 Referendum, \$135.7 million (60.7%) will have actually been issued by the end of 2018. Additional details regarding outstanding projects approved in the 2004 Bond Referendum are included in the last section of the 2017 CIP Status.

**CITY OF GARLAND
CURRENT STATUS OF UNSPENT 1991 GO BONDS
DECEMBER 2017
(In 000's Dollars)**

Project No.	Project Description	Page	Funding Source	2018	2019	2020 to Completion	Remaining to Fund	Projected Completion Date
	<u>Park</u>							
*18338	Playground Improvements	P14	GOB91	\$19	\$0	\$0	\$19	Ongoing
	Total			\$19	\$0	\$0	\$19	
Grand Total - 1991 Bond Program				\$19	\$0	\$0	\$19	

* Additional funding in 2004 Program

**CITY OF GARLAND
CURRENT STATUS OF UNSPENT 1997 GO BONDS
DECEMBER 2017
(In 000's Dollars)**

Project No.	Project Description	Page	Funding Source	2018	2019	2020 to Completion	Remaining to Fund	Projected Completion Date
<u>Park</u>								
*18209	Trail Development	P02	GOB97	\$696	\$0	\$0	\$696	Ongoing
	Total			\$696	\$0	\$0	\$696	
<u>Street/Transportation</u>								
*15578	Railroad Crossing Improvements	ST28	GOB97	\$100	\$97	\$0	\$197	Ongoing
15596	North-South Bikeway	ST29	GOB97	0	237	0	237	Dec 2020
	Undesignated		GOB97	0	0	259	259	
	Total			\$100	\$334	\$259	\$693	
Grand Total - 1997 Bond Program				\$796	\$334	\$259	\$1,389	

* Additional funding in 2004 Program

**CITY OF GARLAND
CURRENT STATUS OF UNSPENT 2004 GO BONDS
DECEMBER 2017
(In 000's Dollars)**

Project No.	Project Description	Page	Funding Source	2018	2019	2020 to Completion	Remaining to Fund	Projected Completion Date
<u>Park</u>								
18209	Trail Development	P02	GOB04	\$550	\$150	\$0	\$700	Ongoing
18318	Surf & Swim Aquatic Facility Expansion	P03	GOB04	0	0	1,204	1,204	Ongoing
18320	Granger Rec. Center & Annex Renovation	P04	GOB04	855	0	0	855	Jun 2020
18325	Audubon Recreation Center Expansion	P05	GOB04	144	2,440	0	2,584	Jun 2020
18327	Gale Fields Recreation Center Expansion	P06	GOB04	0	0	1,000	1,000	Jun 2022
18329	Tuckerville Park Sports Field Development	P07	GOB04	0	0	4,844	4,844	Dec 2027
18330	Skating/Skateboard Facility	P08	GOB04	436	0	0	436	Jun 2019
18331	Expand Centralized Irrig./Lighting Control	P09	GOB04	140	0	0	140	Jul 2018
18332	Land Acquisition	P10	GOB04	0	0	655	655	Ongoing
18334	Audubon Picnic Area	P11	GOB04	0	0	700	700	Apr 2023
18335	Gatewood Picnic Pavilion	P12	GOB04	0	0	425	425	Nov 2022
18337	Windsurf Bay Park	P13	GOB04	150	550	0	700	Aug 2019
18338	Playground Improvements	P14	GOB04	642	0	0	642	Ongoing
	Total			<u>\$2,917</u>	<u>\$3,140</u>	<u>\$8,828</u>	<u>\$14,885</u>	
<u>Drainage</u>								
14230	Miscellaneous Flooding	D01	GOB04	\$367	\$0	\$0	\$367	Ongoing
14231	Petition Drainage	D02	GOB04	200	238	238	676	Ongoing
14244	Classic and Yale	D03	GOB04	0	0	2,949	2,949	Dec 2024
14245	Garland Heights / Freeman	D04	GOB04	0	0	4,200	4,200	Dec 2023
14246	Parkmont Drive	D05	GOB04	2,408	0	0	2,408	Dec 2019
	Total			<u>\$2,975</u>	<u>\$238</u>	<u>\$7,387</u>	<u>\$10,600</u>	

CITY OF GARLAND
CURRENT STATUS OF UNSPENT 2004 GO BONDS
DECEMBER 2017
(In 000's Dollars)

Project No.	Project Description	Page	Funding Source	2018	2019	2020 to Completion	Remaining to Fund	Projected Completion Date
<u>Street/Transportation</u>								
14176	New Sidewalks	ST01	GOB04	\$550	\$350	\$450	\$1,350	Ongoing
14200	Street and Alley Petition	ST02	GOB04	125	325	1,325	1,775	Ongoing
14202	Sidewalk / Curb & Gutter Participation	ST03	GOB04	335	250	360	945	Ongoing
14255	Fifth Street - Miller to Avenue D (Phase B)	ST04	GOB04	0	0	1,489	1,489	Dec 2023
14261	Oates Road - Broadway to Rosehill	ST05	GOB04	1,150	3,564	0	4,714	Dec 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	925	3,861	0	4,786	Dec 2020
14273	Brand Road - S.H. 190 to Muirfield	ST10	GOB04	50	50	7,960	8,060	Dec 2022
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	GOB04	4,251	830	200	5,281	Dec 2020
15640	Operational and Safety Improvements	ST22	GOB04	407	125	365	897	Ongoing
15600	New Traffic Signal Installations	ST24	GOB04	138	150	1,363	1,651	Ongoing
15530	Traffic Control System	ST26	GOB04	885	900	1,976	3,761	Ongoing
15547	Emergency Services Signal Equipment	ST27	GOB04	31	110	340	481	Ongoing
15578	Railroad Crossing Improvements	ST28	GOB04	0	3	997	1,000	Ongoing
15620	Signal Equipment Modernizations	ST30	GOB04	902	37	341	1,280	Ongoing
15751	Train Quiet Zone	ST31	GOB04	0	0	1,783	1,783	Ongoing
	Undesignated		GOB04	0	0	22,210	22,210	
	Total			\$9,749	\$10,555	\$50,581	\$70,885	

**CITY OF GARLAND
CURRENT STATUS OF UNSPENT 2004 GO BONDS
DECEMBER 2017
(In 000's Dollars)**

Project No.	Project Description	Page	Funding Source	2018	2019	2020 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	Jun 2018
12099	Remodel Fire Station No. 7	PS02	GOB04	0	0	425	425	Dec 2025
12101	Relocate Fire Station No. 1	PS03	GOB04	0	0	600	600	Dec 2025
	Total			<u>\$0</u>	<u>\$0</u>	<u>\$1,025</u>	<u>\$1,025</u>	
<u>Economic Development</u>								
10032	Land Acquisition	ED04	GOB04	\$0	\$0	\$920	\$920	Ongoing
10034	Neighborhood Vitality Grant Program	ED05	GOB04	990	750	313	2,053	Dec 2021
10042	Downtown Gateways	ED06	GOB04	164	528	0	692	Dec 2019
10043	Downtown Square Design	ED07	GOB04	0	300	577	877	Dec 2020
10044	Forest/Jupiter Streetscape	ED08	GOB04	0	0	980	980	Dec 2023
10049	Commercial Corridor Revitalization	ED09	GOB04	0	0	2,890	2,890	Dec 2023
	Total			<u>\$1,154</u>	<u>\$1,578</u>	<u>\$5,680</u>	<u>\$8,412</u>	
Grand Total - 2004 Bond Program				<u>\$16,795</u>	<u>\$15,511</u>	<u>\$73,501</u>	<u>\$105,807</u>	

DETAIL PROJECT SUMMARIES

PARK DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
18213	Atrium Renovations	P01	CO	\$370	\$12	\$0	\$0	\$0	\$0	\$0	\$382
18209	Trail Development	P02	GOB97/04/Other	320	2,655	150	0	0	0	0	3,125
18318	Surf & Swim Aquatic Facility Expansion	P03	GOB04	751	0	0	60	290	854	0	1,955
18320	Granger Recreation Center & Annex Renovation	P04	GOB04/UNF	295	2,487	2,580	380	0	0	0	5,742
18325	Audubon Recreation Center Expansion	P05	GOB04/UNF	216	144	2,440	1,700	0	0	0	4,500
18327	Gale Fields Recreation Center Expansion	P06	GOB04	0	0	0	100	600	300	0	1,000
18329	Tuckerville Park Development	P07	GOB04	156	0	0	0	0	0	4,844	5,000
18330	Skating/Skateboard Facility	P08	GOB04/UNF	64	1,026	60	0	0	0	0	1,150
18331	Expand Centralized Irrigation/Lighting Control	P09	GOB04	110	140	0	0	0	0	0	250
18332	Land Acquisition	P10	GOB04	345	0	0	0	0	0	655	1,000
18334	Audubon Park Picnic Area Paving Replacement	P11	GOB04	0	0	0	0	0	200	500	700
18335	Gatewood Picnic Pavilion	P12	GOB04	0	0	0	60	115	250	0	425
18337	Windsurf Bay Park	P13	GOB04	0	150	550	0	0	0	0	700
18338	Playground Improvements	P14	GOB91/04/CO/INT/UNF	19	978	1,015	975	975	955	2,200	7,117
18345	Repaving of Parking Lots for Parks Dept.	P15	CO/UNF	1,293	702	3,030	1,920	1,410	1,455	0	9,810
18346	Park Operations Facility Improvements	P16	CO/UNF	526	75	0	0	0	1,891	1,103	3,595
18347	Dog Park	P17	CO/UNF	70	985	61	0	0	0	0	1,116
18348	Park Lighting Improvements - Parking Lots	P18	CF/CO/UNF	0	136	40	0	0	0	0	176
18350	Fencing - Audubon and Winters Soccer Complex	P19	CO	0	140	0	0	0	0	0	140
18351	Pedestrian/Bike Bridges - Duck Creek	P20	CO	0	225	0	0	0	0	0	225
18352	Granville Arts Center - Art Sculpture	P21	CF/Other	266	34	0	0	0	0	0	300
18353	Carter Softball Facility Canopy Replacement	P22	CO	0	180	0	0	0	0	0	180
18354	Greenbelt Drainage Improvements	P23	CO/UNF	55	605	315	0	0	0	0	975
18357 *	Cultural Arts Facilities Renovations	P24	CO/UNF	0	182	300	0	0	0	0	482
Total				<u>\$4,856</u>	<u>\$10,856</u>	<u>\$10,541</u>	<u>\$5,195</u>	<u>\$3,390</u>	<u>\$5,905</u>	<u>\$9,302</u>	<u>\$50,045</u>
Total Existing CO's/Current Funds/Interest/Other				\$2,580	\$3,384	\$0	\$0	\$0	\$0	\$0	\$5,964
Unfunded				0	0	7,401	4,975	2,385	4,301	3,303	22,365
2018 Certificates of Obligation				0	3,840	0	0	0	0	0	3,840
Total 1991 Bond Program				19	19	0	0	0	0	0	38
Total 1997 Bond Program				320	696	0	0	0	0	0	1,016
Total 2004 Bond Program				<u>1,937</u>	<u>2,917</u>	<u>3,140</u>	<u>220</u>	<u>1,005</u>	<u>1,604</u>	<u>5,999</u>	<u>16,822</u>
Total				<u>\$4,856</u>	<u>\$10,856</u>	<u>\$10,541</u>	<u>\$5,195</u>	<u>\$3,390</u>	<u>\$5,905</u>	<u>\$9,302</u>	<u>\$50,045</u>

*Projects funded for the first time

PARK DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2018	2019	2020	2021	2022	2023 to Completion	Project Total
18209	Trail Development	P02	Appr.	\$500	\$150	\$0	\$0	\$0	\$0	\$650
18318	Surf & Swim Aquatic Facility Expansion	P03	Appr.	0	0	60	290	854	0	1,204
18320	Granger Recreation Center & Annex Renovation	P04	Appr.	1,183	2,580	380	0	0	0	4,143
18325	Audubon Recreation Center Expansion	P05	Appr.	0	2,440	1,700	0	0	0	4,140
18327	Gale Fields Recreation Center Expansion	P06	Appr.	0	0	100	600	300	0	1,000
18329	Tuckerville Park Development	P07	Appr.	0	0	0	0	0	4,844	4,844
18330	Skating/Skateboard Facility	P08	Appr.	640	60	0	0	0	0	700
18332	Land Acquisition	P10	Appr.	0	0	0	0	0	655	655
18334	Audubon Park Picnic Area Paving Replacement	P11	Appr.	0	0	0	0	200	500	700
18335	Gatewood Picnic Pavilion	P12	Appr.	0	0	60	115	250	0	425
18338	Playground Improvements	P14	Appr.	0	1,015	975	975	955	2,200	6,120
18345	Repaving of Parking Lots for Parks Dept.	P15	Appr.	665	3,030	1,920	1,410	1,455	0	8,480
18346	Park Operations Facility Improvements	P16	Appr.	0	0	0	0	1,891	1,103	2,994
18347	Dog Park	P17	Appr.	700	61	0	0	0	0	761
18348	Park Lighting Improvements - Parking Lots	P18	Appr.	40	40	0	0	0	0	80
18354	Greenbelt Drainage Improvements	P23	Appr.	480	315	0	0	0	0	795
18357	* Cultural Arts Facilities Renovations	P24	Appr.	182	300	0	0	0	0	482
Total				<u>\$4,390</u>	<u>\$9,991</u>	<u>\$5,195</u>	<u>\$3,390</u>	<u>\$5,905</u>	<u>\$9,302</u>	<u>\$38,173</u>
Total Approved				\$4,390	\$9,991	\$5,195	\$3,390	\$5,905	\$9,302	\$38,173
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>\$4,390</u>	<u>\$9,991</u>	<u>\$5,195</u>	<u>\$3,390</u>	<u>\$5,905</u>	<u>\$9,302</u>	<u>\$38,173</u>

*Projects funded for the first time

PAGE NO: P01	Continuing Project	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 2		
DEPARTMENT PARKS & RECREATION		PROJECT TITLE ATRIUM RENOVATIONS						PROJECT NO(S). 18213	ACCOUNT NO(S). 692-4749-18213XX		
PROJECT DESCRIPTION This final phase of the project includes exterior pedestrian lighting improvements along the sidewalks at the front entrance of the Granville Arts Center. It also includes additional lighting as necessary at the Arts Center entrance for the cast bronze sculpture. The lighting will take place under the contracts for reconstruction of the entry drive and for the installation of the cast bronze sculpture at the Arts Center.											
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel 350 # of Positions Operations Capital Total \$350				IMPACT EXPLANATION Staff have reviewed the additional Operating Budget impacts and have determined that, with normal use, there could be an impact of approximately \$350 per year for lamp or parts replacements to lighting fixtures or equipment.						FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 382,000 TOTAL FUNDED \$ 382,000 UNFUNDED \$ PROJECT TOTAL \$ 382,000	
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design											
Land/Right-of-Way											
Construction	370	12							382		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	370	12							382		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	382								382		
Other											
Unfunded											
TOTAL SOURCES	382								382		

STRIP MAP

PROJECT SCHEDULE	START	FINISH
Design		
Land/Right-of-Way		
Construction	10/2015	2/2018
Finish Out		
Other		
TOTAL SCHEDULE	10/2015	2/2018

PAGE NO: P02		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) 1, 7, 8, TBD	
DEPARTMENT PARKS & RECREATION				PROJECT TITLE TRAIL DEVELOPMENT				PROJECT NO(S). 18209 18333		ACCOUNT NO(S). 612-2499-1820900 614-2499-1833304	
PROJECT DESCRIPTION This project includes reimbursement funding from the Federal Highway Administration CMAQ program and Dallas County for development of the Winters Park / Spring Creek Greenbelt Trail. This 12-foot-wide, concrete, off-street bike facility lies within the Spring Creek Greenbelt and includes a pedestrian/bike bridge which spans a tributary of Spring Creek. The trail will provide future connectivity with other off-street and on-street bike facilities within the Spring Creek Corridor and as identified in the NCTCOG 2040 Regional Mobility Plan.										FUNDING SOURCE(S) 1997 Bond Fund \$ 1,016,000 2004 Bond Fund 700,000 TxDOT 1,044,806 Dallas County 364,321 TOTAL FUNDED \$ 3,125,127 UNFUNDED \$ PROJECT TOTAL \$ 3,125,127	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations 15,000 # of Positions _____ Capital Total \$15,000				IMPACT EXPLANATION Impacts to the Operating Budget begin in FY 2019-20 for park maintenance of approximately two miles of concrete trail which includes follow-up edging and mowing of a swath to each side of the trail, litter pickup, and facility repair to site furnishings and signage in currently undeveloped areas of Winters Park and the Spring Creek Greenbelt.							
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design		320	142	60					522		
Land/Right-of-Way											
Construction			2,513	90					2,603		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		320	2,655	150					3,125		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds											
GO's/Com Paper Issued		1,066							1,066		
GO's Unissued			500	150					650		
RB's/Com Paper											
Certificates of Obligation											
Other (TxDOT/County)			1,409						1,409		
Unfunded											
TOTAL SOURCES		1,066	1,909	150					3,125		

STRIP MAP

PROJECT SCHEDULE	START	FINISH
Design		
Land/Right-of-Way		
Construction		
Finish Out		
Other		
TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: P03	Continuing Project	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 4
DEPARTMENT PARKS & RECREATION		PROJECT TITLE SURF & SWIM AQUATIC FACILITY EXPANSION						PROJECT NO(S). 18318	ACCOUNT NO(S). 614-2499-1831804
PROJECT DESCRIPTION Phase 1 of this project was completed several years ago for circulation and filtration systems, new pool coatings, and other related to the Wave Action Pool. Future improvements are planned for the renovation of Wally's Cove splash area and the addition of new interactive water equipment with related mechanical, plumbing, perimeter fencing, shade canopies, and site furnishings.								FUNDING SOURCE(S)	
								2004 Bond Fund \$ 1,955,000	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____								TOTAL FUNDED \$ 1,955,000	
								UNFUNDED \$	
IMPACT EXPLANATION Increased costs to the Operating Budget will be estimated during preliminary design and will include maintenance related to the addition of new water feature, including mechanical, pumping, and circulation equipment and motors; pool chemicals; and shade structures.								PROJECT TOTAL \$ 1,955,000	
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total
Design		84			60	90	50		284
Land/Right-of-Way									
Construction		667				200	804		1,671
Landscaping									
Equip. & Furnish.									
Other									
TOTAL COSTS		751			60	290	854		1,955
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total
Current Funds									
GO's/Com Paper Issued		751							751
GO's Unissued					60	290	854		1,204
RB's/Com Paper									
Certificates of Obligation									
Other									
Unfunded									
TOTAL SOURCES		751			60	290	854		1,955

STRIP MAP

City Limits

	PROJECT SCHEDULE	START	FINISH
	Design		
	Land/Right-of-Way		
	Construction		
	Finish Out		
	Other		
	TOTAL SCHEDULE	(Ongoing	Project)

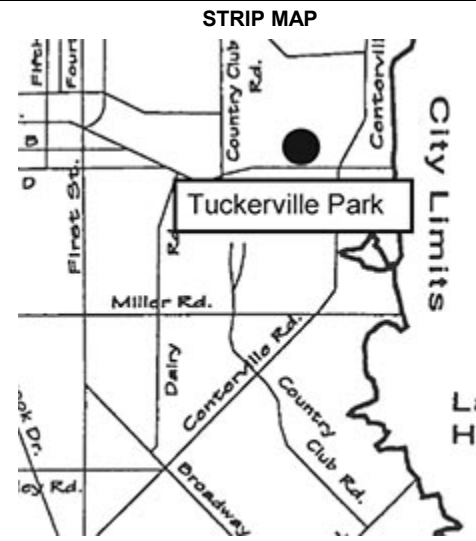
PAGE NO: P04	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 2		
DEPARTMENT PARKS & RECREATION		PROJECT TITLE GRANGER REC. CENTER & ANNEX RENOVATION						PROJECT NO(S). 18320	ACCOUNT NO(S). 614-2499-1832004		
PROJECT DESCRIPTION Granger Recreation Center, located in Central Park, opened to the public in 1961 as Garland's first Recreation Center. The funding provides for a two-phase renovation and replacement. Phase 1 includes renovation of the existing Granger Center to include accessibility modifications, restrooms, HVAC replacement, gym flooring, lighting, windows, overall interior finishes, and roofing. Phase 2 starts in Year 2018 and includes construction of a new approximately 5,600 square-foot addition located adjacent to the Recreation Center. The new structure replaces the aging and structurally deteriorating Granger Annex as a facility for reservations and programming.											
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations 720 # of Positions Capital Total \$720				IMPACT EXPLANATION Phase 1 for renovation of the existing Recreation Center structure has negligible impact to the Operating Budget with exception of monthly monitoring fees and equipment maintenance of the fire alarm system. Phase 2 replaces the Annex and also has negligible impact to the Operating Budget with exception of monitoring fees and maintenance of the fire alarm system.						FUNDING SOURCE(S) 2004 Bond Fund \$ 1,150,000 Certificates of Oblig. Issued 449,000 2018 Certificates of Oblig. 1,183,000 TOTAL FUNDED \$ 2,782,000 UNFUNDED \$ 2,960,000 PROJECT TOTAL \$ 5,742,000	
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design		275	293	186	13				767		
Land/Right-of-Way											
Construction		20	2,194	2,394	367				4,975		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		295	2,487	2,580	380				5,742		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds											
GO's/Com Paper Issued		1,150							1,150		
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		449	1,183						1,632		
Other											
Unfunded				2,580	380				2,960		
TOTAL SOURCES		1,599	1,183	2,580	380				5,742		

STRIP MAP

PROJECT SCHEDULE	START	FINISH
Design	5/2012	6/2020
Land/Right-of-Way		
Construction	11/2017	6/2020
Finish Out		
Other		
TOTAL SCHEDULE	5/2012	6/2020

PAGE NO: P06		Unfunded Project							*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.											FUNDING SOURCE(S) 2004 Bond Fund \$ 1,000,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations 2,100 # of Positions _____ Capital _____ Total \$2,100				IMPACT EXPLANATION 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.								TOTAL FUNDED \$ 1,000,000 UNFUNDED \$ PROJECT TOTAL \$ 1,000,000		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total					
Design					100	60			160					
Land/Right-of-Way														
Construction						540	300		840					
Landscaping														
Equip. & Furnish.														
Other														
TOTAL COSTS					100	600	300		1,000					
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total					
Current Funds														
GO's/Com Paper Issued														
GO's Unissued					100	600	300		1,000					
RB's/Com Paper														
Certificates of Obligation														
Other														
Unfunded														
TOTAL SOURCES					100	600	300		1,000					
									PROJECT SCHEDULE		START		FINISH	
									Design		4/2020		6/2021	
									Land/Right-of-Way					
									Construction		8/2021		6/2022	
									Finish Out					
									Other					
TOTAL SCHEDULE											4/2020		6/2022	

STRIP MAP

PAGE NO: P07		Continuing Project		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) 1		
DEPARTMENT PARKS & RECREATION				PROJECT TITLE TUCKERVILLE PARK DEVELOPMENT					PROJECT NO(S). 18329		ACCOUNT NO(S). 614-2499-1832904		
PROJECT DESCRIPTION Initial work in this undeveloped 62-acre Tuckerville Park includes common infrastructure for a park entrance and drive, concrete parking, area lighting, underground utilities, and park signage. Future development includes a Phase I for lighted sports fields, concessions, restrooms, and neighborhood park elements such as a walking path, playground, and site furnishings.									FUNDING SOURCE(S) 2004 Bond Fund \$ 5,000,000				
									TOTAL FUNDED \$ 5,000,000				
									UNFUNDED \$				
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations 10,000 # of Positions _____ Capital Total \$10,000				IMPACT EXPLANATION This is currently an undeveloped 62-acre tract. Maintenance costs for Phase I park development will impact the Operating Budget in 2021-22. Annual cost will be approximately \$10,000 for additional maintenance related to new park development. A more accurate estimate will be developed as design development documents are complete.					PROJECT TOTAL \$ 5,000,000				
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design		16						610	626				
Land/Right-of-Way		140							140				
Construction								4,234	4,234				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		156						4,844	5,000				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued		156							156				
GO's Unissued								4,844	4,844				
RB's/Com Paper										PROJECT SCHEDULE			
Certificates of Obligation										START		FINISH	
Other										12/2005		12/2024	
Unfunded										1/2017		3/2017	
TOTAL SOURCES		156						4,844	5,000	8/2025		12/2027	
										Finish Out			
										Other			
										TOTAL SCHEDULE		12/2005	12/2027

PAGE NO: P08		<i>Continuing Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT PARKS & RECREATION				PROJECT TITLE SKATING/SKATEBOARD FACILITY				PROJECT NO(S). 18330		ACCOUNT NO(S). 614-2499-1833004	
PROJECT DESCRIPTION This funding provides for design and construction of a skate park at Central Park.								FUNDING SOURCE(S)			
								2004 Bond Fund \$ 500,000 2018 Certificates of Oblig. 590,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations 7,500 # of Positions _____ Capital Total \$7,500				IMPACT EXPLANATION The Skating/Skateboard facility will impact the Operating Budget by approximately \$7,500 per year starting in 2019-20. This project will require funding for additional turf and trim maintenance, litter pickup, facility repairs, and site furnishings.							
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design		16	124						140		
Land/Right-of-Way											
Construction		48	902	60					1,010		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		64	1,026	60					1,150		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds											
GO's/Com Paper Issued		450							450		
GO's Unissued			50						50		
RB's/Com Paper											
Certificates of Obligation			590						590		
Other											
Unfunded				60					60		
TOTAL SOURCES		450	640	60					1,150		
PROJECT SCHEDULE		START		FINISH							
Design		12/2015		2/2018							
Land/Right-of-Way											
Construction		11/2017		6/2019							
Finish Out											
Other											
TOTAL SCHEDULE		12/2015		6/2019							

PAGE NO: P09		Continuing Project		CITY OF GARLAND - 2018 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 Ongoing 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.									FUNDING SOURCE(S)			
									2004 Bond Fund \$ 250,000			
									TOTAL FUNDED \$ 250,000			
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION					UNFUNDED \$			
☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations 4,000 # of Positions _____ Capital Total \$4,000				Impacts the Operating Budget by approximately \$4,000 annually in maintenance, repair, and replacement of controllers and equipment.					PROJECT TOTAL \$ 250,000			
									STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design												
Land/Right-of-Way												
Construction		110	140						250			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		110	140						250			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued		250							250	PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation										Construction	11/2017	7/2018
Other										Finish Out		
Unfunded										Other		
TOTAL SOURCES		250							250	TOTAL SCHEDULE	11/2017	7/2018

PAGE NO: P10	Continuing Project	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*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		
PROJECT DESCRIPTION Funding for acquiring additional park land as referenced in the 2012-2022 Park Development Guidelines for greenbelt with trails, recreational development, or natural areas with passive use; includes land, surveys, appraisals, and related expenses for acquisition.										FUNDING SOURCE(S)			
										2004 Bond Fund \$ 1,000,000			
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION							TOTAL FUNDED \$ 1,000,000			
☒ Will Impact Annual Cost/(Savings):			Impact on the Operating Budget is dependent upon condition of the tract - undeveloped or developed. (Example: Acquire an undeveloped tract for connector along greenbelt with fewer or no mowing cycles versus land adjacent to development requiring some additional mowing and edging, tree management, and litter pickup.)							UNFUNDED \$			
☐ Will Not Impact Personnel Operations										PROJECT TOTAL \$ 1,000,000			
# of Positions _____ Capital _____													
Total _____													
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP			
Design													
Land/Right-of-Way		345						655	1,000				
Construction													
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		345						655	1,000				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued		345							345	PROJECT SCHEDULE	START	FINISH	
GO's Unissued								655	655	Design			
RB's/Com Paper										Land/Right-of-Way			
Certificates of Obligation										Construction			
Other										Finish Out			
Unfunded										Other			
TOTAL SOURCES		345						655	1,000	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO:	Unfunded Project						*Amounts in 000's \$	COUNCIL DISTRICT(S)						
P11	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						4							
DEPARTMENT			PROJECT TITLE					PROJECT NO(S).	ACCOUNT NO(S).					
PARKS & RECREATION			AUDUBON PARK PICNIC AREA PAVING REPLCMT.					18334	614-2499-1833404					
PROJECT DESCRIPTION														
Improvements to the existing asphalt paved park road at the picnic area include replacement of pavement with concrete construction, with additional parking spaces and area lighting.														
FUNDING SOURCE(S)														
2004 Bond Fund \$ 700,000														
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%; text-align: right;">TOTAL FUNDED</td> <td style="width:30%; text-align: right;">\$ 700,000</td> </tr> <tr> <td style="text-align: right;">UNFUNDED</td> <td style="text-align: right;">\$</td> </tr> <tr> <td style="text-align: right;">PROJECT TOTAL</td> <td style="text-align: right;">\$ 700,000</td> </tr> </table>									TOTAL FUNDED	\$ 700,000	UNFUNDED	\$	PROJECT TOTAL	\$ 700,000
TOTAL FUNDED	\$ 700,000													
UNFUNDED	\$													
PROJECT TOTAL	\$ 700,000													
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION											
☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			This paving replacement from asphalt to concrete improves the impact on the Operating Budget due to the work currently expended on patching the aging asphalt pavement.											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Design						70		70						
Land/Right-of-Way														
Construction						130	500	630						
Landscaping														
Equip. & Furnish.														
Other														
TOTAL COSTS						200	500	700						
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds														
GO's/Com Paper Issued														
GO's Unissued						200	500	700						
RB's/Com Paper														
Certificates of Obligation														
Other														
Unfunded														
TOTAL SOURCES						200	500	700						

STRIP MAP

Audubon Picnic Area Improvements

PROJECT SCHEDULE	START	FINISH
Design	2/2022	6/2022
Land/Right-of-Way		
Construction	8/2022	4/2023
Finish Out		
Other		
TOTAL SCHEDULE	2/2022	4/2023

PAGE NO: P12		Unfunded Project							*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 ADA accessibility improvements from the parking lot. This 2004 bond project will require additional funding, the amount of which is to be determined prior to the project's preliminary design phase.												FUNDING SOURCE(S) 2004 Bond Fund \$ 425,000		
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations 2,200 # of Positions _____ 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 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total					
Design					60	15	15		90					
Land/Right-of-Way														
Construction						100	235		335					
Landscaping														
Equip. & Furnish.														
Other														
TOTAL COSTS					60	115	250		425					
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total					
Current Funds														
GO's/Com Paper Issued														
GO's Unissued					60	115	250		425					
RB's/Com Paper														
Certificates of Obligation														
Other														
Unfunded														
TOTAL SOURCES					60	115	250		425	PROJECT SCHEDULE		START	FINISH	
										Design		4/2020	11/2022	
										Land/Right-of-Way				
										Construction		8/2021	11/2022	
										Finish Out				
										Other				
TOTAL SCHEDULE										TOTAL SCHEDULE		4/2020	11/2022	

PAGE NO: P14		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) N/A		
CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST												
DEPARTMENT PARKS & RECREATION			PROJECT TITLE PLAYGROUND IMPROVEMENTS					PROJECT NO(S). 18338 18170		ACCOUNT NO(S). 614-2499-1833804 611-2499-1817000		
PROJECT DESCRIPTION Ongoing replacement of equipment and surfacing with equipment and installation in compliance with the Consumer Product Safety Guidelines and related Accessibility Standards. Playgrounds in construction process or starting a concept design include Central Park play area - a universal access concept design including sidewalks, earthwork, and synthetic resilient surfacing and ramps onto the play structure to facilitate wheelchair mobility; replacement of an older wooden playground removed in 2016 at One-Eleven Ranch Park near the reservation pavilion; additional equipment at Betsy Ross Park where improvements were delayed until construction adjacent and through the park were complete; additional equipment near picnic shelter at Rick Oden Park; James Park including resilient surfacing, retaining wall, additional equipment, and sidewalk connections with adjacent streets; and Cullom Park and Oaks Branch playground replacements. Playgrounds are an ongoing capital project and include equipment, resilient surfacing, and accessible walks.								FUNDING SOURCE(S)				
								1991 Bond Fund \$ 38,146 2004 Bond Fund 641,604 Certificates of Oblig. Issued 288,397 Interest 29,433				
								TOTAL FUNDED \$ 997,580				
								UNFUNDED \$ 6,120,000				
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations 600 # of Positions _____ Capital _____ Total \$600				IMPACT EXPLANATION The impact to the 2018-19 Operating Budget for Central Park playground is related to the maintenance of a larger playground area, including replacement of the resilient surfacing, as well as additional equipment needing inspections and related maintenance of shade canopies and site furnishings.								
STRIP MAP												
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		13	60	45	55	55	55	200	483			
Land/Right-of-Way												
Construction		6	918	970	920	920	900	2,000	6,634			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		19	978	1,015	975	975	955	2,200	7,117			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued		680							680	PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation		288							288	Construction		
Other (Interest)		29							29	Finish Out		
Unfunded				1,015	975	975	955	2,200	6,120	Other		
TOTAL SOURCES		997		1,015	975	975	955	2,200	7,117	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: P15		Continuing Project						CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST		*Amounts in 000's \$		COUNCIL DISTRICT(S) All			
DEPARTMENT PARKS & RECREATION				PROJECT TITLE REPAVING OF PARKING LOTS FOR PARKS DEPT.				PROJECT NO(S). 18345		ACCOUNT NO(S). 692-4749-18345XX					
PROJECT DESCRIPTION Funding provides for ongoing replacement of park roads and parking lot paving for the Parks, Recreation and Cultural Arts Department, including replacement of existing deteriorating asphalt pavement with concrete pavement, positive drainage corrections where needed and accessible parking improvements. A phased replacement program indicates a ranked priority of parking lots within many City parks. Phase 1 at Winters Park Soccer Complex and Audubon Recreation Center will be complete by February 2018. Phase 2 (projected 2018) will include parking lots and park road improvements at the north end of Central Park adjacent to other capital improvements in the park. Phase 3 (projected 2019) will include the large parking lot adjacent to Carter Softball Complex. Phase 4 (projected 2020) will include parking lots at Rick Oden Park baseball fields. Phase 5 will include parking lots at Holford Park Recreation Center & swimming pool and Embree Park. Phase 6 will include parking lots at Bill Cody Park and Surf & Swim (Audubon Park).										FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,330,000 2018 Certificates of Oblig. 665,000 TOTAL FUNDED \$ 1,995,000 UNFUNDED \$ 7,815,000 PROJECT TOTAL \$ 9,810,000					
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions Operations Capital Total				IMPACT EXPLANATION											
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP					
Design		110	92	153	100	100	100		655						
Land/Right-of-Way															
Construction		1,183	610	2,877	1,820	1,310	1,355		9,155						
Landscaping															
Equip. & Furnish.															
Other															
TOTAL COSTS		1,293	702	3,030	1,920	1,410	1,455		9,810						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued															
GO's Unissued															
RB's/Com Paper															
Certificates of Obligation		1,330	665						1,995						
Other															
Unfunded				3,030	1,920	1,410	1,455		7,815						
TOTAL SOURCES		1,330	665	3,030	1,920	1,410	1,455		9,810						
										PROJECT SCHEDULE		START		FINISH	
										Design					
										Land/Right-of-Way					
										Construction					
										Finish Out					
										Other					
										TOTAL SCHEDULE		(Ongoing		Project)	

PAGE NO: P16	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 2																					
DEPARTMENT PARKS & RECREATION		PROJECT TITLE PARK OPERATIONS FACILITY IMPROVEMENTS						PROJECT NO(S). 18346	ACCOUNT NO(S). 692-4749-18346XX																					
PROJECT DESCRIPTION Park Maintenance Operations facility improvements.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 601,000																						
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____		IMPACT EXPLANATION An estimated cost will be determined upon completion of the project scope.						TOTAL FUNDED \$ 601,000 UNFUNDED \$ 2,994,000 PROJECT TOTAL \$ 3,595,000																						
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP 																					
Design	339	72				115	50	576																						
Land/Right-of-Way																														
Construction	185					1,740	1,027	2,952																						
Landscaping																														
Equip. & Furnish.																														
Other	2	3				36	26	67																						
TOTAL COSTS	526	75				1,891	1,103	3,595																						
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																						
Current Funds																														
GO's/Com Paper Issued																														
GO's Unissued																														
RB's/Com Paper																														
Certificates of Obligation	601							601																						
Other																														
Unfunded						1,891	1,103	2,994																						
TOTAL SOURCES	601					1,891	1,103	3,595																						
									<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">PROJECT SCHEDULE</td> <td style="width:20%;">START</td> <td style="width:20%;">FINISH</td> </tr> <tr> <td>Design</td> <td>1/2013</td> <td>8/2023</td> </tr> <tr> <td>Land/Right-of-Way</td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td>5/2014</td> <td>9/2023</td> </tr> <tr> <td>Finish Out</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td>1/2014</td> <td>9/2023</td> </tr> <tr> <td>TOTAL SCHEDULE</td> <td>1/2013</td> <td>9/2023</td> </tr> </table>	PROJECT SCHEDULE	START	FINISH	Design	1/2013	8/2023	Land/Right-of-Way			Construction	5/2014	9/2023	Finish Out			Other	1/2014	9/2023	TOTAL SCHEDULE	1/2013	9/2023
PROJECT SCHEDULE	START	FINISH																												
Design	1/2013	8/2023																												
Land/Right-of-Way																														
Construction	5/2014	9/2023																												
Finish Out																														
Other	1/2014	9/2023																												
TOTAL SCHEDULE	1/2013	9/2023																												

PAGE NO: P17	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT PARKS & RECREATION		PROJECT TITLE DOG PARK						PROJECT NO(S). 18347	ACCOUNT NO(S). 692-2499-1834714		
PROJECT DESCRIPTION This project provides funding for the design and construction of a dog park at Central Park.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 355,000 2018 Certificates of Oblig. 700,000			
								TOTAL FUNDED \$ 1,055,000			
								UNFUNDED \$ 61,000			
								PROJECT TOTAL \$ 1,116,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations 15,000 # of Positions Capital Total <u>\$15,000</u>			IMPACT EXPLANATION Impacts to the 2019-20 Operating Budget will be determined upon completion of the design development phase and include maintenance and repair of the following: Class A mowing of an area not yet maintained to that level, automatic turf irrigation, multiple drinking fountains, edging/trimming along walks and fencing, and litter pickup.								
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design		70	37						107		
Land/Right-of-Way											
Construction			948	61					1,009		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		70	985	61					1,116		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		355	700						1,055		
Other											
Unfunded				61					61		
TOTAL SOURCES		355	700	61					1,116		
									STRIP MAP 		
									PROJECT SCHEDULE	START	FINISH
									Design	11/2017	4/2018
									Land/Right-of-Way		
									Construction	6/2018	6/2019
									Finish Out		
									Other		
TOTAL SCHEDULE									11/2017	6/2019	

PAGE NO: P18		Continuing Project						*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 parking lots which are 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 the pavement is replaced.										FUNDING SOURCE(S) <table> <tr> <td>Current Funds</td> <td>\$</td> <td>36,000</td> </tr> <tr> <td>Certificates of Oblig. Issued</td> <td></td> <td>60,000</td> </tr> <tr> <td>2018 Certificates of Oblig.</td> <td></td> <td>40,000</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>TOTAL FUNDED</td> <td>\$</td> <td>136,000</td> </tr> <tr> <td>UNFUNDED</td> <td>\$</td> <td>40,000</td> </tr> <tr> <td>PROJECT TOTAL</td> <td>\$</td> <td>176,000</td> </tr> </table>		Current Funds	\$	36,000	Certificates of Oblig. Issued		60,000	2018 Certificates of Oblig.		40,000				TOTAL FUNDED	\$	136,000	UNFUNDED	\$	40,000	PROJECT TOTAL	\$	176,000
Current Funds	\$	36,000																														
Certificates of Oblig. Issued		60,000																														
2018 Certificates of Oblig.		40,000																														
TOTAL FUNDED	\$	136,000																														
UNFUNDED	\$	40,000																														
PROJECT TOTAL	\$	176,000																														
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION Negligible impact to the Operating Budget as these are replacements to existing lighting fixtures.																												
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP																						
Design			20						20																							
Land/Right-of-Way																																
Construction			116	40					156																							
Landscaping																																
Equip. & Furnish.																																
Other																																
TOTAL COSTS			136	40					176																							
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																							
Current Funds		36							36																							
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH																				
GO's Unissued										Design																						
RB's/Com Paper										Land/Right-of-Way																						
Certificates of Obligation		60	40						100	Construction																						
Other										Finish Out																						
Unfunded				40					40	Other																						
TOTAL SOURCES		96	40	40					176	TOTAL SCHEDULE	(Ongoing	Project)																				

[illegible]

PAGE NO: P20	Continuing Project							*Amounts in 000's \$	COUNCIL DISTRICT(S) 4			
DEPARTMENT PARKS & RECREATION				PROJECT TITLE PEDESTRIAN/BIKE BRIDGES - DUCK CREEK					PROJECT NO(S). 18351		ACCOUNT NO(S). 692-2499-1835100	
PROJECT DESCRIPTION Erosion is undermining two existing drainage crossings installed in 1974 during the construction of the first phase of the Duck Creek Greenbelt Trail near Duck Creek Drive. Funding provides for engineering and construction of these two crossings which provide passage over the drainageways for pedestrians, bicycles, and park maintenance equipment.									FUNDING SOURCE(S)			
									Certificates of Oblig. Issued \$ 225,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____									TOTAL FUNDED \$ 225,000			
									UNFUNDED \$ _____			
									PROJECT TOTAL \$ 225,000			
									STRIP MAP			
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design		25						25				
Land/Right-of-Way												
Construction		200						200				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		225						225				
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 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	2/2018	5/2018	
									Land/Right-of-Way			
									Construction	8/2018	12/2018	
									Finish Out			
									Other			
									TOTAL SCHEDULE	2/2018	12/2018	

PAGE NO:	Continuing Project						*Amounts in 000's \$	COUNCIL DISTRICT(S)
P21	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							2
DEPARTMENT			PROJECT TITLE				PROJECT NO(S).	ACCOUNT NO(S).
PARKS & RECREATION			GRANVILLE ARTS CENTER - ART SCULPTURE				18352	692-2499-1835200
PROJECT DESCRIPTION								
This project provides for the design and fabrication of a cast bronze 17-foot-high by 8-foot-wide sculpture which will be placed at the front entrance drive to the Granville Arts Center. The cast bronze sculpture is funded through the City's Capital Improvement Program, the Garland Cultural Arts Commission, Inc., and other outside sources of funding.								
FUNDING SOURCE(S)								
Reimbursement							\$	200,000
Current Funds								100,000
TOTAL FUNDED							\$	300,000
UNFUNDED							\$	
PROJECT TOTAL							\$	300,000
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION					
☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____			There is minimal impact to the Operating Budget for general cleaning of the cast bronze sculpture.					
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total
Design								
Land/Right-of-Way								
Construction	266	34						300
Landscaping								
Equip. & Furnish.								
Other								
TOTAL COSTS	266	34						300
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total
Current Funds	100							100
GO's/Com Paper Issued								
GO's Unissued								
RB's/Com Paper								
Certificates of Obligation								
Other (Reimbursement)	200							200
Unfunded								
TOTAL SOURCES	300							300

STRIP MAP

	PROJECT SCHEDULE	START		FINISH
	Design			
	Land/Right-of-Way			
	Construction	5/2016		3/2018
	Finish Out			
	Other			
TOTAL SCHEDULE		5/2016		3/2018

PAGE NO: P22	<i>Continuing Project</i>	CITY OF GARLAND - 2018 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 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 for the work needed for replacement with structural engineering design, sealed drawings, and construction related to overhead steel and fabric replacements.											
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION						FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 180,000 TOTAL FUNDED \$ 180,000 UNFUNDED \$ PROJECT TOTAL \$ 180,000	
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 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 12-2017	2018	2019	2020	2021	2022	2023 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

Carter Softball Complex
Barrel Canopy
Replacements

PROJECT SCHEDULE	START	FINISH
Design	2/2018	4/2018
Land/Right-of-Way		
Construction	7/2018	12/2018
Finish Out		
Other		
TOTAL SCHEDULE	2/2018	12/2018

PAGE NO: P23		Continuing Project CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$		COUNCIL DISTRICT(S) 3, 4			
DEPARTMENT PARKS & RECREATION			PROJECT TITLE GREENBELT DRAINAGE IMPROVEMENTS					PROJECT NO(S). 18354		ACCOUNT NO(S). 692-2499-1835400			
PROJECT DESCRIPTION This project funds the design and construction repairs to drainage structures in parks which sustained severe damage during periods of flooding in 2015, including 1) repairs to a section of gabion basket bank stabilization in Meadowcreek Branch Greenbelt Park, a tributary of Duck Creek and located where the meander of the bank is near residential rear yard properties; 2) the low water crossing's concrete bank stabilization located adjacent to both the crossing and adjacent trail switchback, which provides accessible path to the low water crossing; and 3) Arnold & Carol Ablon Park near the pond where the erosion of soil around and under the trail is damaging concrete structures.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 180,000 2018 Certificates of Oblig. 480,000					
								TOTAL FUNDED		\$ 660,000			
								UNFUNDED		\$ 315,000			
								PROJECT TOTAL		\$ 975,000			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions Operations Capital Total			IMPACT EXPLANATION There is no impact to the Operating Budget. This involves repairs to bank stabilization structures in parks.					STRIP MAP Various locations.					
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Design		55	85	15									155
Land/Right-of-Way													
Construction			520	300									820
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		55	605	315									975
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation		180	480						660				
Other													
Unfunded				315					315				
TOTAL SOURCES		180	480	315					975				
										PROJECT SCHEDULE START FINISH			
										Design 12/2017 12/2019			
										Land/Right-of-Way			
										Construction 7/2018 12/2019			
										Finish Out			
										Other			
										TOTAL SCHEDULE 12/2017 12/2019			

PAGE NO: P24		New Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) All		
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) 2018 Certificates of Oblig. \$ 182,000		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION								
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design			32						32			
Land/Right-of-Way												
Construction			150	300					450			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS			182	300					482			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design	3/2018	12/2018
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation			182						182	Construction	3/2018	12/2019
Other										Finish Out		
Unfunded				300					300	Other		
TOTAL SOURCES			182	300					482	TOTAL SCHEDULE	3/2018	12/2019

STREET/TRANSPORTATION DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Engineering</u>											
14176	New Sidewalks	ST01	CF/GOB04	\$2,225	\$550	\$350	\$350	\$100	\$0	\$0	\$3,575
14200	Street and Alley Petition	ST02	GOB04	25	125	325	325	325	325	350	1,800
14202	Sidewalk / Curb & Gutter Participation	ST03	GOB04/Other	2,855	380	250	250	110	0	0	3,845
14255	Fifth St. - Miller to Ave. D - Phase B - Drainage	ST04	GOB04	3,671	0	0	0	0	0	1,489	5,160
14261	Oates Road - Broadway to Rosehill	ST05	GOB04	310	1,150	3,564	0	0	0	0	5,024
14264	Callejo Road - Botello to Campbell	ST06	GOB04/UNF	0	0	0	0	300	0	6,100	6,400
14265	Chaha Road - I.H. 30 to Zion	ST07	GOB04	0	0	0	0	0	0	1,000	1,000
14266	Chaha Rd. - I.H. 30 to Lake Ray Hubbard Pkwy.	ST08	GOB04	778	0	0	0	0	0	2,422	3,200
14272	Bobtown Road - Rowlett to Waterhouse	ST09	GOB04/UNF	414	925	4,100	1,500	0	0	0	6,939
14273	Brand Road - S.H. 190 to Muirfield	ST10	GOB04/UNF	540	50	50	300	7,100	1,000	0	9,040
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	GOB04/UNF/Other	1,919	4,411	5,410	4,180	0	0	0	15,920
14292	Pleasant Valley Road - Richfield to Miles	ST12	CO/Other/UNF	20,232	10,120	0	0	0	0	0	30,352
14301	Screen Wall Reconstruction	ST13	CO/UNF	9	100	100	100	41	0	0	350
14302	Naaman School / Brand Alignment Study	ST14	CO/CF	50	450	100	100	0	0	0	700
14303	Waterhouse - Bobtown to Hayman	ST15	CF/UNF	250	250	1,260	615	0	0	0	2,375
14305	Holford Road - PGBT to Creekwood	ST16	CO/Other/UNF	250	300	1,300	4,450	0	0	0	6,300
14306	Holford Road - Arapaho to PGBT	ST17	CO/UNF	250	200	2,150	1,400	1,400	6,900	0	12,300
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	0	1,000	0	0	0	0	0	1,000
<u>Transportation</u>											
15640	Operational and Safety Improvements	ST20	GOB04/INT	1,020	407	125	125	120	120	0	1,917
15219	Miscellaneous Equipment and Services	ST21	Other	8	48	0	0	0	0	0	56
15600	New Traffic Signal Installations	ST22	GOB04/Other	565	138	150	150	300	300	613	2,216
15544	LED Replacement Program	ST23	CF	455	50	0	0	0	0	0	505
15530	Traffic Control System	ST24	GOB04/Other	1,339	885	900	200	250	250	1,276	5,100
15547	Emergency Services Signal Equipment	ST25	GOB04/INT	69	31	110	110	115	115	0	550
15578	Railroad Crossing Improvements	ST26	GOB97/04	0	100	100	100	100	100	697	1,197
15596	North-South Bikeway	ST27	GOB97/Other/UNF	273	0	717	2,585	0	0	0	3,575
15620	Signal Equipment Modernizations	ST28	CF/GOB04/Other	1,934	1,097	37	37	57	57	191	3,410
15751	Train Quiet Zone	ST29	GOB04	317	0	0	0	0	0	1,783	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 2018)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Street</u>											
39818	Street Reconstruction and Improvements	ST32	CO/UNF	7,900	10,638	10,167	11,668	12,198	12,263	0	64,834
39833	* Linda Drive - Cumberland Dr. to Dairy Rd.	ST33	CDBG	0	331	0	0	0	0	0	331
39834	* High Hollow Drive - High Grove to High Mesa	ST34	CDBG	0	172	0	0	0	0	0	172
39835	* Freemont Drive - Miller to Southwood	ST35	CDBG	0	347	0	0	0	0	0	347
39836	* Alto Drive - Curtis Drive to Dairy Road	ST36	CDBG	0	157	0	0	0	0	0	157
	Undesignated - Street/Transportation		GOB97	0	0	0	0	0	0	259	259
	Undesignated - Street/Transportation		GOB04	0	0	0	0	0	0	22,210	22,210
Total				<u>\$47,667</u>	<u>\$35,661</u>	<u>\$31,973</u>	<u>\$29,252</u>	<u>\$23,516</u>	<u>\$21,430</u>	<u>\$38,390</u>	<u>\$227,889</u>
Total Existing CO's/CF/Other				\$30,937	\$12,937	\$7,869	\$6,399	\$1,000	\$0	\$0	\$59,142
2018 Certificate of Obligation				0	12,875	0	0	0	0	0	12,875
Total Unfunded				0	0	13,215	20,706	13,639	19,603	400	67,563
Total 1997 Bond Program				273	100	334	0	0	0	259	966
Total 2004 Bond Program				16,457	9,749	10,555	2,147	8,877	1,827	37,731	87,343
Total				<u>\$47,667</u>	<u>\$35,661</u>	<u>\$31,973</u>	<u>\$29,252</u>	<u>\$23,516</u>	<u>\$21,430</u>	<u>\$38,390</u>	<u>\$227,889</u>

*Project funded for the first time

STREET/TRANSPORTATION DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
UNAPPROVED PROJECTS

PROJ. NO.	Project Description	Page	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Engineering</u>										
14312	* Naaman School / Brand Rd Construction	ST37	\$0	\$0	\$0	\$0	\$1,000	\$6,000	\$6,000	\$13,000
	Total		\$0	\$0	\$0	\$0	\$1,000	\$6,000	\$6,000	\$13,000

* Project requested for the first time

STREET/TRANSPORTATION DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Engineering</u>										
14176	New Sidewalks	ST01	Appr.	\$200	\$350	\$350	\$100	\$0	\$0	\$1,000
14200	Street and Alley Petition	ST02	Appr.	0	132	325	325	325	350	1,457
14202	Sidewalk / Curb & Gutter Participation	ST03	Appr.	335	250	250	110	0	0	945
14255	Fifth St. - Miller to Ave. D - Phase B - Drainage	ST04	Appr.	0	0	0	0	0	1,489	1,489
14261	Oates Road - Broadway to Rosehill	ST05	Appr.	0	3,490	0	0	0	0	3,490
14264	Callejo Road - Botello to Campbell	ST06	Appr.	0	0	0	300	0	6,100	6,400
14265	Chaha Road - I.H. 30 to Zion	ST07	Appr.	0	0	0	0	0	1,000	1,000
14266	Chaha Rd. - I.H. 30 to Lake Ray Hubbard Pkwy.	ST08	Appr.	0	0	0	0	0	2,422	2,422
14272	Bobtown Road - Rowlett to Waterhouse	ST09	Appr.	589	4,100	1,500	0	0	0	6,189
14273	Brand Road - S.H. 190 to Muirfield	ST10	Appr.	50	50	300	7,100	1,000	0	8,500
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	Appr.	0	0	2,688	0	0	0	2,688
14292	Pleasant Valley Road - Richfield to Miles	ST12	Appr.	3,455	0	0	0	0	0	3,455
14301	Screen Wall Reconstruction	ST13	Appr.	0	59	100	41	0	0	200
14303	Waterhouse - Bobtown to Hayman	ST15	Appr.	100	175	600	0	0	0	875
14305	Holford Road - PGBT to Creekwood	ST16	Appr.	250	700	1,875	0	0	0	2,825
14306	Holford Road - Arapaho to PGBT	ST17	Appr.	0	1,875	1,400	1,400	6,900	0	11,575
14311	* Leon Road	ST19	Appr.	1,000	0	0	0	0	0	1,000
14312	Naaman School / Brand Road Construction	ST37	Unappr.	0	0	0	1,000	6,000	6,000	13,000
<u>Transportation</u>										
15640	Operational and Safety Improvements	ST20	Appr.	0	125	125	120	120	0	490
15600	New Traffic Signal Installations	ST22	Appr.	0	25	150	300	300	613	1,388
15530	Traffic Control System	ST24	Appr.	630	900	200	250	250	1,276	3,506
15547	Emergency Services Signal Equipment	ST25	Appr.	0	110	110	115	115	0	450
15578	Railroad Crossing Improvements	ST26	Appr.	0	0	3	100	100	697	900
15596	North-South Bikeway	ST27	Appr.	0	0	1,025	0	0	0	1,025
15620	Signal Equipment Modernizations	ST28	Appr.	821	37	37	57	57	191	1,200
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.	8,070	10,167	11,668	12,198	12,263	0	54,366
	Undesignated - Street/Transportation		Appr.	0	0	0	0	0	22,469	22,469
Total				<u>\$15,500</u>	<u>\$22,545</u>	<u>\$22,706</u>	<u>\$23,516</u>	<u>\$27,430</u>	<u>\$44,282</u>	<u>\$155,979</u>
Total Approved				\$15,500	\$22,545	\$22,706	\$22,516	\$21,430	\$38,282	\$142,979
Total Unapproved				0	0	0	1,000	6,000	6,000	13,000
Total				<u>\$15,500</u>	<u>\$22,545</u>	<u>\$22,706</u>	<u>\$23,516</u>	<u>\$27,430</u>	<u>\$44,282</u>	<u>\$155,979</u>

*Projects funded for the first time

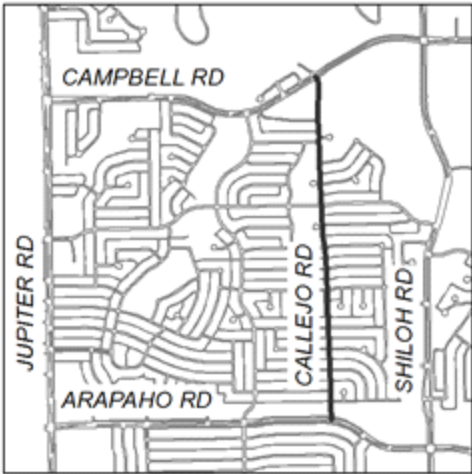
PAGE NO: ST01		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) All		
DEPARTMENT ENGINEERING				PROJECT TITLE NEW SIDEWALKS				PROJECT NO(S). 14176		ACCOUNT NO(S). 624-1409-1417604		
PROJECT DESCRIPTION This program is for the construction of new sidewalks or missing sidewalk segments.								FUNDING SOURCE(S) 2004 Bond Fund \$ 3,450,000 Current Funds 125,035				
								TOTAL FUNDED \$ 3,575,035 UNFUNDED \$ PROJECT TOTAL \$ 3,575,035				
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION								
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design		135	280	80	80	15			590			
Land/Right-of-Way			20	20	20	15			75			
Construction		2,090	250	250	250	70			2,910			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		2,225	550	350	350	100			3,575			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		125							125			
GO's/Com Paper Issued		2,450							2,450	PROJECT SCHEDULE	START	FINISH
GO's Unissued			200	350	350	100			1,000	Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation										Construction		
Other										Finish Out		
Unfunded										Other		
TOTAL SOURCES		2,575	200	350	350	100			3,575	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: ST02		<i>Continuing Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) All			
DEPARTMENT ENGINEERING			PROJECT TITLE STREET AND ALLEY PETITION					PROJECT NO(S). 14200		ACCOUNT NO(S). 624-1409-1420004			
PROJECT DESCRIPTION This program reserves funds to participate with property owners in the Volunteer Street and Alley Petition Program within the city.								FUNDING SOURCE(S)					
								2004 Bond Fund				\$ 1,800,000	
								TOTAL FUNDED				\$ 1,800,000	
								UNFUNDED				\$	
PROJECT TOTAL				\$ 1,800,000									
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION									
☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____													
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP			
Design		25	75	75	75	75	75	75	475				
Land/Right-of-Way													
Construction			50	250	250	250	250	275	1,325				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		25	125	325	325	325	325	350	1,800				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued		343							343	PROJECT SCHEDULE	START	FINISH	
GO's Unissued				132	325	325	325	350	1,457	Design			
RB's/Com Paper										Land/Right-of-Way			
Certificates of Obligation										Construction			
Other										Finish Out			
Unfunded										Other			
TOTAL SOURCES		343		132	325	325	325	350	1,800	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: ST03	CITY OF GARLAND - 2018 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 673,115						
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION							TOTAL FUNDED \$ 3,844,646 UNFUNDED \$ _____ PROJECT TOTAL \$ 3,844,646					
									STRIP MAP						
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Design		24	30	30	30	10			124						
Land/Right-of-Way															
Construction		2,831	350	220	220	100			3,721						
Landscaping															
Equip. & Furnish.															
Other															
TOTAL COSTS		2,855	380	250	250	110			3,845						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued		2,227							2,227	PROJECT SCHEDULE	START	FINISH			
GO's Unissued			335	250	250	110			945	Design					
RB's/Com Paper										Land/Right-of-Way					
Certificates of Obligation										Construction					
Other (Sidewalk Partic.)		628	45						673	Finish Out					
Unfunded										Other					
TOTAL SOURCES		2,855	380	250	250	110			3,845	TOTAL SCHEDULE	(Ongoing	Project)			

PAGE NO: ST04	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 2																																																																																
DEPARTMENT ENGINEERING			PROJECT TITLE FIFTH ST. - MILLER TO AVE. D - PH. B - DRAINAGE					PROJECT NO(S). 14255	ACCOUNT NO(S). 624-1409-1425504																																																																																	
PROJECT DESCRIPTION Funding is provided for design, land acquisition, permitting, offsite drainage system, and construction cost related to reconstruction of a Type "E" thoroughfare. All work with the exception of an offsite drainage system has been completed.										FUNDING SOURCE(S) 2004 Bond Fund \$ 5,160,000																																																																																
										TOTAL FUNDED \$ 5,160,000																																																																																
										UNFUNDED \$																																																																																
										PROJECT TOTAL \$ 5,160,000																																																																																
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION							STRIP MAP 																																																																																
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*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																		
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PROJECT SCHEDULE		START	FINISH																																																																																							
Design	9/2007	12/2023																																																																																								
Land/Right-of-Way	6/2007	1/2016																																																																																								
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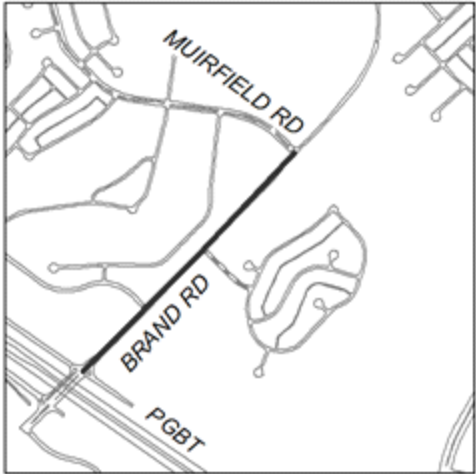
PAGE NO: ST05	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 4
DEPARTMENT ENGINEERING		PROJECT TITLE OATES ROAD - BROADWAY TO ROSEHILL						PROJECT NO(S). 14261	ACCOUNT NO(S). 624-1409-1426104
PROJECT DESCRIPTION Funding is provided for the design, land acquisition, permitting, widening, and improvements based on the Thoroughfare Plan.								FUNDING SOURCE(S)	
								2004 Bond Fund \$ 5,024,098	
								TOTAL FUNDED \$ 5,024,098	
								UNFUNDED \$	
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		IMPACT EXPLANATION						PROJECT TOTAL \$ 5,024,098	
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP 
Design	300	150	150					600	
Land/Right-of-Way	10							10	
Construction		1,000	3,314					4,314	
Landscaping			100					100	
Equip. & Furnish.									
Other									
TOTAL COSTS	310	1,150	3,564					5,024	
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	
Current Funds									
GO's/Com Paper Issued	1,534							1,534	
GO's Unissued			3,490					3,490	
RB's/Com Paper									
Certificates of Obligation									
Other									
Unfunded									
TOTAL SOURCES	1,534		3,490					5,024	
PROJECT SCHEDULE		START		FINISH					
Design		11/2013		6/2019					
Land/Right-of-Way		1/2016		12/2017					
Construction		6/2018		12/2019					
Finish Out									
Other									
TOTAL SCHEDULE		11/2013		12/2019					

PAGE NO: ST06	<i>Unfunded Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 7																					
DEPARTMENT ENGINEERING		PROJECT TITLE CALLEJO ROAD - BOTELLO TO CAMPBELL						PROJECT NO(S). 14264	ACCOUNT NO(S). 624-1409-1426404																					
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																						
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		IMPACT EXPLANATION						TOTAL FUNDED \$ 6,000,000 UNFUNDED \$ 400,000 PROJECT TOTAL \$ 6,400,000																						
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP 																					
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 12-2017	2018	2019	2020	2021	2022	2023 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																						
									<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>PROJECT SCHEDULE</td> <td>START</td> <td>FINISH</td> </tr> <tr> <td>Design</td> <td>6/2021</td> <td>12/2025</td> </tr> <tr> <td>Land/Right-of-Way</td> <td>3/2023</td> <td>12/2023</td> </tr> <tr> <td>Construction</td> <td>5/2024</td> <td>12/2025</td> </tr> <tr> <td>Finish Out</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td>TOTAL SCHEDULE</td> <td>6/2021</td> <td>12/2025</td> </tr> </table>	PROJECT SCHEDULE	START	FINISH	Design	6/2021	12/2025	Land/Right-of-Way	3/2023	12/2023	Construction	5/2024	12/2025	Finish Out			Other			TOTAL SCHEDULE	6/2021	12/2025
PROJECT SCHEDULE	START	FINISH																												
Design	6/2021	12/2025																												
Land/Right-of-Way	3/2023	12/2023																												
Construction	5/2024	12/2025																												
Finish Out																														
Other																														
TOTAL SCHEDULE	6/2021	12/2025																												

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

PAGE NO: ST08	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 3
DEPARTMENT ENGINEERING			PROJECT TITLE CHAHA RD. - I.H. 30 TO LAKE RAY HUBBARD PKWY.					PROJECT NO(S). 14266	ACCOUNT NO(S). 624-1409-1426604	
PROJECT DESCRIPTION Funding is provided for the design, land acquisition, permitting, and construction costs related to the reconstruction of a Type "F" thoroughfare. A portion of the funding was used for construction related to the Harbor Point project in 2005-2006. Phase II is projected to start in 2023.									FUNDING SOURCE(S)	
									2004 Bond Fund \$ 3,200,000	
									TOTAL FUNDED \$ 3,200,000	
									UNFUNDED \$	
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION							
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP 	
Design	75						394	469		
Land/Right-of-Way	703						70	773		
Construction							1,958	1,958		
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS	778						2,422	3,200		
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds										
GO's/Com Paper Issued	778							778		
GO's Unissued							2,422	2,422		
RB's/Com Paper										
Certificates of Obligation										
Other										
Unfunded										
TOTAL SOURCES	778						2,422	3,200	PROJECT SCHEDULE Design 3/2009 12/2025 Land/Right-of-Way 1/2010 12/2025 Construction 4/2023 12/2025 Finish Out Other	
TOTAL SCHEDULE									3/2009	12/2025

PAGE NO: ST09		Continuing Project		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) 3, 4	
DEPARTMENT ENGINEERING				PROJECT TITLE BOBTOWN ROAD - ROWLETT TO WATERHOUSE					PROJECT NO(S). 14272		ACCOUNT NO(S). 624-1409-1427204	
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 Waterhouse (Project 14303).									FUNDING SOURCE(S) 2004 Bond Fund \$ 5,200,000			
									TOTAL FUNDED		\$ 5,200,000	
									UNFUNDED		\$ 1,739,000	
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____									IMPACT EXPLANATION			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP 		
Design		414	400	700					1,514			
Land/Right-of-Way			25						25			
Construction			500	3,400	1,500				5,400			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		414	925	4,100	1,500				6,939			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued		750							750	PROJECT SCHEDULE	START	FINISH
GO's Unissued			589	3,861					4,450	Design	9/2014	3/2019
RB's/Com Paper										Land/Right-of-Way	1/2018	6/2018
Certificates of Obligation										Construction	1/2018	12/2020
Other										Finish Out		
Unfunded				239	1,500				1,739	Other		
TOTAL SOURCES		750	589	4,100	1,500				6,939	TOTAL SCHEDULE	9/2014	12/2020

PAGE NO: ST10	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 1																																																																																																																																																																														
DEPARTMENT ENGINEERING		PROJECT TITLE BRAND ROAD - S.H. 190 TO MUIRFIELD						PROJECT NO(S). 14273	ACCOUNT NO(S). 624-1409-1427304																																																																																																																																																																														
PROJECT DESCRIPTION Funding 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																																																																																																																																																																															
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IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		IMPACT EXPLANATION						PROJECT TOTAL \$ 9,040,000																																																																																																																																																																															
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*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																																																																																																															
Design	540	50	50	200	200			1,040																																																																																																																																																																															
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TOTAL SOURCES	540	50	50	300	7,100	1,000		9,040																																																																																																																																																																															
PROJECT SCHEDULE	START	FINISH																																																																																																																																																																																					
Design	1/2016	1/2021																																																																																																																																																																																					
Land/Right-of-Way	1/2020	6/2020																																																																																																																																																																																					
Construction	12/2021	12/2022																																																																																																																																																																																					
Finish Out																																																																																																																																																																																							
Other																																																																																																																																																																																							
TOTAL SCHEDULE	1/2016	12/2022																																																																																																																																																																																					

PAGE NO: ST11	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 5																																																																																
DEPARTMENT ENGINEERING		PROJECT TITLE SHILOH ROAD - I.H. 635 TO KINGSLEY						PROJECT NO(S). 14288	ACCOUNT NO(S). 624-1409-1428804																																																																																
PROJECT DESCRIPTION Funding is provided for the design, land acquisition, permitting, and construction costs related to the expansion of the current facility from four to six lanes. This project is being accomplished in partnership with Dallas County. Funding sources updated to reflect additional commitment from Dallas County of \$1,000,000.								FUNDING SOURCE(S) 2004 Bond Fund \$ 7,200,000 Dallas County 5,740,000 Certificates of Oblig. Issued 442,000 TOTAL FUNDED \$ 13,382,000 UNFUNDED \$ 2,538,000 PROJECT TOTAL \$ 15,920,000																																																																																	
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION						STRIP MAP 																																																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">*PROJECT COSTS</th> <th style="width:10%;">Thru 12-2017</th> <th style="width:10%;">2018</th> <th style="width:10%;">2019</th> <th style="width:10%;">2020</th> <th style="width:10%;">2021</th> <th style="width:10%;">2022</th> <th style="width:10%;">2023 to Completion</th> <th style="width:10%;">Total</th> </tr> <tr> <td>Design</td> <td>1,896</td> <td>410</td> <td>410</td> <td>430</td> <td></td> <td></td> <td></td> <td>3,146</td> </tr> <tr> <td>Land/Right-of-Way</td> <td>23</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>24</td> </tr> <tr> <td>Construction</td> <td></td> <td>4,000</td> <td>5,000</td> <td>3,500</td> <td></td> <td></td> <td></td> <td>12,500</td> </tr> <tr> <td>Landscaping</td> <td></td> <td></td> <td></td> <td>250</td> <td></td> <td></td> <td></td> <td>250</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>1,919</td> <td>4,411</td> <td>5,410</td> <td>4,180</td> <td></td> <td></td> <td></td> <td>15,920</td> </tr> </table>											*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Design	1,896	410	410	430				3,146	Land/Right-of-Way	23	1						24	Construction		4,000	5,000	3,500				12,500	Landscaping				250				250	Equip. & Furnish.									Other									TOTAL COSTS	1,919	4,411	5,410	4,180				15,920							
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																	
Design	1,896	410	410	430				3,146																																																																																	
Land/Right-of-Way	23	1						24																																																																																	
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TOTAL COSTS	1,919	4,411	5,410	4,180				15,920																																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">*SOURCE OF FUNDS</th> <th style="width:10%;">Thru 12-2017</th> <th style="width:10%;">2018</th> <th style="width:10%;">2019</th> <th style="width:10%;">2020</th> <th style="width:10%;">2021</th> <th style="width:10%;">2022</th> <th style="width:10%;">2023 to Completion</th> <th style="width:10%;">Total</th> </tr> <tr> <td>Current Funds</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>7,050</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7,050</td> </tr> <tr> <td>GO's Unissued</td> <td></td> <td></td> <td></td> <td>150</td> <td></td> <td></td> <td></td> <td>150</td> </tr> <tr> <td>RB's/Com Paper</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Certificates of Obligation</td> <td>442</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>442</td> </tr> <tr> <td>Other (Dallas County)</td> <td></td> <td>160</td> <td>4,580</td> <td>1,000</td> <td></td> <td></td> <td></td> <td>5,740</td> </tr> <tr> <td>Unfunded</td> <td></td> <td></td> <td></td> <td>2,538</td> <td></td> <td></td> <td></td> <td>2,538</td> </tr> <tr> <td>TOTAL SOURCES</td> <td>7,492</td> <td>160</td> <td>4,580</td> <td>3,688</td> <td></td> <td></td> <td></td> <td>15,920</td> </tr> </table>									*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Current Funds									GO's/Com Paper Issued	7,050							7,050	GO's Unissued				150				150	RB's/Com Paper									Certificates of Obligation	442							442	Other (Dallas County)		160	4,580	1,000				5,740	Unfunded				2,538				2,538	TOTAL SOURCES	7,492	160	4,580	3,688				15,920
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																	
Current Funds																																																																																									
GO's/Com Paper Issued	7,050							7,050																																																																																	
GO's Unissued				150				150																																																																																	
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Certificates of Obligation	442							442																																																																																	
Other (Dallas County)		160	4,580	1,000				5,740																																																																																	
Unfunded				2,538				2,538																																																																																	
TOTAL SOURCES	7,492	160	4,580	3,688				15,920																																																																																	
PROJECT SCHEDULE		START	FINISH																																																																																						
Design		6/2007	6/2020																																																																																						
Land/Right-of-Way		1/2016	3/2018																																																																																						
Construction		6/2018	12/2020																																																																																						
Finish Out																																																																																									
Other																																																																																									
TOTAL SCHEDULE		6/2007	12/2020																																																																																						

PAGE NO: ST12	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A		
DEPARTMENT ENGINEERING		PROJECT TITLE PLEASANT VALLEY ROAD - RICHFIELD TO MILES						PROJECT NO(S). 14292	ACCOUNT NO(S). 693-1409-1429200		
PROJECT DESCRIPTION Funding is provided for the design, land acquisition, permitting, and construction related to the bridge and roadway improvements on Pleasant Valley Road over Rowlett Creek.								FUNDING SOURCE(S)			
								RTR \$ 21,476,000			
								Dallas County 2,700,000			
								Certificates of Oblig. Issued 2,291,000			
		Current Funds 429,654									
		2018 Certificates of Oblig. 3,455,000									
		TOTAL FUNDED \$ 30,351,654									
		UNFUNDED \$									
		PROJECT TOTAL \$ 30,351,654									
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		IMPACT EXPLANATION						STRIP MAP 			
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design	2,800	620						3,420			
Land/Right-of-Way	432							432			
Construction	17,000	9,500						26,500			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	20,232	10,120						30,352			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds	430							430			
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	2,291	3,455						5,746			
Other (RTR/Dallas Cnty)	21,476	2,700						24,176			
Unfunded											
TOTAL SOURCES	24,197	6,155						30,352			
									PROJECT SCHEDULE	START	FINISH
									Design	1/2010	12/2018
									Land/Right-of-Way	10/2012	6/2016
									Construction	6/2016	6/2018
									Finish Out		
									Other		
TOTAL SCHEDULE									1/2010	12/2018	

PAGE NO: ST13		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT ENGINEERING				PROJECT TITLE SCREEN WALL RECONSTRUCTION					PROJECT NO(S). 14301		ACCOUNT NO(S). 692-1409-1430114	
PROJECT DESCRIPTION This program provides funding for the repair and reconstruction of City-owned screening walls.									FUNDING SOURCE(S)			
									Certificates of Oblig. Issued		\$	150,000
									TOTAL FUNDED		\$	150,000
									UNFUNDED		\$	200,000
PROJECT TOTAL		\$	350,000									
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION								
☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____												
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design												
Land/Right-of-Way												
Construction		9	100	100	100	41			350			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		9	100	100	100	41			350			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation		150							150	Construction		
Other										Finish Out		
Unfunded				59	100	41			200	Other		
TOTAL SOURCES		150		59	100	41			350	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: ST14	CITY OF GARLAND - 2018 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 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.									FUNDING SOURCE(S)				
									Certificates of Oblig. Issued		\$	150,000	
									Current Funds			550,000	
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION						TOTAL FUNDED			\$	700,000
Annual Cost/(Savings):									UNFUNDED			\$	
Personnel Operations									PROJECT TOTAL			\$	700,000
Capital Total													
☐ Will Impact									STRIP MAP				
☒ Will Not Impact													
# of Positions _____													
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design		50	450	100	100				700				
Land/Right-of-Way													
Construction													
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		50	450	100	100				700				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds		550							550				
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH	
GO's Unissued										Design	4/2014	6/2020	
RB's/Com Paper										Land/Right-of-Way			
Certificates of Obligation		150							150	Construction			
Other										Finish Out			
Unfunded										Other			
TOTAL SOURCES		700							700	TOTAL SCHEDULE	4/2014	6/2020	

PAGE NO: ST15	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 3, 4		
DEPARTMENT ENGINEERING		PROJECT TITLE WATERHOUSE - BOBTOWN TO HAYMAN						PROJECT NO(S). 14303	ACCOUNT NO(S). 692-1409-1430315		
PROJECT DESCRIPTION Construction of Waterhouse Road into a three-lane, 37-foot B-B section with six-foot sidewalks, utilities, and drainage improvements from Bobtown to Hayman. This is in conjunction with the Bobtown Road project (14272).								FUNDING SOURCE(S)			
								Current Funds \$ 1,500,000			
								2018 Certificates of Oblig. 100,000			
								<table style="width:100%;"> <tr> <td style="text-align: right;">TOTAL FUNDED</td> <td style="text-align: right;">\$ 1,600,000</td> </tr> <tr> <td style="text-align: right;">UNFUNDED</td> <td style="text-align: right;">\$ 775,000</td> </tr> <tr> <td style="text-align: right;">PROJECT TOTAL</td> <td style="text-align: right;">\$ 2,375,000</td> </tr> </table>		TOTAL FUNDED	\$ 1,600,000
TOTAL FUNDED	\$ 1,600,000										
UNFUNDED	\$ 775,000										
PROJECT TOTAL	\$ 2,375,000										
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION						STRIP MAP 		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total
Design		250	40	60	15						365
Land/Right-of-Way			10								10
Construction			200	1,200	600				2,000		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		250	250	1,260	615				2,375		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds		400		1,085	15				1,500		
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation			100						100		
Other											
Unfunded				175	600				775		
TOTAL SOURCES		400	100	1,260	615				2,375		
		PROJECT SCHEDULE		START		FINISH					
		Design		1/2016		12/2020					
		Land/Right-of-Way									
		Construction		2/2018		12/2020					
		Finish Out									
		Other									
		TOTAL SCHEDULE		1/2016		12/2020					

PAGE NO: ST16	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 1		
DEPARTMENT ENGINEERING		PROJECT TITLE HOLFORD ROAD - PGBT TO CREEKWOOD						PROJECT NO(S). 14305	ACCOUNT NO(S). 692-1409-1430500		
PROJECT DESCRIPTION Funding will provide for the completion of a schematic roadway alignment as well as transitioning to full detail design and construction. Project includes hike/bike trails and landscaping. Project name and costs changed to reflect inclusion of alignment and construction costs as part of the same project. Funding increased to reflect commitment of \$3,175,000 made by Dallas County for completion of this project.								FUNDING SOURCE(S)			
								Certificates of Oblig. Issued \$ 300,000 Dallas County 3,175,000 2018 Certificates of Oblig. 250,000			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions Operations Capital Total		IMPACT EXPLANATION						TOTAL FUNDED \$ 3,725,000 UNFUNDED \$ 2,575,000 PROJECT TOTAL \$ 6,300,000			
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP 		
Design	250	300	300	300				1,150			
Land/Right-of-Way			500					500			
Construction			500	4,000				4,500			
Landscaping				150				150			
Equip. & Furnish.											
Other											
TOTAL COSTS	250	300	1,300	4,450				6,300			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH
GO's Unissued											
RB's/Com Paper									Design	1/2017	12/2020
Certificates of Obligation	300	250						550	Land/Right-of-Way	1/2019	10/2019
Other (Dallas County)			600	2,575				3,175	Construction	11/2019	12/2020
Unfunded			700	1,875				2,575	Finish Out		
TOTAL SOURCES	300	250	1,300	4,450				6,300	Other		
									TOTAL SCHEDULE	1/2017	12/2020

PAGE NO: ST17	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 1		
DEPARTMENT ENGINEERING		PROJECT TITLE HOLFORD ROAD - ARAPAHO TO PGBT						PROJECT NO(S). 14306 14310	ACCOUNT NO(S). 692-1409-1430600 692-1409-1431000		
PROJECT DESCRIPTION Funding will provide for the completion of a schematic roadway alignment. Full detail design and construction to begin after. Project includes hike/bike trails and landscaping. Costs adjusted to include both alignment and construction to more accurately reflect the scope of this project.								FUNDING SOURCE(S)			
								Certificates of Oblig. Issued \$ 725,000			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____								IMPACT EXPLANATION			
										TOTAL FUNDED \$ 725,000	
										UNFUNDED \$ 11,575,000	
								PROJECT TOTAL \$ 12,300,000			
STRIP MAP											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design	250	200	400	400	400	400		2,050			
Land/Right-of-Way			500	300				800			
Construction			1,250	700	1,000	6,500		9,450			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	250	200	2,150	1,400	1,400	6,900		12,300			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	725							725			
Other											
Unfunded			1,875	1,400	1,400	6,900		11,575			
TOTAL SOURCES	725		1,875	1,400	1,400	6,900		12,300			
									PROJECT SCHEDULE	START	FINISH
									Design	1/2017	12/2022
									Land/Right-of-Way	1/2019	12/2020
									Construction	4/2019	12/2022
									Finish Out		
									Other		
TOTAL SCHEDULE									1/2017	12/2022	

PAGE NO: ST18	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 3		
DEPARTMENT ENGINEERING			PROJECT TITLE OATES RD. - CHANNEL ISLE TO HERON'S BAY #3					PROJECT NO(S). 14309	ACCOUNT NO(S). 692-1409-1430900			
PROJECT DESCRIPTION Funding is provided for design and construction costs related to the completion of Oates Road from Channel Isle to the proposed Heron's Bay No. 3 Subdivision. As part of a Development Agreement with Emerald Lakes in 2004, the City agreed to complete the last 900 linear feet of paving on Oates Road when the third phase of the subdivision is developed. Cost revised from \$812,000 to \$370,000 based on private developer's opinion of probable cost.										FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 370,000 TOTAL FUNDED <u>\$ 370,000</u> UNFUNDED <u>\$</u> PROJECT TOTAL <u><u>\$ 370,000</u></u>		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION							STRIP MAP		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design			50						50			
Land/Right-of-Way												
Construction			320						320			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS			370						370			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		370							370			
Other												
Unfunded												
TOTAL SOURCES		370							370			
										PROJECT SCHEDULE	START	FINISH
										Design	1/2018	12/2018
										Land/Right-of-Way		
										Construction	7/2018	12/2018
										Finish Out		
										Other		
										TOTAL SCHEDULE	1/2018	12/2018

PAGE NO: ST19	<i>New Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 5		
DEPARTMENT ENGINEERING			PROJECT TITLE LEON ROAD					PROJECT NO(S). 14311		ACCOUNT NO(S). 691-1409-1431100		
PROJECT DESCRIPTION Funding is provided for the land acquisition and miscellaneous design of Leon Road - Shiloh Road to South Garland Avenue.										FUNDING SOURCE(S) 2018 Certificates of Oblig. \$ 1,000,000		
										TOTAL FUNDED \$ 1,000,000		
										UNFUNDED \$		
										PROJECT TOTAL \$ 1,000,000		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION									
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design			50						50			
Land/Right-of-Way			950						950			
Construction												
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS			1,000						1,000			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation			1,000						1,000			
Other												
Unfunded												
TOTAL SOURCES			1,000						1,000			
										PROJECT SCHEDULE	START	FINISH
										Design	1/2018	3/2018
										Land/Right-of-Way	3/2018	6/2018
										Construction	6/2018	12/2018
										Finish Out		
										Other		
										TOTAL SCHEDULE	1/2018	12/2018

PAGE NO: ST20		<i>Continuing Project</i> CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT TRANSPORTATION				PROJECT TITLE OPERATIONAL AND SAFETY IMPROVEMENTS					PROJECT NO(S). 15640		ACCOUNT NO(S). 624-1799-1564004 623-1799-1564004	
PROJECT DESCRIPTION This ongoing 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.									FUNDING SOURCE(S)			
									2004 Bond Fund Interest		\$ 1,467,393 450,000	
									TOTAL FUNDED		\$ 1,917,393	
									UNFUNDED		\$	
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION					PROJECT TOTAL \$ 1,917,393			
STRIP MAP												
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		221	100						321			
Land/Right-of-Way												
Construction		798	307	125	125	120	120		1,595			
Landscaping												
Equip. & Furnish.		1							1			
Other												
TOTAL COSTS		1,020	407	125	125	120	120		1,917			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued		977							977	PROJECT SCHEDULE	START	FINISH
GO's Unissued				125	125	120	120		490	Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation										Construction		
Other (Interest)		450							450	Finish Out		
Unfunded										Other		
TOTAL SOURCES		1,427		125	125	120	120		1,917	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO:	ST21						*Amounts in 000's \$	COUNCIL DISTRICT(S)
	<i>Continuing Project</i>							All
CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST								
DEPARTMENT			PROJECT TITLE			PROJECT NO(S).		ACCOUNT NO(S).
TRANSPORTATION			MISCELLANEOUS EQUIPMENT AND SERVICES			15219		623-1799-1521900
PROJECT DESCRIPTION								
This ongoing project provides funding for the acquisition of various equipment and services such as operational hardware and software licenses, traffic counting equipment, traffic management center upgrades, etc.								
FUNDING SOURCE(S)								
DART LAP/CMS \$ 55,624								
TOTAL FUNDED \$ 55,624								
UNFUNDED \$								
PROJECT TOTAL \$ 55,624								
STRIP MAP								
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION					
☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____								
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total
Design								
Land/Right-of-Way								
Construction								
Landscaping								
Equip. & Furnish.	8	48						56
Other								
TOTAL COSTS	8	48						56
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total
Current Funds								
GO's/Com Paper Issued								
GO's Unissued								
RB's/Com Paper								
Certificates of Obligation								
Other (DART)	56							56
Unfunded								
TOTAL SOURCES	56							56
						PROJECT SCHEDULE	START	FINISH
						Design		
						Land/Right-of-Way		
						Construction		
						Finish Out		
						Other		
						TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: ST22		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT TRANSPORTATION				PROJECT TITLE NEW TRAFFIC SIGNAL INSTALLATIONS					PROJECT NO(S). 15600 15602		ACCOUNT NO(S). 624-1799-1560004 624-1799-1560204	
PROJECT DESCRIPTION This project provides for the study, design, equipment acquisition, and installation of new traffic signals, which are warranted by increases in traffic volumes, changes in traffic patterns, or other factors. The installation of school speed zone beacons and crosswalk flashers is also included in this project.									FUNDING SOURCE(S)			
									2004 Bond Fund		\$	2,160,000
									Reimbursement			55,938
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION								
☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions Capital Total				The installation of additional traffic signals will increase maintenance and electric consumption costs.								
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design		139	25	25	25	25	25	25	289			
Land/Right-of-Way												
Construction		247	63	75	75	225	225	388	1,298			
Landscaping												
Equip. & Furnish.		179	50	50	50	50	50	200	629			
Other												
TOTAL COSTS		565	138	150	150	300	300	613	2,216			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued		772							772	PROJECT SCHEDULE	START	FINISH
GO's Unissued				25	150	300	300	613	1,388	Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation										Construction		
Other (Reimbursements)		56							56	Finish Out		
Unfunded										Other		
TOTAL SOURCES		828		25	150	300	300	613	2,216	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: ST23	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT TRANSPORTATION		PROJECT TITLE LED REPLACEMENT PROGRAM						PROJECT NO(S). 15544	ACCOUNT NO(S). 692-1799-1554400		
PROJECT DESCRIPTION The traffic signals in Garland are equipped with Light Emitting Diodes (LEDs) that are much more energy-efficient and have a greater life span than traditional incandescent light bulbs. This program has been created to provide funding for the replacement of the LED lights on a 10-year schedule. Funding for this project comes from cash transferred from the General Fund and SafeLight Fund.								FUNDING SOURCE(S)			
								SafeLight Garland \$ 505,000			
								TOTAL FUNDED \$ 505,000			
								UNFUNDED \$			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						PROJECT TOTAL \$ 505,000			
☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design											
Land/Right-of-Way											
Construction											
Landscaping											
Equip. & Furnish.	455	50						505			
Other											
TOTAL COSTS	455	50						505			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds	455	50						505			
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation											
Other											
Unfunded											
TOTAL SOURCES	455	50						505			
									PROJECT SCHEDULE	START	FINISH
									Design		
									Land/Right-of-Way		
									Construction		
									Finish Out		
									Other		
TOTAL SCHEDULE									(Ongoing	Project)	

PAGE NO: ST24	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) All	
DEPARTMENT TRANSPORTATION		PROJECT TITLE TRAFFIC CONTROL SYSTEM							PROJECT NO(S). 15530 15483	ACCOUNT NO(S). 624-1799-1553000 623-1799-1548315	
PROJECT DESCRIPTION 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 \$ 5,000,000		
									DART LAP/CMS 100,000		
									TOTAL FUNDED \$ 5,100,000 UNFUNDED \$ PROJECT TOTAL \$ 5,100,000		
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION The replacement of hardware will reduce maintenance costs of the older equipment.						STRIP MAP		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total
Design		120									120
Land/Right-of-Way											
Construction		450	10								460
Landscaping											
Equip. & Furnish.		769	875	900	200	250	250	1,276			4,520
Other											
TOTAL COSTS		1,339	885	900	200	250	250	1,276			5,100
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total
Current Funds											
GO's/Com Paper Issued		1,494							1,494		
GO's Unissued			630	900	200	250	250	1,276	3,506		
RB's/Com Paper											
Certificates of Obligation											
Other (DART)		100							100		
Unfunded											
TOTAL SOURCES		1,594	630	900	200	250	250	1,276	5,100		
		PROJECT SCHEDULE		START		FINISH					
Design											
Land/Right-of-Way											
Construction											
Finish Out											
Other											
TOTAL SCHEDULE		(Ongoing		Project)							

PAGE NO: ST25		Continuing Project						CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST		*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT TRANSPORTATION				PROJECT TITLE EMERGENCY SERVICES SIGNAL EQUIPMENT						PROJECT NO(S). 15547		ACCOUNT NO(S). 624-1799-1554700 623-1799-1554700	
PROJECT DESCRIPTION This project includes the installation or upgrade of equipment at various signals to provide for priority control to permit the safe passage of Fire Department emergency vehicles. This project is coordinated with the Signal System, Modernization, and Installation projects.										FUNDING SOURCE(S) 2004 Bond Fund \$ 500,000 Interest 50,000 TOTAL FUNDED \$ 550,000 UNFUNDED \$ PROJECT TOTAL \$ 550,000			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION						STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design													
Land/Right-of-Way													
Construction		7	5						12				
Landscaping													
Equip. & Furnish.		62	26	110	110	115	115		538				
Other													
TOTAL COSTS		69	31	110	110	115	115		550				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued		50							50				
GO's Unissued				110	110	115	115		450				
RB's/Com Paper													
Certificates of Obligation													
Other (Interest)		50							50				
Unfunded													
TOTAL SOURCES		100		110	110	115	115		550				
PROJECT SCHEDULE		START		FINISH									
Design													
Land/Right-of-Way													
Construction													
Finish Out													
Other													
TOTAL SCHEDULE		(Ongoing		Project)									

PAGE NO: ST26	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 1, 2																																																																															
DEPARTMENT TRANSPORTATION		PROJECT TITLE RAILROAD CROSSING IMPROVEMENTS						PROJECT NO(S). 15578	ACCOUNT NO(S). 622-1799-1557800																																																																															
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.								FUNDING SOURCE(S)																																																																																
								1997 Bond Fund \$ 197,041																																																																																
								2004 Bond Fund 1,000,000																																																																																
								TOTAL FUNDED \$ 1,197,041 UNFUNDED \$ PROJECT TOTAL \$ 1,197,041																																																																																
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION					STRIP MAP																																																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">*PROJECT COSTS</th> <th style="width: 5%;">Thru 12-2017</th> <th style="width: 5%;">2018</th> <th style="width: 5%;">2019</th> <th style="width: 5%;">2020</th> <th style="width: 5%;">2021</th> <th style="width: 5%;">2022</th> <th style="width: 5%;">2023 to Completion</th> <th style="width: 5%;">Total</th> </tr> <tr><td>Design</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Land/Right-of-Way</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Construction</td><td></td><td>100</td><td>100</td><td>100</td><td>100</td><td>100</td><td>697</td><td>1,197</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></td> <td>100</td> <td>100</td> <td>100</td> <td>100</td> <td>100</td> <td>697</td> <td>1,197</td> </tr> </table>										*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Design									Land/Right-of-Way									Construction		100	100	100	100	100	697	1,197	Landscaping									Equip. & Furnish.									Other									TOTAL COSTS		100	100	100	100	100	697	1,197							
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total																																																																														
Design																																																																																								
Land/Right-of-Way																																																																																								
Construction		100	100	100	100	100	697	1,197																																																																																
Landscaping																																																																																								
Equip. & Furnish.																																																																																								
Other																																																																																								
TOTAL COSTS		100	100	100	100	100	697	1,197																																																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">*SOURCE OF FUNDS</th> <th style="width: 5%;">Thru 12-2017</th> <th style="width: 5%;">2018</th> <th style="width: 5%;">2019</th> <th style="width: 5%;">2020</th> <th style="width: 5%;">2021</th> <th style="width: 5%;">2022</th> <th style="width: 5%;">2023 to Completion</th> <th style="width: 5%;">Total</th> </tr> <tr><td>Current Funds</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>297</td><td></td><td></td><td></td><td></td><td></td><td></td><td>297</td></tr> <tr><td>GO's Unissued</td><td></td><td></td><td></td><td>3</td><td>100</td><td>100</td><td>697</td><td>900</td></tr> <tr><td>RB's/Com Paper</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Certificates of Obligation</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>Unfunded</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL SOURCES</td> <td>297</td> <td></td> <td></td> <td>3</td> <td>100</td> <td>100</td> <td>697</td> <td>1,197</td> </tr> </table>								*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Current Funds									GO's/Com Paper Issued	297							297	GO's Unissued				3	100	100	697	900	RB's/Com Paper									Certificates of Obligation									Other									Unfunded									TOTAL SOURCES	297			3	100	100	697	1,197
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																
Current Funds																																																																																								
GO's/Com Paper Issued	297							297																																																																																
GO's Unissued				3	100	100	697	900																																																																																
RB's/Com Paper																																																																																								
Certificates of Obligation																																																																																								
Other																																																																																								
Unfunded																																																																																								
TOTAL SOURCES	297			3	100	100	697	1,197																																																																																
		PROJECT SCHEDULE		START		FINISH																																																																																		
		Design																																																																																						
		Land/Right-of-Way																																																																																						
		Construction																																																																																						
		Finish Out																																																																																						
		Other																																																																																						
		TOTAL SCHEDULE		(Ongoing		Project)																																																																																		

PAGE NO: ST27		Continuing Project						CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST		*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 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.										FUNDING SOURCE(S) 1997 Bond Fund \$ 510,000 RTR 2,040,000 TOTAL FUNDED \$ 2,550,000 UNFUNDED \$ 1,025,000 PROJECT TOTAL \$ 3,575,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION The additional on-street pavement markings and signs as well as the bridges will increase maintenance costs to the City.						STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design		224		16	10				250				
Land/Right-of-Way													
Construction		49		701	2,575				3,325				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		273		717	2,585				3,575				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued		510							510				
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation													
Other (RTR)				480	1,560				2,040				
Unfunded					1,025				1,025				
TOTAL SOURCES		510		480	2,585				3,575				
PROJECT SCHEDULE		START		FINISH									
Design		9/2012		1/2020									
Land/Right-of-Way													
Construction		9/2016		12/2020									
Finish Out													
Other													
TOTAL SCHEDULE		9/2012		12/2020									

PAGE NO: ST28		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT TRANSPORTATION				PROJECT TITLE SIGNAL EQUIPMENT MODERNIZATIONS					PROJECT NO(S). 15620		ACCOUNT NO(S). 624-1799-1562000	
PROJECT DESCRIPTION This project provides various traffic signal improvements such as replacing obsolete mast arm poles, upgrading left-turn displays, upgrading traffic signal cabinets, replacing vehicle detection, modernizing the signal management system, replacing aged and damaged signal cables, and removing median-mounted left-turn poles. This project is coordinated with the Traffic Control System projects. This project also includes replacing the school flasher system which controls the school flashers throughout the City. The current system uses an end-of-life pager system to communicate with all the remote units. Due to the declining pager industry, the system is no longer supported by the vendor and communication is no longer possible.									FUNDING SOURCE(S)			
									2004 Bond Fund \$ 3,100,000 Reimbursement 114,588 SafeLight Garland 195,000 TOTAL FUNDED \$ 3,409,588 UNFUNDED \$ PROJECT TOTAL \$ 3,409,588			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION Emergency and routine maintenance requirements should decrease where new equipment is installed.					STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total
Design		35										35
Land/Right-of-Way												
Construction		1,091	31	25	25	45	45	45				1,307
Landscaping												
Equip. & Furnish.		808	1,066	12	12	12	12	146				2,068
Other												
TOTAL COSTS		1,934	1,097	37	37	57	57	191				3,410
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total
Current Funds		145	50						195			
GO's/Com Paper Issued		1,900							1,900			
GO's Unissued			821	37	37	57	57	191	1,200			
RB's/Com Paper												
Certificates of Obligation												
Other (Reimbursements)		115							115			
Unfunded												
TOTAL SOURCES		2,160	871	37	37	57	57	191	3,410			
PROJECT SCHEDULE		START		FINISH								
Design												
Land/Right-of-Way												
Construction												
Finish Out												
Other												
TOTAL SCHEDULE		(Ongoing		Project)								

PAGE NO: ST29		Continuing Project						CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST		*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT TRANSPORTATION			PROJECT TITLE TRAIN QUIET ZONE						PROJECT NO(S). 15751		ACCOUNT NO(S). 624-1799-1575104		
PROJECT DESCRIPTION This project is for study, design, and implementation of train quiet zones. Construction requirements consist of barriers, signing, and markings at all railroad crossings included in the quiet zone. The quiet zone along the KCS has been completed successfully. Future projects may include the DGNO/DART line.										FUNDING SOURCE(S) 2004 Bond Fund \$ 2,100,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION This will involve new equipment that will be necessary to maintain.							TOTAL FUNDED \$ 2,100,000 UNFUNDED \$ PROJECT TOTAL \$ 2,100,000			
STRIP MAP													
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design		87							87				
Land/Right-of-Way													
Construction		230						1,783	2,013				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		317						1,783	2,100				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued		425							425				
GO's Unissued								1,675	1,675				
RB's/Com Paper													
Certificates of Obligation													
Other													
Unfunded													
TOTAL SOURCES		425						1,675	2,100				
										PROJECT SCHEDULE	START	FINISH	
Design													
Land/Right-of-Way													
Construction													
Finish Out													
Other													
TOTAL SCHEDULE										(Ongoing	Project)		

PAGE NO: ST30	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 5																																																																														
DEPARTMENT TRANSPORTATION			PROJECT TITLE LBJ SOUND WALL AESTHETICS					PROJECT NO(S). 14304	ACCOUNT NO(S). 692-1799-1430415																																																																															
PROJECT DESCRIPTION This project will provide for the design of aesthetic enhancements to the sound wall that will be constructed along LBJ Freeway between La Prada and Centerville.										FUNDING SOURCE(S)																																																																														
										Certificates of Oblig. Issued \$ 100,000																																																																														
										TOTAL FUNDED \$ 100,000																																																																														
										UNFUNDED \$																																																																														
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION					STRIP MAP																																																																																
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*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total																																																																													
Design	9	41									50																																																																													
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*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																
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PAGE NO: ST31	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 6, 8		
DEPARTMENT TRANSPORTATION			PROJECT TITLE TRANSIT PASS - BOTTLENECK IMPROVEMENTS					PROJECT NO(S). 14307	ACCOUNT NO(S). 623-1799-1430700			
PROJECT DESCRIPTION This project will provide bottleneck improvements to major intersections. These improvements have been planned by DART over several years and will be constructed by the City using DART funding. Funding for this project comes from DART local assistance program funds originally intended for bottleneck locations only on Forest Lane and Plano Road. These funds are being reprogrammed for the current, most cost-effective bottleneck locations in the city.										FUNDING SOURCE(S)		
										DART Participation \$ 3,202,833		
										TOTAL FUNDED \$ 3,202,833		
										UNFUNDED \$		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION							PROJECT TOTAL \$ 3,202,833		
STRIP MAP												
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design			538						538			
Land/Right-of-Way												
Construction			250	708	707	1,000			2,665			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS			788	708	707	1,000			3,203			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation												
Other (DART)		500	288	708	707	1,000			3,203			
Unfunded												
TOTAL SOURCES		500	288	708	707	1,000			3,203			
										PROJECT SCHEDULE	START	FINISH
										Design	1/2018	12/2018
										Land/Right-of-Way		
										Construction	6/2018	12/2021
										Finish Out		
										Other		
TOTAL SCHEDULE										1/2018	12/2021	

PAGE NO: ST32		Continuing Project						CITY OF GARLAND - 2018 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 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 for the City to improve the condition of its streets.										FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 10,468,000 2018 Certificates of Oblig. 8,070,000 TOTAL FUNDED \$ 18,538,000 UNFUNDED \$ 46,296,000 PROJECT TOTAL \$ 64,834,000			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions Operations Capital Total				IMPACT EXPLANATION									
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design													
Land/Right-of-Way													
Construction		7,900	10,638	10,167	11,668	12,198	12,263		64,834				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		7,900	10,638	10,167	11,668	12,198	12,263		64,834				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation		10,468	8,070						18,538				
Other													
Unfunded				10,167	11,668	12,198	12,263		46,296				
TOTAL SOURCES		10,468	8,070	10,167	11,668	12,198	12,263		64,834				
										STRIP MAP			
										PROJECT SCHEDULE		START	FINISH
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
										TOTAL SCHEDULE		(Ongoing	Project)

PAGE NO: ST33	<i>New Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 2																																																																															
DEPARTMENT STREET			PROJECT TITLE LINDA DRIVE - CUMBERLAND DR. TO DAIRY RD.					PROJECT NO(S). 39833	ACCOUNT NO(S). 825-8378-3983318																																																																																
PROJECT DESCRIPTION CDBG-funded street reconstruction.									FUNDING SOURCE(S) CDBG Funds \$ 331,000																																																																																
									TOTAL FUNDED \$ 331,000																																																																																
									UNFUNDED \$																																																																																
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*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																	
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Construction		331						331																																																																																	
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*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																	
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Other (CDBG)		331						331																																																																																	
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TOTAL SOURCES		331						331																																																																																	
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PROJECT SCHEDULE	START	FINISH																																																																																							
Design																																																																																									
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Construction	1/2018	9/2018																																																																																							
Finish Out																																																																																									
Other																																																																																									
TOTAL SCHEDULE	1/2018	9/2018																																																																																							

PAGE NO: ST34	<i>New Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 2	
DEPARTMENT STREET			PROJECT TITLE HIGH HOLLOW DRIVE - HIGH GROVE TO HIGH MESA					PROJECT NO(S). 39834	ACCOUNT NO(S). 825-8378-3983418		
PROJECT DESCRIPTION CDBG-funded street reconstruction.									FUNDING SOURCE(S)		
									CDBG Funds \$ 172,000		
									TOTAL FUNDED \$ 172,000		
									UNFUNDED \$		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION					STRIP MAP			
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design											
Land/Right-of-Way											
Construction		172						172			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		172						172			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH
GO's Unissued									Design		
RB's/Com Paper									Land/Right-of-Way		
Certificates of Obligation									Construction	1/2018	9/2018
Other (CDBG)		172						172	Finish Out		
Unfunded									Other		
TOTAL SOURCES		172						172	TOTAL SCHEDULE	1/2018	9/2018

PAGE NO: ST35	<i>New Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 2	
DEPARTMENT STREET			PROJECT TITLE FREEMONT DRIVE - MILLER TO SOUTHWOOD					PROJECT NO(S). 39835	ACCOUNT NO(S). 825-8378-3983518		
PROJECT DESCRIPTION CDBG-funded street reconstruction.									FUNDING SOURCE(S)		
									CDBG Funds \$ 347,000		
									TOTAL FUNDED \$ 347,000		
									UNFUNDED \$		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____									IMPACT EXPLANATION		
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design											
Land/Right-of-Way											
Construction		347						347			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		347						347			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH
GO's Unissued									Design		
RB's/Com Paper									Land/Right-of-Way		
Certificates of Obligation									Construction	1/2018	9/2018
Other (CDBG)		347						347	Finish Out		
Unfunded									Other		
TOTAL SOURCES		347						347	TOTAL SCHEDULE	1/2018	9/2018

PAGE NO: ST36		<i>New Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) 2		
DEPARTMENT STREET				PROJECT TITLE ALTO DRIVE - CURTIS DR. TO DAIRY RD.					PROJECT NO(S). 39836		ACCOUNT NO(S). 825-8378-3983618		
PROJECT DESCRIPTION CDBG-funded street reconstruction.									FUNDING SOURCE(S) CDBG Funds			\$ 157,477	
									TOTAL FUNDED		\$ 157,477		
									UNFUNDED		\$		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions Capital Total				IMPACT EXPLANATION					PROJECT TOTAL			\$ 157,477	
									STRIP MAP				
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design													
Land/Right-of-Way													
Construction			157						157				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS			157						157				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH	
GO's Unissued										Design			
RB's/Com Paper										Land/Right-of-Way			
Certificates of Obligation										Construction	1/2018	9/2018	
Other (CDBG)			157						157	Finish Out			
Unfunded										Other			
TOTAL SOURCES			157						157	TOTAL SCHEDULE	1/2018	9/2018	

Unapproved Submitted Projects

PAGE NO: ST37		<i>Unfunded Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) 1, 8		
DEPARTMENT ENGINEERING			PROJECT TITLE NAAMAN SCHOOL / BRAND ROAD CONSTRUCTION						PROJECT NO(S). 14312		ACCOUNT NO(S). 691-1409-1431200	
PROJECT DESCRIPTION Construction of Naaman School Road from S.H. 78 to Brand Road, including installation of a bridge over Spring Creek.										FUNDING SOURCE(S) TOTAL FUNDED\$ UNFUNDED\$ 13,000,000 PROJECT TOTAL\$ 13,000,000		
IMPACT ON OPERATING BUDGET ☐ Will Impact ☒ Will Not Impact # of Positions _____ Annual Cost/(Savings): Personnel Operations Capital Total _____			IMPACT EXPLANATION									
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design												
Land/Right-of-Way						1,000			1,000			
Construction							6,000	6,000	12,000			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS						1,000	6,000	6,000	13,000			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper										Land/Right-of-Way	6/2021	12/2021
Certificates of Obligation										Construction	6/2022	12/2025
Other										Finish Out		
Unfunded						1,000	6,000	6,000	13,000	Other		
TOTAL SOURCES						1,000	6,000	6,000	13,000	TOTAL SCHEDULE	6/2021	12/2025

DRAINAGE DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
14230	Miscellaneous Flooding	D01	GOB04/UNF	\$3,575	\$465	\$910	\$0	\$0	\$0	\$0	\$4,950
14231	Petition Drainage	D02	GOB04/Other	1,896	200	238	238	0	0	0	2,572
14244	Classic and Yale	D03	GOB04/UNF	3,051	0	0	90	0	488	4,571	8,200
14245	Garland Heights / Freeman	D04	GOB04	0	0	0	200	350	1,650	2,000	4,200
14246	Parkmont Drive	D05	GOB04/UNF	1,642	3,118	1,290	0	0	0	0	6,050
14248	Bridge Remediation	D06	CF/CO/Other/UNF	1,170	3,396	2,105	0	0	0	0	6,671
14299	Downtown Drainage Improvements	D07	CF/Other	2,640	23	0	0	0	0	0	2,663
Total				<u>\$13,974</u>	<u>\$7,202</u>	<u>\$4,543</u>	<u>\$528</u>	<u>\$350</u>	<u>\$2,138</u>	<u>\$6,571</u>	<u>\$35,306</u>
Total Existing CO's/Current Funds				\$4,332	\$2,603	\$968	\$0	\$0	\$0	\$0	\$7,903
Unfunded				0	0	3,337	0	0	0	2,200	5,537
2018 Certificate of Obligation				0	1,624	0	0	0	0	0	1,624
Total 2004 Bond Program				<u>9,642</u>	<u>2,975</u>	<u>238</u>	<u>528</u>	<u>350</u>	<u>2,138</u>	<u>4,371</u>	<u>20,242</u>
Total				<u>\$13,974</u>	<u>\$7,202</u>	<u>\$4,543</u>	<u>\$528</u>	<u>\$350</u>	<u>\$2,138</u>	<u>\$6,571</u>	<u>\$35,306</u>

DRAINAGE DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2018	2019	2020	2021	2022	2023 to Completion	Project Total
14230	Miscellaneous Flooding	D01	Appr.	\$98	\$910	\$0	\$0	\$0	\$0	\$1,008
14231	Petition Drainage	D02	Appr.	0	0	162	0	0	0	\$162
14244	Classic and Yale	D03	Appr.	0	0	0	0	488	4,571	5,059
14245	Garland Heights / Freeman	D04	Appr.	0	0	200	350	1,650	2,000	4,200
14246	Parkmont Drive	D05	Appr.	1,745	1,290	0	0	0	0	3,035
14248	Bridge Remediation	D06	Appr.	816	1,137	0	0	0	0	1,953
Total				<u>\$2,659</u>	<u>\$3,337</u>	<u>\$362</u>	<u>\$350</u>	<u>\$2,138</u>	<u>\$6,571</u>	<u>\$15,417</u>
Total Approved				\$2,659	\$3,337	\$362	\$350	\$2,138	\$6,571	\$15,417
Total Unapproved				<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total				<u>\$2,659</u>	<u>\$3,337</u>	<u>\$362</u>	<u>\$350</u>	<u>\$2,138</u>	<u>\$6,571</u>	<u>\$15,417</u>

PAGE NO: D01	<i>Continuing Project</i>	CITY OF GARLAND - 2018 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		
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 Lakeside Meadows Channel repair, Mitchell Property storm sewer, Meadowcreek Park storm sewer, and Ridgedale-Glenbrook drainage.									FUNDING SOURCE(S) 2004 Bond Fund \$ 3,942,000 2018 Certificates of Oblig. 98,000		
									TOTAL FUNDED \$ 4,040,000		
									UNFUNDED \$ 910,000		
									PROJECT TOTAL \$ 4,950,000		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION						STRIP MAP		
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design	135							135			
Land/Right-of-Way											
Construction	3,440	465	910					4,815			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	3,575	465	910					4,950			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued	3,942							3,942			
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		98						98			
Other											
Unfunded			910					910			
TOTAL SOURCES	3,942	98	910					4,950			
									PROJECT SCHEDULE Design Land/Right-of-Way Construction Finish Out Other	START 	FINISH
									TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: D02		<i>Continuing Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) All																																																																																		
DEPARTMENT DRAINAGE			PROJECT TITLE PETITION DRAINAGE					PROJECT NO(S). 14231		ACCOUNT NO(S). 625-1409-1423104																																																																																		
PROJECT DESCRIPTION This program reserves funds to participate with property owners in the design and construction of drainage improvement districts throughout the city. Projects currently scheduled include 3705 Dandridge Drainage Improvement District (DID), 3710 Dandridge DID, 1322 Creekwood DID, Crystal Lake HOA DID, and Duck Creek Erosion Wall.								FUNDING SOURCE(S) 2004 Bond Fund \$ 2,050,000 Drainage Participation 522,426 TOTAL FUNDED \$ 2,572,426 UNFUNDED \$ PROJECT TOTAL \$ 2,572,426																																																																																				
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____			IMPACT EXPLANATION					STRIP MAP																																																																																				
<table border="1"> <thead> <tr> <th>*PROJECT COSTS</th> <th>Thru 12-2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023 to Completion</th> <th>Total</th> </tr> </thead> <tbody> <tr><td>Design</td><td>360</td><td></td><td></td><td></td><td></td><td></td><td></td><td>360</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>1,536</td><td>200</td><td>238</td><td>238</td><td></td><td></td><td></td><td>2,212</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>1,896</td><td>200</td><td>238</td><td>238</td><td></td><td></td><td></td><td>2,572</td></tr> </tbody> </table>												*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Design	360							360	Land/Right-of-Way									Construction	1,536	200	238	238				2,212	Landscaping									Equip. & Furnish.									Other									TOTAL COSTS	1,896	200	238	238				2,572									
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion					Total																																																																																
Design	360											360																																																																																
Land/Right-of-Way																																																																																												
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TOTAL COSTS	1,896	200	238	238								2,572																																																																																
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*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																				
Current Funds																																																																																												
GO's/Com Paper Issued	1,888							1,888																																																																																				
GO's Unissued				162				162																																																																																				
RB's/Com Paper																																																																																												
Certificates of Obligation																																																																																												
Other (Drainage Part.)	522							522																																																																																				
Unfunded																																																																																												
TOTAL SOURCES	2,410			162				2,572																																																																																				
		Design																																																																																										
		Land/Right-of-Way																																																																																										
		Construction																																																																																										
		Finish Out																																																																																										
		Other																																																																																										
TOTAL SCHEDULE		(Ongoing		Project)																																																																																								

PAGE NO: D03	Continuing Project							*Amounts in 000's \$	COUNCIL DISTRICT(S) 6			
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.								FUNDING SOURCE(S)				
								2004 Bond Fund \$ 6,000,000				
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION					TOTAL FUNDED \$ 6,000,000				
☐ Will Impact Annual Cost/(Savings):								UNFUNDED \$ 2,200,000				
☒ Will Not Impact Personnel Operations								PROJECT TOTAL \$ 8,200,000				
# of Positions _____ Capital _____ Total _____												
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP 		
Design		410			90		488	50	1,038			
Land/Right-of-Way												
Construction		2,641						4,521	7,162			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		3,051			90		488	4,571	8,200			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued		3,141							3,141	PROJECT SCHEDULE	START	FINISH
GO's Unissued							488	2,371	2,859	Design	6/2008	3/2023
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation										Construction	10/2010	12/2024
Other										Finish Out		
Unfunded								2,200	2,200	Other		
TOTAL SOURCES		3,141					488	4,571	8,200	TOTAL SCHEDULE	6/2008	12/2024

PAGE NO: D04	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 8		
DEPARTMENT DRAINAGE			PROJECT TITLE GARLAND HEIGHTS / FREEMAN					PROJECT NO(S). 14245	ACCOUNT NO(S). 625-1409-1424504			
PROJECT DESCRIPTION Funding is provided for the design, land acquisition, permitting, and construction related to neighborhood drainage improvements.										FUNDING SOURCE(S)		
										2004 Bond Fund		\$ 4,200,000
										TOTAL FUNDED		\$ 4,200,000
										UNFUNDED		\$
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION									
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design				200	150	150		500				
Land/Right-of-Way					200			200				
Construction						1,500	2,000	3,500				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS				200	350	1,650	2,000	4,200				
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds												
GO's/Com Paper Issued												
GO's Unissued				200	350	1,650	2,000	4,200				
RB's/Com Paper												
Certificates of Obligation												
Other												
Unfunded												
TOTAL SOURCES				200	350	1,650	2,000	4,200				

STRIP MAP

PROJECT SCHEDULE	START	FINISH
Design	3/2020	12/2022
Land/Right-of-Way	3/2021	12/2021
Construction	6/2022	12/2023
Finish Out		
Other		
TOTAL SCHEDULE	3/2020	12/2023

PAGE NO: D05	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 5		
DEPARTMENT DRAINAGE		PROJECT TITLE PARKMONT DRIVE						PROJECT NO(S). 14246	ACCOUNT NO(S). 625-1409-1424604		
PROJECT DESCRIPTION Funding is provided for the design, land acquisition, permitting, and construction related to drainage improvements in the vicinity of Parkmont Drive.								FUNDING SOURCE(S) 2004 Bond Fund \$ 4,050,000 2018 Certificates of Oblig. 710,000			
								TOTAL FUNDED \$ 4,760,000			
								UNFUNDED \$ 1,290,000			
								PROJECT TOTAL \$ 6,050,000			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION						STRIP MAP 		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total
Design		515	155	170							840
Land/Right-of-Way		17	3								20
Construction		1,110	2,960	1,120							5,190
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		1,642	3,118	1,290					6,050		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds											
GO's/Com Paper Issued		3,015							3,015		
GO's Unissued			1,035						1,035		
RB's/Com Paper											
Certificates of Obligation			710						710		
Other											
Unfunded				1,290					1,290		
TOTAL SOURCES		3,015	1,745	1,290					6,050		
PROJECT SCHEDULE		START		FINISH							
Design		9/2008		12/2019							
Land/Right-of-Way		1/2016		12/2018							
Construction		11/2017		12/2019							
Finish Out											
Other											
TOTAL SCHEDULE		9/2008		12/2019							

PAGE NO: D06	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*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 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 remaining project from \$461,120 to \$1,429,314.								FUNDING SOURCE(S) Current Funds \$ 2,200,000 Certificates of Oblig. Issued 1,089,000 Dallas County 1,429,314 2018 Certificates of Oblig. 816,000 TOTAL FUNDED \$ 5,534,314 UNFUNDED \$ 1,137,000 PROJECT TOTAL \$ 6,671,314			
								STRIP MAP			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		IMPACT EXPLANATION									
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design	370	190	105					665			
Land/Right-of-Way											
Construction	800	3,206	2,000					6,006			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	1,170	3,396	2,105					6,671			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds	2,200							2,200			
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	1,089	816						1,905			
Other (Dallas County)	461		968					1,429			
Unfunded			1,137					1,137			
TOTAL SOURCES	3,750	816	2,105					6,671			
									PROJECT SCHEDULE	START	FINISH
									Design	4/2007	12/2019
									Land/Right-of-Way		
									Construction	4/2010	12/2019
									Finish Out		
									Other		
									TOTAL SCHEDULE	4/2007	12/2019

PAGE NO: D07		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) 2			
DEPARTMENT DRAINAGE			PROJECT TITLE DOWNTOWN DRAINAGE IMPROVEMENTS					PROJECT NO(S). 14299		ACCOUNT NO(S). 692-1409-1429913			
PROJECT DESCRIPTION This project will provide funding to make paving and stormwater drainage improvements in Downtown according to the stormwater capacity needs identified in the Downtown Garland Drainage Study dated May, 2006. Improvement areas adjacent to the City Center Development include Austin Street (Fifth to the KCS rail line), Fifth Street (State to Main), State Street (Fifth to the KCS rail line), and along the west side of the KCS rail line (between State Street and Austin Street).								FUNDING SOURCE(S) Current Funds \$ 1,754,464 Developer Participation 909,000					
								TOTAL FUNDED \$ 2,663,464					
								UNFUNDED \$					
								PROJECT TOTAL \$ 2,663,464					
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION					STRIP MAP					
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Design		410	10										420
Land/Right-of-Way													
Construction		2,140	3										2,143
Landscaping													
Equip. & Furnish.													
Other		90	10										100
TOTAL COSTS		2,640	23										2,663
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Current Funds		1,754							1,754				
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation													
Other (Developer Part.)		909							909				
Unfunded													
TOTAL SOURCES		2,663							2,663				
										PROJECT SCHEDULE	START	FINISH	
										Design	3/2013	1/2018	
										Land/Right-of-Way			
										Construction	1/2014	6/2018	
										Finish Out			
										Other	3/2013	6/2018	
										TOTAL SCHEDULE	3/2013	6/2018	

[illegible]

LIBRARY DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

[illegible]

PAGE NO: L01		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT LIBRARY				PROJECT TITLE FACILITIES UPGRADES					PROJECT NO(S). 19581		ACCOUNT NO(S). 641-2599-1958104 692-2599-1958104	
PROJECT DESCRIPTION The funded facilities renovations 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. The program includes carpet replacement, security gates, shelving at all libraries, and replacement of furniture purchased as part of the original 1970 construction and 1976 basement addition to the facility. Other pieces are visibly worn, do not meet ergonomic standards, or have been formed from unrelated furniture pieces. Upgrades to electronic signs at the libraries were completed in 2017. Shelving purchases are being managed by the Library Department.									FUNDING SOURCE(S)			
									2004 Bond Fund \$ 2,000,000 Current Funds 45,393 Certificates of Oblig. Issued 965,000			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION					TOTAL FUNDED \$ 3,010,393			
									UNFUNDED \$			
									PROJECT TOTAL \$ 3,010,393			
									STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		207							207			
Land/Right-of-Way												
Construction		1,528	35						1,563			
Landscaping												
Equip. & Furnish.		690	422						1,112			
Other (Project Manager)		65	63						128			
TOTAL COSTS		2,490	520						3,010			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		45							45			
GO's/Com Paper Issued		2,000							2,000	PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation		965							965	Construction		
Other										Finish Out		
Unfunded										Other		
TOTAL SOURCES		3,010							3,010	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: L02	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 2																																																																																
DEPARTMENT LIBRARY			PROJECT TITLE CENTRAL LIBRARY LIFE AND SAFETY UPGRADES					PROJECT NO(S). 19584 19585		ACCOUNT NO(S). 692-4749-19584XX 692-4749-19585XX																																																																																
PROJECT DESCRIPTION The funded 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 upgrades are needed to bring the Central Library up to the current Fire Code. The project includes upgrade of two stairwells to a one-hour, fire-rated assembly; design and installation of fire sprinklers on the main floor of the Library; replacement of the lights, ceiling tile, and grid; upgrade of and additional parking lot lighting based on current photometrics; addition of security cameras and access controls; construction of a Marshal's office; work on the North Program Room and both sets of restrooms; and painting.										FUNDING SOURCE(S)																																																																																
										Certificates of Oblig. Issued \$ 1,995,919 2018 Certificates of Oblig. 800,000																																																																																
										TOTAL FUNDED <u>\$ 2,795,919</u>																																																																																
										UNFUNDED <u>\$</u>																																																																																
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION							STRIP MAP																																																																																
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*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																		
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Construction		4/2017	12/2018																																																																																							
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Other		1/2013	12/2018																																																																																							
TOTAL SCHEDULE		1/2013	12/2018																																																																																							

PAGE NO: L03		Continuing Project						CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST		*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT LIBRARY			PROJECT TITLE RFID SERVICE DELIVERY						PROJECT NO(S). 19587		ACCOUNT NO(S). 692-2599-1958700		
PROJECT DESCRIPTION This project provides for RFID inventory control and asset management and security with automated check-in and materials sorting and with minor modifications to facilities. The construction program management is being handled by the Facilities Management Department.										FUNDING SOURCE(S) Other \$ 920,000 Certificates of Oblig. Issued 1,582,000 2018 Certificates of Oblig. 300,000 TOTAL FUNDED \$ 2,802,000 UNFUNDED \$ PROJECT TOTAL \$ 2,802,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations 50,000 Capital Total \$50,000				IMPACT EXPLANATION Equipment maintenance costs are currently estimated at \$50,000.						STRIP MAP Various locations.			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design													
Land/Right-of-Way													
Construction		700	1,689						2,389				
Landscaping													
Equip. & Furnish.			88						88				
Other (Consulting/Mgmt)		287	38						325				
TOTAL COSTS		987	1,815						2,802				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation		1,582	300						1,882				
Other (Lib. Tech. Fund)		920							920				
Unfunded													
TOTAL SOURCES		2,502	300						2,802				
										PROJECT SCHEDULE		START	FINISH
										Design			
										Land/Right-of-Way			
										Construction		12/2017	6/2018
										Finish Out			
										Other		1/2013	6/2018
										TOTAL SCHEDULE		1/2013	6/2018

PUBLIC SAFETY DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Fire</u>											
12032	Fire Station No. 5	PS01	CF/GOB91/04/CO	\$5,106	\$358	\$0	\$0	\$0	\$0	\$0	\$5,464
12099	Remodel Fire Station No. 7	PS02	GOB04/UNF	0	0	0	0	0	0	3,493	3,493
12101	Relocate Fire Station No. 1	PS03	GOB04/UNF	0	0	0	0	0	0	11,691	11,691
12107	Ambulance Remounts	PS04	CO/UNF	1,640	1,693	691	725	762	800	840	7,151
12058	Replace Fire Apparatus	PS05	CF/CO/UNF	5,236	2,346	1,728	0	2,856	0	0	12,166
12108	* Emergency Response Safety Equipment	PS06	CO/UNF	0	0	1,749	0	0	0	0	1,749
<u>Management Information Services</u>											
23047	Radio System Replacement	PS07	CF/CO/INT/Other	16,337	759	0	0	0	0	0	17,096
Total				<u>\$28,319</u>	<u>\$5,156</u>	<u>\$4,168</u>	<u>\$725</u>	<u>\$3,618</u>	<u>\$800</u>	<u>\$16,024</u>	<u>\$58,810</u>
Total Existing CO's/Current Funds/Tax/Interest				\$27,334	\$1,767	\$0	\$0	\$0	\$0	\$0	\$29,101
2018 Certificates of Obligation				0	3,389	0	0	0	0	0	3,389
Unfunded				0	0	4,168	725	3,618	800	14,999	24,310
Total 1991 Bond Program				560	0	0	0	0	0	0	560
Total 2004 Bond Program				425	0	0	0	0	0	1,025	1,450
Total				<u>\$28,319</u>	<u>\$5,156</u>	<u>\$4,168</u>	<u>\$725</u>	<u>\$3,618</u>	<u>\$800</u>	<u>\$16,024</u>	<u>\$58,810</u>

*Projects funded for the first time

PUBLIC SAFETY DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
UNAPPROVED PROJECTS

PROJ. NO.	Project Description	Page	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
	<u>Fire</u>									
12098	Relocate Fire Station No. 6	PS08	\$0	\$0	\$1,945	\$5,130	\$550	\$0	\$0	\$7,625
	<u>Police</u>									
13026	* Evidence and Police Property Facility	PS09	0	0	0	1,139	8,536	8,740	0	18,415
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$1,945</u>	<u>\$6,269</u>	<u>\$9,086</u>	<u>\$8,740</u>	<u>\$0</u>	<u>\$26,040</u>

*Projects requested for the first time

PUBLIC SAFETY DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Fire</u>										
12099	Remodel Fire Station No. 7	PS02	Appr.	\$0	\$0	\$0	\$0	\$0	\$3,493	\$3,493
12101	Relocate Fire Station No. 1	PS03	Appr.	0	0	0	0	0	11,691	11,691
12107	Ambulance Remounts	PS04	Appr.	1,561	691	725	762	800	840	5,379
12058	Replace Fire Apparatus	PS05	Appr.	1,828	1,728	0	2,856	0	0	6,412
12108	* Emergency Response Safety Equipment	PS07	Appr.	0	1,749	0	0	0	0	1,749
12098	Relocate Fire Station No. 6	PS08	Unappr.	0	1,945	5,130	550	0	0	7,625
<u>Police</u>										
13026	Evidence and Police Property Facility	PS09	Unappr.	0	0	1,139	8,536	8,740	0	18,415
Total				<u>\$3,389</u>	<u>\$6,113</u>	<u>\$6,994</u>	<u>\$12,704</u>	<u>\$9,540</u>	<u>\$16,024</u>	<u>\$54,764</u>
Total Approved				\$3,389	\$4,168	\$725	\$3,618	\$800	\$16,024	\$28,724
Total Unapproved				0	1,945	6,269	9,086	8,740	0	26,040
Total				<u>\$3,389</u>	<u>\$6,113</u>	<u>\$6,994</u>	<u>\$12,704</u>	<u>\$9,540</u>	<u>\$16,024</u>	<u>\$54,764</u>

*Projects funded for the first time

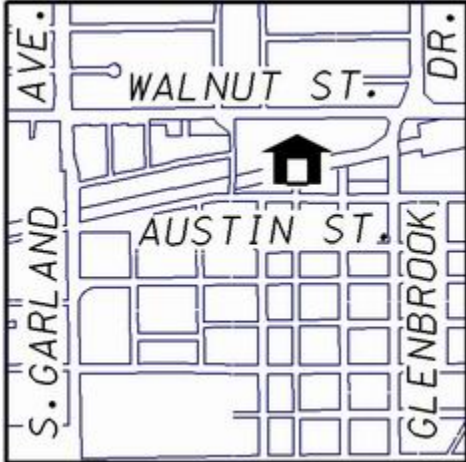
PAGE NO: PS01	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 3
DEPARTMENT FIRE		PROJECT TITLE FIRE STATION NO. 5						PROJECT NO(S). 12032	ACCOUNT NO(S). 633-4749-1203200 692-4749-1203200
PROJECT DESCRIPTION The original scope of 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.									
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION Current building is nonsustainable in regard to maintenance. Operational impacts should be minimal due to inefficiencies of current mechanical systems. More cost-efficient and sustainable designs will be sought in new station.					
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 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 12-2017	2018	2019	2020	2021	2022	2023 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	

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									
<table style="width:100%;"> <tr> <td style="text-align: right;">TOTAL FUNDED</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">5,464,472</td> </tr> <tr> <td style="text-align: right;">UNFUNDED</td> <td style="text-align: right;">\$</td> <td></td> </tr> <tr> <td style="text-align: right;">PROJECT TOTAL</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">5,464,472</td> </tr> </table>			TOTAL FUNDED	\$	5,464,472	UNFUNDED	\$		PROJECT TOTAL	\$	5,464,472
TOTAL FUNDED	\$	5,464,472									
UNFUNDED	\$										
PROJECT TOTAL	\$	5,464,472									

STRIP MAP

PROJECT SCHEDULE	START	FINISH
Design	1/2006	3/2017
Land/Right-of-Way		
Construction	10/2015	6/2018
Finish Out		
Other		
TOTAL SCHEDULE	1/2006	6/2018

PAGE NO: PS02	<i>Unfunded Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 1			
DEPARTMENT FIRE			PROJECT TITLE REMODEL FIRE STATION NO. 7					PROJECT NO(S). 12099		ACCOUNT NO(S). 642-1399-1209904			
PROJECT DESCRIPTION Remodel Fire Station No. 7 (approximately 5,957 sq. ft. built in 1985), located at 2545 Naaman School Road. Add approximately 4,243 sq. ft. of area to include additional pull-through apparatus bay, update/expand living quarters, increase loose equipment storage areas, increase work areas, and add a conditioned physical fitness area.										FUNDING SOURCE(S)			
										2004 Bond Fund \$ 425,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____										IMPACT EXPLANATION Building and mechanical need updating and replacing to prolong building life. Some Operating Budget impacts will result from continuing full service from a facility undergoing major remodel. The land and utilities are on site and sufficient for project.			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design								371	371				
Land/Right-of-Way													
Construction								2,547	2,547				
Landscaping													
Equip. & Furnish.								181	181				
Other								394	394				
TOTAL COSTS								3,493	3,493				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued								425	425				
RB's/Com Paper													
Certificates of Obligation													
Other													
Unfunded								3,068	3,068				
TOTAL SOURCES								3,493	3,493				
STRIP MAP 										PROJECT SCHEDULE		START	FINISH
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
TOTAL SCHEDULE		1/2023		12/2025									

PAGE NO: PS03	<i>Unfunded Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 2																																																																																																																																																											
DEPARTMENT FIRE			PROJECT TITLE RELOCATE FIRE STATION NO. 1					PROJECT NO(S). 12101		ACCOUNT NO(S). 642-1399-1210104																																																																																																																																																											
PROJECT DESCRIPTION Rebuild and relocate Fire Station No. 1 (approximately 10,614 sq. ft. built in 1967), currently located at 1019 Austin Street. Standards of coverage will be used to determine the ideal location.										FUNDING SOURCE(S)																																																																																																																																																											
										2004 Bond Fund \$ 600,000																																																																																																																																																											
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*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																																																																																													
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									TOTAL SCHEDULE	1/2023	12/2025																																																																																																																																																										

PAGE NO: PS04		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) N/A		
DEPARTMENT FIRE				PROJECT TITLE AMBULANCE REMOUNTS				PROJECT NO(S). 12107		ACCOUNT NO(S). 692-1399-1210711		
PROJECT DESCRIPTION Remount and refurbish two Frazer Ambulances onto new chassis by Frazer off HGAC contract and two new ambulances. Specific evaluations by Fleet Services and Fire will determine units, and essential emergency equipment replacement is included in the 2018 CIP projections. In 2017, the Texas Department of State Health Services (DSHS) enacted rules on the specific build specifications that equipment is required to meet to be licensed as an ambulance in the State of Texas. The ambulance remount practice is currently "grandfathered." However, some of the cost increases from the rules will be seen beginning in 2018. In 2019, the remount practice will have been exhausted, requiring the purchase of new ambulances, and we will be subject to the full extent and expenses of the DSHS rules governing ambulance specifications.								FUNDING SOURCE(S)				
								Certificates of Oblig. Issued \$ 1,772,000 2018 Certificates of Oblig. 1,561,000				
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations Capital Total				IMPACT EXPLANATION CIP continuance for ambulance replacement maintains frontline fleet and reserve fleet. The reserve fleet maintains "ready" status for local responses, response agreements, and MOUs in the county, region, and state. Replacing older units will increase operational efficiencies in maintenance and reliability. Fleet Services has reviewed and approved units selected for replacement.				TOTAL FUNDED \$ 3,333,000 UNFUNDED \$ 3,818,000 PROJECT TOTAL \$ 7,151,000				
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.		1,640	1,693	691	725	762	800	840	7,151			
Other												
TOTAL COSTS		1,640	1,693	691	725	762	800	840	7,151			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation		1,772	1,561						3,333	Construction		
Other										Finish Out		
Unfunded				691	725	762	800	840	3,818	Other		
TOTAL SOURCES		1,772	1,561	691	725	762	800	840	7,151	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: PS05		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT FIRE				PROJECT TITLE REPLACE FIRE APPARATUS					PROJECT NO(S). 12058		ACCOUNT NO(S). 692-1399-12058XX	
PROJECT DESCRIPTION Provide funds for the regular replacement of frontline fire apparatus. Frontline apparatus is subsequently used as reserve fire apparatus as needed. 100' Aerial Quint Platform - Replaces 1997 100' Aerial Quint Platform. Mini 1500 GPM Pumper - New initiative fire apparatus for limited access areas including parking garages.									FUNDING SOURCE(S)			
									Certificates of Oblig. Issued		\$ 4,235,838	
									Current Funds		1,518,000	
									2018 Certificates of Oblig.		1,828,000	
									TOTAL FUNDED		\$ 7,581,838	
									UNFUNDED		\$ 4,584,000	
									PROJECT TOTAL		\$ 12,165,838	
IMPACT ON OPERATING BUDGET									IMPACT EXPLANATION A defined methodology is used to determine the greatest cost benefit and service effectiveness to the City for fire apparatus replacement. Based on empirical modeling, older frontline equipment will be replaced and moved to reserve status and older reserve apparatus will be removed from service. Fleet Services has performed the approval evaluations for replacement.			
☒ Will Impact Annual Cost/(Savings):												
☐ Will Not Impact Personnel Operations												
# of Positions _____ Capital _____												
Total _____												
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.		5,236	2,346	1,728		2,856			12,166			
Other												
TOTAL COSTS		5,236	2,346	1,728		2,856			12,166			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		1,518							1,518			
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation		4,236	1,828						6,064	Construction		
Other										Finish Out		
Unfunded				1,728		2,856			4,584	Other		
TOTAL SOURCES		5,754	1,828	1,728		2,856			12,166	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: PS06		New Project						CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST		*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT FIRE			PROJECT TITLE EMERGENCY RESPONSE SAFETY EQUIPMENT						PROJECT NO(S). 12108		ACCOUNT NO(S). 691-1399-12108XX		
PROJECT DESCRIPTION Upgrade Self-Contained Breathing Apparatus (SCBA) to current technologies for improved ergonomics, protection, and performance. This request includes 170 air packs with two 45-minute air cylinders (340 total air cylinders) and accessories in compliance with the most current standards of National Fire Protection Association (NFPA) 1981 Standard on Open-Circuit Self-Contained Breathing Apparatus and NFPA 1852 Standard on Selection, Care, and Maintenance of Open-Circuit Self-Contained Breathing Apparatus.										FUNDING SOURCE(S) \$			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION NFPA standards require scheduled maintenance, testing, fitting, and servicing throughout the life of the equipment. Operating funds are budgeted to cover current expenditures needed for this purpose. Dependent upon model selected, additional training and expenditures may be incurred for current Firefighters serving as SCBA Technicians.							TOTAL FUNDED \$ UNFUNDED \$ 1,749,000 PROJECT TOTAL \$ 1,749,000			
STRIP MAP													
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design													
Land/Right-of-Way													
Construction													
Landscaping													
Equip. & Furnish.				1,749					1,749				
Other													
TOTAL COSTS				1,749					1,749				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation													
Other													
Unfunded				1,749					1,749				
TOTAL SOURCES				1,749					1,749				
										PROJECT SCHEDULE		START	FINISH
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
TOTAL SCHEDULE										2/2019		12/2019	

PAGE NO: PS07	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*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 Requesting funding for new P25 standard radio system for Public Safety and other City entities to replace end-of-life cycle existing analog radio system. The City uses Motorola's Gold Elite console system and relies on a trunked radio system. Motorola no longer manufactures these systems and has agreed to provide support for our current system until the new system is rolled out. This will be the final year of expenditures for this multi-year project.								FUNDING SOURCE(S)																																																																																
								Certificates of Oblig. Issued \$ 11,338,000 Current Funds 1,000,000 Interest 650,000 Reimbursement 4,108,000																																																																																
								TOTAL FUNDED <u>\$ 17,096,000</u>																																																																																
								UNFUNDED <u>\$</u>																																																																																
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel \$255,000 Operations Capital Total <u>\$255,000</u>		IMPACT EXPLANATION The cost of the annual maintenance for the radio system will increase. There will also be a need to add 3 to 5 new positions - dependent on whether we partner with other cities - to support the radio system. As of the FY 2017-18 Adopted Operating Budget, three positions have been added.						STRIP MAP Various locations.																																																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">*PROJECT COSTS</th> <th style="width:10%;">Thru 12-2017</th> <th style="width:10%;">2018</th> <th style="width:10%;">2019</th> <th style="width:10%;">2020</th> <th style="width:10%;">2021</th> <th style="width:10%;">2022</th> <th style="width:10%;">2023 to Completion</th> <th style="width:10%;">Total</th> </tr> <tr><td>Design</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Land/Right-of-Way</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Construction</td><td>16,307</td><td>589</td><td></td><td></td><td></td><td></td><td></td><td>16,896</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 (Project Manager)</td><td>30</td><td>170</td><td></td><td></td><td></td><td></td><td></td><td>200</td></tr> <tr><td>TOTAL COSTS</td><td>16,337</td><td>759</td><td></td><td></td><td></td><td></td><td></td><td>17,096</td></tr> </table>										*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Design									Land/Right-of-Way									Construction	16,307	589						16,896	Landscaping									Equip. & Furnish.									Other (Project Manager)	30	170						200	TOTAL COSTS	16,337	759						17,096							
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total																																																																														
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*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																
Current Funds	1,000							1,000																																																																																
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								Construction	4/2014	6/2018																																																																														
								Finish Out																																																																																
								Other	1/2014	6/2018																																																																														
								TOTAL SCHEDULE	1/2014	6/2018																																																																														

Unapproved Submitted Projects

PAGE NO: PS08	<i>Unfunded Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 7
DEPARTMENT FIRE		PROJECT TITLE RELOCATE FIRE STATION NO. 6						PROJECT NO(S). 12098	ACCOUNT NO(S). 692-1399-1209804
PROJECT DESCRIPTION Relocate and rebuild Fire Station No. 6. (approximately 5,831 sq. ft. built in 1980), currently located at 2009 Holford Road. The best location to meet standards of cover to maximize response efficiencies and effectiveness will need to be analyzed with consideration given to future economic development and road construction in the area. In 2014, a third party engineer determined that, at the time of evaluation, the development and response accesses showed Station No. 6 to not be in the most advantageous location to meet best practices for standards of cover.									
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION Undetermined foundation issues are a concern. The cost of repairs versus future plans of response models and economic development will be of consideration as the building ages. Cost estimates do not include land or bringing utilities to the site.						
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	
Design			480	63	14			557	
Land/Right-of-Way									
Construction			1,395	4,098	466			5,959	
Landscaping									
Equip. & Furnish.				271	50			321	
Other			70	698	20			788	
TOTAL COSTS			1,945	5,130	550			7,625	
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	
Current Funds									
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper									
Certificates of Obligation									
Other									
Unfunded			1,945	5,130	550			7,625	
TOTAL SOURCES			1,945	5,130	550			7,625	

FUNDING SOURCE(S)		\$
 TOTAL FUNDED		\$
UNFUNDED		\$ 7,625,379
PROJECT TOTAL		\$ 7,625,379

STRIP MAP


PROJECT SCHEDULE	START	FINISH
Design	1/2019	12/2021
Land/Right-of-Way		
Construction	6/2019	12/2021
Finish Out	1/2020	12/2021
Other	1/2019	12/2021
TOTAL SCHEDULE	1/2019	12/2021

PAGE NO: PS09		Unfunded Project							*Amounts in 000's \$			COUNCIL DISTRICT(S) All			
DEPARTMENT POLICE					PROJECT TITLE EVIDENCE AND POLICE PROPERTY FACILITY					PROJECT NO(S). 13026		ACCOUNT NO(S). 691-1299-1302600			
PROJECT DESCRIPTION												FUNDING SOURCE(S) TOTAL FUNDED\$ UNFUNDED\$ 18,415,000 PROJECT TOTAL\$ 18,415,000			
The purpose of this request is to build a new Police Evidence and Property Facility. Wrongful conviction legislation and changes in the Statute of Limitation Laws have changed the retention laws for evidence and property, especially for DNA and Biological Evidence. This change in law requires DNA and other evidence to be kept longer and our current facility is not capable of maintaining these storage levels. The current facility was built in 1982 before DNA was an investigative technique and it does not meet the Department of Justice standards for storing DNA and Biological Evidence. These problems threaten the Police Department's ability to effectively prosecute violent crime. This request also includes Evidence Management software to properly document the chain of custody for all evidence as well as providing the ability to purge property and evidence as soon as legally permitted.															
IMPACT ON OPERATING BUDGET					IMPACT EXPLANATION										
☒ Will Impact ☐ Will Not Impact # of Positions Annual Cost/(Savings): Personnel Operations3,000 Capital Total\$3,000					Our current facility does not have air conditioning for the main warehouse. The new facility will have to be climate and humidity controlled to prevent the degradation of DNA and biological material. This will raise energy costs. Additionally, some additional packaging materials for evidence will increase operating costs.										
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP 					
Design					891	506	176		1,573						
Land/Right-of-Way															
Construction					110	6,600	6,490		13,200						
Landscaping															
Equip. & Furnish.						1,320	1,964		3,284						
Other					138	110	110		358						
TOTAL COSTS					1,139	8,536	8,740		18,415						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued										PROJECT SCHEDULE		START	FINISH		
GO's Unissued										Design		3/2020	12/2020		
RB's/Com Paper										Land/Right-of-Way					
Certificates of Obligation										Construction		11/2020	12/2022		
Other										Finish Out					
Unfunded					1,139	8,536	8,740		18,415	Other					
TOTAL SOURCES					1,139	8,536	8,740		18,415	TOTAL SCHEDULE		3/2020	12/2022		

ECONOMIC DEVELOPMENT DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
Engineering											
10046	Land/Property Acquisition	ED01	INT	\$80	\$77	\$70	\$0	\$0	\$0	\$0	\$227
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	1,692	702	138	400	428	458	0	3,818
10032	Land Acquisition	ED04	CF/GOB04	5,350	6,411	0	0	0	0	920	12,681
10034	Neighborhood Vitality Grant Program	ED05	GOB04/Other/UNF	2,997	1,055	750	157	156	0	0	5,115
10042	Downtown Gateways	ED06	GOB04	108	164	528	0	0	0	0	800
10043	Downtown Square Design & Construction	ED07	GOB04/INT/UNF	536	0	300	3,077	0	0	0	3,913
10044	Forest/Jupiter Streetscape	ED08	GOB04	0	0	0	0	0	0	980	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	393	667	38	0	0	0	360	1,458
10136	City Center Development	ED11	CF/CO/Other	17,295	541	0	0	0	0	0	17,836
10508	Economic Development Office	ED12	CF/CO	670	1,051	0	0	0	0	0	1,721
10509	* Citywide Gateways	ED13	UNF	0	0	478	0	0	0	0	478
Total				<u>\$29,231</u>	<u>\$10,750</u>	<u>\$2,552</u>	<u>\$5,784</u>	<u>\$2,584</u>	<u>\$458</u>	<u>\$5,150</u>	<u>\$56,509</u>
Total Existing CO's/CF/Other				\$23,043	\$9,192	\$108	\$0	\$0	\$0	\$360	\$32,703
2018 Certificate of Obligation				0	404	0	0	0	0	0	404
Total 2004 Bond Program				6,188	1,154	1,578	734	156	0	4,790	14,600
Unfunded				<u>0</u>	<u>0</u>	<u>866</u>	<u>5,050</u>	<u>2,428</u>	<u>458</u>	<u>0</u>	<u>8,802</u>
Total				<u>\$29,231</u>	<u>\$10,750</u>	<u>\$2,552</u>	<u>\$5,784</u>	<u>\$2,584</u>	<u>\$458</u>	<u>\$5,150</u>	<u>\$56,509</u>

*Projects funded for the first time

ECONOMIC DEVELOPMENT DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Engineering</u>										
10510	* Downtown Street/Sidewalk/Parking Study	ED02	Appr.	\$82	\$250	\$2,150	\$2,000	\$0	\$0	\$4,482
<u>Planning</u>										
10027	Downtown Streetscape & Redevelopment	ED03	Appr.	109	138	400	428	458	0	1,533
10032	Land Acquisition	ED04	Appr.	0	0	0	0	0	920	920
10034	Neighborhood Vitality Grant Program	ED05	Appr.	535	750	157	156	0	0	1,598
10042	Downtown Gateways	ED06	Appr.	72	528	0	0	0	0	600
10043	Downtown Square Design & Construction	ED07	Appr.	0	300	3,077	0	0	0	3,377
10044	Forest/Jupiter Streetscape	ED08	Appr.	0	0	0	0	0	980	980
10049	Commercial Corridor Revitalization	ED09	Appr.	0	0	0	0	0	2,890	2,890
10508	Economic Development Office	ED12	Appr.	148	0	0	0	0	0	148
10509	* Citywide Gateways	ED13	Appr.	0	478	0	0	0	0	478
Total				<u>\$946</u>	<u>\$2,444</u>	<u>\$5,784</u>	<u>\$2,584</u>	<u>\$458</u>	<u>\$4,790</u>	<u>\$17,006</u>
Total Approved				\$946	\$2,444	\$5,784	\$2,584	\$458	\$4,790	\$17,006
Total Unapproved				0	0	0	0	0	0	0
Total				<u>\$946</u>	<u>\$2,444</u>	<u>\$5,784</u>	<u>\$2,584</u>	<u>\$458</u>	<u>\$4,790</u>	<u>\$17,006</u>

*Projects funded for the first time

PAGE NO: ED01	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 2																																																																														
DEPARTMENT ENGINEERING			PROJECT TITLE LAND/PROPERTY ACQUISITION					PROJECT NO(S). 10046	ACCOUNT NO(S). 692-1409-10046XX																																																																															
PROJECT DESCRIPTION This program is intended to provide a means for the City to purchase land and/or property for redevelopment, with an emphasis on the Cooper Addition subdivision										FUNDING SOURCE(S)																																																																														
										Interest \$ 227,000																																																																														
										TOTAL FUNDED \$ 227,000																																																																														
										UNFUNDED \$																																																																														
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION					STRIP MAP Various locations.																																																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">*PROJECT COSTS</th> <th style="width:10%;">Thru 12-2017</th> <th style="width:10%;">2018</th> <th style="width:10%;">2019</th> <th style="width:10%;">2020</th> <th style="width:10%;">2021</th> <th style="width:10%;">2022</th> <th style="width:10%;">2023 to Completion</th> <th style="width:10%;">Total</th> </tr> <tr><td>Design</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Land/Right-of-Way</td><td>80</td><td>77</td><td>70</td><td></td><td></td><td></td><td></td><td>227</td></tr> <tr><td>Construction</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Landscaping</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Equip. & Furnish.</td><td></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>80</td><td>77</td><td>70</td><td></td><td></td><td></td><td></td><td>227</td></tr> </table>											*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Design									Land/Right-of-Way	80	77	70					227	Construction									Landscaping									Equip. & Furnish.									Other									TOTAL COSTS	80	77	70					227						
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total																																																																													
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*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																
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TOTAL SOURCES	80	77	70					227																																																																																
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								Land/Right-of-Way																																																																																
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								Finish Out																																																																																
								Other																																																																																
TOTAL SCHEDULE								(Ongoing	Project)																																																																															

PAGE NO: ED02		<i>New Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) 2	
DEPARTMENT ENGINEERING				PROJECT TITLE DOWNTOWN STREET/SIDEWALK/PARKING STUDY					PROJECT NO(S). 10510		ACCOUNT NO(S). 691-1409-1051000	
PROJECT DESCRIPTION This project includes a parking study of the Downtown Garland Square area, bounded by Fifth Street, Sixth Street, Main Street, and State Street in 2018. Future funding is included for the detailed design and construction of the streets, sidewalks, and parking connected to the Downtown Garland Square bounded by Main Street, Fifth Street, Sixth Street, and State Street, including intersection improvements at all four intersections.									FUNDING SOURCE(S) 2018 Certificates of Oblig. \$ 82,000			
									TOTAL FUNDED		\$ 82,000	
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION							UNFUNDED		\$ 4,400,000	
PROJECT TOTAL									\$ 4,482,000			
☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions Capital Total									STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total
Design			82	250	150							482
Land/Right-of-Way												
Construction					2,000	2,000						4,000
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS			82	250	2,150	2,000						4,482
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total
Current Funds												
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design	2/2018	12/2020
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation			82						82	Construction	1/2020	9/2021
Other										Finish Out	6/2020	12/2021
Unfunded				250	2,150	2,000			4,400	Other		
TOTAL SOURCES			82	250	2,150	2,000			4,482	TOTAL SCHEDULE	2/2018	12/2021

PAGE NO: ED03		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) 2	
DEPARTMENT PLANNING				PROJECT TITLE DOWNTOWN STREETScape & REDEVELOPMENT					PROJECT NO(S). 10027		ACCOUNT NO(S). 692-1509-10027XX	
PROJECT DESCRIPTION This project will provide funding to implement pedestrian-oriented streetscape improvements linking the Downtown DART Station; the Downtown Square; the Richland College - Garland Campus; and primary business, entertainment, and public activity centers. Project elements include pedestrian lighting, brick paving of crosswalks, signage, wayfinding gateways, landscaping (canopy and ornamental trees, turf, groundcover, and flowers), and street furniture (benches and trash receptacles).									FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,837,000 Current Funds 127,900 Developer Participation 65,000 Cash Transfer - Hotel/Motel 255,000 2018 Certificates of Oblig. 109,000 TOTAL FUNDED \$ 2,393,900 UNFUNDED \$ 1,424,000 PROJECT TOTAL \$ 3,817,900			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations Capital Total				IMPACT EXPLANATION								
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design		353	43						396			
Land/Right-of-Way												
Construction		1,300	648	134	400	428	458		3,368			
Landscaping												
Equip. & Furnish.												
Other		39	11	4					54			
TOTAL COSTS		1,692	702	138	400	428	458		3,818			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		383							383			
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation		1,837	109						1,946	Construction		
Other (Developer Part.)		65							65	Finish Out		
Unfunded				138	400	428	458		1,424	Other		
TOTAL SOURCES		2,285	109	138	400	428	458		3,818	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: ED04	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT PLANNING		PROJECT TITLE LAND ACQUISITION						PROJECT NO(S). 10032	ACCOUNT NO(S). 644-1509-1003204		
PROJECT DESCRIPTION This project will provide funding for acquisition of properties deemed essential to implementation of economic development projects, including transit-oriented development in the vicinity of the DART Rail Station. The Hypermart land acquisition project will facilitate the repositioning of the blighted and abandoned 226,403 sq. ft. building and 24.4 acres of land and return the site to a productive tax-generating development. The site is well suited to some form of light industrial technology or business park development. The Rose Hill land acquisition project will land-bank 21.9 acres of undeveloped land to preserve the opportunity to facilitate the implementation of City Council's approved I.H. 30 - Rose Hill Catalyst Area Plan. The Plan's vision forecasts the site will be used in a public-private partnership to deliver approximately seven (7) acres of mixed-retail, and the balance of the site will be used for single-family, multi-family, or mixed housing development.								FUNDING SOURCE(S) 2004 Bond Fund \$ 3,420,000 Cash Transfer - General Fd 4,610,638 Cash Transfer - ED Reserve 4,650,000			
								TOTAL FUNDED \$ 12,680,638 UNFUNDED \$ PROJECT TOTAL \$ 12,680,638			
IMPACT ON OPERATING BUDGET ☐ Will Impact ☒ Will Not Impact # of Positions _____ Annual Cost/(Savings): Personnel _____ Operations _____ Capital _____ Total _____			IMPACT EXPLANATION						STRIP MAP		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total
Design											
Land/Right-of-Way		5,350	6,411					920			12,681
Construction											
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		5,350	6,411					920			12,681
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total
Current Funds		9,261							9,261		
GO's/Com Paper Issued		2,500							2,500		
GO's Unissued								920	920		
RB's/Com Paper											
Certificates of Obligation											
Other											
Unfunded											
TOTAL SOURCES		11,761						920	12,681		
PROJECT SCHEDULE		START		FINISH							
Design											
Land/Right-of-Way											
Construction											
Finish Out											
Other											
TOTAL SCHEDULE		(Ongoing		Project)							

PAGE NO: ED05		<i>Continuing Project</i>		CITY OF GARLAND - 2018 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 projects. The unfunded request of \$65,000 represents Library's contribution to the North Garland Avenue Corridor Enhancement of the North Branch Library.									FUNDING SOURCE(S)			
									2004 Bond Fund \$ 5,000,000 Contributions 50,459 2018 Certificates of Oblig. 65,000 TOTAL FUNDED \$ 5,115,459 UNFUNDED \$ PROJECT TOTAL \$ 5,115,459			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION					STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total
Design												
Land/Right-of-Way												
Construction		2,997	1,055	750	157	156						5,115
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		2,997	1,055	750	157	156						5,115
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total
Current Funds												
GO's/Com Paper Issued		3,467							3,467			
GO's Unissued			470	750	157	156			1,533			
RB's/Com Paper												
Certificates of Obligation			65						65			
Other (Contributions)		50							50			
Unfunded												
TOTAL SOURCES		3,517	535	750	157	156			5,115			
PROJECT SCHEDULE		START		FINISH								
Design												
Land/Right-of-Way												
Construction												
Finish Out												
Other												
TOTAL SCHEDULE		1/2005		12/2021								

PAGE NO: ED06	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*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. Partial funding for the study of streets, roadways, and sidewalks connected to the Downtown Garland Square bounded by Fifth Street, Sixth Street, Main Street, including intersection improvements at all four intersections.										FUNDING SOURCE(S)	
										2004 Bond Fund \$ 800,000	
										TOTAL FUNDED \$ 800,000	
										UNFUNDED \$	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ 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.					TOTAL PROJECT TOTAL \$ 800,000			
STRIP MAP											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design	108	64						172			
Land/Right-of-Way											
Construction		100	528					628			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	108	164	528					800			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued	200							200	PROJECT SCHEDULE	START	FINISH
GO's Unissued		72	528					600	Design	6/2016	12/2018
RB's/Com Paper									Land/Right-of-Way		
Certificates of Obligation									Construction	6/2018	12/2019
Other									Finish Out		
Unfunded									Other		
TOTAL SOURCES	200	72	528					800	TOTAL SCHEDULE	6/2016	12/2019

PAGE NO: ED07		Continuing Project						*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 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 replacement of the large reflecting pool with a central fountain, 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/private redevelopment efforts. Partial funding for the study of streets, roadways, and sidewalks connected to the Downtown Garland Square bounded by Fifth Street, Sixth Street, Main Street, including intersection improvements at all four intersections.										FUNDING SOURCE(S) 2004 Bond Fund \$ 1,400,000 Interest 13,000 TOTAL FUNDED \$ 1,413,000 UNFUNDED \$ 2,500,000 PROJECT TOTAL \$ 3,913,000		
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations Capital Total				IMPACT EXPLANATION The impact on the Operating Budget cannot be determined until a design is finalized.								
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
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 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued		523							523	PROJECT SCHEDULE	START	FINISH
GO's Unissued				300	577				877	Design	10/2010	12/2019
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation										Construction	1/2020	12/2020
Other (Interest)		13							13	Finish Out		
Unfunded					2,500				2,500	Other		
TOTAL SOURCES		536		300	3,077				3,913	TOTAL SCHEDULE	10/2010	12/2020

PAGE NO: ED08		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) 6		
DEPARTMENT PLANNING			PROJECT TITLE FOREST/JUPITER STREETScape					PROJECT NO(S). 10044		ACCOUNT NO(S). 643-1509-1004404		
PROJECT DESCRIPTION This project will provide pedestrian-oriented streetscape improvements linking the Forest/Jupiter DART Station with nearby employment centers, businesses, and residential neighborhoods. Project elements will include enhanced sidewalks, pedestrian lighting, signage, and landscaping (trees, turf, groundcover, and flowers). Improvements will be coordinated with implementation of the Forest/Jupiter Transit-Oriented Redevelopment Plan.										FUNDING SOURCE(S) 2004 Bond Fund \$ 980,000		
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION Operating expenses will be incurred for landscape and irrigation maintenance and plant material replacement. The amount of expense will be dependent on the type and extent of landscape treatment.							TOTAL FUNDED \$ 980,000		
										UNFUNDED \$		
										PROJECT TOTAL \$ 980,000		
STRIP MAP												
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design								100	100			
Land/Right-of-Way												
Construction								880	880			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS								980	980			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued								980	980			
RB's/Com Paper												
Certificates of Obligation												
Other												
Unfunded												
TOTAL SOURCES								980	980			
										PROJECT SCHEDULE	START	FINISH
Design										1/2023	12/2023	
Land/Right-of-Way												
Construction										1/2023	12/2023	
Finish Out												
Other												
TOTAL SCHEDULE										1/2023	12/2023	

PAGE NO: ED09	<i>Continuing Project</i>	CITY OF GARLAND - 2018 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 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.									FUNDING SOURCE(S)	
									2004 Bond Fund \$ 3,000,000	
									TOTAL FUNDED \$ 3,000,000	
									UNFUNDED \$	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION 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 TOTAL \$ 3,000,000	
STRIP MAP										
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 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 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	
Current Funds										
GO's/Com Paper Issued		110							110	
GO's Unissued								2,890	2,890	
RB's/Com Paper										
Certificates of Obligation										
Other										
Unfunded										
TOTAL SOURCES		110						2,890	3,000	
PROJECT SCHEDULE		START		FINISH						
Design		6/2007		6/2023						
Land/Right-of-Way										
Construction		6/2023		12/2023						
Finish Out										
Other										
TOTAL SCHEDULE		6/2007		12/2023						

PAGE NO: ED10		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) 2	
DEPARTMENT PLANNING				PROJECT TITLE WALNUT STREET PEDESTRIAN CORRIDOR					PROJECT NO(S). 10127		ACCOUNT NO(S). 692-1509-10127XX	
PROJECT DESCRIPTION This project will provide funding to establish a pedestrian corridor/linear open space on the south side of Walnut Street, north of the DART line, between Fifth Street and Glenbrook Drive. The project will complement and link public and private projects including the Downtown Rail Station, 5th Street Crossing, the Richland College - Garland Campus, the Granville Arts Center, the Central Library, and Downtown streetscape enhancement. The project will include landscaping (trees, turf, and groundcover), sidewalks, fencing, enhanced pavement, and street furniture (benches and trash receptacles) to facilitate pedestrian access and respite.									FUNDING SOURCE(S)			
									Certificates of Oblig. Issued		\$	35,000
									Other			100,000
									Eastgate Residual			104,000
Current Funds			1,219,000									
TOTAL FUNDED		\$	1,458,000									
UNFUNDED		\$										
PROJECT TOTAL		\$	1,458,000									
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations 20,000 Capital Total \$20,000									IMPACT EXPLANATION Operating expenses will be incurred for landscape and irrigation maintenance, litter collection, and plant material replacement. Amount of expenses is undetermined, as it is dependent on the specific design and materials.			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		115	30						145			
Land/Right-of-Way												
Construction		260	550	38				360	1,208			
Landscaping												
Equip. & Furnish.												
Other		18	87						105			
TOTAL COSTS		393	667	38				360	1,458			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		826							826			
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		35							35			
Other (TreeMit/Eastgt/Int)		597							597			
Unfunded												
TOTAL SOURCES		1,458							1,458			
									PROJECT SCHEDULE		START	FINISH
									Design		3/2011	3/2018
									Land/Right-of-Way			
									Construction		6/2017	5/2023
									Finish Out			
									Other			
									TOTAL SCHEDULE		3/2011	5/2023

PAGE NO: ED11		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) 2																					
DEPARTMENT PLANNING				PROJECT TITLE CITY CENTER DEVELOPMENT				PROJECT NO(S). 10136		ACCOUNT NO(S). 692-1509-1013612																					
PROJECT DESCRIPTION This project will provide funding to help implement the next phase of mixed-use development in Downtown, improvements to existing public facilities, as well as the development of additional open space in Downtown. Specific project elements include construction of a multi-level parking garage serving the public, staff, and residential tenants; re-skinning of the City Hall façade; site preparation for residential development including relocating the structures residing at Heritage Park; continuation of streetscape improvements along Austin and State Streets; as well as creation of a public open space adjacent to the Granville Arts Center. The overall project will be accomplished in partnership with a private developer.										FUNDING SOURCE(S) <table> <tr> <td>Current Funds</td> <td>\$ 12,636,588</td> </tr> <tr> <td>2013 TIF CO</td> <td>3,000,000</td> </tr> <tr> <td>Certificates of Oblig. Issued</td> <td>1,873,000</td> </tr> <tr> <td>Developer Participation</td> <td>326,000</td> </tr> <tr> <td colspan="2">TOTAL FUNDED</td> </tr> <tr> <td></td> <td>\$ 17,835,588</td> </tr> <tr> <td colspan="2">UNFUNDED</td> </tr> <tr> <td></td> <td>\$</td> </tr> <tr> <td colspan="2">PROJECT TOTAL</td> </tr> <tr> <td></td> <td>\$ 17,835,588</td> </tr> </table>		Current Funds	\$ 12,636,588	2013 TIF CO	3,000,000	Certificates of Oblig. Issued	1,873,000	Developer Participation	326,000	TOTAL FUNDED			\$ 17,835,588	UNFUNDED			\$	PROJECT TOTAL			\$ 17,835,588
Current Funds	\$ 12,636,588																														
2013 TIF CO	3,000,000																														
Certificates of Oblig. Issued	1,873,000																														
Developer Participation	326,000																														
TOTAL FUNDED																															
	\$ 17,835,588																														
UNFUNDED																															
	\$																														
PROJECT TOTAL																															
	\$ 17,835,588																														
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION																											
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																						
Design		1,517	7						1,524																						
Land/Right-of-Way																															
Construction		15,157	500						15,657																						
Landscaping																															
Equip. & Furnish.		162	3						165																						
Other		459	31						490																						
TOTAL COSTS		17,295	541						17,836																						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																						
Current Funds		12,637							12,637																						
GO's/Com Paper Issued																															
GO's Unissued																															
RB's/Com Paper																															
Certificates of Obligation		4,873							4,873																						
Other (Developer Part.)		326							326																						
Unfunded																															
TOTAL SOURCES		17,836							17,836																						
										PROJECT SCHEDULE	START	FINISH																			
										Design																					
										Land/Right-of-Way																					
										Construction																					
										Finish Out																					
										Other																					
										TOTAL SCHEDULE	6/2012	6/2018																			

PAGE NO: ED12	<i>Continuing Project</i>						*Amounts in 000's \$	COUNCIL DISTRICT(S) 2			
DEPARTMENT ECONOMIC DEVELOPMENT			PROJECT TITLE ECONOMIC DEVELOPMENT OFFICE					PROJECT NO(S). 10508	ACCOUNT NO(S). 692-1509-1050800		
PROJECT DESCRIPTION This project will provide funding to establish offices for the newly-formed Economic Development Department in Downtown Garland.							FUNDING SOURCE(S)				
							2016 Certificates of Oblig.		\$ 1,150,000		
							Current Funds		422,821		
		2018 Certificates of Oblig.		148,000							
TOTAL FUNDED		\$ 1,720,821									
UNFUNDED		\$									
PROJECT TOTAL		\$ 1,720,821									
IMPACT ON OPERATING BUDGET							IMPACT EXPLANATION				
☒ Will Impact Annual Cost/(Savings):											
☐ Will Not Impact Personnel Operations											
# of Positions _____ Capital _____ Total _____											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design	40	117						157			
Land/Right-of-Way	600							600			
Construction	15	742						757			
Landscaping											
Equip. & Furnish.		144						144			
Other	15	48						63			
TOTAL COSTS	670	1,051						1,721			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds	423							423			
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH
GO's Unissued									Design		
RB's/Com Paper									Land/Right-of-Way		
Certificates of Obligation	1,150	148						1,298	Construction		
Other									Finish Out		
Unfunded									Other		
TOTAL SOURCES	1,573	148						1,721	TOTAL SCHEDULE	1/2016	8/2018

PAGE NO: ED13	New Project	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST								*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT PLANNING			PROJECT TITLE CITYWIDE GATEWAYS						PROJECT NO(S). 10509	ACCOUNT NO(S). 691-1509-1050900			
PROJECT DESCRIPTION Citywide Gateways supports the Image Management Initiative by enhancing high traffic, high visibility corridors into the city. The signature signs create landmarks promoting the community's identify and confirming Garland as a destination for both residents and visitors.											FUNDING SOURCE(S) \$ TOTAL FUNDED \$ UNFUNDED \$ 478,000 PROJECT TOTAL \$ 478,000		
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION										
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP			
Design				28					28				
Land/Right-of-Way													
Construction				450					450				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS				478					478				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH	
GO's Unissued										Design			
RB's/Com Paper										Land/Right-of-Way			
Certificates of Obligation										Construction			
Other										Finish Out			
Unfunded				478					478	Other			
TOTAL SOURCES				478					478	TOTAL SCHEDULE	(Ongoing	Project)	

**MUNICIPAL FACILITIES AND MISCELLANEOUS
TAX SUPPORTED DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
APPROVED PROJECTS**

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Facilities Management</u>											
16037	HVAC Replacement/Upgrade	MF01	CO/UNF	\$1,204	\$600	\$300	\$250	\$250	\$250	\$0	\$2,854
16038	Roof Replacement	MF02	CF/CO/UNF	1,136	1,003	500	400	300	300	0	3,639
16039	Facilities Upgrades	MF03	CF/CO/UNF	1,287	400	400	400	400	400	0	3,287
16057	Fire Alarm, Fire Safety and Security Systems	MF04	CF/CO/INT/UNF	221	200	200	200	200	200	0	1,221
16062	Parking Lot Upgrades	MF05	CO/UNF	213	250	250	250	250	250	0	1,463
16066	Carver Center Renovation & Safety Upgrades	MF06	CO/UNF	300	3,063	0	0	0	0	0	3,363
16104	City Hall Code/Safety Updates	MF07	CO	1,718	192	0	0	0	0	0	1,910
16067	* Carver Senior Center Renovation	MF08	CDBG/CO	0	281	333	0	0	0	0	614
<u>Firewheel</u>											
36529	Firewheel Golf Park Equipment	MF09	CO/UNF	0	59	0	0	0	90	0	149
36530	Firewheel Golf Park Improvements	MF10	CF/CO/INT/UNF	1,022	308	250	150	150	150	0	2,030
36531	Firewheel Golf Park Cart Replacements	MF11	CO/UNF	0	638	531	0	0	0	775	1,944
<u>Public and Media Relations</u>											
16082	CGTV - Upgrades	MF12	Other	2,413	104	0	0	0	0	0	2,517
<u>Street</u>											
39811	Infrastructure Equipment	MF13	CO/UNF	1,410	970	500	500	500	500	0	4,380
Total				<u>\$10,924</u>	<u>\$8,068</u>	<u>\$3,264</u>	<u>\$2,150</u>	<u>\$2,050</u>	<u>\$2,140</u>	<u>\$775</u>	<u>\$29,371</u>
Total Existing CO's/Current Funds/Interest/Other				\$10,924	\$4,469	\$583	\$250	\$38	\$0	\$0	\$16,264
2018 Certificates of Obligation				0	3,599	0	0	0	0	0	3,599
Unfunded				0	0	2,681	1,900	2,012	2,140	775	9,508
Total				<u>\$10,924</u>	<u>\$8,068</u>	<u>\$3,264</u>	<u>\$2,150</u>	<u>\$2,050</u>	<u>\$2,140</u>	<u>\$775</u>	<u>\$29,371</u>

* Project funded for the first time

**MUNICIPAL FACILITIES AND MISCELLANEOUS
TAX SUPPORTED DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS**

PROJ. NO.	Project Description	Page	Project Status	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Facilities Management</u>										
16037	HVAC Replacement/Upgrade	MF01	Appr.	\$384	\$300	\$250	\$250	\$250	\$0	\$1,434
16038	Roof Replacement	MF02	Appr.	476	500	400	300	300	0	1,976
16039	Facilities Upgrade	MF03	Appr.	201	400	400	400	400	0	1,801
16057	Fire Alarm, Fire Safety and Security Systems	MF04	Appr.	52	200	200	200	200	0	852
16062	Parking Lot Upgrades	MF05	Appr.	0	0	0	212	250	0	462
16066	Carver Center Renovation & Safety Upgrades	MF06	Appr.	638	0	0	0	0	0	638
16067	* Carver Senior Center Renovation	MF08	Appr.	181	0	0	0	0	0	181
<u>Firewheel</u>										
36529	Firewheel Golf Park Equipment	MF09	Appr.	59	0	0	0	90	0	149
36530	Firewheel Golf Park Improvements	MF10	Appr.	0	250	150	150	150	0	700
36531	Firewheel Golf Park Cart Replacements	MF11	Appr.	638	531	0	0	0	775	1,944
<u>Street</u>										
39811	Infrastructure Equipment	MF13	Appr.	970	500	500	500	500	0	2,970
Total				<u>\$3,599</u>	<u>\$2,681</u>	<u>\$1,900</u>	<u>\$2,012</u>	<u>\$2,140</u>	<u>\$775</u>	<u>\$13,107</u>
Total Approved				\$3,599	\$2,681	\$1,900	\$2,012	\$2,140	\$775	\$13,107
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>\$3,599</u>	<u>\$2,681</u>	<u>\$1,900</u>	<u>\$2,012</u>	<u>\$2,140</u>	<u>\$775</u>	<u>\$13,107</u>

* Project funded for the first time

PAGE NO: MF01		Continuing Project						CITY OF GARLAND - 2018 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 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 on City facilities.										FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,420,360 2018 Certificates of Oblig. 384,000 TOTAL FUNDED \$ 1,804,360 UNFUNDED \$ 1,050,000 PROJECT TOTAL \$ 2,854,360			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION 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.						STRIP MAP Various locations.			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design													
Land/Right-of-Way													
Construction		1,204	600	300	250	250	250		2,854				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		1,204	600	300	250	250	250		2,854				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation		1,420	384						1,804				
Other													
Unfunded				300	250	250	250		1,050				
TOTAL SOURCES		1,420	384	300	250	250	250		2,854				
										PROJECT SCHEDULE		START	FINISH
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
										TOTAL SCHEDULE		(Ongoing	Project)

PAGE NO: MF02	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All																		
DEPARTMENT FACILITIES MANAGEMENT			PROJECT TITLE ROOF REPLACEMENT					PROJECT NO(S). 16038	ACCOUNT NO(S). 692-4749-16038XX																		
PROJECT DESCRIPTION Continuation of an annual Capital Replacement Program which was implemented in 1992 to repair and/or replace those roofs on City facilities that are no longer watertight due to damage or exceeded life cycles. The principal objective is to follow the Roof Management Program designed to reduce the life cycle costs of City of Garland roofs through periodic, routine, condition inspections and assessments; planned maintenance, repairs, and replacements; and correct application of quality roofing products.									FUNDING SOURCE(S) <table style="width:100%; border-collapse: collapse;"> <tr> <td>Certificates of Oblig. Issued</td> <td style="text-align: right;">\$ 1,462,757</td> </tr> <tr> <td>Current Funds</td> <td style="text-align: right;">200,000</td> </tr> <tr> <td>2018 Certificates of Oblig.</td> <td style="text-align: right;">476,000</td> </tr> <tr> <td colspan="2" style="padding-top: 20px;">TOTAL FUNDED</td> </tr> <tr> <td></td> <td style="text-align: right; border-top: 1px solid black;">\$ 2,138,757</td> </tr> <tr> <td colspan="2" style="padding-top: 10px;">UNFUNDED</td> </tr> <tr> <td></td> <td style="text-align: right; border-top: 1px solid black;">\$ 1,500,000</td> </tr> <tr> <td colspan="2" style="padding-top: 10px;">PROJECT TOTAL</td> </tr> <tr> <td></td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">\$ 3,638,757</td> </tr> </table>	Certificates of Oblig. Issued	\$ 1,462,757	Current Funds	200,000	2018 Certificates of Oblig.	476,000	TOTAL FUNDED			\$ 2,138,757	UNFUNDED			\$ 1,500,000	PROJECT TOTAL			\$ 3,638,757
Certificates of Oblig. Issued	\$ 1,462,757																										
Current Funds	200,000																										
2018 Certificates of Oblig.	476,000																										
TOTAL FUNDED																											
	\$ 2,138,757																										
UNFUNDED																											
	\$ 1,500,000																										
PROJECT TOTAL																											
	\$ 3,638,757																										
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION Positive impact on the Operating Budget by reducing probability of damage to facilities, equipment, materials, work products, and records that would accompany stormwater invasion.						STRIP MAP Various locations.																		
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																			
Design																											
Land/Right-of-Way																											
Construction	1,136	1,003	500	400	300	300		3,639																			
Landscaping																											
Equip. & Furnish.																											
Other																											
TOTAL COSTS	1,136	1,003	500	400	300	300		3,639																			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																			
Current Funds	200							200																			
GO's/Com Paper Issued																											
GO's Unissued																											
RB's/Com Paper																											
Certificates of Obligation	1,463	476						1,939																			
Other																											
Unfunded			500	400	300	300		1,500																			
TOTAL SOURCES	1,663	476	500	400	300	300		3,639																			
									PROJECT SCHEDULE	START	FINISH																
									Design																		
									Land/Right-of-Way																		
									Construction																		
									Finish Out																		
									Other																		
TOTAL SCHEDULE									(Ongoing		Project)																

PAGE NO: MF03		Continuing Project						CITY OF GARLAND - 2018 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 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.										FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,172,091 Current Funds 313,886 2018 Certificates of Oblig. 201,000 TOTAL FUNDED \$ 1,686,977 UNFUNDED \$ 1,600,000 PROJECT TOTAL \$ 3,286,977					
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION Positive impact on the Operating Budget will result from reduced, unplanned maintenance and repair work.						STRIP MAP Various locations.					
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Design															
Land/Right-of-Way															
Construction		1,287	400	400	400	400	400		3,287						
Landscaping															
Equip. & Furnish.															
Other															
TOTAL COSTS		1,287	400	400	400	400	400		3,287						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds		314							314						
GO's/Com Paper Issued															
GO's Unissued															
RB's/Com Paper															
Certificates of Obligation		1,172	201						1,373						
Other															
Unfunded				400	400	400	400		1,600						
TOTAL SOURCES		1,486	201	400	400	400	400		3,287						
										PROJECT SCHEDULE		START		FINISH	
										Design					
										Land/Right-of-Way					
										Construction					
										Finish Out					
										Other					
										TOTAL SCHEDULE		(Ongoing		Project)	

PAGE NO: MF04		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) All																						
DEPARTMENT FACILITIES MANAGEMENT				PROJECT TITLE FIRE ALARM, SAFETY AND SECURITY SYSTEMS				PROJECT NO(S). 16057		ACCOUNT NO(S). 692-4749-1605700																						
PROJECT DESCRIPTION Provides funding for design and installation of fire alarm, fire safety, fire suppression, and security systems in City-owned structures, facilities, and buildings with primary emphasis on high citizen-use areas.										FUNDING SOURCE(S) <table> <tr> <td>Current Funds</td> <td>\$</td> <td>46,173</td> </tr> <tr> <td>Interest</td> <td></td> <td>50,000</td> </tr> <tr> <td>Certificates of Oblig. Issued</td> <td></td> <td>273,000</td> </tr> <tr> <td>2018 Certificates of Oblig.</td> <td></td> <td>52,000</td> </tr> <tr> <td colspan="2">TOTAL FUNDED</td> <td>\$ 421,173</td> </tr> <tr> <td colspan="2">UNFUNDED</td> <td>\$ 800,000</td> </tr> <tr> <td colspan="2">PROJECT TOTAL</td> <td>\$ 1,221,173</td> </tr> </table>		Current Funds	\$	46,173	Interest		50,000	Certificates of Oblig. Issued		273,000	2018 Certificates of Oblig.		52,000	TOTAL FUNDED		\$ 421,173	UNFUNDED		\$ 800,000	PROJECT TOTAL		\$ 1,221,173
Current Funds	\$	46,173																														
Interest		50,000																														
Certificates of Oblig. Issued		273,000																														
2018 Certificates of Oblig.		52,000																														
TOTAL FUNDED		\$ 421,173																														
UNFUNDED		\$ 800,000																														
PROJECT TOTAL		\$ 1,221,173																														
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION The Operating Budget will increase in response to added need to fund annual inspection, monitoring, and maintenance programs.																												
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																							
Design																																
Land/Right-of-Way																																
Construction		221	200	200	200	200	200		1,221																							
Landscaping																																
Equip. & Furnish.																																
Other																																
TOTAL COSTS		221	200	200	200	200	200		1,221																							
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																							
Current Funds		46							46																							
GO's/Com Paper Issued																																
GO's Unissued																																
RB's/Com Paper																																
Certificates of Obligation		273	52						325																							
Other (Interest)		50							50																							
Unfunded				200	200	200	200		800																							
TOTAL SOURCES		369	52	200	200	200	200		1,221																							
										PROJECT SCHEDULE	START	FINISH																				
										Design																						
										Land/Right-of-Way																						
										Construction																						
										Finish Out																						
										Other																						
										TOTAL SCHEDULE	(Ongoing	Project)																				

STRIP MAP

Various locations.

PAGE NO: MF05		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT FACILITIES MANAGEMENT				PROJECT TITLE PARKING LOT UPGRADES					PROJECT NO(S). 16062		ACCOUNT NO(S). 692-4749-16062XX	
PROJECT DESCRIPTION Continuation of an annual program to restore and maintain all City facilities parking lots in conditions necessary to support the needs of City employees, citizens, and visitors.									FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,000,814			
									TOTAL FUNDED UNFUNDED PROJECT TOTAL			\$ 1,000,814 \$ 462,000 \$ 1,462,814
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION					STRIP MAP Various locations.			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total
Design												
Land/Right-of-Way												
Construction		213	250	250	250	250	250					1,463
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		213	250	250	250	250	250		1,463			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		1,001							1,001			
Other												
Unfunded						212	250		462			
TOTAL SOURCES		1,001				212	250		1,463			
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: MF06	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*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, ADA and life safety upgrades, as well as exterior painting of three of the Carver buildings. Additional funding is needed to address landscaping, lighting, security, and signage around the entire complex.								FUNDING SOURCE(S)																																																																																
								Certificates of Oblig. Issued \$ 2,725,000 2018 Certificates of Oblig. 638,000																																																																																
								TOTAL FUNDED \$ 3,363,000																																																																																
								UNFUNDED \$																																																																																
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		IMPACT EXPLANATION						STRIP MAP																																																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">*PROJECT COSTS</th> <th style="width:10%;">Thru 12-2017</th> <th style="width:10%;">2018</th> <th style="width:10%;">2019</th> <th style="width:10%;">2020</th> <th style="width:10%;">2021</th> <th style="width:10%;">2022</th> <th style="width:10%;">2023 to Completion</th> <th style="width:10%;">Total</th> </tr> <tr> <td>Design</td> <td style="text-align: center;">87</td> <td style="text-align: center;">180</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">267</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 style="text-align: center;">195</td> <td style="text-align: center;">2,835</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">3,030</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 (Project Manager)</td> <td style="text-align: center;">18</td> <td style="text-align: center;">48</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">66</td> </tr> <tr> <td>TOTAL COSTS</td> <td style="text-align: center;">300</td> <td style="text-align: center;">3,063</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">3,363</td> </tr> </table>										*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Design	87	180						267	Land/Right-of-Way									Construction	195	2,835						3,030	Landscaping									Equip. & Furnish.									Other (Project Manager)	18	48						66	TOTAL COSTS	300	3,063						3,363							
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total																																																																														
Design	87	180								267																																																																														
Land/Right-of-Way																																																																																								
Construction	195	2,835						3,030																																																																																
Landscaping																																																																																								
Equip. & Furnish.																																																																																								
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">*SOURCE OF FUNDS</th> <th style="width:10%;">Thru 12-2017</th> <th style="width:10%;">2018</th> <th style="width:10%;">2019</th> <th style="width:10%;">2020</th> <th style="width:10%;">2021</th> <th style="width:10%;">2022</th> <th style="width:10%;">2023 to Completion</th> <th style="width:10%;">Total</th> </tr> <tr> <td>Current Funds</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> </tr> <tr> <td>GO's Unissued</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></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Certificates of Obligation</td> <td style="text-align: center;">2,725</td> <td style="text-align: center;">638</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">3,363</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>Unfunded</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TOTAL SOURCES</td> <td style="text-align: center;">2,725</td> <td style="text-align: center;">638</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">3,363</td> </tr> </table>								*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Current Funds									GO's/Com Paper Issued									GO's Unissued									RB's/Com Paper									Certificates of Obligation	2,725	638						3,363	Other									Unfunded									TOTAL SOURCES	2,725	638						3,363
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																
Current Funds																																																																																								
GO's/Com Paper Issued																																																																																								
GO's Unissued																																																																																								
RB's/Com Paper																																																																																								
Certificates of Obligation	2,725	638						3,363																																																																																
Other																																																																																								
Unfunded																																																																																								
TOTAL SOURCES	2,725	638						3,363																																																																																
								PROJECT SCHEDULE	START	FINISH																																																																														
								Design	10/2013	6/2018																																																																														
								Land/Right-of-Way																																																																																
								Construction	3/2017	12/2018																																																																														
								Finish Out																																																																																
								Other																																																																																
TOTAL SCHEDULE								10/2013	12/2018																																																																															

PAGE NO: MF07		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) All			
DEPARTMENT FACILITIES MANAGEMENT			PROJECT TITLE CITY HALL CODE/SAFETY UPDATES					PROJECT NO(S). 16104		ACCOUNT NO(S). 692-4749-1610400			
PROJECT DESCRIPTION This project will provide funding to make fire/life/safety updates to the interior of City Hall in accordance with the Building Code and Texas Accessibility Standards (TAS). Updates will include the provision of accessible restrooms throughout the facility, a publicly-accessible elevator, as well as installation of a fire suppression/sprinkler system.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,910,000					
								TOTAL FUNDED \$ 1,910,000					
								UNFUNDED \$					
								PROJECT TOTAL \$ 1,910,000					
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION					STRIP MAP					
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Design		127											127
Land/Right-of-Way													
Construction		1,491	1										1,492
Landscaping													
Equip. & Furnish.		30	0										30
Other		70	191										261
TOTAL COSTS		1,718	192										1,910
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation		1,910							1,910				
Other													
Unfunded													
TOTAL SOURCES		1,910							1,910				
										PROJECT SCHEDULE	START	FINISH	
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
										TOTAL SCHEDULE	1/2013	2/2018	

PAGE NO: MF08		New Project						CITY OF GARLAND - 2018 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.										FUNDING SOURCE(S) CDBG Funds \$ 433,236 2018 Certificates of Oblig. 181,000 TOTAL FUNDED \$ 614,236 UNFUNDED \$ PROJECT TOTAL \$ 614,236					
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION											
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Design			54	14					68						
Land/Right-of-Way															
Construction			172	291					463						
Landscaping															
Equip. & Furnish.															
Other (Project Manager)			55	28					83						
TOTAL COSTS			281	333					614						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued															
GO's Unissued															
RB's/Com Paper															
Certificates of Obligation			181						181						
Other CDBG Funds		433							433						
Unfunded															
TOTAL SOURCES		433	181						614						
										STRIP MAP					
										PROJECT SCHEDULE		START		FINISH	
										Design		3/2018		8/2018	
										Land/Right-of-Way					
										Construction		10/2018		4/2019	
										Finish Out					
										Other					
TOTAL SCHEDULE										3/2018		4/2019			

PAGE NO: MF09		Continuing Project						CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST		*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT FIREWHEEL GOLF PARK			PROJECT TITLE FIREWHEEL GOLF PARK EQUIPMENT						PROJECT NO(S). 36529		ACCOUNT NO(S). 256-4419-3652918		
PROJECT DESCRIPTION To provide funds for the purchase of four (4) used heavy-duty utility vehicles, three (3) of which would be for maintenance of the Golf Courses and one (1) for the Golf Shop staff for tournament setup and cleanup.										FUNDING SOURCE(S) 2018 Certificates of Oblig. \$ 59,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations 2,600 Capital Total <u>\$2,600</u>			IMPACT EXPLANATION We believe this would add approximately \$2,600 in fuel consumption.							TOTAL FUNDED \$ 59,000 UNFUNDED \$ 90,000 PROJECT TOTAL \$ 149,000			
STRIP MAP													
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design													
Land/Right-of-Way													
Construction													
Landscaping													
Equip. & Furnish.			59				90		149				
Other													
TOTAL COSTS			59				90		149				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation			59						59				
Other													
Unfunded							90		90				
TOTAL SOURCES			59				90		149				
										PROJECT SCHEDULE	START	FINISH	
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
										TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: MF10		<i>Continuing Project</i>		CITY OF GARLAND - 2018 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 This project provides funding for Golf Park improvements. The continued renovation of bunkers at the Old Course is scheduled for 2018.									FUNDING SOURCE(S)							
									Certificates of Oblig. Issued		\$	903,991				
									Current Funds			122,246				
									Interest			100,000				
Reimbursement			204,213													
TOTAL FUNDED		\$	1,330,450													
UNFUNDED		\$	700,000													
PROJECT TOTAL		\$	2,030,450													
IMPACT ON OPERATING BUDGET									IMPACT EXPLANATION							
☒ Will Impact		Annual Cost/(Savings):		Enhanced playing conditions will positively impact ability to generate revenue and allow for modifications that will reduce maintenance requirements.												
☐ Will Not Impact		Personnel Operations														
# of Positions _____		Capital _____														
		Total _____														
*PROJECT COSTS									Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total
Design																
Land/Right-of-Way																
Construction									1,022	308	250	150	150	150	2,030	
Landscaping																
Equip. & Furnish.																
Other																
TOTAL COSTS									1,022	308	250	150	150	150	2,030	
*SOURCE OF FUNDS									Thru 12-2017	2018	2019	2020	2021	2022	2023 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.)									130	174					304	
Unfunded											250	150	150	150	700	
TOTAL SOURCES									1,156	174	250	150	150	150	2,030	
									PROJECT SCHEDULE			START		FINISH		
Design																
Land/Right-of-Way																
Construction									2/2011		12/2022					
Finish Out																
Other																
TOTAL SCHEDULE									2/2011		12/2022					

PAGE NO: MF11	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT FIREWHEEL GOLF PARK			PROJECT TITLE FIREWHEEL GOLF PARK CART REPLACEMENTS					PROJECT NO(S). 36531	ACCOUNT NO(S). 256-4419-3653118			
PROJECT DESCRIPTION Firewheel has traditionally replaced golf carts every three years in order to ensure a high level of cart service to our guests. Firewheel is proposing to replace golf carts every five years starting in 2018. The 2018 schedule includes replacing the 100 golf carts at the Bridges Golf Course in 2018 and adding an additional 10 electric golf carts and 10 gas-powered maintenance carts. The 120 golf carts at the Old/Lakes Golf Courses are scheduled to be replaced in 2019.									FUNDING SOURCE(S) 2018 Certificates of Oblig. \$ 638,000			
									TOTAL FUNDED \$ 638,000			
									UNFUNDED \$ 1,306,000			
									PROJECT TOTAL \$ 1,944,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION New carts are projected to reduce maintenance costs and enhance the golfing experience. The new carts will have no maintenance lithium batteries with a 5-year warranty. This will allow labor to be used where it is needed instead of maintaining water levels in all of the 120 golf carts.						STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total	
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.			638	531				775			1,944	
Other												
TOTAL COSTS			638	531				775			1,944	
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total	
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation			638						638			
Other												
Unfunded				531				775	1,306			
TOTAL SOURCES			638	531				775	1,944			
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: MF12	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT PUBLIC AND MEDIA AFFAIRS			PROJECT TITLE CGTV - UPGRADES					PROJECT NO(S). 16082	ACCOUNT NO(S). 103-1178-1608200			
PROJECT DESCRIPTION Provide equipment upgrades for CGTV production and broadcast equipment; additional upgrades for the CGTV control room; production camera and peripheral equipment; field production light kits; and a new teleprompter. This project will utilize funding collected through the Public, Educational, and Government (PEG) access fees to improve the operations of CGTV.										FUNDING SOURCE(S) PEG Fee \$ 2,516,944 TOTAL FUNDED \$ 2,516,944 UNFUNDED \$ PROJECT TOTAL \$ 2,516,944		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION							STRIP MAP		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		130							130			
Land/Right-of-Way												
Construction		1,016							1,016			
Landscaping												
Equip. & Furnish.		1,211	104						1,315			
Other		56							56			
TOTAL COSTS		2,413	104						2,517			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation												
Other (PEG Fee)		2,413	104						2,517			
Unfunded												
TOTAL SOURCES		2,413	104						2,517			
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: MF13	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A		
DEPARTMENT STREET		PROJECT TITLE INFRASTRUCTURE EQUIPMENT						PROJECT NO(S). 39811	ACCOUNT NO(S). 692-4699-3981100		
PROJECT DESCRIPTION Provides funds for the regular replacement of equipment required to maintain and improve City bridges, intersections, and streets. In 2018, one water truck (\$175,000) and three wheel loaders (\$795,000) are requested for replacement. The water truck is 15 years old and the wheel loaders are 15, 15, and 18 years old, respectively. They have experienced significant wear and tear and are in need of significant repairs.								FUNDING SOURCE(S)			
								Certificates of Oblig. Issued \$ 1,410,000 2018 Certificates of Oblig. 970,000			
								TOTAL FUNDED \$ 2,380,000			
								UNFUNDED \$ 2,000,000			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		IMPACT EXPLANATION						STRIP MAP			
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design											
Land/Right-of-Way											
Construction											
Landscaping											
Equip. & Furnish.	1,410	970	500	500	500	500		4,380			
Other											
TOTAL COSTS	1,410	970	500	500	500	500		4,380			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	1,410	970						2,380			
Other											
Unfunded			500	500	500	500		2,000			
TOTAL SOURCES	1,410	970	500	500	500	500		4,380			
									PROJECT SCHEDULE	START	FINISH
									Design		
									Land/Right-of-Way		
									Construction		
									Finish Out		
									Other		
TOTAL SCHEDULE									(Ongoing	Project)	

**MISCELLANEOUS REVENUE SUPPORTED AND
INTERNAL SERVICE DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
APPROVED PROJECTS**

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>EWS Group - Delivery</u>											
21070	95-Gal. Recycling Containers - Phases 5 thru 6	M01	CO	\$1,106	\$591	\$0	\$0	\$0	\$0	\$0	\$1,697
21068	Replacement of Side-Load Residential Trucks	M02	CO/INT/UNF	3,571	627	1,646	1,037	1,814	1,524	0	10,219
21069	Replacement of Recycling Trucks	M03	CO/UNF	891	627	329	1,037	363	381	0	3,628
21071	Replacement of Rear-Load Brush Trucks	M04	CF/CO/UNF	1,521	0	0	0	0	659	0	2,180
21073	Replcmt. of Brush Tractor Trucks & Trailers	M05	CO/UNF	1,018	255	134	70	0	222	0	1,699
21075	Replcmt. of Commercial Front-Load Trucks	M06	CO/UNF	600	620	325	0	718	0	0	2,263
21078	Replacement of Knuckle Boom Trucks	M07	CO/UNF	406	375	197	413	217	456	0	2,064
21081	Replcmt. of Commercial Roll-Off Trucks	M08	CO/UNF	202	0	0	0	233	245	0	680
21085	Replacement of Front-Load Container Carrier	M09	CO	73	112	0	0	0	0	0	185
21086	* Replacement of Bobcat Skid Loader	M10	CO/UNF	0	53	0	0	62	0	0	115
21087	* Restoration of Paint Booth	M11	CO	0	130	0	0	0	0	0	130
21088	* New Side-Load Residential Truck	M12	CO/UNF	0	313	0	0	0	0	401	714
21089	* New Brush Tractor Trucks/Trailers	M13	CO	0	310	0	0	0	0	0	310
<u>Fleet Services</u>											
19030	Fuel System Upgrade	M14	CO/UNF	114	388	0	0	0	0	0	502
19033	Fleet Services Facility Renovation	M15	CO	1,551	109	0	0	0	0	0	1,660
19034	* Fleet Services Exterior Restoration	M16	CO	0	200	0	0	0	0	0	200
<u>Management Information Services</u>											
23045	Extend Fiber Optic Cable	M17	CO	590	100	0	0	0	0	0	690
23019	Network and Cabling Upgrades	M18	CF/CO/INT/UNF	870	300	175	175	150	0	0	1,670
23048	Telephone System Replacement	M19	CO/UNF	100	413	413	413	313	0	0	1,652
<u>Stormwater Management</u>											
39819	Stormwater Maintenance Equipment	M20	CO/UNF	1,277	1,131	500	500	500	500	0	4,408
Total				<u>\$13,890</u>	<u>\$6,654</u>	<u>\$3,719</u>	<u>\$3,645</u>	<u>\$4,370</u>	<u>\$3,987</u>	<u>\$401</u>	<u>\$36,666</u>
Total Existing CO's, Interest, and Other Sources				\$13,890	\$1,720	\$30	\$0	\$0	\$0	\$0	\$15,640
2018 Certificate of Obligation				0	4,934	0	0	0	0	0	4,934
Unfunded				0	0	3,689	3,645	4,370	3,987	401	16,092
Total				<u>\$13,890</u>	<u>\$6,654</u>	<u>\$3,719</u>	<u>\$3,645</u>	<u>\$4,370</u>	<u>\$3,987</u>	<u>\$401</u>	<u>\$36,666</u>

*Project funded for the first time

**MISCELLANEOUS REVENUE SUPPORTED AND
INTERNAL SERVICE DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS**

PROJ. NO.	Project Description	Page	Project Status	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>EWS Group - Delivery</u>										
21068	Replacement of Side-Load Residential Trucks	M02	Appr.	\$627	\$1,646	\$1,037	\$1,814	\$1,524	\$0	\$6,648
21069	Replacement of Recycling Trucks	M03	Appr.	627	329	1,037	363	381	0	2,737
21071	Replacement of Rear-Load Brush Trucks	M04	Appr.	0	0	0	0	659	0	659
21073	Replcmt. of Brush Tractor Trucks & Trailers	M05	Appr.	255	134	70	0	222	0	681
21075	Replcmt. of Commercial Front-Load Trucks	M06	Appr.	620	325	0	718	0	0	1,663
21078	Replacement of Knuckle Boom Trucks	M07	Appr.	375	197	413	217	456	0	1,658
21081	Replcmt. of Commercial Roll-Off Truck	M08	Appr.	0	0	0	233	245	0	478
21085	Replacement of Front-Load Container Carrier	M09	Appr.	112	0	0	0	0	0	112
21086	* Replacement of Bobcat Skid Loader	M10	Appr.	53	0	0	62	0	0	115
21087	* Restoration of Paint Booth	M11	Appr.	61	0	0	0	0	0	61
21088	* New Side-Load Residential Truck	M12	Appr.	313	0	0	0	0	401	714
21089	* New Brush Tractor Trucks/Trailers	M13	Appr.	310	0	0	0	0	0	310
<u>Fleet Services</u>										
19030	Fuel System Upgrade	M14	Appr.	150	0	0	0	0	0	150
19034	* Fleet Services Exterior Restoration	M16	Appr.	200	0	0	0	0	0	200
<u>Management Information Services</u>										
23019	Network and Cabling Upgrades	M18	Appr.	0	145	175	150	0	0	470
23048	Telephone System Replacement	M19	Appr.	100	413	413	313	0	0	1,239
<u>Stormwater Management</u>										
39819	Stormwater Maintenance Equipment	M20	Appr.	1,131	500	500	500	500	0	3,131
Total				<u>\$4,934</u>	<u>\$3,689</u>	<u>\$3,645</u>	<u>\$4,370</u>	<u>\$3,987</u>	<u>\$401</u>	<u>\$21,026</u>
Total Approved				\$4,934	\$3,689	\$3,645	\$4,370	\$3,987	\$401	\$21,026
Total Unapproved				0	0	0	0	0	0	0
Total				<u>\$4,934</u>	<u>\$3,689</u>	<u>\$3,645</u>	<u>\$4,370</u>	<u>\$3,987</u>	<u>\$401</u>	<u>\$21,026</u>

*Projects funded for the first time

PAGE NO: M01	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) All			
DEPARTMENT EWS GROUP - DELIVERY			PROJECT TITLE 95-GAL. RECYC. CONTAINERS - PHASES 5 THRU 6						PROJECT NO(S). 21070		ACCOUNT NO(S). 246-4319-2107000 246-4319-2107018	
PROJECT DESCRIPTION In 2012, the EWS - Delivery Department implemented a Single Stream Recycling Program. This program allows residents to recycle a wider range of commodities. Under this program, residents are given a 95-gallon recycling container to replace the 18-gallon recycling bin previously used. Five of the six phases of the Automated Collection Single Stream Recycling Program have been implemented. The sixth and final implementation phase is scheduled to be completed by February 2018.									FUNDING SOURCE(S)			
									Certificates of Oblig. Issued \$ 1,627,870 Recycling Partnership Grant 69,300			
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION						TOTAL FUNDED \$ 1,697,170			
☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____									UNFUNDED \$ _____			
									PROJECT TOTAL \$ 1,697,170			
									STRIP MAP			
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.	1,106	591						1,697				
Other												
TOTAL COSTS	1,106	591						1,697				
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds												
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH	
GO's Unissued									Design			
RB's/Com Paper									Land/Right-of-Way			
Certificates of Obligation	1,628							1,628	Construction			
Other (Grant)		69						69	Finish Out			
Unfunded									Other			
TOTAL SOURCES	1,628	69						1,697	TOTAL SCHEDULE	8/2016	2/2018	

PAGE NO: M02	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) All																																																																																																																																																									
DEPARTMENT EWS GROUP - DELIVERY			PROJECT TITLE REPLACEMENT OF SIDE-LOAD RESID. TRUCKS					PROJECT NO(S). 21068	ACCOUNT NO(S). 246-4319-2106800																																																																																																																																																										
PROJECT DESCRIPTION Funding is requested for the replacement of two Side-Load Refuse Trucks from 2011 and 2012 (#430-0042 and #430-0138). These trucks have exceeded their useful lives and are incurring excessive maintenance costs. Environmental Waste Services equipment is evaluated by the Fleet Services Department, and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.									FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 3,491,162 Interest 80,000 2018 Certificates of Oblig. 627,000																																																																																																																																																										
									TOTAL FUNDED \$ 4,198,162 UNFUNDED \$ 6,021,000 PROJECT TOTAL \$ 10,219,162																																																																																																																																																										
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION New trucks will lower maintenance costs.						STRIP MAP																																																																																																																																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">*PROJECT COSTS</th> <th style="width:10%;">Thru 12-2017</th> <th style="width:10%;">2018</th> <th style="width:10%;">2019</th> <th style="width:10%;">2020</th> <th style="width:10%;">2021</th> <th style="width:10%;">2022</th> <th style="width:10%;">2023 to Completion</th> <th style="width:10%;">Total</th> </tr> <tr><td>Design</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Land/Right-of-Way</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Construction</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Landscaping</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Equip. & Furnish.</td><td>3,571</td><td>627</td><td>1,646</td><td>1,037</td><td>1,814</td><td>1,524</td><td></td><td>10,219</td></tr> <tr><td>Other</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>TOTAL COSTS</td><td>3,571</td><td>627</td><td>1,646</td><td>1,037</td><td>1,814</td><td>1,524</td><td></td><td>10,219</td></tr> </table>			*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021			2022	2023 to Completion	Total	Design									Land/Right-of-Way									Construction									Landscaping									Equip. & Furnish.	3,571	627	1,646	1,037	1,814	1,524		10,219	Other									TOTAL COSTS	3,571	627	1,646	1,037	1,814	1,524		10,219	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">*SOURCE OF FUNDS</th> <th style="width:10%;">Thru 12-2017</th> <th style="width:10%;">2018</th> <th style="width:10%;">2019</th> <th style="width:10%;">2020</th> <th style="width:10%;">2021</th> <th style="width:10%;">2022</th> <th style="width:10%;">2023 to Completion</th> <th style="width:10%;">Total</th> </tr> <tr><td>Current Funds</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></tr> <tr><td>GO's Unissued</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></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Certificates of Obligation</td><td>3,491</td><td>627</td><td></td><td></td><td></td><td></td><td></td><td>4,118</td></tr> <tr><td>Other (Interest)</td><td>80</td><td></td><td></td><td></td><td></td><td></td><td></td><td>80</td></tr> <tr><td>Unfunded</td><td></td><td></td><td>1,646</td><td>1,037</td><td>1,814</td><td>1,524</td><td></td><td>6,021</td></tr> <tr><td>TOTAL SOURCES</td><td>3,571</td><td>627</td><td>1,646</td><td>1,037</td><td>1,814</td><td>1,524</td><td></td><td>10,219</td></tr> </table>						*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Current Funds									GO's/Com Paper Issued									GO's Unissued									RB's/Com Paper									Certificates of Obligation	3,491	627						4,118	Other (Interest)	80							80	Unfunded			1,646	1,037	1,814	1,524		6,021	TOTAL SOURCES	3,571	627	1,646	1,037	1,814	1,524		10,219
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																																																																																											
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PAGE NO: M03	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All																																																																															
DEPARTMENT EWS GROUP - DELIVERY		PROJECT TITLE REPLACEMENT OF RECYCLING TRUCKS						PROJECT NO(S). 21069	ACCOUNT NO(S). 246-4319-2106900																																																																															
PROJECT DESCRIPTION Funding is requested for the replacement of two 2011 model Side-Load Recycling Collection Trucks (#430-0039 and #430-0043). These trucks have exceeded their useful lives and are incurring excessive maintenance costs. Environmental Waste Services equipment is evaluated by the Fleet Services Department, and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 891,000 2018 Certificates of Oblig. 627,000 TOTAL FUNDED <u>\$ 1,518,000</u> UNFUNDED <u>\$ 2,110,000</u> PROJECT TOTAL <u><u>\$ 3,628,000</u></u>																																																																																
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION New trucks will lower maintenance costs.					STRIP MAP																																																																																
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*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total																																																																														
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">*SOURCE OF FUNDS</th> <th style="width:10%;">Thru 12-2017</th> <th style="width:10%;">2018</th> <th style="width:10%;">2019</th> <th style="width:10%;">2020</th> <th style="width:10%;">2021</th> <th style="width:10%;">2022</th> <th style="width:10%;">2023 to Completion</th> <th style="width:10%;">Total</th> </tr> <tr><td>Current Funds</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></tr> <tr><td>GO's Unissued</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></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Certificates of Obligation</td><td style="text-align: right;">891</td><td style="text-align: right;">627</td><td></td><td></td><td></td><td></td><td></td><td style="text-align: right;">1,518</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>Unfunded</td> <td></td> <td></td> <td style="text-align: right;">329</td> <td style="text-align: right;">1,037</td> <td style="text-align: right;">363</td> <td style="text-align: right;">381</td> <td></td> <td style="text-align: right;">2,110</td> </tr> <tr> <td>TOTAL SOURCES</td> <td style="text-align: right;">891</td> <td style="text-align: right;">627</td> <td style="text-align: right;">329</td> <td style="text-align: right;">1,037</td> <td style="text-align: right;">363</td> <td style="text-align: right;">381</td> <td></td> <td style="text-align: right;">3,628</td> </tr> </table>								*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Current Funds									GO's/Com Paper Issued									GO's Unissued									RB's/Com Paper									Certificates of Obligation	891	627						1,518	Other									Unfunded			329	1,037	363	381		2,110	TOTAL SOURCES	891	627	329	1,037	363	381		3,628
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																
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								Finish Out																																																																																
								Other																																																																																
								TOTAL SCHEDULE	(Ongoing	Project)																																																																														

PAGE NO: M04	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All													
DEPARTMENT EWS GROUP - DELIVERY			PROJECT TITLE REPLACEMENT OF REAR-LOAD BRUSH TRUCKS					PROJECT NO(S). 21071	ACCOUNT NO(S). 246-4319-2107100													
PROJECT DESCRIPTION Future funding is requested for the replacement of two Rear-Load Brush & Bulky Goods Collection Trucks in 2022. These trucks will have exceeded their useful lives and be incurring excessive maintenance costs. 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.																						
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION New trucks will lower maintenance costs.						FUNDING SOURCE(S) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Certificates of Oblig. Issued</td> <td style="width: 20%; text-align: right;">\$ 1,321,000</td> </tr> <tr> <td>Current Funds</td> <td style="text-align: right;">200,000</td> </tr> <tr> <td colspan="2" style="padding-top: 20px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">TOTAL FUNDED</td> <td style="width: 20%; text-align: right; border-top: 1px solid black;">\$ 1,521,000</td> </tr> <tr> <td>UNFUNDED</td> <td style="text-align: right; border-top: 1px solid black;">\$ 659,000</td> </tr> <tr> <td>PROJECT TOTAL</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">\$ 2,180,000</td> </tr> </table> </td> </tr> </table>		Certificates of Oblig. Issued	\$ 1,321,000	Current Funds	200,000	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">TOTAL FUNDED</td> <td style="width: 20%; text-align: right; border-top: 1px solid black;">\$ 1,521,000</td> </tr> <tr> <td>UNFUNDED</td> <td style="text-align: right; border-top: 1px solid black;">\$ 659,000</td> </tr> <tr> <td>PROJECT TOTAL</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">\$ 2,180,000</td> </tr> </table>		TOTAL FUNDED	\$ 1,521,000	UNFUNDED	\$ 659,000	PROJECT TOTAL	\$ 2,180,000
Certificates of Oblig. Issued	\$ 1,321,000																					
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TOTAL FUNDED	\$ 1,521,000																					
UNFUNDED	\$ 659,000																					
PROJECT TOTAL	\$ 2,180,000																					
STRIP MAP																						
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total														
Design																						
Land/Right-of-Way																						
Construction																						
Landscaping																						
Equip. & Furnish.	1,521					659		2,180														
Other																						
TOTAL COSTS	1,521					659		2,180														
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total														
Current Funds	200							200														
GO's/Com Paper Issued																						
GO's Unissued																						
RB's/Com Paper																						
Certificates of Obligation	1,321							1,321														
Other																						
Unfunded						659		659														
TOTAL SOURCES	1,521					659		2,180														
									PROJECT SCHEDULE	START	FINISH											
									Design													
									Land/Right-of-Way													
									Construction													
									Finish Out													
									Other													
									TOTAL SCHEDULE	(Ongoing	Project)											

PAGE NO: M05		Continuing Project						*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 Funding is requested for the replacement of two 1998 and two 2002 model Brush Trailers (#430-193, #430-194, #430-195, and #430-261). This equipment has exceeded its useful life and is incurring excessive maintenance costs. Environmental Waste Services equipment is evaluated by the Fleet Services Department, and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,018,000 2018 Certificates of Oblig. 255,000			
								IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions Capital Total IMPACT EXPLANATION New equipment will lower maintenance costs.			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design											
Land/Right-of-Way											
Construction											
Landscaping											
Equip. & Furnish.		1,018	255	134	70		222		1,699		
Other											
TOTAL COSTS		1,018	255	134	70		222		1,699		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		1,018	255						1,273		
Other											
Unfunded				134	70		222		426		
TOTAL SOURCES		1,018	255	134	70		222		1,699		
									STRIP MAP		
									PROJECT SCHEDULE	START	FINISH
									Design		
									Land/Right-of-Way		
									Construction		
									Finish Out		
									Other		
TOTAL SCHEDULE									(Ongoing	Project)	

PAGE NO: M06	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A																																																																																																																																																									
DEPARTMENT EWS GROUP - DELIVERY		PROJECT TITLE REPLCMT. OF COMMERCIAL FRONT-LOAD TRUCKS						PROJECT NO(S). 21075	ACCOUNT NO(S). 246-4319-2107500																																																																																																																																																									
PROJECT DESCRIPTION Funding is requested for the replacement of two 2011 and 2013 model Commercial Services Front-Load Trucks (#430-0038 and #430-0175.) Environmental Waste Services equipment is evaluated by the Fleet Services Department, and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 600,000 2018 Certificates of Oblig. 620,000 TOTAL FUNDED \$ 1,220,000 UNFUNDED \$ 1,043,000 PROJECT TOTAL \$ 2,263,000																																																																																																																																																										
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION New equipment will lower maintenance costs.					STRIP MAP																																																																																																																																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">*PROJECT COSTS</th> <th style="width:10%;">Thru 12-2017</th> <th style="width:10%;">2018</th> <th style="width:10%;">2019</th> <th style="width:10%;">2020</th> <th style="width:10%;">2021</th> <th style="width:10%;">2022</th> <th style="width:10%;">2023 to Completion</th> <th style="width:10%;">Total</th> </tr> <tr><td>Design</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Land/Right-of-Way</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Construction</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Landscaping</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Equip. & Furnish.</td><td>600</td><td>620</td><td>325</td><td></td><td>718</td><td></td><td></td><td>2,263</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>600</td><td>620</td><td>325</td><td></td><td>718</td><td></td><td></td><td>2,263</td></tr> <tr> <th>*SOURCE OF FUNDS</th> <th>Thru 12-2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023 to Completion</th> <th>Total</th> </tr> <tr><td>Current Funds</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></tr> <tr><td>GO's Unissued</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></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Certificates of Obligation</td><td>600</td><td>620</td><td></td><td></td><td></td><td></td><td></td><td>1,220</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>Unfunded</td><td></td><td></td><td>325</td><td></td><td>718</td><td></td><td></td><td>1,043</td></tr> <tr><td>TOTAL SOURCES</td><td>600</td><td>620</td><td>325</td><td></td><td>718</td><td></td><td></td><td>2,263</td></tr> </table>										*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Design									Land/Right-of-Way									Construction									Landscaping									Equip. & Furnish.	600	620	325		718			2,263	Other									TOTAL COSTS	600	620	325		718			2,263	*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Current Funds									GO's/Com Paper Issued									GO's Unissued									RB's/Com Paper									Certificates of Obligation	600	620						1,220	Other									Unfunded			325		718			1,043	TOTAL SOURCES	600	620	325		718			2,263
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total																																																																																																																																																								
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Equip. & Furnish.	600	620	325		718			2,263																																																																																																																																																										
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Unfunded			325		718			1,043																																																																																																																																																										
TOTAL SOURCES	600	620	325		718			2,263																																																																																																																																																										
								PROJECT SCHEDULE	START	FINISH																																																																																																																																																								
								Design																																																																																																																																																										
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								Other																																																																																																																																																										
								TOTAL SCHEDULE	(Ongoing	Project)																																																																																																																																																								

PAGE NO: M07	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) All	
DEPARTMENT EWS GROUP - DELIVERY			PROJECT TITLE REPLACEMENT OF KNUCKLE BOOM TRUCKS					PROJECT NO(S). 21078	ACCOUNT NO(S). 246-4319-2107800		
PROJECT DESCRIPTION Funding is requested for the replacement of two 2013 model Knuckle Boom Trucks (#430-0177 and #430-0176). These pieces of equipment are requiring significant maintenance costs in order to remain operational. Environmental Waste Services equipment is evaluated by the Fleet Services Department, and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.									FUNDING SOURCE(S)		
									Certificates of Oblig. Issued \$ 406,000 2018 Certificates of Oblig. 375,000		
									TOTAL FUNDED \$ 781,000 UNFUNDED \$ 1,283,000 PROJECT TOTAL \$ 2,064,000		
									STRIP MAP		
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations Capital Total			IMPACT EXPLANATION New equipment will lower maintenance costs.								
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design											
Land/Right-of-Way											
Construction											
Landscaping											
Equip. & Furnish.	406	375	197	413	217	456		2,064			
Other											
TOTAL COSTS	406	375	197	413	217	456		2,064			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	406	375						781			
Other											
Unfunded			197	413	217	456		1,283			
TOTAL SOURCES	406	375	197	413	217	456		2,064			
									PROJECT SCHEDULE	START	FINISH
									Design		
									Land/Right-of-Way		
									Construction		
									Finish Out		
									Other		
TOTAL SCHEDULE									(Ongoing	Project)	

PAGE NO: M08		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) N/A	
DEPARTMENT EWS GROUP - DELIVERY				PROJECT TITLE REPLCMT. OF COMMERCIAL ROLL-OFF TRUCKS				PROJECT NO(S). 21081		ACCOUNT NO(S). 246-4319-2108100	
PROJECT DESCRIPTION Future funding is requested for the replacement of Commercial Services Roll-Off Trucks in 2021 and 2022. Environmental Waste Services equipment is evaluated by the Fleet Services Department, and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 201,565			
								TOTAL FUNDED \$ 201,565 UNFUNDED \$ 478,000 PROJECT TOTAL \$ 679,565			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations Capital Total				IMPACT EXPLANATION New equipment will lower maintenance costs.							
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design											
Land/Right-of-Way											
Construction											
Landscaping											
Equip. & Furnish.		202				233	245		680		
Other											
TOTAL COSTS		202				233	245		680		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		202							202		
Other											
Unfunded						233	245		478		
TOTAL SOURCES		202				233	245		680		
									PROJECT SCHEDULE	START	FINISH
									Design		
									Land/Right-of-Way		
									Construction		
									Finish Out		
									Other		
TOTAL SCHEDULE									(Ongoing	Project)	

PAGE NO: M09		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) All		
DEPARTMENT EWS GROUP - DELIVERY				PROJECT TITLE REPLCMT. OF FRONT-LOAD CONT. CARRIER				PROJECT NO(S). 21085		ACCOUNT NO(S). 246-4319-2108500		
PROJECT DESCRIPTION Funding is requested for the replacement of a 2001 model Front-Load Container Carrier Truck (#430-235). The vehicle is used to transport from inventory new or repaired front-load containers to commercial business locations. In addition, the vehicle is used to retrieve damaged containers or containers no longer needed by the customer. This piece of equipment requires significant maintenance cost in order to remain operational. Environmental Waste Services equipment is evaluated by the Fleet Services Department, and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 73,000 2018 Certificates of Oblig. 112,000				
								TOTAL FUNDED UNFUNDED PROJECT TOTAL \$ 185,000 \$ \$ 185,000				
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations Capital Total				IMPACT EXPLANATION								
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.		73	112						185			
Other												
TOTAL COSTS		73	112						185			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		73	112						185			
Other												
Unfunded												
TOTAL SOURCES		73	112						185			
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
TOTAL SCHEDULE										3/2017	3/2018	

PAGE NO: M10	<i>New Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) All																																																																																																																																																										
DEPARTMENT EWS GROUP - DELIVERY			PROJECT TITLE REPLACEMENT OF BOBCAT SKID LOADER					PROJECT NO(S). 21086	ACCOUNT NO(S). 246-4319-2108600																																																																																																																																																											
PROJECT DESCRIPTION Funding is requested for the replacment of a Bobcat Skid Loader (#430-1382) used to load recyclable commodities into compactors at the Drop-Off Recycling Center. The compactors loaded with commodities are transported by a vendor to a processing facility. Environmental Waste Services equipment is evaluated by the Fleet Services Department, and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.										FUNDING SOURCE(S)																																																																																																																																																										
										2018 Certificates of Oblig. \$ 53,000																																																																																																																																																										
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION Newer equipment will lower maintenance costs.					TOTAL FUNDED \$ 53,000 UNFUNDED \$ 62,000 PROJECT TOTAL \$ 115,000																																																																																																																																																												
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										*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																																																																																		
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TOTAL SCHEDULE	(Ongoing	Project)																																																																																																																																																																		

PAGE NO: M11	<i>New Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*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 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.										FUNDING SOURCE(S)	
										Certificates of Oblig. Issued \$ 69,300	
										2018 Certificates of Oblig. 60,700	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION Restoration will lower outside costs and other maintenance.					TOTAL FUNDED \$ 130,000 UNFUNDED \$ PROJECT TOTAL \$ 130,000			
STRIP MAP											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design											
Land/Right-of-Way											
Construction											
Landscaping											
Equip. & Furnish.		130						130			
Other											
TOTAL COSTS		130						130			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	69	61						130			
Other											
Unfunded											
TOTAL SOURCES	69	61						130			
									PROJECT SCHEDULE	START	FINISH
									Design		
									Land/Right-of-Way		
									Construction		
									Finish Out		
									Other		
TOTAL SCHEDULE									3/2018	7/2018	

PAGE NO: M12		<i>New Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) N/A		
DEPARTMENT EWS GROUP - DELIVERY			PROJECT TITLE NEW SIDE-LOAD RESIDENTIAL TRUCK					PROJECT NO(S). 21088		ACCOUNT NO(S). 246-4319-2108800		
PROJECT DESCRIPTION Funding is requested for the purchase of one new Side-Load Refuse Truck to be used to increase the number of solid waste collection routes established in 2001 from 16 to 17. Increasing the number of collection routes will address growth in the number of households serviced, increase productivity, and minimize equipment operator overtime.										FUNDING SOURCE(S) 2018 Certificates of Oblig. \$ 313,000		
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations Capital Total			IMPACT EXPLANATION					TOTAL FUNDED \$ 313,000 UNFUNDED \$ 401,000 PROJECT TOTAL \$ 714,000		STRIP MAP		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.			313					401	714			
Other												
TOTAL COSTS			313					401	714			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation			313						313			
Other												
Unfunded								401	401			
TOTAL SOURCES			313					401	714			
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	3/2018	12/2018

PAGE NO: M13	<i>New Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A																																																																														
DEPARTMENT EWS GROUP - DELIVERY			PROJECT TITLE NEW BRUSH TRACTOR TRUCKS/TRAILERS					PROJECT NO(S). 21089	ACCOUNT NO(S). 246-4319-2108900																																																																															
PROJECT DESCRIPTION Funding is requested for the purchase of two new Brush Tractor Trucks and two new Brush Trailers to increase the number of vehicles to collect and transport brush & bulky goods to the Landfill for disposal.										FUNDING SOURCE(S)																																																																														
										2018 Certificates of Oblig. \$ 310,000																																																																														
										TOTAL FUNDED \$ 310,000																																																																														
										UNFUNDED \$																																																																														
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION					STRIP MAP																																																																																
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*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total																																																																													
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*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																
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								Construction																																																																																
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								Other																																																																																
								TOTAL SCHEDULE	3/2018	12/2018																																																																														

PAGE NO: M14		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT FLEET SERVICES				PROJECT TITLE FUEL SYSTEM UPGRADE				PROJECT NO(S). 19030		ACCOUNT NO(S). 446-4899-1903007	
PROJECT DESCRIPTION This project is for the installation of electronic fuel tank monitors on the fuel inventory tanks for the City and the addition of a fuel tank to the Landfill fuel island and an electronic tank monitor and fuel dispensers, including construction work to properly install this equipment. We also have an approved ITB project in progress to upgrade fuel software. In the course of completing this project, Fleet Services became aware of additional requirements to accomplish our goals. These costs include the removal of the underground tanks at Firewheel Golf Course in accordance with the Texas Commission on Environmental Quality (TCEQ) guidelines, which will include the costs of soil remediation and environmental testing. The balance of the additional funds will be needed to replace aging fuel dispensers at our central fueling location as recommended by our recent Internal Audit report.										FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 352,378 2018 Certificates of Oblig. 150,000 TOTAL FUNDED \$ 502,378 UNFUNDED \$ PROJECT TOTAL \$ 502,378	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel \$29,000 Operations 7,000 # of Positions Capital Total \$36,000				IMPACT EXPLANATION Maintenance costs for maintaining 24 tank monitors will be required in the Operating Budget on an annual basis. In addition, the TCEQ strongly recommended to Fleet Services that the obsolete underground tanks be removed. As long as the tanks are underground, they will have to be monitored. This will require both time and financial resources in the future.							
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP	
Design											
Land/Right-of-Way											
Construction											
Landscaping											
Equip. & Furnish.		114	388						502		
Other											
TOTAL COSTS		114	388						502		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		352	150						502		
Other											
Unfunded											
TOTAL SOURCES		352	150						502	PROJECT SCHEDULE START FINISH Design Land/Right-of-Way Construction Finish Out Other TOTAL SCHEDULE 1/2010 12/2018	

PAGE NO: M15	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 2		
DEPARTMENT FLEET SERVICES			PROJECT TITLE FLEET SERVICES FACILITY RENOVATION					PROJECT NO(S). 19033	ACCOUNT NO(S). 446-4749-19033XX		
PROJECT DESCRIPTION In 2015, Fleet Services secured CIP funding in the amount of \$150,000 to improve the restrooms and the combined meeting, customer waiting, and break areas. Existing funding has provided for a comprehensive needs assessment, architectural evaluation and design, and an asbestos survey. The evaluations indicate the need for additional funding in the amount of \$1,510,000 to accomplish the goals of improved restroom access and conditions, development of a customer waiting area, increased occupancy of the meeting/break area, and increased parts storage. The proposed design allows accomplishment of the goals within the same building footprint and without loss of equipment service bays.											
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations 2,000 # of Positions _____ Capital Total <u>\$2,000</u>			IMPACT EXPLANATION There will be a marginal increase in Fleet Services' utility costs due to the additional waiting area. Also, the break room being requested includes air-conditioning.						FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,660,000 TOTAL FUNDED <u>\$ 1,660,000</u> UNFUNDED <u>\$</u> PROJECT TOTAL <u><u>\$ 1,660,000</u></u>		
STRIP MAP											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design	98	8						106			
Land/Right-of-Way											
Construction	1,337	81						1,418			
Landscaping											
Equip. & Furnish.	78	10						88			
Other	38	10						48			
TOTAL COSTS	1,551	109						1,660			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	1,660							1,660			
Other											
Unfunded											
TOTAL SOURCES	1,660							1,660			
									PROJECT SCHEDULE	START	FINISH
									Design	4/2012	4/2018
									Land/Right-of-Way		
									Construction	4/2016	4/2018
									Finish Out		
									Other		
									TOTAL SCHEDULE	4/2012	4/2018

[illegible]

PAGE NO: M17	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT MGMT INFO SERVICES		PROJECT TITLE EXTEND FIBER OPTIC CABLE						PROJECT NO(S). 23045	ACCOUNT NO(S). 416-4559-23045XX		
PROJECT DESCRIPTION This is an ongoing project to extend dedicated fiber optic cable to selected City facilities. Installed fiber will provide bandwidth for current and future City data needs, avoid monthly telecommunications lease fees, and improve troubleshooting response times. Fiber will be expanded to service the four water lift stations over the next year.								FUNDING SOURCE(S)			
								Certificates of Oblig. Issued \$ 690,414			
								TOTAL FUNDED \$ 690,414			
								UNFUNDED \$			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						PROJECT TOTAL \$ 690,414			
☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design											
Land/Right-of-Way											
Construction	590	100						690			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	590	100						690			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	690							690			
Other											
Unfunded											
TOTAL SOURCES	690							690			
									PROJECT SCHEDULE	START	FINISH
									Design		
									Land/Right-of-Way		
									Construction		
									Finish Out		
									Other		
									TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: M18		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) N/A	
CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST											
DEPARTMENT MGMT INFO SERVICES			PROJECT TITLE NETWORK AND CABLING UPGRADES					PROJECT NO(S). 23019		ACCOUNT NO(S). 416-4599-23019XX	
PROJECT DESCRIPTION This is an ongoing project. Recabling of City facilities is required to provide the speed and capacity necessary to meet the requirements of today's workstations. Additional network capacity is also required to support new and bandwidth-intensive applications such as video conferencing, network security cameras, IP telephony, and virtual desktops. There are approximately 45 facilities to be recabled including the Carver Center, Fire Stations, Firewheel, Water/Wastewater buildings, three libraries (Walnut Creek, North Branch, and South Branch), and other facilities throughout the city.										FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 900,000 Current Funds 250,000 Interest 50,000 TOTAL FUNDED \$ 1,200,000 UNFUNDED \$ 470,000 PROJECT TOTAL \$ 1,670,000	
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION							STRIP MAP	
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design											
Land/Right-of-Way											
Construction		870	300	175	175	150			1,670		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		870	300	175	175	150			1,670		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds		250							250		
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		900							900		
Other (Interest)		50							50		
Unfunded				145	175	150			470		
TOTAL SOURCES		1,200		145	175	150			1,670		
PROJECT SCHEDULE		START		FINISH							
Design											
Land/Right-of-Way											
Construction											
Finish Out											
Other											
TOTAL SCHEDULE		(Ongoing		Project)							

PAGE NO: M19		Continuing Project						CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST		*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT MGMT INFO SERVICES			PROJECT TITLE TELEPHONE SYSTEM REPLACEMENT						PROJECT NO(S). 23048		ACCOUNT NO(S). 416-4599-2304800		
PROJECT DESCRIPTION The core components of the existing Nortel CS1000 system were installed in 1988 by GTE. Avaya, Inc., acquired Nortel Enterprises in 2009 and has provided support for the Nortel CS1000 since that time. Avaya announced an "end of manufacturer support for hardware" date of June 1, 2018. Although parts availability is a minor concern, larger concerns surround the availability of supported hardware and software that integrate with the 30-year-old CS1000 (i.e., interactive voice response [IVR] used by Municipal Court, Customer Service, Water, and Building Inspection and support for modern telephony protocols). Software support for the CS1000 is expected to be discontinued in 2021. IT proposes a proactive, multi-year approach to replacing the CS1000 system in which the City moves to the Avaya Aura Communications Manager in a methodical fashion that can be funded over a four-year period. This approach also allows the City to take advantage of \$600,000 in discounts to upgrade licenses associated with our current Nortel system.										FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 413,000 2018 Certificates of Oblig. 100,000 TOTAL FUNDED \$ 513,000 UNFUNDED \$ 1,139,000 PROJECT TOTAL \$ 1,652,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations Capital Total			IMPACT EXPLANATION Current ongoing annual maintenance will increase for the Avaya Communications Manager. This increase will be an incremental phase-in over the life of the project with a total \$30,000 increase realized at the conclusion of the upgrade.							STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design													
Land/Right-of-Way													
Construction													
Landscaping													
Equip. & Furnish.		100	413	413	413	313			1,652				
Other													
TOTAL COSTS		100	413	413	413	313			1,652				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper													
Certificates of Obligation		413	100						513				
Other													
Unfunded				413	413	313			1,139				
TOTAL SOURCES		413	100	413	413	313			1,652				
										PROJECT SCHEDULE	START	FINISH	
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
										TOTAL SCHEDULE	1/2017	12/2021	

PAGE NO: M20		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) N/A					
DEPARTMENT DRAINAGE			PROJECT TITLE STORMWATER MAINTENANCE EQUIPMENT					PROJECT NO(S). 39819		ACCOUNT NO(S). 692-4699-3981900					
PROJECT DESCRIPTION Provides funds for the regular replacement of equipment required to maintain natural and man-made drainageways. In 2018, one backhoe loader (\$275,000 - for a new street sweeper), two 12-yard dump trucks (\$326,000), and two wheel loaders (\$530,000) are requested to be replaced. The backhoe loader is 18 years old, expensive to maintain due to ordinary wear and tear, and extremely unreliable. Purchasing a new large street sweeper to replace this backhoe will decrease the demand on the two existing small street sweepers. This will increase the life of the existing sweepers and allow for increased sweeping of arterial and collector streets. The 12-yard dump trucks are 8 and 10 years old and both have high mileage, are expensive to maintain, and are extremely unreliable. The two wheel loaders are 8 and 10 years old, are expensive to maintain, and are extremely unreliable.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 1,277,000 2018 Certificates of Oblig. 1,131,000 TOTAL FUNDED \$ 2,408,000 UNFUNDED \$ 2,000,000 PROJECT TOTAL \$ 4,408,000							
								IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION			
								STRIP MAP							
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Design															
Land/Right-of-Way															
Construction															
Landscaping															
Equip. & Furnish.		1,277	1,131	500	500	500	500		4,408						
Other															
TOTAL COSTS		1,277	1,131	500	500	500	500		4,408						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued															
GO's Unissued															
RB's/Com Paper															
Certificates of Obligation		1,277	1,131						2,408						
Other															
Unfunded				500	500	500	500		2,000						
TOTAL SOURCES		1,277	1,131	500	500	500	500		4,408						
										PROJECT SCHEDULE	START	FINISH			
										Design					
										Land/Right-of-Way					
										Construction					
										Finish Out					
										Other					
										TOTAL SCHEDULE	(Ongoing	Project)			

LANDFILL/TRANSFER STATION DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
17154	Replacement of Landfill Equipment	EW01	CO/UNF	\$2,431	\$992	\$3,326	\$2,497	\$1,525	\$2,977	\$0	\$13,748
17155	Replacement of Transfer Station Equipment	EW02	CO/UNF	704	0	0	0	0	171	0	875
17162	Transfer Station Rebuild	EW03	CF	0	747	0	0	0	0	0	747
17160	Leachate Discharge System Upgrades	EW04	CO	0	198	0	0	0	0	0	198
17161	Hinton Landfill GCCS Expansion	EW05	CO/UNF	900	150	0	0	0	0	0	1,050
17158	Wheel Wash Installation	EW06	CO/UNF	14	211	0	0	0	0	0	225
17108	* Addition of Automated Scales	EW07	CO	0	150	0	0	0	0	0	150
Total				<u>\$4,049</u>	<u>\$2,448</u>	<u>\$3,326</u>	<u>\$2,497</u>	<u>\$1,525</u>	<u>\$3,148</u>	<u>\$0</u>	<u>\$16,993</u>
Total Existing CO's, Interest, and Other Sources				\$4,049	\$1,096	\$0	\$0	\$0	\$0	\$0	\$5,145
2018 Certificates of Obligation				0	1,352	0	0	0	0	0	1,352
Unfunded				<u>0</u>	<u>0</u>	<u>3,326</u>	<u>2,497</u>	<u>1,525</u>	<u>3,148</u>	<u>0</u>	<u>10,496</u>
Total				<u>\$4,049</u>	<u>\$2,448</u>	<u>\$3,326</u>	<u>\$2,497</u>	<u>\$1,525</u>	<u>\$3,148</u>	<u>\$0</u>	<u>\$16,993</u>

* Project funded for the first time

LANDFILL/TRANSFER STATION DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
UNAPPROVED PROJECTS

PROJ. NO.	Project Description	Page	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
17163	* New Landfill Equipment	EW08	\$0	\$0	\$1,733	\$0	\$0	\$666	\$1,407	\$3,806
	Total		\$0	\$0	\$1,733	\$0	\$0	\$666	\$1,407	\$3,806

*Project requested for first time

LANDFILL/TRANSFER STATION DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2018	2019	2020	2021	2022	2023 to Completion	Project Total
17154	Replacement of Landfill Equipment	EW01	Appr.	\$992	\$3,326	\$2,497	\$1,525	\$2,977	\$0	\$11,317
17155	Replacement of Transfer Station Equipment	EW02	Appr.	0	0	0	0	171	0	171
17161	Hinton Landfill GCCS Expansion	EW05	Appr.	150	0	0	0	0	0	150
17158	Wheel Wash Installation	EW06	Appr.	60	0	0	0	0	0	60
17108	* Addition of Automated Scales	EW07	Appr.	150	0	0	0	0	0	150
17163	New Landfill Equipment	EW08	Unappr.	0	1,733	0	0	666	1,407	3,806
Total				<u>\$1,352</u>	<u>\$5,059</u>	<u>\$2,497</u>	<u>\$1,525</u>	<u>\$3,814</u>	<u>\$1,407</u>	<u>\$15,654</u>
Total Approved				\$1,352	\$3,326	\$2,497	\$1,525	\$3,148	\$0	\$11,848
Total Unapproved				0	1,733	0	0	666	1,407	3,806
Total				<u>\$1,352</u>	<u>\$5,059</u>	<u>\$2,497</u>	<u>\$1,525</u>	<u>\$3,814</u>	<u>\$1,407</u>	<u>\$15,654</u>

*Project funded for the first time

PAGE NO: EW01		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) N/A													
DEPARTMENT EWS GROUP - DISPOSAL				PROJECT TITLE REPLACEMENT OF LANDFILL EQUIPMENT				PROJECT NO(S). 17154		ACCOUNT NO(S). 692-1609-1715400													
PROJECT DESCRIPTION Funding is requested to replace the current 826H compactor (Unit 160-0021) with a 836K compactor unit. The 836K compactor is a more efficient operating unit that will compact approximately 1200 solid waste tons per day versus 826H compactor unit that will compact approximately 800 tons of solid waste per day. The increased compaction of solid waste aids in saving landfill airspace. 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, hours of operation, maintenance costs, and operating effectiveness of each piece of equipment.								FUNDING SOURCE(S) <table> <tr> <td>Certificates of Oblig. Issued</td> <td>\$ 2,431,000</td> </tr> <tr> <td>2018 Certificates of Oblig.</td> <td>992,000</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>TOTAL FUNDED</td> <td>\$ 3,423,000</td> </tr> <tr> <td>UNFUNDED</td> <td>\$ 10,325,000</td> </tr> <tr> <td>PROJECT TOTAL</td> <td>\$ 13,748,000</td> </tr> </table>				Certificates of Oblig. Issued	\$ 2,431,000	2018 Certificates of Oblig.	992,000			TOTAL FUNDED	\$ 3,423,000	UNFUNDED	\$ 10,325,000	PROJECT TOTAL	\$ 13,748,000
								Certificates of Oblig. Issued	\$ 2,431,000														
2018 Certificates of Oblig.	992,000																						
TOTAL FUNDED	\$ 3,423,000																						
UNFUNDED	\$ 10,325,000																						
PROJECT TOTAL	\$ 13,748,000																						
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION New equipment will lower maintenance costs.				STRIP MAP															
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total										
Design																							
Land/Right-of-Way																							
Construction																							
Landscaping																							
Equip. & Furnish.		2,431	992	3,326	2,497	1,525	2,977						13,748										
Other																							
TOTAL COSTS		2,431	992	3,326	2,497	1,525	2,977						13,748										
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total										
Current Funds																							
GO's/Com Paper Issued																							
GO's Unissued																							
RB's/Com Paper																							
Certificates of Obligation		2,431	992						3,423														
Other																							
Unfunded				3,326	2,497	1,525	2,977		10,325														
TOTAL SOURCES		2,431	992	3,326	2,497	1,525	2,977		13,748														
										PROJECT SCHEDULE	START	FINISH											
										Design													
										Land/Right-of-Way													
										Construction													
										Finish Out													
										Other													
										TOTAL SCHEDULE	(Ongoing	Project)											

PAGE NO: EW02		<i>Continuing Project</i>		CITY OF GARLAND - 2018 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 Future request is for two Transfer Trailers (#160-0099 and #160-0100) in 2022. Environmental Waste Services equipment is evaluated annually by the Fleet Services Department, and a five-year replacement schedule is updated each year for financial planning. This evaluation takes into consideration age, mileage, maintenance costs, operating effectiveness of each piece of equipment, and financial impact on the City.									FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 704,000			
									TOTAL FUNDED		\$	704,000
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION New equipment will lower maintenance costs.							UNFUNDED		\$	171,000
☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions Capital Total									PROJECT TOTAL		\$	875,000
									STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.		704					171		875			
Other												
TOTAL COSTS		704					171		875			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation		704							704	Construction		
Other										Finish Out		
Unfunded							171		171	Other		
TOTAL SOURCES		704					171		875	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: EW03	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) All
DEPARTMENT FACILITIES MANAGEMENT			PROJECT TITLE TRANSFER STATION REBUILD					PROJECT NO(S). 17162	ACCOUNT NO(S). 635-1609-1716217	
PROJECT DESCRIPTION The EWS Transfer Station was built in 1974 and is used, on average, 11 hours-a-day, 5 days-a-week. It is a critical asset in the delivery process, allowing the EWS - Delivery group to provide efficient services to the citizens and businesses of Garland. Over the last 12 years since the last rebuild was done, the heavy equipment used in the Pit to move the trash to the larger transfer trailers has worn the basic infrastructure down to the point that a significant rebuild of the walls is now necessary. In addition, other parts of the building have experienced deterioration and need to be replaced or repaired.									FUNDING SOURCE(S) Current Funds \$ 747,000	
									TOTAL FUNDED \$ 747,000	
									UNFUNDED \$	
									PROJECT TOTAL \$ 747,000	
IMPACT ON OPERATING BUDGET ☐ Will Impact ☒ Will Not Impact # of Positions _____ Annual Cost/(Savings): Personnel _____ Operations _____ Capital _____ Total _____			IMPACT EXPLANATION							STRIP MAP
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design		40						40		
Land/Right-of-Way										
Construction		677						677		
Landscaping										
Equip. & Furnish.										
Other (Testing/Proj.Mgt.)		30						30		
TOTAL COSTS		747						747		
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds	412	335						747		
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation										
Other										
Unfunded										
TOTAL SOURCES	412	335						747		
									PROJECT SCHEDULE Design 11/2017 4/2018	
									Land/Right-of-Way 	
									Construction 11/2017 4/2018	
									Finish Out 	
									Other 	
TOTAL SCHEDULE									11/2017 4/2018	

PAGE NO: EW04		Continuing Project							*Amounts in 000's \$			COUNCIL DISTRICT(S) N/A			
DEPARTMENT EWS GROUP - DISPOSAL				PROJECT TITLE LEACHATE DISCHARGE SYSTEM UPGRADES					PROJECT NO(S). 17160		ACCOUNT NO(S). 692-1609-1716000				
PROJECT DESCRIPTION Funding is requested to upgrade the existing landfill leachate discharge line and the existing lift station at the Hinton Landfill facility. The existing system is undersized, and the upgrade is necessary to ensure continued compliance with Texas Commission on Environmental Quality (TCEQ) requirements.									FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 198,000						
									TOTAL FUNDED					\$ 198,000	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions Capital Total									IMPACT EXPLANATION Ensure continued compliance with TCEQ requirements.						
									UNFUNDED					\$	
									PROJECT TOTAL					\$ 198,000	
									STRIP MAP						
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Design															
Land/Right-of-Way															
Construction															
Landscaping															
Equip. & Furnish.															
Other (Upgrd.Line/Lift St)			198						198						
TOTAL COSTS			198						198						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued										PROJECT SCHEDULE		START		FINISH	
GO's Unissued										Design					
RB's/Com Paper										Land/Right-of-Way					
Certificates of Obligation		198							198	Construction					
Other										Finish Out					
Unfunded										Other		3/2018		12/2018	
TOTAL SOURCES		198							198	TOTAL SCHEDULE		3/2018		12/2018	

PAGE NO: EW05		<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 In 2017, thirty-seven 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. Funding is requested in 2018 for the installation of five gas extraction wells in the newly constructed waste cell #7 area for the same purposes as aforementioned.									FUNDING SOURCE(S)																																																																																																																																																											
									Certificates of Oblig. Issued \$ 900,000 2018 Certificates of Oblig. 150,000																																																																																																																																																											
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions Capital Total			IMPACT EXPLANATION Minimize emissions of odor-causing methane gas.						TOTAL FUNDED \$ 1,050,000 UNFUNDED \$ PROJECT TOTAL \$ 1,050,000																																																																																																																																																											
<table border="1"> <thead> <tr> <th>*PROJECT COSTS</th> <th>Thru 12-2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023 to Completion</th> <th>Total</th> </tr> </thead> <tbody> <tr><td>Design</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Land/Right-of-Way</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Construction</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Landscaping</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Equip. & Furnish.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Other (Aerial Expansion)</td><td>900</td><td>150</td><td></td><td></td><td></td><td></td><td></td><td>1,050</td></tr> <tr><td>TOTAL COSTS</td><td>900</td><td>150</td><td></td><td></td><td></td><td></td><td></td><td>1,050</td></tr> <tr> <th>*SOURCE OF FUNDS</th> <th>Thru 12-2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023 to Completion</th> <th>Total</th> </tr> <tr><td>Current Funds</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></tr> <tr><td>GO's Unissued</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></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Certificates of Obligation</td><td>900</td><td>150</td><td></td><td></td><td></td><td></td><td></td><td>1,050</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>Unfunded</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>TOTAL SOURCES</td><td>900</td><td>150</td><td></td><td></td><td></td><td></td><td></td><td>1,050</td></tr> </tbody> </table>									*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Design									Land/Right-of-Way									Construction									Landscaping									Equip. & Furnish.									Other (Aerial Expansion)	900	150						1,050	TOTAL COSTS	900	150						1,050	*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Current Funds									GO's/Com Paper Issued									GO's Unissued									RB's/Com Paper									Certificates of Obligation	900	150						1,050	Other									Unfunded									TOTAL SOURCES	900	150						1,050	STRIP MAP		
									*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																																																																																			
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									Other (Aerial Expansion)	900	150						1,050																																																																																																																																																			
									TOTAL COSTS	900	150						1,050																																																																																																																																																			
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Unfunded																																																																																																																																																																				
TOTAL SOURCES	900	150						1,050																																																																																																																																																												
PROJECT SCHEDULE		START	FINISH																																																																																																																																																																	
Design																																																																																																																																																																				
Land/Right-of-Way																																																																																																																																																																				
Construction																																																																																																																																																																				
Finish Out																																																																																																																																																																				
Other		3/2017	5/2018																																																																																																																																																																	
TOTAL SCHEDULE		3/2017	5/2018																																																																																																																																																																	

PAGE NO: EW06	<i>Continuing Project</i>	CITY OF GARLAND - 2018 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 cost of increased length, additional concrete and steel reinforcement for the new Wheel Wash System design. The new design will have less mechanical parts, 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 \$ 165,000 2018 Certificates of Oblig. 60,000 TOTAL FUNDED \$ 225,000 UNFUNDED \$ PROJECT TOTAL \$ 225,000																				
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION							STRIP MAP																				
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																						
Design																														
Land/Right-of-Way																														
Construction																														
Landscaping																														
Equip. & Furnish.	14	211						225																						
Other																														
TOTAL COSTS	14	211						225																						
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																						
Current Funds																														
GO's/Com Paper Issued																														
GO's Unissued																														
RB's/Com Paper																														
Certificates of Obligation	165	60						225																						
Other																														
Unfunded																														
TOTAL SOURCES	165	60						225																						
									<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">PROJECT SCHEDULE</td> <td style="width:20%;">START</td> <td style="width:20%;">FINISH</td> </tr> <tr> <td>Design</td> <td></td> <td></td> </tr> <tr> <td>Land/Right-of-Way</td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td></td> <td></td> </tr> <tr> <td>Finish Out</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td>TOTAL SCHEDULE</td> <td>11/2017</td> <td>7/2018</td> </tr> </table>		PROJECT SCHEDULE	START	FINISH	Design			Land/Right-of-Way			Construction			Finish Out			Other			TOTAL SCHEDULE	11/2017
PROJECT SCHEDULE	START	FINISH																												
Design																														
Land/Right-of-Way																														
Construction																														
Finish Out																														
Other																														
TOTAL SCHEDULE	11/2017	7/2018																												

PAGE NO: EW07	<i>New Project</i>	CITY OF GARLAND - 2018 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)			
								2018 Certificates of Oblig. \$ 150,000			
								TOTAL FUNDED \$ 150,000			
								UNFUNDED \$			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						PROJECT TOTAL \$ 150,000			
☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations Capital Total											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design											
Land/Right-of-Way											
Construction											
Landscaping											
Equip. & Furnish.		150						150			
Other											
TOTAL COSTS		150						150			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 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	7/2018

Unapproved Submitted Projects

[illegible]

WATER DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
30190	Transmission Mains (16-Inch and Above)	W01	RB/UNF	\$1,441	\$3,500	\$1,500	\$1,500	\$1,500	\$1,500	\$0	\$10,941
30191	Distribution Lines (Up to 14-Inch)	W02	RB/UNF	5,029	6,225	3,000	3,000	3,000	3,000	0	23,254
30192	Relocation of Mains Prior to Paving	W03	RB/UNF	3,924	4,014	4,000	4,000	4,000	4,000	0	23,938
30195	Relocation of Mains Prior to Storm Sewer Install.	W04	RB/UNF	0	275	125	125	125	125	0	775
30197	Water Pump Station Rehab	W05	RB/UNF	1,034	1,539	300	200	100	0	0	3,173
30205	Fire Hydrant Installation	W06	RB/CO/INT/UNF	428	401	300	300	300	300	0	2,029
30206	Water Service Installation	W07	RB/UNF	214	648	300	300	300	300	0	2,062
30207	Upgrade Undersized Water Mains	W08	RB/UNF	163	1,062	500	500	500	500	0	3,225
30208	Water Distribution Line Replacement	W09	RB/UNF	1,724	792	750	750	750	750	0	5,516
30213	Radio Read Water Meter Retrofit	W10	RB/UNF	1,233	1,039	1,000	1,000	1,000	1,000	0	6,272
30216	Country Club/Bobtown Road Water Trans. Mains	W11	RB/UNF	3,150	1,799	0	0	0	0	0	4,949
30222	West Pressure Plane Improvements	W12	CF/RB	6,464	584	0	0	0	0	0	7,048
30235	Roan Road Water Transmission Main	W13	RB/UNF	98	300	802	0	0	0	0	1,200
30236	Water Quality Assurance	W14	RB	61	60	279	0	0	0	0	400
30237	* Water Pump Station Emergency Generators	W15	RB/UNF	0	2,225	400	0	0	0	0	2,625
30238	* Field Operations Center	W16	RB/UNF	0	250	555	4,585	0	0	0	5,390
30239	* Sand Pit Cover	W17	RB/UNF	0	125	0	0	0	0	0	125
Total				<u>\$24,963</u>	<u>\$24,838</u>	<u>\$13,811</u>	<u>\$16,260</u>	<u>\$11,575</u>	<u>\$11,475</u>	<u>\$0</u>	<u>\$102,922</u>
Total Existing CO's/RB's/Interest/Current Funds				\$24,963	\$12,338	\$281	\$0	\$0	\$0	\$0	\$37,582
Total 2018 Revenue Bonds/Commerical Paper				0	12,500	0	0	0	0	0	12,500
Unfunded				<u>0</u>	<u>0</u>	<u>13,530</u>	<u>16,260</u>	<u>11,575</u>	<u>11,475</u>	<u>0</u>	<u>52,840</u>
Total				<u>\$24,963</u>	<u>\$24,838</u>	<u>\$13,811</u>	<u>\$16,260</u>	<u>\$11,575</u>	<u>\$11,475</u>	<u>\$0</u>	<u>\$102,922</u>

*Project funded for the first time

WATER DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
UNAPPROVED PROJECTS

PROJ. NO.	Project Description	Page	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
30232	East Zone Water Tower	W18	\$0	\$0	\$0	\$300	\$2,600	\$3,500	\$1,750	\$8,150
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$300</u>	<u>\$2,600</u>	<u>\$3,500</u>	<u>\$1,750</u>	<u>\$8,150</u>

WATER DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2018	2019	2020	2021	2022	2023 to Completion	Project Total
30190	Transmission Mains (16-Inch and Above)	W01	Appr.	\$1,000	\$1,500	\$1,500	\$1,500	\$1,500	\$0	\$7,000
30191	Distribution Lines (Up to 14-Inch)	W02	Appr.	3,000	3,000	3,000	3,000	3,000	0	15,000
30192	Relocation of Mains Prior to Paving	W03	Appr.	2,500	4,000	4,000	4,000	4,000	0	18,500
30195	Relocation of Mains Prior to Storm Sewer Install.	W04	Appr.	0	125	125	125	125	0	500
30197	Water Pump Station Rehab	W05	Appr.	0	300	200	100	0	0	600
30205	Fire Hydrant Installation	W06	Appr.	0	300	300	300	300	0	1,200
30206	Water Service Installation	W07	Appr.	450	300	300	300	300	0	1,650
30207	Upgrade Undersized Water Mains	W08	Appr.	500	500	500	500	500	0	2,500
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.	1,300	0	0	0	0	0	1,300
30235	Roan Road Water Transmission Main	W13	Appr.	0	800	0	0	0	0	800
30237 *	Water Pump Station Emergency Generators	W15	Appr.	1,625	400	0	0	0	0	2,025
30238 *	Field Operations Center	W16	Appr.	250	555	4,585	0	0	0	5,390
30238 *	Sand Pit Cover	W17	Appr.	125	0	0	0	0	0	125
30232	East Zone Water Tower	W18	Unappr.	0	0	300	2,600	3,500	1,750	8,150
Total				<u>\$12,500</u>	<u>\$13,530</u>	<u>\$16,560</u>	<u>\$14,175</u>	<u>\$14,975</u>	<u>\$1,750</u>	<u>\$73,490</u>
Total Approved				\$12,500	\$13,530	\$16,260	\$11,575	\$11,475	\$0	\$65,340
Total Unapproved				<u>0</u>	<u>0</u>	<u>300</u>	<u>2,600</u>	<u>3,500</u>	<u>1,750</u>	<u>8,150</u>
Total				<u>\$12,500</u>	<u>\$13,530</u>	<u>\$16,560</u>	<u>\$14,175</u>	<u>\$14,975</u>	<u>\$1,750</u>	<u>\$73,490</u>

*Project funded for the first time

PAGE NO: W01	<i>Continuing Project</i>	CITY OF GARLAND - 2018 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 2018 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.										FUNDING SOURCE(S)		
										Revenue Bonds Issued \$ 208,826		
										Commercial Paper 4,732,564		
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION Impact on the Operating Budget should be favorable due to decreased maintenance costs associated with new lines.					TOTAL FUNDED \$ 4,941,390 UNFUNDED \$ 6,000,000 PROJECT TOTAL \$ 10,941,390				
										STRIP MAP		
										Various locations.		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		860							860			
Land/Right-of-Way												
Construction		581	3,500	1,500	1,500	1,500	1,500		10,081			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		1,441	3,500	1,500	1,500	1,500	1,500		10,941			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		3,941	1,000						4,941			
Certificates of Obligation												
Other												
Unfunded				1,500	1,500	1,500	1,500		6,000			
TOTAL SOURCES		3,941	1,000	1,500	1,500	1,500	1,500		10,941			
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: W02		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) All			
DEPARTMENT WATER			PROJECT TITLE DISTRIBUTION LINES (UP TO 14-INCH)					PROJECT NO(S). 30191		ACCOUNT NO(S). 220-4049-3019100			
PROJECT DESCRIPTION The replacement of water distribution lines that have deteriorated to substandard conditions includes the costs for labor, materials, outside contractors, and engineered drawings. Distribution lines to be replaced as part of the 2018 CIP include Syracuse Drive from Vanderbilt Drive to end, Justice Drive from Plano Road to Yale Drive, Glenbrook Drive from Kingsley Road to Carroll Drive, Ridgedale Drive from Kingsley Road to Kenwood Drive, Intrepid Drive from Spindrift Passage to Windward Drive, Alto Drive from Freemont to Dairy, Thistle Drive from Thicket to Hartford, Bardfield Drive from Saturn to Keele, McDonald Drive from Saturn to Bardfield, Wildbriar Drive from Shadyglen to Heather Glen, and High Meadow Drive from Country Club to Dove.								FUNDING SOURCE(S) Commercial Paper \$ 11,110,996 Revenue Bonds Issued 142,845 TOTAL FUNDED \$ 11,253,841 UNFUNDED \$ 12,000,000 PROJECT TOTAL \$ 23,253,841					
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION Impact on the Operating Budget should be favorable due to decreased maintenance costs associated with new lines.					STRIP MAP Various locations.					
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Design		800	2,000										2,800
Land/Right-of-Way													
Construction		4,229	4,225	3,000	3,000	3,000	3,000						20,454
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		5,029	6,225	3,000	3,000	3,000	3,000						23,254
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper		8,254	3,000						11,254				
Certificates of Obligation													
Other													
Unfunded				3,000	3,000	3,000	3,000		12,000				
TOTAL SOURCES		8,254	3,000	3,000	3,000	3,000	3,000		23,254				
										PROJECT SCHEDULE	START	FINISH	
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
										TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: W03		Continuing Project						*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 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 2018 in conjunction with Street Department projects are Parkmont Drive project, including Gary Drive, Daniel Drive, and Larry Drive; Shiloh Road from LBJ Freeway to Kingsley Road; Curtis Drive from Susan to Davidson; Field Knoll Drive from Dove Meadow to End; Glenbrook Drive from Carroll to Centerville; and Main Street - Avenue A Alley from Seventh to Fifth.											FUNDING SOURCE(S) Revenue Bonds Issued \$ 240,337 Commercial Paper 7,697,907 TOTAL FUNDED \$ 7,938,244 UNFUNDED \$ 16,000,000 PROJECT TOTAL \$ 23,938,244	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations Capital Total			IMPACT EXPLANATION New lines will have a favorable impact on the Operating Budget by reducing maintenance on replaced water mains.								STRIP MAP Various locations.	
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		1,000	2,000						3,000			
Land/Right-of-Way												
Construction		2,924	2,014	4,000	4,000	4,000	4,000		20,938			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		3,924	4,014	4,000	4,000	4,000	4,000		23,938			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		5,438	2,500						7,938			
Certificates of Obligation												
Other												
Unfunded				4,000	4,000	4,000	4,000		16,000			
TOTAL SOURCES		5,438	2,500	4,000	4,000	4,000	4,000		23,938			
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: W04		Continuing Project						CITY OF GARLAND - 2018 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 2018 are Oates Road from Broadway Boulevard to Rosehill Road and the Meadowcreek Park neighborhood.										FUNDING SOURCE(S) Commercial Paper \$ 275,000 TOTAL FUNDED \$ 275,000 UNFUNDED \$ 500,000 PROJECT TOTAL \$ 775,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION A favorable impact to the Operating Budget is expected due to new or replacement lines requiring less maintenance.						STRIP MAP Various locations.			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design													
Land/Right-of-Way													
Construction			275	125	125	125	125		775				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS			275	125	125	125	125		775				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper		275							275				
Certificates of Obligation													
Other													
Unfunded				125	125	125	125		500				
TOTAL SOURCES		275		125	125	125	125		775				
										PROJECT SCHEDULE		START	FINISH
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
										TOTAL SCHEDULE		(Ongoing	Project)

PAGE NO: W05		Continuing Project						CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST		*Amounts in 000's \$		COUNCIL DISTRICT(S) q										
DEPARTMENT WATER			PROJECT TITLE WATER PUMP STATION REHAB						PROJECT NO(S). 30197		ACCOUNT NO(S). 227-4049-3019700 220-4049-3019700											
PROJECT DESCRIPTION This request provides Capital Improvement funds for multiple pump stations. The objective is to enhance reliability and security features as well as extend the useful life of water pumping station infrastructure through time-phased replacement of equipment to maintain expected service levels and continually meet water quality requirements and standby emergency electrical power needs. The Firewheel Pump Station will benefit from an engineering assessment, rehabilitation design, and construction. Note: \$600,000 will be transferred to the new Water project, #30237 - Water Pump Station Emergency Generators.										FUNDING SOURCE(S) Commercial Paper \$ 1,948,000 Revenue Bonds Issued 625,047 <table> <tr> <td>TOTAL FUNDED</td> <td>\$</td> <td>2,573,047</td> </tr> <tr> <td>UNFUNDED</td> <td>\$</td> <td>600,000</td> </tr> <tr> <td>PROJECT TOTAL</td> <td>\$</td> <td>3,173,047</td> </tr> </table>				TOTAL FUNDED	\$	2,573,047	UNFUNDED	\$	600,000	PROJECT TOTAL	\$	3,173,047
TOTAL FUNDED	\$	2,573,047																				
UNFUNDED	\$	600,000																				
PROJECT TOTAL	\$	3,173,047																				
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION Favorable impact is expected to the Operating Budget due to less power consumption resulting from more efficient pumps and motors and decreased water main flushing.							STRIP MAP Various locations.												
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total													
Design		20	135	100					255													
Land/Right-of-Way																						
Construction		1,014	1,404	200	200	100			2,918													
Landscaping																						
Equip. & Furnish.																						
Other																						
TOTAL COSTS		1,034	1,539	300	200	100			3,173													
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total													
Current Funds																						
GO's/Com Paper Issued																						
GO's Unissued																						
RB's/Com Paper		2,573							2,573													
Certificates of Obligation																						
Other																						
Unfunded				300	200	100			600													
TOTAL SOURCES		2,573		300	200	100			3,173													
PROJECT SCHEDULE		START		FINISH																		
Design																						
Land/Right-of-Way																						
Construction																						
Finish Out																						
Other																						
TOTAL SCHEDULE		(Ongoing		Project)																		

PAGE NO: W06	Continuing Project CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) All						
DEPARTMENT WATER			PROJECT TITLE FIRE HYDRANT INSTALLATION					PROJECT NO(S). 30205		ACCOUNT NO(S). 226-4049-3020500 220-4049-3020500					
PROJECT DESCRIPTION This project provides for the installation of new fire hydrants on existing water lines at various locations to improve fire protection services.								FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 219,000 Interest 169,539 Commercial Paper 440,000 TOTAL FUNDED \$828,539 UNFUNDED \$1,200,000 PROJECT TOTAL \$2,028,539							
								IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____					IMPACT EXPLANATION Additional units may cause a slight increase in maintenance costs in the Operating Budget due to additional fire hydrants in the system.		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP Various locations.					
Design															
Land/Right-of-Way															
Construction		428	401	300	300	300	300		2,029						
Landscaping															
Equip. & Furnish.															
Other															
TOTAL COSTS		428	401	300	300	300	300		2,029						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued															
GO's Unissued															
RB's/Com Paper		440							440						
Certificates of Obligation		219							219						
Other (Interest)		170							170						
Unfunded				300	300	300	300		1,200						
TOTAL SOURCES		829		300	300	300	300		2,029						
										PROJECT SCHEDULE		START		FINISH	
										Design					
										Land/Right-of-Way					
										Construction					
										Finish Out					
										Other					
										TOTAL SCHEDULE		(Ongoing		Project)	

PAGE NO: W07	<i>Continuing Project</i>						*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT WATER			PROJECT TITLE WATER SERVICE INSTALLATION					PROJECT NO(S). 30206	ACCOUNT NO(S). 227-4049-3020600 220-4049-3020600	
PROJECT DESCRIPTION This project funds the purchase of water meters, meter boxes, and related service line parts necessary for potable water supply service. Also included is the purchase of a new automated test bench for testing meter accuracy.								FUNDING SOURCE(S)		
								Revenue Bonds Issued \$ 2,384 Commercial Paper 859,360		
								TOTAL FUNDED	\$ 861,744	
								UNFUNDED	\$ 1,200,000	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____								PROJECT TOTAL	\$ 2,061,744	
								STRIP MAP Various locations.		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	
Design										
Land/Right-of-Way										
Construction		214	648	300	300	300	300		2,062	
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS		214	648	300	300	300	300		2,062	
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper		412	450						862	
Certificates of Obligation										
Other										
Unfunded				300	300	300	300		1,200	
TOTAL SOURCES		412	450	300	300	300	300		2,062	
								PROJECT SCHEDULE	START	FINISH
								Design		
								Land/Right-of-Way		
								Construction		
								Finish Out		
								Other		
								TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: W08	<i>Continuing Project</i>							*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 This project provides for the replacement of undersized water lines, 2-inch diameter or smaller, with new 6-inch PVC mains. Projects for the 2018 CIP are Tynes Drive from Burning Tree Lane to Greentree Lane, Nash Drive from Hillcrest Drive to North Garland Road, and First Street/Haskell Drive Alley from Main Street to Avenue C.									FUNDING SOURCE(S)			
									Revenue Bonds Issued \$ 224,961 Commercial Paper 1,000,000			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION Replacing old lines will have a positive impact on the Operating Budget by reducing maintenance costs and water loss.						TOTAL FUNDED <u>\$ 1,224,961</u>			
									UNFUNDED <u>\$ 2,000,000</u>			
									PROJECT TOTAL <u><u>\$ 3,224,961</u></u>			
									STRIP MAP Various locations.			
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design		281						281				
Land/Right-of-Way												
Construction	163	781	500	500	500	500		2,944				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS	163	1,062	500	500	500	500		3,225				
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds												
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH	
GO's Unissued									Design			
RB's/Com Paper	725	500						1,225	Land/Right-of-Way			
Certificates of Obligation									Construction			
Other									Finish Out			
Unfunded			500	500	500	500		2,000	Other			
TOTAL SOURCES	725	500	500	500	500	500		3,225	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: W09		Continuing Project						CITY OF GARLAND - 2018 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 This project provides for the installation of short sections of new water mains, 6-inch diameter or larger, for repair purposes. Projects for the 2018 CIP are Ravencroft Drive from Broadmoor to Heritage, Kazak Drive from Shadwell to Bardfield, Hilltop Drive from Inwood to West Way, Cedar Drive from Fifth to Chandler, Oxford Park from Chestnut to Valley Mills, and Yukon Drive from Castle to Ontario.											FUNDING SOURCE(S) Revenue Bonds Issued \$ 516,380 Commercial Paper 2,000,000 TOTAL FUNDED \$ 2,516,380 UNFUNDED \$ 3,000,000 PROJECT TOTAL \$ 5,516,380				
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION Replacing water lines will have a positive impact on the Operating Budget by reducing maintenance costs and water loss.							STRIP MAP Various locations.				
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Design															
Land/Right-of-Way															
Construction		1,724	792	750	750	750	750		5,516						
Landscaping															
Equip. & Furnish.															
Other															
TOTAL COSTS		1,724	792	750	750	750	750		5,516						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued															
GO's Unissued															
RB's/Com Paper		1,766	750						2,516						
Certificates of Obligation															
Other															
Unfunded				750	750	750	750		3,000						
TOTAL SOURCES		1,766	750	750	750	750	750		5,516						
										PROJECT SCHEDULE		START		FINISH	
										Design					
										Land/Right-of-Way					
										Construction					
										Finish Out					
										Other					
TOTAL SCHEDULE										(Ongoing		Project)			

PAGE NO: W10		Continuing Project						CITY OF GARLAND - 2018 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 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 2018, the Water Department plans to change out approximately 4,000 meters using an outside contractor to upgrade the remaining end-point devices that are no longer functioning to the current standard.										FUNDING SOURCE(S) Revenue Bonds Issued \$ 71,779 Commercial Paper 2,200,000 TOTAL FUNDED \$ 2,271,779 UNFUNDED \$ 4,000,000 PROJECT TOTAL \$ 6,271,779			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION There may be a minor impact on the Operating Budget due to increased maintenance for radio read water meters.						STRIP MAP Various locations.			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design													
Land/Right-of-Way													
Construction		1,233	1,039	1,000	1,000	1,000	1,000		6,272				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		1,233	1,039	1,000	1,000	1,000	1,000		6,272				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper		1,272	1,000						2,272				
Certificates of Obligation													
Other													
Unfunded				1,000	1,000	1,000	1,000		4,000				
TOTAL SOURCES		1,272	1,000	1,000	1,000	1,000	1,000		6,272				
										PROJECT SCHEDULE	START	FINISH	
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
										TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: W11		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*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 ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ 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.								
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design												
Land/Right-of-Way												
Construction		3,150	1,799						4,949			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		3,150	1,799						4,949			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		3,649	1,300						4,949			
Certificates of Obligation												
Other												
Unfunded												
TOTAL SOURCES		3,649	1,300						4,949			
PROJECT SCHEDULE		START		FINISH								
Design		1/2014		6/2016								
Land/Right-of-Way												
Construction		7/2016		12/2018								
Finish Out												
Other												
TOTAL SCHEDULE		1/2014		12/2018								

PAGE NO: W12	Continuing Project	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) All																																																																																																																																																									
DEPARTMENT WATER		PROJECT TITLE WEST PRESSURE PLANE IMPROVEMENTS						PROJECT NO(S). 30222	ACCOUNT NO(S). 227-4049-3022200 220-4049-3022200																																																																																																																																																									
PROJECT DESCRIPTION This project incorporates a phased approach to add capacity and reliability to the West Pressure Plane of our Water Distribution System. Phase 1 is complete and included the expansion and rehabilitation of the Wallace Pump Station and construction of a new 24-inch transmission line. Phase 2 for construction of the McCree Road 2.5-million-gallon elevated storage tank located on the southwest corner of McCree Road and Leon Road in the southwestern portion of Garland is substantially complete and is expected to be finished early in 2018. Note: The funding below is for Phase 2 only.																																																																																																																																																																		
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION Minimal impact to the Operating Budget is expected due to reduced pumping costs from the Apollo and Northside Pump Stations.						FUNDING SOURCE(S) <table style="width:100%;"> <tr> <td>Revenue Bonds Issued</td> <td style="text-align: right;">\$ 1,288,085</td> </tr> <tr> <td>Commercial Paper</td> <td style="text-align: right;">4,300,000</td> </tr> <tr> <td>Current Funds</td> <td style="text-align: right;">1,460,000</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>TOTAL FUNDED</td> <td style="text-align: right;">\$ 7,048,085</td> </tr> <tr> <td>UNFUNDED</td> <td style="text-align: right;">\$</td> </tr> <tr> <td>PROJECT TOTAL</td> <td style="text-align: right;">\$ 7,048,085</td> </tr> </table>		Revenue Bonds Issued	\$ 1,288,085	Commercial Paper	4,300,000	Current Funds	1,460,000			TOTAL FUNDED	\$ 7,048,085	UNFUNDED	\$	PROJECT TOTAL	\$ 7,048,085																																																																																																																																									
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								TOTAL SCHEDULE	7/2010	5/2018																																																																																																																																																								

PAGE NO: W13	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 3	
DEPARTMENT WATER		PROJECT TITLE ROAN ROAD WATER TRANSMISSION MAIN						PROJECT NO(S). 30235	ACCOUNT NO(S). 220-4049-3023500	
PROJECT DESCRIPTION This project funds the installation of a 16-inch water line along Roan Road from Rowlett Road to Waterhouse Drive. Currently, the 16-inch water line on Roan Road ends at Rowlett Road and then begins again at Waterhouse Drive. Installing this section of 16-inch water line will increase the water volume available for the I.H. 30 catalyst area.								FUNDING SOURCE(S)		
								Commercial Paper \$ 400,000		
								TOTAL FUNDED \$ 400,000		
								UNFUNDED \$ 800,000		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION Minimal impact is anticipated to the Operating Budget due to the addition of a new water line.						PROJECT TOTAL \$ 1,200,000		
☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____										
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP	
Design	98	300						398		
Land/Right-of-Way										
Construction			802					802		
Landscaping										
Equip. & Furnish.										
Other										
TOTAL COSTS	98	300	802					1,200		
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper	400							400		
Certificates of Obligation										
Other										
Unfunded			800					800		
TOTAL SOURCES	400		800					1,200		
								PROJECT SCHEDULE	START	FINISH
								Design	4/2017	12/2018
								Land/Right-of-Way		
								Construction	4/2018	12/2019
								Finish Out		
								Other		
								TOTAL SCHEDULE	4/2017	12/2019

PAGE NO: W14		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) All				
DEPARTMENT WATER				PROJECT TITLE WATER QUALITY ASSURANCE					PROJECT NO(S). 30236		ACCOUNT NO(S). 220-4049-3023600				
PROJECT DESCRIPTION This project provides Capital Improvement funds for needed water system infrastructure enhancements to meet water quality assurance requirements and includes automation of the Broadway Pump Station chloramine boosting system and Automated System Flushing Units.									FUNDING SOURCE(S)						
									Commercial Paper \$ 400,000						
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____									IMPACT EXPLANATION 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.						
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP Various locations.					
Design		61	15						76						
Land/Right-of-Way															
Construction			45	279					324						
Landscaping															
Equip. & Furnish.															
Other															
TOTAL COSTS		61	60	279					400						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued										PROJECT SCHEDULE		START		FINISH	
GO's Unissued										Design		3/2017		8/2018	
RB's/Com Paper		400							400	Land/Right-of-Way					
Certificates of Obligation										Construction		1/2018		12/2019	
Other										Finish Out					
Unfunded										Other					
TOTAL SOURCES		400							400	TOTAL SCHEDULE		3/2017		12/2019	

PAGE NO: W15	<i>New Project</i>	CITY OF GARLAND - 2018 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 evaluation of the Broadway, Firewheel, Apollo, and Northside units. This project will increase operational efficiency and enhance service reliability of emergency water system back-up power. Note: \$600,000 will be transferred from an existing CIP project, #30197 - Water Pump Station Rehab.										FUNDING SOURCE(S)	
										Commercial Paper \$ 2,225,000	
										TOTAL FUNDED \$ 2,225,000	
										UNFUNDED \$ 400,000	
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION									
☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____		A favorable impact to the Operating Budget is anticipated due to less man-hours spent to address ongoing service reliability issues.									
STRIP MAP											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		225						225			
Land/Right-of-Way											
Construction		2,000	400					2,400			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		2,225	400					2,625			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper	600	1,625						2,225			
Certificates of Obligation											
Other											
Unfunded			400					400			
TOTAL SOURCES	600	1,625	400					2,625			
									PROJECT SCHEDULE	START	FINISH
									Design	1/2018	4/2018
									Land/Right-of-Way		
									Construction	6/2018	12/2019
									Finish Out		
									Other		
TOTAL SCHEDULE									1/2018	12/2019	

PAGE NO: W16	<i>New Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 8		
DEPARTMENT WATER			PROJECT TITLE FIELD OPERATIONS CENTER					PROJECT NO(S). 30238	ACCOUNT NO(S). 220-4049-3023800			
PROJECT DESCRIPTION There are currently two existing buildings - one built in the 1950s, housing Department Managers, and the other in the 1970s, housing utility crews - that have roof leaks and cracks in the walls due to possible foundation problems. Water/Wastewater Managers and crews work in four separate buildings but need to be located together to facilitate efficiency, training, and communication, and to better address work-related issues. Note: The project is split 50/50 between Water and Wastewater Collection. See Wastewater Collection's new project, #32188 - Field Operations Center.										FUNDING SOURCE(S) Commercial Paper \$ 250,000 TOTAL FUNDED \$ 250,000 UNFUNDED \$ 5,140,000 PROJECT TOTAL \$ 5,390,000		
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations 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 two separate structures.							STRIP MAP		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design			250	555					805			
Land/Right-of-Way												
Construction					3,722				3,722			
Landscaping												
Equip. & Furnish.					341				341			
Other					522				522			
TOTAL COSTS			250	555	4,585				5,390			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper			250						250			
Certificates of Obligation												
Other												
Unfunded				555	4,585				5,140			
TOTAL SOURCES			250	555	4,585				5,390			
										PROJECT SCHEDULE	START	FINISH
										Design	3/2018	12/2019
										Land/Right-of-Way		
										Construction	1/2020	9/2020
										Finish Out	9/2020	12/2020
										Other		
										TOTAL SCHEDULE	3/2018	12/2020

PAGE NO:							*Amounts in 000's \$	COUNCIL DISTRICT(S)																																																																																
W17	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							8																																																																																
DEPARTMENT WATER			PROJECT TITLE SAND PIT COVER					PROJECT NO(S). 30239	ACCOUNT NO(S). 220-4049-3023900																																																																															
PROJECT DESCRIPTION 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. Note: The project is split 50/50 between Water and Wastewater Collection. See Wastewater Collection's new project, #32189 - Sand Pit Cover.								FUNDING SOURCE(S) Commercial Paper \$ 125,000																																																																																
								TOTAL FUNDED \$ 125,000																																																																																
								UNFUNDED \$																																																																																
								PROJECT TOTAL \$ 125,000																																																																																
IMPACT ON OPERATING BUDGET ☐ Will Impact ☒ Will Not Impact # of Positions _____ Annual Cost/(Savings): Personnel Operations Capital Total			IMPACT EXPLANATION A favorable Impact to efficiencies is expected due to sand and base remaining usable.					STRIP MAP																																																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:12%;">*PROJECT COSTS</th> <th style="width:8%;">Thru 12-2017</th> <th style="width:8%;">2018</th> <th style="width:8%;">2019</th> <th style="width:8%;">2020</th> <th style="width:8%;">2021</th> <th style="width:8%;">2022</th> <th style="width:8%;">2023 to Completion</th> <th style="width:8%;">Total</th> </tr> <tr> <td>Design</td> <td></td> <td style="text-align: center;">5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">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 style="text-align: center;">120</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">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></td> <td style="text-align: center;">125</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">125</td> </tr> </table>										*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	Design		5						5	Land/Right-of-Way									Construction		120						120	Landscaping									Equip. & Furnish.									Other									TOTAL COSTS		125						125							
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total																																																																														
Design		5								5																																																																														
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*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																																																																																
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PROJECT SCHEDULE	START	FINISH																																																																																						
Design	3/2018	5/2018																																																																																						
Land/Right-of-Way																																																																																								
Construction	5/2018	12/2018																																																																																						
Finish Out																																																																																								
Other																																																																																								
TOTAL SCHEDULE	3/2018	12/2018																																																																																						

Unapproved Submitted Projects

PAGE NO: W18		<i>Unfunded Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) N/A	
DEPARTMENT WATER			PROJECT TITLE EAST ZONE WATER TOWER					PROJECT NO(S). 30232		ACCOUNT NO(S). 220-4049-3023200	
PROJECT DESCRIPTION The purpose of this request is to fund the design and construction of a new elevated water storage tank and associated piping in the East Pressure Plane. The objectives are to continue to provide peak-hour pressures to the southern portion of the city and to enhance off-peak service and fire protection.										FUNDING SOURCE(S) \$ TOTAL FUNDED \$ UNFUNDED \$ 8,150,000 PROJECT TOTAL \$ 8,150,000	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION Additional facility maintenance costs may have a minor impact on the Operating Budget.								
STRIP MAP											
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design					300	350			650		
Land/Right-of-Way						500			500		
Construction						1,750	3,500	1,750	7,000		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS					300	2,600	3,500	1,750	8,150		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation											
Other											
Unfunded					300	2,600	3,500	1,750	8,150		
TOTAL SOURCES					300	2,600	3,500	1,750	8,150		
									PROJECT SCHEDULE	START	FINISH
									Design		
									Land/Right-of-Way		
									Construction	4/2020	12/2023
									Finish Out		
									Other		
TOTAL SCHEDULE									4/2020	12/2023	

WASTEWATER DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Wastewater Collection</u>											
32124	Infiltration Correction - Various	WW01	CF/RB/INT/UNF	\$2,074	\$750	\$700	\$700	\$700	\$700	\$0	\$5,624
32147	Sewer Collection Mains - Manholes	WW02	RB/INT/UNF	845	500	400	400	400	400	0	2,945
32148	Sanitary Sewer Taps - New or Relocations	WW03	RB/INT/UNF	196	80	80	80	80	80	0	596
32149	Collection Mains	WW04	RB/INT/UNF	4,179	1,500	1,500	1,500	1,500	1,500	0	11,679
32151	Sewer Lift Station Rehab	WW05	RB/INT/UNF	275	225	100	100	100	100	0	900
32154	Cured-in-Place Pipe Main & Lateral Rehab	WW06	RB/UNF	2,479	1,000	1,000	1,000	1,000	1,000	0	7,479
32157	Relocation of Mains Prior to Paving	WW07	RB/INT/UNF	3,820	4,760	3,100	2,235	2,000	2,000	0	17,915
32161	Rowl-I - Campbell to Shiloh	WW08	RB/CO/INT/UNF	550	900	3,501	2,420	0	0	0	7,371
32174	Lift Station Abandonment	WW09	INT	555	454	0	0	0	0	0	1,009
32181	Duck Creek Greenbelt Trail Extension	WW10	CF/RB	65	1,315	110	0	0	0	0	1,490
32183	Duck Creek Interceptor Rehab	WW11	RB/INT/UNF	357	20	20	220	220	1,240	0	2,077
32184	Rowlett Interceptor Rehab	WW12	RB/INT/UNF	2,382	1,035	1,060	1,080	1,075	1,000	0	7,632
32186 *	Walnut-I	WW13	RB/UNF	0	250	200	200	150	3,500	0	4,300
32187	S.H. 190 Catalyst Area	WW14	RB/UNF	150	450	400	0	0	0	0	1,000
32188 *	Field Operations Center	WW15	RB/UNF	0	250	555	4,585	0	0	0	5,390
32189 *	Sand Pit Cover	WW16	RB/UNF	0	125	0	0	0	0	0	125
<u>Wastewater Treatment</u>											
33028	Rowlett Creek WWTP Processes Improvements	WW17	RB/UNF	2,375	4,409	11,945	3,075	1,945	2,015	44,000	69,764
33029	Rowlett Creek WWTP Replacements/Mods.	WW18	CF/RB/UNF	2,941	3,794	1,815	765	2,740	700	700	13,455
34027	Duck Creek WWTP Replacements/Mods.	WW19	CF/RB/INT/UNF	1,229	2,822	1,800	1,200	1,200	1,200	1,200	10,651
34035	Rowlett Creek WWTP Biosolids Expansion	WW20	CF/RB/CO/UNF	27,214	0	0	0	50	50	1,000	28,314
34038	Duck Creek WWTP Processes Improvements	WW21	CF/RB/CO/UNF	847	7,957	2,200	2,850	6,495	14,865	52,655	87,869
33031	Rowlett Creek Operations Center Renovations	WW22	RB/UNF	152	7,548	1,225	0	0	0	0	8,925
33032 *	Rowlett Creek Admin. Building Renovation	WW23	RB/UNF	0	155	1,195	0	0	0	0	1,350
Total				<u>\$52,685</u>	<u>\$40,299</u>	<u>\$32,906</u>	<u>\$22,410</u>	<u>\$19,655</u>	<u>\$30,350</u>	<u>\$99,555</u>	<u>\$297,860</u>
Total Existing CO's/RB's/Current Funds/Interest				\$52,685	\$18,724	\$751	\$140	\$100	\$0	\$0	\$72,400
Total 2018 Revenue Bonds/Commerical Paper				0	21,575	0	0	0	0	0	21,575
Unfunded				<u>0</u>	<u>0</u>	<u>32,155</u>	<u>22,270</u>	<u>19,555</u>	<u>30,350</u>	<u>99,555</u>	<u>203,885</u>
Total				<u>\$52,685</u>	<u>\$40,299</u>	<u>\$32,906</u>	<u>\$22,410</u>	<u>\$19,655</u>	<u>\$30,350</u>	<u>\$99,555</u>	<u>\$297,860</u>

*Project funded for the first time

WASTEWATER DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
UNAPPROVED PROJECTS

PROJ. NO.	Project Description	Page	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Wastewater Treatment</u>										
33030	Rowlett Creek Maintenance Center Renovations	WW24	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 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2018	2019	2020	2021	2022	2023 to Completion	Project Total
<u>Wastewater Collection</u>										
32124	Infiltration Correction - Various	WW01	Appr.	\$750	\$700	\$700	\$700	\$700	\$0	\$3,550
32147	Sewer Collection Mains - Manholes	WW02	Appr.	400	400	400	400	400	0	2,000
32148	Sanitary Sewer Taps - New or Relocations	WW03	Appr.	80	80	80	80	80	0	400
32149	Collection Mains	WW04	Appr.	1,500	1,500	1,500	1,500	1,500	0	7,500
32151	Sewer Lift Station Rehab	WW05	Appr.	0	0	0	0	100	0	100
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.	4,760	3,100	2,235	2,000	2,000	0	14,095
32161	Rowl-I - Campbell to Shiloh	WW08	Appr.	0	2,980	2,420	0	0	0	5,400
32183	Duck Creek Interceptor Rehab	WW11	Appr.	0	0	180	220	1,240	0	1,640
32184	Rowlett Interceptor Rehab	WW12	Appr.	985	1,060	1,080	1,075	1,000	0	5,200
32186	* Walnut-I	WW13	Appr.	250	200	200	150	3,500	0	4,300
32187	S.H. 190 Catalyst Area	WW14	Appr.	450	400	0	0	0	0	850
32188	* Field Operations Center	WW15	Appr.	250	555	4,585	0	0	0	5,390
32189	* Sand Pit Cover	WW16	Appr.	125	0	0	0	0	0	125
<u>Wastewater Treatment</u>										
33028	Rowlett Creek WWTP Processes Improvements	WW17	Appr.	3,350	11,945	3,075	1,945	2,015	44,000	66,330
33029	Rowlett Creek WWTP Replacements/Mods.	WW18	Appr.	1,750	1,815	765	2,740	700	700	8,470
34027	Duck Creek WWTP Replacements/Mods.	WW19	Appr.	0	1,800	1,200	1,200	1,200	1,200	6,600
34035	Rowlett Creek WWTP Biosolids Expansion	WW20	Appr.	0	0	0	50	50	1,000	1,100
34038	Duck Creek WWTP Processes Improvements	WW21	Appr.	570	2,200	2,850	6,495	14,865	52,655	79,635
33031	Rowlett Creek Operations Center Renovations	WW22	Appr.	5,200	1,225	0	0	0	0	6,425
33032	* Rowlett Creek Admin. Building Renovation	WW23	Appr.	155	1,195	0	0	0	0	1,350
33030	Rowlett Creek Maintenance Center Renovations	WW24	Unappr.	0	800	3,500	0	0	0	4,300
Total				<u>\$21,575</u>	<u>\$32,955</u>	<u>\$25,770</u>	<u>\$19,555</u>	<u>\$30,350</u>	<u>\$99,555</u>	<u>\$229,760</u>
Total Approved				\$21,575	\$32,155	\$22,270	\$19,555	\$30,350	\$99,555	\$225,460
Total Unapproved				<u>0</u>	<u>800</u>	<u>3,500</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>4,300</u>
Total				<u>\$21,575</u>	<u>\$32,955</u>	<u>\$25,770</u>	<u>\$19,555</u>	<u>\$30,350</u>	<u>\$99,555</u>	<u>\$229,760</u>

*Project funded for the first time

PAGE NO: WW01		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT WASTEWATER COLLECTION				PROJECT TITLE INFILTRATION CORRECTION - VARIOUS					PROJECT NO(S). 32124		ACCOUNT NO(S). 237-4149-3212400 235-4149-3212400	
PROJECT DESCRIPTION The purpose of this project is to provide for the systematic and ongoing correction of major sources of infiltration/inflow into the sanitary sewer collection system. The City's sewer collection system is relatively old and is in continual need of revitalization to reduce sources of infiltration/inflow, and the replacement of substandard mains is essential for known sources. Two siphons in Duck Creek north of Nickens Road and south of La Prada, built in 1966, will be replaced, and emergency repairs to pipes are necessary to coordinate manhole-to-manhole pipe relines as described in Project 32154 (Page WW06).									FUNDING SOURCE(S)			
									Current Funds \$ 371,127 Revenue Bonds Issued 127,510 Interest 1,375,000 Commercial Paper 950,000 TOTAL FUNDED \$ 2,823,637 UNFUNDED \$ 2,800,000 PROJECT TOTAL \$ 5,623,637			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION This project will have a positive impact on the Wastewater Treatment budget due to less infiltration/inflow entering the plants.					STRIP MAP Various locations.			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total
Design		50	50									100
Land/Right-of-Way												
Construction		2,024	700	700	700	700	700					5,524
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		2,074	750	700	700	700	700					5,624
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total
Current Funds		371							371			
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		328	750						1,078			
Certificates of Obligation												
Other (Interest)		1,375							1,375			
Unfunded				700	700	700	700		2,800			
TOTAL SOURCES		2,074	750	700	700	700	700		5,624			
PROJECT SCHEDULE		START		FINISH								
Design												
Land/Right-of-Way												
Construction												
Finish Out												
Other												
TOTAL SCHEDULE		(Ongoing		Project)								

PAGE NO: WW02		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT WASTEWATER COLLECTION				PROJECT TITLE SEWER COLLECTION MAINS - MANHOLES					PROJECT NO(S). 32147		ACCOUNT NO(S). 237-4149-3214700	
PROJECT DESCRIPTION This project provides for the replacement, repair, and/or addition of manholes throughout the city to provide access to the sanitary sewer collection system. Epoxy and other chemical materials will be used to rehabilitate the inside of manholes when cost-effective. Forty (40) manholes have been identified as part of the Street Department Reconstruction. Beginning at the Duck Creek Wastewater Treatment Plant, existing concrete manholes on the old 48-inch interceptor will be relined to extend the life of that asset. There are approximately 12,500 manholes in the sewer collection system, and the majority of them were constructed of bricks. Most defective manholes are identified during inspections, and while some may be rehabilitated with minor repairs, some manholes will have to be removed and replaced.									FUNDING SOURCE(S)			
									Revenue Bonds Issued		\$ 545,106	
									Interest		400,000	
									Commercial Paper		400,000	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____									TOTAL FUNDED			\$ 1,345,106
									UNFUNDED			\$ 1,600,000
									PROJECT TOTAL			\$ 2,945,106
IMPACT EXPLANATION There is a minor positive impact to the Operating Budget associated with this project. Replacement and repair of manholes or additional manholes reduce infiltration/inflow to the collection system when cleaning and maintenance is required.									STRIP MAP Various locations.			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design												
Land/Right-of-Way												
Construction		845	500	400	400	400	400		2,945			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		845	500	400	400	400	400		2,945			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued										PROJECT SCHEDULE		
GO's Unissued										START		
RB's/Com Paper		545	400						945	FINISH		
Certificates of Obligation										Design		
Other (Interest)		400							400	Land/Right-of-Way		
Unfunded				400	400	400	400		1,600	Construction		
TOTAL SOURCES		945	400	400	400	400	400		2,945	Finish Out		
										Other		
										(Ongoing Project)		

PAGE NO: WW03		<i>Continuing Project</i>		CITY OF GARLAND - 2018 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 This project provides for the installation of new sewer taps for residential, commercial, or industrial users where no tap currently exists. It also provides for the relocation of existing taps where customers are unable to use the existing taps.									FUNDING SOURCE(S)				
									Commercial Paper Interest			\$	160,000
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____									IMPACT EXPLANATION This project will have a positive impact on the Operating Budget associated with an increased number of customers and revenue.				
									TOTAL FUNDED			\$	276,078
									UNFUNDED			\$	320,000
									PROJECT TOTAL			\$	596,078
STRIP MAP Various locations.													
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design													
Land/Right-of-Way													
Construction		196	80	80	80	80	80		596				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		196	80	80	80	80	80		596				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH	
GO's Unissued										Design			
RB's/Com Paper		80	80						160	Land/Right-of-Way			
Certificates of Obligation										Construction			
Other (Interest)		116							116	Finish Out			
Unfunded				80	80	80	80		320	Other			
TOTAL SOURCES		196	80	80	80	80	80		596	TOTAL SCHEDULE	(Ongoing	Project)	

PAGE NO: WW04		<i>Continuing Project</i>		CITY OF GARLAND - 2018 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. Costs identified include labor, materials, outside contractors, engineering design, and all other expenses associated with sewer main installation/replacement. Projects identified include the design and reroute of Ballinger, Bonita, Lamesa, Belita, Flores, and Axe. Glenbrook/Ridgedale is a joint construction project with Streets, Water, and Stormwater Management. Engineering design is included for new pipe from Miller to Glenbrook that will bore under Garland Avenue and the railroad track.									FUNDING SOURCE(S)							
									Commercial Paper		\$ 4,025,000					
									Interest		1,653,507					
									TOTAL FUNDED		<u>\$ 5,678,507</u>					
									UNFUNDED		<u>\$ 6,000,000</u>					
									PROJECT TOTAL		<u><u>\$ 11,678,507</u></u>					
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ 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.					STRIP MAP Various locations.		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total							
Design		170							170							
Land/Right-of-Way																
Construction		4,009	1,500	1,500	1,500	1,500	1,500		11,509							
Landscaping																
Equip. & Furnish.																
Other																
TOTAL COSTS		4,179	1,500	1,500	1,500	1,500	1,500		11,679							
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total							
Current Funds																
GO's/Com Paper Issued																
GO's Unissued																
RB's/Com Paper		2,525	1,500						4,025							
Certificates of Obligation																
Other (Interest)		1,654							1,654							
Unfunded				1,500	1,500	1,500	1,500		6,000							
TOTAL SOURCES		4,179	1,500	1,500	1,500	1,500	1,500		11,679							
									PROJECT SCHEDULE		START		FINISH			
									Design							
									Land/Right-of-Way							
									Construction							
									Finish Out							
									Other							
									TOTAL SCHEDULE		(Ongoing		Project)			

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PAGE NO: WW06		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT WASTEWATER COLLECTION				PROJECT TITLE CURED-IN-PLACE PIPE MAIN & LATERAL REHAB				PROJECT NO(S). 32154		ACCOUNT NO(S). 230-4149-3215400 237-4149-3215400	
PROJECT DESCRIPTION This project allows for the rehabilitation of both City mainline and lateral lines for pipe sizes from 6-inch up to 30-inch diameter. The process differs from other methods of repair since it is "no dig" construction. Relining or pipe-bursting the existing sewer pipes improves flow characteristics and reduces stoppages and manhole overflows. Reduction of sanitary sewer overflows (SSOs) is required by State and Federal regulations. Twenty (20) streets and alleys are to be relined as part of the Street Department Reconstruction project.										FUNDING SOURCE(S) Revenue Bonds Issued \$ 86,516 Commercial Paper 3,392,925 TOTAL FUNDED \$ 3,479,441 UNFUNDED \$ 4,000,000 PROJECT TOTAL \$ 7,479,441	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION This project will have a positive impact on both Wastewater Treatment Plants and sanitary sewer collection mains. Reducing infiltration/inflow volume reduces the amount of rainwater to be treated, and maintenance costs may be reduced when existing sewer pipe becomes new pipe.						STRIP MAP Various locations.	
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design											
Land/Right-of-Way											
Construction		2,479	1,000	1,000	1,000	1,000	1,000		7,479		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		2,479	1,000	1,000	1,000	1,000	1,000		7,479		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper		2,479	1,000						3,479		
Certificates of Obligation											
Other											
Unfunded				1,000	1,000	1,000	1,000		4,000		
TOTAL SOURCES		2,479	1,000	1,000	1,000	1,000	1,000		7,479		
		PROJECT SCHEDULE		START		FINISH					
		Design									
		Land/Right-of-Way									
		Construction									
		Finish Out									
		Other									
		TOTAL SCHEDULE		(Ongoing		Project)					

PAGE NO: WW07		Continuing Project						CITY OF GARLAND - 2018 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 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. Replacement is necessary to maintain reliable service, avoid utility conflicts, and allow for systematic upgrades to the existing sanitary sewer collection system. Included in the 2018 request is funding for wastewater mains and improvements to Shiloh Road (I.H. 635 to Kingsley), Glenbrook (Kingsley to Carroll), Ridgedale (Kingsley to Kenwood), Glenbrook Circle, Daugherty/Linda (Arcady to Dairy), Birchwood/Rockledge alley (Broadmoor to Penn), Brookshire alley (Intervale to Birchwood), Hawthorne alley (Pecan to Pecan), Miller (16th to Glenbrook), Oates (Rosehill to Broadway), Ballinger/Bonita/Cortez and Lamesa/Belita alleys, Mary Jane (Lakecrest to Lyons), Arcady (Linda to Dairy), and West Avenue A/Main (Fifth to Seventh).										FUNDING SOURCE(S) Commercial Paper \$ 8,118,000 Interest 432,233 Revenue Bonds Issued 30,000 TOTAL FUNDED \$ 8,580,233 UNFUNDED \$ 9,335,000 PROJECT TOTAL \$ 17,915,233					
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION This project will have a positive impact on the Operating Budget due to reduced maintenance on the new lines.						STRIP MAP Various locations.					
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Design		800	950	620	435	300	300		3,405						
Land/Right-of-Way															
Construction		3,020	3,810	2,480	1,800	1,700	1,700		14,510						
Landscaping															
Equip. & Furnish.															
Other															
TOTAL COSTS		3,820	4,760	3,100	2,235	2,000	2,000		17,915						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued															
GO's Unissued															
RB's/Com Paper		3,388	4,760						8,148						
Certificates of Obligation															
Other (Interest)		432							432						
Unfunded				3,100	2,235	2,000	2,000		9,335						
TOTAL SOURCES		3,820	4,760	3,100	2,235	2,000	2,000		17,915						
										PROJECT SCHEDULE		START		FINISH	
										Design					
										Land/Right-of-Way					
										Construction					
										Finish Out					
										Other					
										TOTAL SCHEDULE		(Ongoing		Project)	

PAGE NO: WW08	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*Amounts in 000's \$	COUNCIL DISTRICT(S) 1		
DEPARTMENT WASTEWATER COLLECTION			PROJECT TITLE ROWL-I - CAMPBELL TO SHILOH					PROJECT NO(S). 32161	ACCOUNT NO(S). 237-4149-3216100 230-4149-3216100		
PROJECT DESCRIPTION Identified in the 2008 Wastewater Management Plan, this project identifies pipe restrictions and increases capacity from residential neighborhoods to expand the size of interceptor pipelines. A section of the project in the Camelot Addition from Round Rock to Campbell Road will pipe-burst the cast-iron sewer line currently bordering ponds and under earthen berms, and additional manholes in the new gravity sewer line will provide access for future maintenance. The use of High Density Polyethylene (HDPE) pipe substantially improves reliability, flow characteristics, and future maintenance access.									FUNDING SOURCE(S)		
									Revenue Bonds Issued \$ 430,754		
									Certificates of Oblig. Issued 270,000		
									Commercial Paper 350,000		
						Interest 920,000					
						TOTAL FUNDED \$ 1,970,754					
						UNFUNDED \$ 5,400,000					
						PROJECT TOTAL \$ 7,370,754					
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION								
☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			This project will have a positive impact on the Operating Budget due to the increased capacity of existing sanitary sewer lines and addition of new sanitary sewer lines. Increased capacity of the interceptor will reduce the possibility of Sanitary Sewer Manhole Overflows.								
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design	100							100			
Land/Right-of-Way											
Construction	450	900	3,501	2,420				7,271			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS	550	900	3,501	2,420				7,371			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper	781							781			
Certificates of Obligation	270							270			
Other (Interest)	920							920			
Unfunded			2,980	2,420				5,400			
TOTAL SOURCES	1,971		2,980	2,420				7,371			
									PROJECT SCHEDULE	START	FINISH
									Design	3/2014	12/2017
									Land/Right-of-Way		
									Construction	3/2017	11/2020
									Finish Out		
									Other		
									TOTAL SCHEDULE	3/2014	11/2020

PAGE NO: WW09		Continuing Project							*Amounts in 000's \$			COUNCIL DISTRICT(S) All			
DEPARTMENT WASTEWATER COLLECTION				PROJECT TITLE LIFT STATION ABANDONMENT					PROJECT NO(S). 32174		ACCOUNT NO(S). 237-4149-3217400				
PROJECT DESCRIPTION This project provides for design and construction costs required to abandon the Eastern Hills Lift Station and reestablish gravity sewer flow.										FUNDING SOURCE(S) Interest \$ 1,009,372					
										TOTAL FUNDED \$ 1,009,372					
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____					IMPACT EXPLANATION This project will have a positive impact on the Operating Budget by eliminating operations and maintenance costs associated with lift station operations.					UNFUNDED \$					
										PROJECT TOTAL \$ 1,009,372					
STRIP MAP															
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Design		110							110						
Land/Right-of-Way															
Construction		445	454						899						
Landscaping															
Equip. & Furnish.															
Other															
TOTAL COSTS		555	454						1,009						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued										PROJECT SCHEDULE		START		FINISH	
GO's Unissued										Design		4/2007		1/2017	
RB's/Com Paper										Land/Right-of-Way					
Certificates of Obligation										Construction		1/2010		12/2018	
Other (Interest)		1,009							1,009	Finish Out					
Unfunded										Other					
TOTAL SOURCES		1,009							1,009	TOTAL SCHEDULE		4/2007		12/2018	

PAGE NO: WW10		<i>Continuing Project</i>		CITY OF GARLAND - 2018 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 The Duck Creek Sanitary Sewer Interceptor excavation caused disruption to portions of City of Garland park land. Restoration of that park land includes the construction of a hike and bike trail east of the I.H. 30 corridor and Belt Line Road area. This trail extension provides 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 are acquired, with acquisition of the final remaining pedestrian and access easement in progress. 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			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION This project may impact the 2018-19 Operating Budget with the addition of trimming, edging, and litter pickup along approximately one-half mile of concrete trail.					TOTAL FUNDED \$ 1,490,026			
									UNFUNDED \$			
									PROJECT TOTAL \$ 1,490,026			
									STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		65	35	10					110			
Land/Right-of-Way												
Construction			1,280	100					1,380			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		65	1,315	110					1,490			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		1,454							1,454			
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design	4/2008	4/2019
RB's/Com Paper		36							36	Land/Right-of-Way		
Certificates of Obligation										Construction	5/2018	4/2019
Other										Finish Out		
Unfunded										Other		
TOTAL SOURCES		1,490							1,490	TOTAL SCHEDULE	4/2008	4/2019

PAGE NO: WW11	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 4			
DEPARTMENT WASTEWATER COLLECTION			PROJECT TITLE DUCK CREEK INTERCEPTOR REHAB						PROJECT NO(S). 32183		ACCOUNT NO(S). 237-4149-3218300	
PROJECT DESCRIPTION A comprehensive engineering study of old 48-inch concrete pipe by CCTV, sonar, and laser technology identified defects in manholes and pipe. This project will coordinate the rehabilitation of existing manholes of the interceptor to the Duck Creek Wastewater Treatment Plant. A proactive rehabilitation plan over several years will restore the interceptor and extend the useful life of this asset. Beginning at the Duck Creek Wastewater Treatment Plant, existing concrete manholes will be relined to extend the useful life of the asset.									FUNDING SOURCE(S)			
									Revenue Bonds Issued \$ 337,445 Interest 100,000			
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION						TOTAL FUNDED \$ 437,445			
☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			A failure of the pipe would have a significant environmental impact. This project will have a positive impact by reducing the inflow/infiltration of rainwater into the Duck Creek WWTP.						UNFUNDED \$ 1,640,000			
									PROJECT TOTAL \$ 2,077,445			
									STRIP MAP Various locations.			
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design												
Land/Right-of-Way												
Construction	20	20	20	220	220	1,240		1,740				
Landscaping												
Equip. & Furnish.												
Other	337							337				
TOTAL COSTS	357	20	20	220	220	1,240		2,077				
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds												
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH	
GO's Unissued									Design			
RB's/Com Paper	337							337	Land/Right-of-Way			
Certificates of Obligation									Construction	3/2017	12/2022	
Other (Interest)	20	20	20	40				100	Finish Out			
Unfunded				180	220	1,240		1,640	Other	5/2012	1/2017	
TOTAL SOURCES	357	20	20	220	220	1,240		2,077	TOTAL SCHEDULE	5/2012	12/2022	

PAGE NO: WW12		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) 1, 2			
DEPARTMENT WASTEWATER COLLECTION				PROJECT TITLE ROWLETT INTERCEPTOR REHAB				PROJECT NO(S). 32184		ACCOUNT NO(S). 237-4149-3218400 230-4149-3218400			
PROJECT DESCRIPTION A condition assessment of the 48-inch interceptor from the George Bush Tollway to the Rowlett Creek Wastewater Treatment Plant was completed in 2011. Constructed in 1971, hydrogen sulfide gas has deteriorated this concrete pipe and manholes, but a proactive rehabilitation plan over several years will restore the interceptor and extend the useful life of this asset. Approximately 2,350 feet of the existing concrete pipe will be relined by the Cured-In-Place Pipe (CIPP) Trenchless process.								FUNDING SOURCE(S) Commercial Paper \$ 2,530,000 Interest 886,612 TOTAL FUNDED \$ 3,416,612 UNFUNDED \$ 4,215,000 PROJECT TOTAL \$ 7,631,612					
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions Operations 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 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Design													
Land/Right-of-Way													
Construction		2,382	1,035	1,060	1,080	1,075	1,000						7,632
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		2,382	1,035	1,060	1,080	1,075	1,000						7,632
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper		1,545	985						2,530				
Certificates of Obligation													
Other (Interest)		887							887				
Unfunded				1,060	1,080	1,075	1,000		4,215				
TOTAL SOURCES		2,432	985	1,060	1,080	1,075	1,000		7,632				
PROJECT SCHEDULE		START		FINISH									
Design													
Land/Right-of-Way													
Construction		12/2012		12/2022									
Finish Out													
Other													
TOTAL SCHEDULE		12/2012		12/2022									

PAGE NO: WW13		New Project						CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST		*Amounts in 000's \$		COUNCIL DISTRICT(S) 6, 8	
DEPARTMENT WASTEWATER COLLECTION				PROJECT TITLE WALNUT-I				PROJECT NO(S). 32186		ACCOUNT NO(S). 237-4149-3218600			
PROJECT DESCRIPTION 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. An Engineering Drainage CIP project scheduled for 2018 provides for construction improvements in the creek channel.										FUNDING SOURCE(S) Commercial Paper \$ 250,000			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION The location of the pipe in the creek bed has limited access and prevents routine maintenance. Relocation of the pipe is essential. Age and condition of any pipe can eventually allow rainwater to enter into the pipe and cause additional costs at a wastewater treatment plant, loss of pipe capacity, and potential sewage backups into customers' homes or businesses.						TOTAL FUNDED \$ 250,000 UNFUNDED \$ 4,050,000 PROJECT TOTAL \$ 4,300,000			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design			250		200	150			600				
Land/Right-of-Way													
Construction				200			3,500		3,700				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS			250	200	200	150	3,500		4,300				
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper			250						250				
Certificates of Obligation													
Other													
Unfunded				200	200	150	3,500		4,050				
TOTAL SOURCES			250	200	200	150	3,500		4,300				

STRIP MAP

PROJECT SCHEDULE		START	FINISH
Design		3/2018	1/2021
Land/Right-of-Way			
Construction		5/2019	12/2022
Finish Out			
Other			
TOTAL SCHEDULE		3/2018	12/2022

PAGE NO: WW14		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*Amounts in 000's \$		COUNCIL DISTRICT(S) 1	
DEPARTMENT WASTEWATER COLLECTION				PROJECT TITLE S.H. 190 CATALYST AREA					PROJECT NO(S). 32187		ACCOUNT NO(S). 230-4149-3218700	
PROJECT DESCRIPTION This project identifies pipe restrictions and increases the capacity of the sanitary sewer system in the S.H. 190 Catalyst Area west of North Garland Road and north of the President George Bush Turnpike. One specific location identified requires a pipe under S.H. 190 near Campbell. Additional locations are to be identified for future developments.									FUNDING SOURCE(S)			
									Commercial Paper		\$ 600,000	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions Capital Total									TOTAL FUNDED		\$ 600,000	
									UNFUNDED		\$ 400,000	
									PROJECT TOTAL		\$ 1,000,000	
									STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		150							150			
Land/Right-of-Way												
Construction			450	400					850			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		150	450	400					1,000			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design	6/2016	9/2019
RB's/Com Paper		150	450						600	Land/Right-of-Way		
Certificates of Obligation										Construction	10/2018	12/2019
Other										Finish Out		
Unfunded				400					400	Other		
TOTAL SOURCES		150	450	400					1,000	TOTAL SCHEDULE	6/2016	12/2019

PAGE NO: WW15	<i>New Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST						*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			
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations 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.						STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total	
Design			250	555							805	
Land/Right-of-Way												
Construction					3,722						3,722	
Landscaping												
Equip. & Furnish.					341						341	
Other (Mgmt./Closeout)					522						522	
TOTAL COSTS			250	555	4,585						5,390	
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion			Total	
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper			250						250			
Certificates of Obligation												
Other												
Unfunded				555	4,585				5,140			
TOTAL SOURCES			250	555	4,585				5,390			
										PROJECT SCHEDULE	START	FINISH
										Design	3/2018	12/2019
										Land/Right-of-Way		
										Construction	1/2020	9/2020
										Finish Out	9/2020	12/2020
										Other		
										TOTAL SCHEDULE	3/2018	12/2020

PAGE NO: WW16	<i>New Project</i>	CITY OF GARLAND - 2018 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 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. Note: The project is split 50/50 between Water and Wastewater Collection. See Water's new project, #30239 - Sand Pit Cover.										FUNDING SOURCE(S)	
										Commercial Paper \$ 125,000	
										TOTAL FUNDED \$ 125,000	
										UNFUNDED \$	
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION A favorable impact to efficiencies is expected due to sand and base remaining usable.					TOTAL FUNDED \$ 125,000 UNFUNDED \$ PROJECT TOTAL \$ 125,000			
STRIP MAP											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		5						5			
Land/Right-of-Way											
Construction		120						120			
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		125						125			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 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	3/2018	5/2018
									Land/Right-of-Way		
									Construction	5/2018	12/2018
									Finish Out		
									Other		
TOTAL SCHEDULE									3/2018	12/2018	

PAGE NO: WW17		Continuing Project						CITY OF GARLAND - 2018 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 control, plant structures, and process improvements. Design work to replace the existing sand filters with cloth filters will begin in 2018, and construction will take place in 2019. The preliminary design for UV Disinfection will be performed in 2022. In 2023, major process improvements for the reduction in nutrient discharges, as mandated by the EPA/TCEQ, will begin.										FUNDING SOURCE(S) Revenue Bonds Issued \$ 2,014,148 Commercial Paper 4,770,000 TOTAL FUNDED \$ 6,784,148 UNFUNDED \$ 62,980,000 PROJECT TOTAL \$ 69,764,148					
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ 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.						STRIP MAP					
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Design		100	1,850	400	200	200	400	44,000	47,150						
Land/Right-of-Way															
Construction		2,125	2,459	11,445	2,775	1,645	1,515		21,964						
Landscaping															
Equip. & Furnish.		150	100	100	100	100	100		650						
Other															
TOTAL COSTS		2,375	4,409	11,945	3,075	1,945	2,015	44,000	69,764						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued															
GO's Unissued															
RB's/Com Paper		3,434	3,350						6,784						
Certificates of Obligation															
Other															
Unfunded				11,945	3,075	1,945	2,015	44,000	62,980						
TOTAL SOURCES		3,434	3,350	11,945	3,075	1,945	2,015	44,000	69,764						
										PROJECT SCHEDULE		START		FINISH	
										Design					
										Land/Right-of-Way					
										Construction					
										Finish Out					
										Other					
										TOTAL SCHEDULE		(Ongoing		Project)	

PAGE NO: WW18		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) 2															
DEPARTMENT WASTEWATER TREATMENT				PROJECT TITLE ROWLETT CREEK WWTP REPLACEMENTS/MODS.				PROJECT NO(S). 33029		ACCOUNT NO(S). 235-4195-3302900 230-4229-3302900															
PROJECT DESCRIPTION The objective of this program is to enhance reliability and extend the useful life of the City's existing wastewater treatment infrastructure through the time-phased replacement, rehabilitation, and disposal of facilities, systems, and equipment incapable of providing required levels of service due to either normal wear-and-tear, deterioration by physical or organic elements, new production or service demands, or obsolescence following continuing state-of-the-art advancements in the industry's technology. In 2018, an additional final lift pump will be added and the electrical gear will be updated in the Rowlett Creek Lift Station Electrical Building.										FUNDING SOURCE(S) <table> <tr> <td>Current Funds</td> <td>\$ 1,925,859</td> </tr> <tr> <td>Revenue Bonds Issued</td> <td>700,000</td> </tr> <tr> <td>Commercial Paper</td> <td>4,109,000</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td>TOTAL FUNDED</td> <td>\$ 6,734,859</td> </tr> <tr> <td>UNFUNDED</td> <td>\$ 6,720,000</td> </tr> <tr> <td>PROJECT TOTAL</td> <td>\$ 13,454,859</td> </tr> </table>		Current Funds	\$ 1,925,859	Revenue Bonds Issued	700,000	Commercial Paper	4,109,000			TOTAL FUNDED	\$ 6,734,859	UNFUNDED	\$ 6,720,000	PROJECT TOTAL	\$ 13,454,859
Current Funds	\$ 1,925,859																								
Revenue Bonds Issued	700,000																								
Commercial Paper	4,109,000																								
TOTAL FUNDED	\$ 6,734,859																								
UNFUNDED	\$ 6,720,000																								
PROJECT TOTAL	\$ 13,454,859																								
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ 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 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP															
Design		749	212	100	100	100	100	100	1,461																
Land/Right-of-Way																									
Construction		2,192	3,232	1,615	565	2,540	500	500	11,144																
Landscaping																									
Equip. & Furnish.			350	100	100	100	100	100	850																
Other																									
TOTAL COSTS		2,941	3,794	1,815	765	2,740	700	700	13,455																
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																
Current Funds		1,926							1,926																
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH													
GO's Unissued																									
RB's/Com Paper		3,059	1,750						4,809	Land/Right-of-Way															
Certificates of Obligation										Construction															
Other										Finish Out															
Unfunded				1,815	765	2,740	700	700	6,720	Other															
TOTAL SOURCES		4,985	1,750	1,815	765	2,740	700	700	13,455	TOTAL SCHEDULE	(Ongoing	Project)													

PAGE NO: WW19	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A																					
DEPARTMENT WASTEWATER TREATMENT			PROJECT TITLE DUCK CREEK WWTP REPLACEMENTS/MODS.					PROJECT NO(S). 34027	ACCOUNT NO(S). 235-4239-3402700 230-4239-3402700																						
PROJECT DESCRIPTION The objective of this program is to enhance reliability and extend the useful life of the City's existing wastewater treatment infrastructure through the time-phased replacement, rehabilitation, and disposal of facilities, systems, and equipment incapable of providing required levels of service due to either normal wear-and-tear, deterioration by physical or organic elements, new production or service demands, or obsolescence following continuing state-of-the-art advancements in the industry's technology. In 2018, the security fencing will be replaced, the preliminary evaluation for additional wet weather storage will be conducted, and the full treatment processes will be connected to backup generation.										FUNDING SOURCE(S) <table style="width:100%;"> <tr> <td>Current Funds</td> <td style="text-align: right;">\$ 2,260,000</td> </tr> <tr> <td>Commercial Paper</td> <td style="text-align: right;">1,465,000</td> </tr> <tr> <td>Interest</td> <td style="text-align: right;">326,000</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <td style="text-align: right;">TOTAL FUNDED</td> <td style="text-align: right; border-top: 1px solid black;">\$ 4,051,000</td> </tr> <tr> <td style="text-align: right;">UNFUNDED</td> <td style="text-align: right; border-top: 1px solid black;">\$ 6,600,000</td> </tr> <tr> <td style="text-align: right;">PROJECT TOTAL</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">\$ 10,651,000</td> </tr> </table>	Current Funds	\$ 2,260,000	Commercial Paper	1,465,000	Interest	326,000	 		TOTAL FUNDED	\$ 4,051,000	UNFUNDED	\$ 6,600,000	PROJECT TOTAL	\$ 10,651,000							
Current Funds	\$ 2,260,000																														
Commercial Paper	1,465,000																														
Interest	326,000																														
TOTAL FUNDED	\$ 4,051,000																														
UNFUNDED	\$ 6,600,000																														
PROJECT TOTAL	\$ 10,651,000																														
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ 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.							STRIP MAP																					
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																						
Design		100	400	100	100	100	100	100	1,000																						
Land/Right-of-Way																															
Construction		1,029	2,322	1,600	1,000	1,000	1,000	1,000	8,951																						
Landscaping																															
Equip. & Furnish.		100	100	100	100	100	100	100	700																						
Other																															
TOTAL COSTS		1,229	2,822	1,800	1,200	1,200	1,200	1,200	10,651																						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																						
Current Funds		260	2,000						2,260																						
GO's/Com Paper Issued																															
GO's Unissued																															
RB's/Com Paper		1,465							1,465																						
Certificates of Obligation																															
Other (Interest)		326							326																						
Unfunded				1,800	1,200	1,200	1,200	1,200	6,600																						
TOTAL SOURCES		2,051	2,000	1,800	1,200	1,200	1,200	1,200	10,651																						
										<table style="width:100%;"> <tr> <td>PROJECT SCHEDULE</td> <td>START</td> <td>FINISH</td> </tr> <tr> <td>Design</td> <td></td> <td></td> </tr> <tr> <td>Land/Right-of-Way</td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td></td> <td></td> </tr> <tr> <td>Finish Out</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td>TOTAL SCHEDULE</td> <td>(Ongoing</td> <td>Project)</td> </tr> </table>	PROJECT SCHEDULE	START	FINISH	Design			Land/Right-of-Way			Construction			Finish Out			Other			TOTAL SCHEDULE	(Ongoing	Project)
PROJECT SCHEDULE	START	FINISH																													
Design																															
Land/Right-of-Way																															
Construction																															
Finish Out																															
Other																															
TOTAL SCHEDULE	(Ongoing	Project)																													

PAGE NO: WW20	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 2																				
DEPARTMENT WASTEWATER TREATMENT			PROJECT TITLE ROWLETT CREEK WWTP BIOSOLIDS EXPANSION					PROJECT NO(S). 34035	ACCOUNT NO(S). 230-4229-3403500 237-4239-3403500																					
PROJECT DESCRIPTION This request provides funding for the design, installation, and construction of odor control and biosolids handling and treatment equipment. Upon completion of the building rehabilitation and equipment replacement, the biosolids process (dewatering building, centrifuges, rotary drum thickeners, and sludge tanks) will be fitted for odor control mechanisms.										FUNDING SOURCE(S) <table style="width:100%; border-collapse: collapse;"> <tr> <td>Certificates of Oblig. Issued</td> <td style="text-align: right;">\$ 93,504</td> </tr> <tr> <td>Revenue Bonds Issued</td> <td style="text-align: right;">4,790,659</td> </tr> <tr> <td>Current Funds</td> <td style="text-align: right;">3,330,000</td> </tr> <tr> <td>Commercial Paper</td> <td style="text-align: right;">19,000,000</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black; padding-top: 10px;"> TOTAL FUNDED \$ 27,214,163 </td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black; padding-top: 5px;"> UNFUNDED \$ 1,100,000 </td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black; border-bottom: 3px double black; padding-top: 5px;"> PROJECT TOTAL \$ 28,314,163 </td> </tr> </table>	Certificates of Oblig. Issued	\$ 93,504	Revenue Bonds Issued	4,790,659	Current Funds	3,330,000	Commercial Paper	19,000,000	TOTAL FUNDED \$ 27,214,163		UNFUNDED \$ 1,100,000		PROJECT TOTAL \$ 28,314,163							
Certificates of Oblig. Issued	\$ 93,504																													
Revenue Bonds Issued	4,790,659																													
Current Funds	3,330,000																													
Commercial Paper	19,000,000																													
TOTAL FUNDED \$ 27,214,163																														
UNFUNDED \$ 1,100,000																														
PROJECT TOTAL \$ 28,314,163																														
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION Due to increased sludge quantities, Operating Budget fund requirements will increase for dewatering chemicals, added electrical power demand of these new process units, and maintenance costs. These costs will be accounted for in the current Operating Budget.																											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP																					
Design	1,395							1,395																						
Land/Right-of-Way																														
Construction	25,819							25,819																						
Landscaping																														
Equip. & Furnish.					50	50	1,000	1,100																						
Other																														
TOTAL COSTS	27,214				50	50	1,000	28,314																						
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																						
Current Funds	3,330							3,330																						
GO's/Com Paper Issued																														
GO's Unissued																														
RB's/Com Paper	23,790							23,790																						
Certificates of Obligation	94							94																						
Other																														
Unfunded					50	50	1,000	1,100																						
TOTAL SOURCES	27,214				50	50	1,000	28,314																						
									<table style="width:100%; border-collapse: collapse;"> <tr> <td style="background-color: #f2f2f2; width:25%;">PROJECT SCHEDULE</td> <td style="background-color: #f2f2f2; width:25%;">START</td> <td style="background-color: #f2f2f2; width:25%;">FINISH</td> </tr> <tr> <td>Design</td> <td></td> <td></td> </tr> <tr> <td>Land/Right-of-Way</td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td></td> <td></td> </tr> <tr> <td>Finish Out</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 3px double black;">TOTAL SCHEDULE</td> <td style="border-top: 1px solid black; border-bottom: 3px double black;">(Ongoing</td> <td style="border-top: 1px solid black; border-bottom: 3px double black;">Project)</td> </tr> </table>	PROJECT SCHEDULE	START	FINISH	Design			Land/Right-of-Way			Construction			Finish Out			Other			TOTAL SCHEDULE	(Ongoing	Project)
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 - 2018 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. In 2018, the aeration basins will be modified to add additional air capacity. In 2021, the conversion from Dual Media Filters to Cloth Filter Media will commence with design, and in 2022, construction. Also in 2022, the preliminary design for UV Disinfection and major process improvements for the reduction in nutrient discharges, as mandated by the EPA/TCEQ, will begin.										FUNDING SOURCE(S) <table style="width:100%; border-collapse: collapse;"> <tr> <td>Certificates of Oblig. Issued</td> <td style="text-align: right;">\$ 282,379</td> </tr> <tr> <td>Revenue Bonds Issued</td> <td style="text-align: right;">1,088,614</td> </tr> <tr> <td>Current Funds</td> <td style="text-align: right;">397,664</td> </tr> <tr> <td>Commercial Paper</td> <td style="text-align: right;">7,035,000</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black; padding-top: 5px;"> TOTAL FUNDED </td> </tr> <tr> <td></td> <td style="text-align: right; border-top: 1px solid black;">\$ 8,803,657</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black; padding-top: 5px;"> UNFUNDED </td> </tr> <tr> <td></td> <td style="text-align: right; border-top: 1px solid black;">\$ 79,065,000</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black; padding-top: 5px;"> PROJECT TOTAL </td> </tr> <tr> <td></td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">\$ 87,868,657</td> </tr> </table>	Certificates of Oblig. Issued	\$ 282,379	Revenue Bonds Issued	1,088,614	Current Funds	397,664	Commercial Paper	7,035,000	TOTAL FUNDED			\$ 8,803,657	UNFUNDED			\$ 79,065,000	PROJECT TOTAL			\$ 87,868,657
Certificates of Oblig. Issued	\$ 282,379																													
Revenue Bonds Issued	1,088,614																													
Current Funds	397,664																													
Commercial Paper	7,035,000																													
TOTAL FUNDED																														
	\$ 8,803,657																													
UNFUNDED																														
	\$ 79,065,000																													
PROJECT TOTAL																														
	\$ 87,868,657																													
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ 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.							STRIP MAP																				
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																					
Design		100	200	1,900	200	100	6,000	1,000	9,500																					
Land/Right-of-Way																														
Construction		247	6,857		2,350	6,095	8,565	51,655	75,769																					
Landscaping																														
Equip. & Furnish.		500	900	300	300	300	300		2,600																					
Other																														
TOTAL COSTS		847	7,957	2,200	2,850	6,495	14,865	52,655	87,869																					
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total																					
Current Funds		398							398																					
GO's/Com Paper Issued																														
GO's Unissued																														
RB's/Com Paper		7,554	570						8,124																					
Certificates of Obligation		282							282																					
Other																														
Unfunded				2,200	2,850	6,495	14,865	52,655	79,065																					
TOTAL SOURCES		8,234	570	2,200	2,850	6,495	14,865	52,655	87,869																					
										PROJECT SCHEDULE	START	FINISH																		
										Design																				
										Land/Right-of-Way																				
										Construction																				
										Finish Out																				
										Other																				
										TOTAL SCHEDULE	(Ongoing	Project)																		

PAGE NO: WW22		Continuing Project						CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST		*Amounts in 000's \$		COUNCIL DISTRICT(S) 2			
DEPARTMENT WASTEWATER TREATMENT				PROJECT TITLE ROWLETT CREEK OPERATIONS CENTER RENOV.				PROJECT NO(S). 33031		ACCOUNT NO(S). 230-4229-3303100					
PROJECT DESCRIPTION The current Operations building is 30 years old and in need of renovation. This new renovation will provide more functionality for the Operations staff while addressing the need for additional capacity and modernizing the aging infrastructure.								FUNDING SOURCE(S) Commercial Paper \$ 7,700,000							
								TOTAL FUNDED \$ 7,700,000							
								UNFUNDED \$ 1,225,000							
								PROJECT TOTAL \$ 8,925,000							
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION											
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Design		149	603						752						
Land/Right-of-Way															
Construction			6,940	660					7,600						
Landscaping															
Equip. & Furnish.				545					545						
Other		3	5	20					28						
TOTAL COSTS		152	7,548	1,225					8,925						
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total						
Current Funds															
GO's/Com Paper Issued															
GO's Unissued															
RB's/Com Paper		2,500	5,200						7,700						
Certificates of Obligation															
Other															
Unfunded				1,225					1,225						
TOTAL SOURCES		2,500	5,200	1,225					8,925						
										PROJECT SCHEDULE		START		FINISH	
										Design		3/2017		12/2018	
										Land/Right-of-Way					
										Construction		2/2018		2/2019	
										Finish Out					
										Other					
TOTAL SCHEDULE										3/2017		2/2019			

PAGE NO: WW23	New Project CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) 2			
DEPARTMENT WASTEWATER TREATMENT			PROJECT TITLE ROWLETT CREEK ADMIN. BUILDING RENOVATION						PROJECT NO(S). 33032	ACCOUNT NO(S). 230-4229-3303200		
PROJECT DESCRIPTION The current Administration Building is over 25 years old, and the storage area does not meet the current needs of the Industrial Pretreatment staff. This new renovation will provide more functionality for the Administrative and Pretreatment staff while addressing storage needs and modernizing aging infrastructure.									FUNDING SOURCE(S)			
									Commercial Paper		\$	155,000
									TOTAL FUNDED		\$	155,000
									UNFUNDED		\$	1,195,000
PROJECT TOTAL		\$	1,350,000									
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION						STRIP MAP			
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Design		155						155				
Land/Right-of-Way												
Construction			1,195					1,195				
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		155	1,195					1,350				
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total				
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		155						155				
Certificates of Obligation												
Other												
Unfunded			1,195					1,195				
TOTAL SOURCES		155	1,195					1,350				
									PROJECT SCHEDULE	START	FINISH	
									Design	6/2018		
									Land/Right-of-Way			
									Construction	11/2018	6/2019	
									Finish Out			
									Other			
									TOTAL SCHEDULE	6/2018	6/2019	

Unapproved Submitted Projects

PAGE NO: WW24	<i>Unfunded Project</i>						*Amounts in 000's \$	COUNCIL DISTRICT(S) 2			
DEPARTMENT WASTEWATER TREATMENT			PROJECT TITLE ROWLETT CREEK MAINT. CENTER RENOVATIONS					PROJECT NO(S). 33030	ACCOUNT NO(S). 230-4229-3303000		
PROJECT DESCRIPTION The current Maintenance housing area is 20 years old and has outlived its useful life cycle. This new building will provide more functionality for the Maintenance staff while addressing the need for additional capacity and modernizing the aging infrastructure.								FUNDING SOURCE(S)			
								\$			
								TOTAL FUNDED	\$		
								UNFUNDED	\$	4,300,000	
								PROJECT TOTAL	\$	4,300,000	
								STRIP MAP			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): _____ ☒ Will Not Impact Personnel Operations _____ # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION								
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design			300	100				400			
Land/Right-of-Way											
Construction			500	3,000				3,500			
Landscaping											
Equip. & Furnish.				400				400			
Other											
TOTAL COSTS			800	3,500				4,300			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation											
Other											
Unfunded			800	3,500				4,300			
TOTAL SOURCES			800	3,500				4,300			
									PROJECT SCHEDULE	START	FINISH
									Design	3/2019	12/2020
									Land/Right-of-Way		
									Construction	6/2019	12/2020
									Finish Out		
									Other		
									TOTAL SCHEDULE	3/2019	12/2020

ELECTRIC DETAIL PROJECT SUMMARY
(Calendar Year 2018)
(In 000's Dollars)
APPROVED PROJECTS

PROJ. NO.	Project Description	Page	Funding Source	Thru 12/31/17	2018	2019	2020	2021	2022	2023 to Completion	Project Total
31387	Transmission Lines	E01	CF/RB/INT/UNF	\$23,275	\$23,926	\$35,830	\$20,270	\$10,050	\$800	\$0	\$114,151
31223	Communications Upgrades/Improvements	E02	CF/RB/UNF	1,051	307	100	500	0	0	0	1,958
31240	Residential Construction	E03	CF/UNF	827	1,083	995	995	995	995	0	5,890
31320	Commercial and Industrial Construction	E04	CF/RB/UNF	1,197	3,768	700	700	700	700	0	7,765
31460	Street and Thoroughfare Lighting	E05	CF/UNF	2,770	3,759	2,652	2,692	3,661	2,675	0	18,209
31491	Relocation of Facilities	E06	CF/UNF	863	1,445	1,650	900	900	900	0	6,658
31532	Distribution Lines - Overhead	E07	CF/RB/UNF	2,485	5,160	6,469	6,419	5,582	4,648	0	30,763
31551	Production	E08	CF	2,262	815	0	0	0	0	0	3,077
31624	Distribution Lines - Underground	E09	CF/RB/UNF	5,307	8,506	7,978	7,061	6,853	6,999	0	42,704
31717	Substations Upgrades	E10	CF/RB/UNF	13,558	40,685	10,209	6,760	2,721	1,070	0	75,003
31875	Various Improvements	E11	CF/RB/UNF	2,011	88	35	35	35	0	0	2,204
31424	Limestone to Gibbons Creek Transmission Line	E12	RB/UNF	107,086	44,879	0	0	0	0	0	151,965
Total				<u>\$162,692</u>	<u>\$134,421</u>	<u>\$66,618</u>	<u>\$46,332</u>	<u>\$31,497</u>	<u>\$18,787</u>	<u>\$0</u>	<u>\$460,347</u>
Total Existing CO's/RB's/Current Funds/Interest				\$162,692	\$69,383	\$0	\$0	\$0	\$0	\$0	\$232,075
Total 2018 Revenue Bonds/Commerical Paper				0	65,038	0	0	0	0	0	65,038
Unfunded				<u>0</u>	<u>0</u>	<u>66,618</u>	<u>46,332</u>	<u>31,497</u>	<u>18,787</u>	<u>0</u>	<u>163,234</u>
Total				<u>\$162,692</u>	<u>\$134,421</u>	<u>\$66,618</u>	<u>\$46,332</u>	<u>\$31,497</u>	<u>\$18,787</u>	<u>\$0</u>	<u>\$460,347</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 2018)
(In 000's Dollars)
DEBT ISSUANCE REQUIREMENTS

PROJ. NO.	Project Description	Page	Project Status	2018	2019	2020	2021	2022	2023 to Completion	Project Total
31387	Transmission Lines	E01	Appr.	\$7,735	\$35,830	\$20,270	\$10,050	\$800	\$0	\$74,685
31223	Communications Upgrades/Improvements	E02	Appr.	0	100	500	0	0	0	600
31240	Residential Construction	E03	Appr.	0	995	995	995	995	0	3,980
31320	Commercial and Industrial Construction	E04	Appr.	1,906	700	700	700	700	0	4,706
31460	Street and Thoroughfare Lighting	E05	Appr.	0	2,652	2,692	3,661	2,675	0	11,680
31491	Relocation of Facilities	E06	Appr.	0	1,650	900	900	900	0	4,350
31532	Distribution Lines - Overhead	E07	Appr.	3,227	6,469	6,419	5,582	4,648	0	26,345
31624	Distribution Lines - Underground	E09	Appr.	5,418	7,978	7,061	6,853	6,999	0	34,309
31717	Substations Upgrades	E10	Appr.	31,116	10,209	6,760	2,721	1,070	0	51,876
31885	Various Improvements	E11	Appr.	0	35	35	35	0	0	105
31424	Limestone to Gibbons Creek Transmission Line	E12	Appr.	15,636	0	0	0	0	0	15,636
Total				<u>\$65,038</u>	<u>\$66,618</u>	<u>\$46,332</u>	<u>\$31,497</u>	<u>\$18,787</u>	<u>\$0</u>	<u>\$228,272</u>
Total Approved				\$65,038	\$66,618	\$46,332	\$31,497	\$18,787	\$0	\$228,272
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>\$65,038</u>	<u>\$66,618</u>	<u>\$46,332</u>	<u>\$31,497</u>	<u>\$18,787</u>	<u>\$0</u>	<u>\$228,272</u>

PAGE NO: E01		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*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 proposed 2018 Transmission Lines Program consists of funding to upgrade the 69 kV system to 138 kV as a means to address load growth in the North Garland area. These upgrades include the Naaman to Apollo and College to Jupiter lines. Additional improvements to address load growth include the Lake Lavon crossing of the Olinger to Wylie transmission line circuits, the Wylie Switchyard to Firewheel transmission line upgrade that includes the Lake Ray Hubbard crossing of both the Wylie to Elm Grove and Wylie to Firewheel circuits, the Apollo to Lookout rebuild, and the Lookout to Firewheel rebuild.									FUNDING SOURCE(S)			
									Revenue Bonds Issued \$ 669,484 Interest 188,701 Commercial Paper Issue 44,507,934 Cash Transfer - GPL 1,835,000 TOTAL FUNDED \$ 47,201,119 UNFUNDED \$ 66,950,000 PROJECT TOTAL \$114,151,119			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION No impact to Operating Budget.					STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total
Design		232	2,240	750	1,590	450	200					5,462
Land/Right-of-Way		190	1,250	227	250	5,000						6,917
Construction		14,401	10,516	21,632	14,530	4,300	300					65,679
Landscaping			100	750	250							1,100
Equip. & Furnish.		8,452	9,081	12,221	3,600	300	300					33,954
Other			739	250	50							1,039
TOTAL COSTS		23,275	23,926	35,830	20,270	10,050	800					114,151
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion				Total
Current Funds			1,835						1,835			
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper		37,442	7,735						45,177	Land/Right-of-Way		
Certificates of Obligation										Construction		
Other (Interest)		189							189	Finish Out		
Unfunded				35,830	20,270	10,050	800		66,950	Other		
TOTAL SOURCES		37,631	9,570	35,830	20,270	10,050	800		114,151	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: E02		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*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 210-3699-3128901	
PROJECT DESCRIPTION The Communications Upgrades/Improvements Program for 2018 includes funding needed for software, hardware, and equipment upgrades to enhance overall reliability and performance of the GP&L system and ensure compliance with ERCOT and other regulatory requirements. The 2018 Program includes implementation of a market risk management software system in accordance with GP&L's business requirements as well as upgrades associated with the EMS/SCADA systems and control centers that regulate power flow and communication to and from ERCOT.									FUNDING SOURCE(S)			
									Commercial Paper Issue \$ 214,878 Current Funds 1,143,000			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION No impact to Operating Budget.					TOTAL FUNDED \$ 1,357,878			
									UNFUNDED \$ 600,000			
									PROJECT TOTAL \$ 1,957,878			
STRIP MAP												
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		900	243						1,143			
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.		151	64	100	500				815			
Other												
TOTAL COSTS		1,051	307	100	500				1,958			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		1,143							1,143			
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper		215							215	Land/Right-of-Way		
Certificates of Obligation										Construction		
Other										Finish Out		
Unfunded				100	500				600	Other		
TOTAL SOURCES		1,358		100	500				1,958	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 2018 Residential Construction Program provides funding for the construction of new residential facilities and the replacement of overhead and underground residential services as needed due to system aging and failures.											FUNDING SOURCE(S) Current Funds \$ 897,625 Cash Transfer - GPL 1,012,000 TOTAL FUNDED \$ 1,909,625 UNFUNDED \$ 3,980,000 PROJECT TOTAL \$ 5,889,625	
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION This is all new construction or replacement associated with residential construction which will require no normal maintenance for some time. This will not require additional personnel or operating funds for maintenance or installation.								STRIP MAP	
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		30	30	30	30	30	30		180			
Land/Right-of-Way												
Construction		382	482	482	482	482	482		2,792			
Landscaping												
Equip. & Furnish.		415	483	483	483	483	483		2,830			
Other			88						88			
TOTAL COSTS		827	1,083	995	995	995	995		5,890			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		898	1,012						1,910			
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation												
Other												
Unfunded				995	995	995	995		3,980			
TOTAL SOURCES		898	1,012	995	995	995	995		5,890			
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: E04		Continuing Project						*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 Funding included in the 2018 Commercial and Industrial Construction Program provides for the construction of overhead and underground electric distribution facilities required to provide electric service to commercial and industrial customers. Projects for 2018 include multi-use facilities, new businesses, and apartment complexes.								FUNDING SOURCE(S) Current Funds \$ 205,571 Commercial Paper Issue 3,638,631 Cash Transfer - GPL 1,121,000 TOTAL FUNDED \$ 4,965,202 UNFUNDED \$ 2,800,000 PROJECT TOTAL \$ 7,765,202			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____				IMPACT EXPLANATION This will not have an immediate impact on the Operating Budget, but it will require maintenance in the future.							
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design		350	366	175	175	175	175		1,416		
Land/Right-of-Way											
Construction		422	1,549	263	263	263	263		3,023		
Landscaping											
Equip. & Furnish.		425	1,547	262	262	262	262		3,020		
Other			306						306		
TOTAL COSTS		1,197	3,768	700	700	700	700		7,765		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds		205	1,121						1,326		
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper		1,733	1,906						3,639		
Certificates of Obligation											
Other											
Unfunded				700	700	700	700		2,800		
TOTAL SOURCES		1,938	3,027	700	700	700	700		7,765		
									STRIP MAP		
									PROJECT SCHEDULE		
									START		FINISH
									Design		
									Land/Right-of-Way		
									Construction		
									Finish Out		
									Other		
									TOTAL SCHEDULE		(Ongoing Project)

PAGE NO: E05	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) All	
DEPARTMENT ELECTRIC		PROJECT TITLE STREET AND THOROUGHFARE LIGHTING							PROJECT NO(S). 31460	ACCOUNT NO(S). 215-3299-3146001	
PROJECT DESCRIPTION The Street and Thoroughfare Lighting Program provides for the construction and relocation of street lights throughout the City as required in association with street construction and improvements. The 2018 CIP includes funding for the LED Street Light Conversion project to convert existing street lights to LED lighting, pole change-outs, and the installation of the Street Light Management Control System throughout the city.									FUNDING SOURCE(S)		
									Current Funds \$ 2,769,911		
									Cash Transfer - GPL 3,759,000		
									TOTAL FUNDED \$ 6,528,911		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION These projects do not impact the Operating Budget at this time, but maintenance will need to be conducted in the future. Adding the new LED lights will help lower the overall maintenance costs on the street and thoroughfare lights.						UNFUNDED \$ 11,680,000 PROJECT TOTAL \$ 18,208,911		
STRIP MAP											
*PROJECT COSTS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design	800	864	664	673	916	669		4,586			
Land/Right-of-Way											
Construction	819	1,295	995	1,010	1,373	1,004		6,496			
Landscaping											
Equip. & Furnish.	1,151	1,294	993	1,009	1,372	1,002		6,821			
Other		306						306			
TOTAL COSTS	2,770	3,759	2,652	2,692	3,661	2,675		18,209			
*SOURCE OF FUNDS	Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds	2,770	3,759						6,529			
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH
GO's Unissued									Design		
RB's/Com Paper									Land/Right-of-Way		
Certificates of Obligation									Construction		
Other									Finish Out		
Unfunded			2,652	2,692	3,661	2,675		11,680	Other		
TOTAL SOURCES	2,770	3,759	2,652	2,692	3,661	2,675		18,209	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: E06		<i>Continuing Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) All	
DEPARTMENT ELECTRIC			PROJECT TITLE RELOCATION OF FACILITIES					PROJECT NO(S). 31491		ACCOUNT NO(S). 215-3293-3149101	
PROJECT DESCRIPTION The Relocation of Facilities Program provides funding needed to relocate GP&L facilities as required by City street projects. Anticipated and ongoing relocations for 2018 include street work on median, thoroughfare, and side streets, as well as the relocation of electric distribution facilities along Oates Road, Glenbrook, Saturn Springs, and the Downtown area.										FUNDING SOURCE(S) Current Funds \$ 1,940,216 Cash Transfer - GPL 368,000	
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital Total _____			IMPACT EXPLANATION Relocation does not normally affect maintenance but may reduce future maintenance costs due to replacement of older facilities.							TOTAL FUNDED \$ 2,308,216 UNFUNDED \$ 4,350,000 PROJECT TOTAL \$ 6,658,216	
STRIP MAP											
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Design		203	519	225	225	225	225		1,622		
Land/Right-of-Way											
Construction		330	404	713	338	338	338		2,461		
Landscaping											
Equip. & Furnish.		330	404	712	337	337	337		2,457		
Other			118						118		
TOTAL COSTS		863	1,445	1,650	900	900	900		6,658		
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total		
Current Funds		1,940	368						2,308		
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation											
Other											
Unfunded				1,650	900	900	900		4,350		
TOTAL SOURCES		1,940	368	1,650	900	900	900		6,658		
									PROJECT SCHEDULE	START	FINISH
									Design		
									Land/Right-of-Way		
									Construction		
									Finish Out		
									Other		
TOTAL SCHEDULE									(Ongoing	Project)	

PAGE NO: E07		<i>Continuing Project</i>		CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST					*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 provides for the construction of overhead feeder lines and the installation of transformers where necessary to meet load growth due to residential, commercial, and industrial expansion within the GP&L service area, as well as overhead line replacements due to age and/or failures that affect system reliability. Funding for 2018 will be used to upgrade several single-phase laterals identified through faults that occurred in the system, a feeder rebuild of Shiloh-6, a partial feeder rebuild of Shiloh-5, and a feeder extension to support increased commercial and residential loads. Other projects include wooden pole replacements with steel poles in feeder lines to improve system reliability and power factor corrections on five identified feeders to improve system efficiency.									FUNDING SOURCE(S)			
									Current Funds		\$ 1,683,913	
									Cash Transfer - GPL		1,130,000	
									Commercial Paper Issue		4,830,670	
TOTAL FUNDED		\$ 7,644,583										
UNFUNDED		\$ 23,118,000										
PROJECT TOTAL		\$ 30,762,583										
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____									IMPACT EXPLANATION This Program should have a positive impact due to a reduction in maintenance and repair hours resulting from improved reliability and access to facilities.			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		819	1,185	1,617	1,604	1,396	1,162		7,783			
Land/Right-of-Way												
Construction		676	1,778	2,426	2,408	2,093	1,743		11,124			
Landscaping												
Equip. & Furnish.		990	1,776	2,426	2,407	2,093	1,743		11,435			
Other			421						421			
TOTAL COSTS		2,485	5,160	6,469	6,419	5,582	4,648		30,763			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		1,684	1,130						2,814			
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		1,604	3,227						4,831			
Certificates of Obligation												
Other												
Unfunded				6,469	6,419	5,582	4,648		23,118			
TOTAL SOURCES		3,288	4,357	6,469	6,419	5,582	4,648		30,763			
									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). 215-3449-3158601		
PROJECT DESCRIPTION The Production Program provides funding for generation plant reliability improvements. For 2018, the program requests funding to replace the natural gas monitoring and control system, the cooling water intake system, and a station air compressor at the Olinger Power Station.										FUNDING SOURCE(S) Current Funds \$ 2,262,000 Cash Transfer - GPL 815,000 TOTAL FUNDED \$ 3,077,000 UNFUNDED \$ PROJECT TOTAL \$ 3,077,000		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____				IMPACT EXPLANATION No impact to Operating Budget.								
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design		1,325	120						1,445			
Land/Right-of-Way												
Construction		283	147						430			
Landscaping												
Equip. & Furnish.		654	471						1,125			
Other			77						77			
TOTAL COSTS		2,262	815						3,077			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		2,262	815						3,077			
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper										Land/Right-of-Way		
Certificates of Obligation										Construction		
Other										Finish Out		
Unfunded										Other		
TOTAL SOURCES		2,262	815						3,077	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: E09		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) All		
DEPARTMENT ELECTRIC				PROJECT TITLE DISTRIBUTION LINES - UNDERGROUND				PROJECT NO(S). 31624 31625		ACCOUNT NO(S). 215-3299-3162401 210-3299-3162501		
PROJECT DESCRIPTION The Distribution Lines - Underground Program provides funding to replace primary underground cable and construct new underground distribution primary cables in locations where overhead construction is prohibited. Projects for 2018 include underground construction to support new commercial load, conversion of overhead lines to underground lines located at English and Sussex (Phase 2), and the installation of underground lines in subdivisions including Gramercy Park, Lyoncrest 3, and Hidden Oaks. Additionally, this program includes the replacement of faulted/aging cable and electrical equipment throughout the distribution system. Finally, this program includes projects associated with 69 kV to 138 kV Transmission Lines conversion and the installation of a new duct bank located at Holford and PGBT to support additional load growth in North Garland.								FUNDING SOURCE(S)				
								Current Funds \$ 882,996 Commercial Paper Issue 11,283,375 Cash Transfer - GPL 1,647,000 TOTAL FUNDED \$ 13,813,371 UNFUNDED \$ 28,891,000 PROJECT TOTAL \$ 42,704,371				
IMPACT ON OPERATING BUDGET ☒ Will Impact Annual Cost/(Savings): ☐ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____				IMPACT EXPLANATION This Program should have a positive impact due to a reduction in maintenance and repair hours resulting from improved reliability and access to facilities.								
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total	STRIP MAP		
Design		958	1,958	1,996	1,766	1,715	1,751		10,144			
Land/Right-of-Way												
Construction		2,051	2,934	2,991	2,648	2,569	2,624		15,817			
Landscaping												
Equip. & Furnish.		2,298	2,933	2,991	2,647	2,569	2,624		16,062			
Other			681						681			
TOTAL COSTS		5,307	8,506	7,978	7,061	6,853	6,999		42,704			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		883	1,647						2,530			
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design		
RB's/Com Paper		5,865	5,418						11,283	Land/Right-of-Way		
Certificates of Obligation										Construction		
Other										Finish Out		
Unfunded				7,978	7,061	6,853	6,999		28,891	Other		
TOTAL SOURCES		6,748	7,065	7,978	7,061	6,853	6,999		42,704	TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: E10	<i>Continuing Project</i>	CITY OF GARLAND - 2018 CAPITAL PROJECT REQUEST							*Amounts in 000's \$	COUNCIL DISTRICT(S) All		
DEPARTMENT ELECTRIC		PROJECT TITLE SUBSTATIONS UPGRADES						PROJECT NO(S). 31717	ACCOUNT NO(S). 210-3299-3171501			
PROJECT DESCRIPTION The Substations Upgrades Program for 2018 includes funding for upgrades to the Ben Davis Substation related to flood mitigation and site security, the addition of the new Holford Switchyard, construction of a new transmission switchyard to provide additional transmission feed to the Greenville area, and construction of a new transmission switchyard associated with a proposed solar farm connected to GP&L's CREZ transmission line. Also included is funding to begin the upgrade of 69 kV substation equipment to 138 kV to complement the Transmission Lines Program needed to address load growth in the North Garland area.									FUNDING SOURCE(S) Revenue Bonds Issued \$ 261,089 Commercial Paper Issue 52,826,662 Current Funds 1,154,736			
									TOTAL FUNDED <u>\$ 54,242,487</u> UNFUNDED <u>\$ 20,760,000</u> PROJECT TOTAL <u><u>\$ 75,002,487</u></u>			
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel # of Positions Operations Capital Total			IMPACT EXPLANATION No impact to Operating Budget.							STRIP MAP		
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design		282	2,151	1,455	295	105	105		4,393			
Land/Right-of-Way												
Construction		5,255	18,240	4,685	3,576	726	326		32,808			
Landscaping												
Equip. & Furnish.		4,704	19,376	4,069	2,889	1,890	639		33,567			
Other		3,317	918						4,235			
TOTAL COSTS		13,558	40,685	10,209	6,760	2,721	1,070		75,003			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds		1,155							1,155			
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		21,972	31,116						53,088			
Certificates of Obligation												
Other												
Unfunded				10,209	6,760	2,721	1,070		20,760			
TOTAL SOURCES		23,127	31,116	10,209	6,760	2,721	1,070		75,003			
										PROJECT SCHEDULE Design	START	FINISH
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										TOTAL SCHEDULE	(Ongoing	Project)

PAGE NO: E11		Continuing Project						*Amounts in 000's \$		COUNCIL DISTRICT(S) All			
DEPARTMENT ELECTRIC			PROJECT TITLE VARIOUS IMPROVEMENTS					PROJECT NO(S). 31875 31884		ACCOUNT NO(S). 215-3299-3189801 217-3699-3188501			
PROJECT DESCRIPTION Included in the Various Improvements Program for 2018 is funding for minor projects associated with the GP&L Distribution Service Center building and the replacement of aging meter test boards in the Distribution Metering Group.								FUNDING SOURCE(S) Current Funds \$ 1,420,010 Revenue Bonds Issued 254,152 Commercial Paper Issue 386,927 Cash Transfer - GPL 38,000 TOTAL FUNDED \$ 2,099,089 UNFUNDED \$ 105,000 PROJECT TOTAL \$ 2,204,089					
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION No impact to Operating Budget.					STRIP MAP					
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Design		299											299
Land/Right-of-Way													
Construction		866											866
Landscaping													
Equip. & Furnish.		846	85	35	35	35							1,036
Other			3										3
TOTAL COSTS		2,011	88	35	35	35							2,204
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022					2023 to Completion	Total
Current Funds		1,420	38						1,458				
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper		641							641				
Certificates of Obligation													
Other													
Unfunded				35	35	35			105				
TOTAL SOURCES		2,061	38	35	35	35			2,204				
PROJECT SCHEDULE		START		FINISH									
Design													
Land/Right-of-Way													
Construction													
Finish Out													
Other													
TOTAL SCHEDULE		(Ongoing		Project)									

PAGE NO: E12	Continuing Project							*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A			
DEPARTMENT ELECTRIC			PROJECT TITLE LIMESTONE TO GIBBONS CREEK TRANS. LINE						PROJECT NO(S). 31424	ACCOUNT NO(S). 208-3593-3142401		
PROJECT DESCRIPTION ERCOT estimates through population and industrial growth projections that demand for electricity will outstrip supply in the Houston area by 2018. To address this need, ERCOT designated Cross Timbers Texas Transmission and GP&L to construct approximately 70 miles of new 345 kV double-circuit transmission lines from Limestone to Gibbons Creek.									FUNDING SOURCE(S)			
									Commercial Paper Issue		\$151,964,800	
									TOTAL FUNDED	\$151,964,800		
									UNFUNDED	\$ 0		
IMPACT ON OPERATING BUDGET ☐ Will Impact Annual Cost/(Savings): ☒ Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION This is new construction which will not require normal maintenance for some time. This will not require additional personnel or operating funds for installation.						PROJECT TOTAL \$151,964,800			
									STRIP MAP			
*PROJECT COSTS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Design												
Land/Right-of-Way												
Construction		107,086	44,879						151,965			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		107,086	44,879						151,965			
*SOURCE OF FUNDS		Thru 12-2017	2018	2019	2020	2021	2022	2023 to Completion	Total			
Current Funds												
GO's/Com Paper Issued										PROJECT SCHEDULE	START	FINISH
GO's Unissued										Design	4/2015	12/2018
RB's/Com Paper		136,329	15,636						151,965	Land/Right-of-Way	11/2015	11/2015
Certificates of Obligation										Construction	1/2016	12/2018
Other										Finish Out	8/2018	12/2018
Unfunded										Other		
TOTAL SOURCES		136,329	15,636						151,965	TOTAL SCHEDULE	4/2015	12/2018

APPENDICES

Appendix A

Ordinance Adopting 2018 CIP (Ordinance No. 6958)

ORDINANCE NO. 6958

AN ORDINANCE OF THE CITY OF GARLAND, TEXAS, APPROVING AND ADOPTING THE CAPITAL IMPROVEMENT PROGRAM FOR 2018, PROVIDING BUDGETARY APPROPRIATIONS FOR THE VARIOUS CAPITAL FUNDS OF THE CITY, AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, on January 16, 2017, the City Manager submitted a Proposed Capital Improvement Program (CIP) for the City for 2018; 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 6, 2018, and February 20, 2018, 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 2018, 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	\$ 10,856,000
Project Appropriations	
B. Street/Transportation	35,661,000
Project Appropriations	
C. Drainage	7,202,000
Project Appropriations	
D. Library	4,898,000
Project Appropriations	

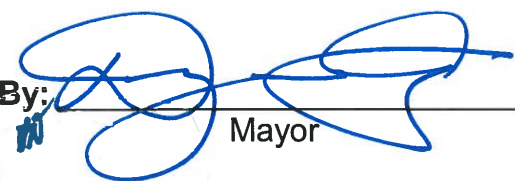
E. Public Safety Project Appropriations	\$5,156,000
F. Economic Development Project Appropriations	10,750,000
G. Municipal Facilities and Miscellaneous Project Appropriations	8,068,000
H. Landfill/Transfer Station Project Appropriations	2,448,000
I. Environmental Waste Services Project Appropriations	4,013,000
J. Stormwater Management Project Appropriations	1,131,000
K. Internal Services Project Appropriations	1,510,000
L. Water Project Appropriations	24,838,000
M. Wastewater Project Appropriations	40,299,000
N. Electric Project Appropriations	134,421,000

Section 2

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

PASSED AND APPROVED this 20th day of February, 2018.

THE CITY OF GARLAND, TEXAS

By: 

Mayor

ATTEST:


City Secretary

Appendix B

2017 CIP Amendments

Ordinance No. 6919

Ordinance No. 6932

ORDINANCE NO. 6919

AN ORDINANCE AUTHORIZING AN AMENDMENT TO THE 2017 CAPITAL IMPROVEMENT PROGRAM (2017 CIP AMENDMENT NO. 1), PROVIDING FOR THE SUPPLEMENTAL APPROPRIATION OF FUNDS IN THE BRIDGE REMEDIATION PROJECT; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council approved the 2017 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 Bridge Remediation 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 2017 Capital Improvement Program in the amount of \$958,614 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. 6888, Section 1 (C), adjusting appropriations of \$958,614 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 18th day of July, 2017.

THE CITY OF GARLAND, TEXAS

By: 

Mayor Pro Tem

ATTEST:



City Secretary



ORDINANCE NO. 6932

AN ORDINANCE AUTHORIZING AN AMENDMENT TO THE 2017 CAPITAL IMPROVEMENT PROGRAM, PROVIDING FOR THE SUPPLEMENTAL APPROPRIATION OF FUNDS IN THE ELECTRIC UTILITY PROGRAM; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council approved the 2017 Capital Improvement Program and appropriated the necessary funds for the approved 2017 CIP budget 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, the City Council has determined it necessary and beneficial to amend the 2017 Capital Improvement Program for changes to appropriations in the Electric Utility Program;

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 2017 Capital Improvement Program in the amount of \$29,242,800 as shown in Exhibit "A" ("Policy Report"), which is attached hereto and incorporated herein by reference.

Section 2

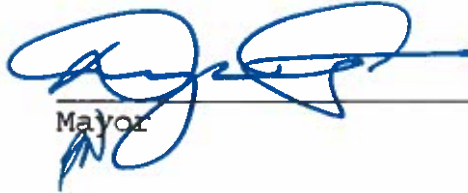
The City Council of the City of Garland, Texas, hereby amends Ordinance No. 6888, Section N, adjusting appropriations of \$29,242,800 for the purposes specified in the Policy Report.

Section 3

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

PASSED AND APPROVED this the 5th day of September, 2017.

CITY OF GARLAND, TEXAS



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 & Recreation Facilities and Improvements.

Proposition No. 6

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

Proposition No. 7

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

Proposition No. 8

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

Voted and Approved May 4, 1991

Proposition No. 1

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

Proposition No. 2

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

Proposition No. 3

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

Appendix D

Summary of Programs

[illegible]

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023 to Completion</u>	<u>Total Request</u>
<u>PUBLIC SAFETY</u>							
Prior Approved G.O./C.P.	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Debt G.O./C.P.	0	0	0	0	0	1,025	1,025
New Debt C.O.	3,389	0	0	0	0	0	3,389
Other Sources	1,767	0	0	0	0	0	1,767
Unfunded	<u>0</u>	<u>6,113</u>	<u>6,994</u>	<u>12,704</u>	<u>9,540</u>	<u>14,999</u>	<u>50,350</u>
	<u>\$5,156</u>	<u>\$6,113</u>	<u>\$6,994</u>	<u>\$12,704</u>	<u>\$9,540</u>	<u>\$16,024</u>	<u>\$56,531</u>
<u>ECONOMIC DEVELOPMENT</u>							
Prior Approved G.O./C.P.	\$612	\$0	\$0	\$0	\$0	\$0	\$612
New Debt G.O./C.P.	542	1,578	734	156	0	4,790	7,800
New Debt C.O.	404	0	0	0	0	0	404
Other Sources	9,192	108	0	0	0	360	9,660
Unfunded	<u>0</u>	<u>866</u>	<u>5,050</u>	<u>2,428</u>	<u>458</u>	<u>0</u>	<u>8,802</u>
	<u>\$10,750</u>	<u>\$2,552</u>	<u>\$5,784</u>	<u>\$2,584</u>	<u>\$458</u>	<u>\$5,150</u>	<u>\$27,278</u>
<u>MUNICIPAL FACILITIES & MISC. TAX SUPPORTED</u>							
New Debt C.O.	\$3,599	\$0	\$0	\$0	\$0	\$0	\$3,599
Other Sources	4,469	583	250	38	0	0	5,340
Unfunded	<u>0</u>	<u>2,681</u>	<u>1,900</u>	<u>2,012</u>	<u>2,140</u>	<u>775</u>	<u>9,508</u>
	<u>\$8,068</u>	<u>\$3,264</u>	<u>\$2,150</u>	<u>\$2,050</u>	<u>\$2,140</u>	<u>\$775</u>	<u>\$18,447</u>
<u>LANDFILL/TRANSFER STATION</u>							
New Debt C.O.	\$1,352	\$0	\$0	\$0	\$0	\$0	\$1,352
Other Sources	1,096	0	0	0	0	0	1,096
Unfunded	<u>0</u>	<u>5,059</u>	<u>2,497</u>	<u>1,525</u>	<u>3,814</u>	<u>1,407</u>	<u>14,302</u>
	<u>\$2,448</u>	<u>\$5,059</u>	<u>\$2,497</u>	<u>\$1,525</u>	<u>\$3,814</u>	<u>\$1,407</u>	<u>\$16,750</u>

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023 to Completion</u>	<u>Total Request</u>
<u>TOTAL GENERAL FUND</u>							
Prior Approved G.O./C.P.	\$12,858	\$2,347	\$313	\$0	\$0	\$108	\$15,626
New Debt G.O./C.P.	4,752	13,498	3,316	10,388	5,569	54,067	91,590
New Debt C.O.	28,183	0	0	0	0	0	28,183
Other Sources	39,246	9,528	6,649	1,038	0	360	56,821
Total Funded Projects	\$85,039	\$25,373	\$10,278	\$11,426	\$5,569	\$54,535	\$192,220
Unfunded	0	38,672	42,122	35,693	45,856	29,084	191,427
TOTAL	<u>\$85,039</u>	<u>\$64,045</u>	<u>\$52,400</u>	<u>\$47,119</u>	<u>\$51,425</u>	<u>\$83,619</u>	<u>\$383,647</u>

INTERNAL SERVICE

New Debt C.O.	\$450	\$0	\$0	\$0	\$0	\$0	\$450
Other Sources	1,060	30	0	0	0	0	1,090
Unfunded	0	558	588	463	0	0	1,609
	<u>\$1,510</u>	<u>\$588</u>	<u>\$588</u>	<u>\$463</u>	<u>\$0</u>	<u>\$0</u>	<u>\$3,149</u>

TOTAL INTERNAL SERVICE

New Debt C.O.	\$450	\$0	\$0	\$0	\$0	\$0	\$450
Other Sources	1,060	30	0	0	0	0	1,090
Total Funded Projects	\$1,510	\$30	\$0	\$0	\$0	\$0	\$1,540
Unfunded	0	558	588	463	0	0	1,609
TOTAL	<u>\$1,510</u>	<u>\$588</u>	<u>\$588</u>	<u>\$463</u>	<u>\$0</u>	<u>\$0</u>	<u>\$3,149</u>

EWS GROUP - DELIVERY

New Debt C.O.	\$3,353	\$0	\$0	\$0	\$0	\$0	\$3,353
Other Sources	660	0	0	0	0	0	660
Unfunded	0	2,631	2,557	3,407	3,487	401	12,483
	<u>\$4,013</u>	<u>\$2,631</u>	<u>\$2,557</u>	<u>\$3,407</u>	<u>\$3,487</u>	<u>\$401</u>	<u>\$16,496</u>

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023 to Completion</u>	<u>Total Request</u>
<u>STORMWATER MANAGEMENT</u>							
New Debt C.O.	\$1,131	\$0	\$0	\$0	\$0	\$0	\$1,131
Other Sources	0	0	0	0	0	0	0
Unfunded	<u>0</u>	<u>500</u>	<u>500</u>	<u>500</u>	<u>500</u>	<u>0</u>	<u>2,000</u>
	<u>\$1,131</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$0</u>	<u>\$3,131</u>
<u>WATER</u>							
New Debt C.P.	\$12,500	\$0	\$0	\$0	\$0	\$0	\$12,500
Prior Approved C.P.	12,338	281	0	0	0	0	12,619
Other Sources	0	0	0	0	0	0	0
Unfunded	<u>0</u>	<u>13,530</u>	<u>16,560</u>	<u>14,175</u>	<u>14,975</u>	<u>1,750</u>	<u>60,990</u>
	<u>\$24,838</u>	<u>\$13,811</u>	<u>\$16,560</u>	<u>\$14,175</u>	<u>\$14,975</u>	<u>\$1,750</u>	<u>\$86,109</u>
<u>WASTEWATER</u>							
New Debt C.P.	\$21,575	\$0	\$0	\$0	\$0	\$0	\$21,575
Prior Approved C.P.	16,704	731	100	100	0	0	17,635
Other Sources	2,020	20	40	0	0	0	2,080
Unfunded	<u>0</u>	<u>32,955</u>	<u>25,770</u>	<u>19,555</u>	<u>30,350</u>	<u>99,555</u>	<u>208,185</u>
	<u>\$40,299</u>	<u>\$33,706</u>	<u>\$25,910</u>	<u>\$19,655</u>	<u>\$30,350</u>	<u>\$99,555</u>	<u>\$249,475</u>
<u>ELECTRIC</u>							
New Debt C.P.	\$65,038	\$0	\$0	\$0	\$0	\$0	\$65,038
Prior Approved C.P.	57,658	0	0	0	0	0	57,658
Other Sources	11,725	0	0	0	0	0	11,725
Unfunded	<u>0</u>	<u>66,618</u>	<u>46,332</u>	<u>31,497</u>	<u>18,787</u>	<u>0</u>	<u>163,234</u>
	<u>\$134,421</u>	<u>\$66,618</u>	<u>\$46,332</u>	<u>\$31,497</u>	<u>\$18,787</u>	<u>\$0</u>	<u>\$297,655</u>

SUMMARY OF PROGRAMS
(In 000's Dollars)

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023 to Completion</u>	<u>Total Request</u>
<u>TOTAL UTILITY FUNDS</u>							
New Debt C.P.	\$99,113	\$0	\$0	\$0	\$0	\$0	\$99,113
Prior Approved C.P.	86,700	1,012	100	100	0	0	87,912
New Debt C.O.	4,484	0	0	0	0	0	4,484
Other Sources	<u>14,405</u>	<u>20</u>	<u>40</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>14,465</u>
Total Funded Projects	\$204,702	\$1,032	\$140	\$100	\$0	\$0	\$205,974
Unfunded	<u>0</u>	<u>116,234</u>	<u>91,719</u>	<u>69,134</u>	<u>68,099</u>	<u>101,706</u>	<u>446,892</u>
TOTAL	<u>\$204,702</u>	<u>\$117,266</u>	<u>\$91,859</u>	<u>\$69,234</u>	<u>\$68,099</u>	<u>\$101,706</u>	<u>\$652,866</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	\$5,057	46.6%	\$5,617	51.7%	\$182	1.7%	\$10,856
Street/Transportation	15,861	44.5%	17,793	49.9%	2,007	5.6%	35,661
Drainage	4,543	63.1%	2,659	36.9%	0	0.0%	7,202
Library	3,798	77.5%	1,100	22.5%	0	0.0%	4,898
Public Safety	1,767	34.3%	0	0.0%	3,389	65.7%	5,156
Economic Development	9,727	91.1%	864	8.1%	82	0.8%	10,673
Landfill/Transfer Station	761	31.1%	545	22.3%	1,142	46.7%	2,448
Other	4,191	51.9%	2,029	25.0%	1,848	22.9%	8,068
Total	<u>\$45,705</u>	<u>53.8%</u>	<u>\$30,607</u>	<u>36.0%</u>	<u>\$8,650</u>	<u>10.2%</u>	<u>\$84,962</u>
Internal Service	\$1,060	70.2%	\$250	16.6%	\$200	13.2%	\$1,510
EWS Group - Delivery	591	14.7%	69	1.7%	3,353	83.6%	4,013
Stormwater Management	0	0.0%	0	0.0%	1,131	100.0%	1,131
Water	12,338	49.7%	12,125	48.8%	375	1.5%	24,838
Wastewater	16,704	41.5%	22,815	56.6%	780	1.9%	40,299
Electric	57,658	42.9%	76,763	57.1%	0	0.0%	134,421
Total	<u>\$88,351</u>	<u>42.8%</u>	<u>\$112,022</u>	<u>54.3%</u>	<u>\$5,839</u>	<u>2.8%</u>	<u>\$206,212</u>
Grand Total	<u><u>\$134,056</u></u>	<u><u>46.0%</u></u>	<u><u>\$142,629</u></u>	<u><u>49.0%</u></u>	<u><u>\$14,489</u></u>	<u><u>5.0%</u></u>	<u><u>\$291,174</u></u>

CIP FUND ALLOCATION BY PROJECT 2018

		Page	Existing Funding	Continuation Funding	New Project Funding	Project Total
<u>Park</u>						
18213	Atrium Renovations	P01	\$12,000			\$12,000
18209	Trail Development	P02	746,000	\$1,909,000		2,655,000
18320	Granger Recreation Center & Annex Renovation	P04	1,304,000	1,183,000		2,487,000
18325	Audubon Recreation Center Expansion	P05	144,000			144,000
18330	Skating/Skateboard Facility	P08	386,000	640,000		1,026,000
18331	Expand Centralized Irrigation/Lighting Control	P09	140,000			140,000
18337	Windsurf Bay Park	P13	150,000			150,000
18338	Playground Improvements	P14	978,000			978,000
18345	Repaving of Parking Lots for Parks Dept.	P15	37,000	665,000		702,000
18346	Park Operations Facility Improvements	P16	75,000			75,000
18347	Dog Park	P17	285,000	700,000		985,000
18348	Park Lighting Improvements - Parking Lots	P18	96,000	40,000		136,000
18350	Fencing - Audubon and Winters Soccer Complex	P19	140,000			140,000
18351	Pedestrian/Bike Bridges - Duck Creek	P20	225,000			225,000
18352	Granville Arts Center - Art Sculpture	P21	34,000			34,000
18353	Carter Softball Facility Canopy Replacement	P22	180,000			180,000
18354	Greenbelt Drainage Improvements	P23	125,000	480,000		605,000
18357	Cultural Arts Facilities Renovations	P24			\$182,000	182,000
Total Park			<u>\$5,057,000</u>	<u>\$5,617,000</u>	<u>\$182,000</u>	<u>\$10,856,000</u>
<u>Street/Transportation</u>						
14176	New Sidewalks	ST01	\$350,000	\$200,000		\$550,000
14200	Street and Alley Petition	ST02	125,000			125,000
14202	Sidewalk / Curb & Gutter Participation	ST03		380,000		380,000
14261	Oates Road - Broadway to Rosehill	ST05	1,150,000			1,150,000
14272	Bobtown Road - Rowlett to Waterhouse	ST09	336,000	589,000		925,000
14273	Brand Road - S.H. 190 to Muirfield	ST10		50,000		50,000
14288	Shiloh Road - I.H. 635 to Kingsley	ST11	4,251,000	160,000		4,411,000
14292	Pleasant Valley Road - Richfield to Miles	ST12	3,965,000	6,155,000		10,120,000
14301	Screen Wall Reconstruction	ST13	100,000			100,000
14302	Naaman School / Brand Alignment Study	ST14	450,000			450,000
14303	Waterhouse - Bobtown to Hayman	ST15	150,000	100,000		250,000
14305	Holford Road - PGBT to Creekwood	ST16	50,000	250,000		300,000
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			\$1,000,000	1,000,000
15640	Operational and Safety Improvements	ST20	407,000			407,000
15219	Miscellaneous Equipment and Services	ST21	48,000			48,000
15600	New Traffic Signal Installations	ST22	138,000			138,000
15544	LED Replacement Program	ST23		50,000		50,000
15530	Traffic Control System	ST24	255,000	630,000		885,000
15547	Emergency Services Signal Equipment	ST25	31,000			31,000
15578	Railroad Crossing Improvements	ST26	100,000			100,000
15620	Signal Equipment Modernizations	ST28	226,000	871,000		1,097,000
14304	LBJ Sound Wall Aesthetics	ST30	91,000			91,000
14307	Transit Pass - Bottleneck Improvements	ST31	500,000	288,000		788,000
39818	Street Reconstruction and Improvements	ST32	2,568,000	8,070,000		10,638,000
39833	Linda Drive - Cumberland Dr. to Dairy Rd.	ST33			331,000	331,000
39834	High Hollow Drive - High Grove to High Mesa	ST34			172,000	172,000
39835	Freemont Drive - Miller to Southwood	ST35			347,000	347,000
39836	Alto Drive - Curtis Drive to Dairy Road	ST36			157,000	157,000
Total Street/Transportation			<u>\$15,861,000</u>	<u>\$17,793,000</u>	<u>\$2,007,000</u>	<u>\$35,661,000</u>

CIP FUND ALLOCATION BY PROJECT 2018

		Page	Existing Funding	Continuation Funding	New Project Funding	Project Total
<u>Drainage</u>						
14230	Miscellaneous Flooding	D01	\$367,000	\$98,000		\$465,000
14231	Petition Drainage	D02	200,000			200,000
14246	Parkmont Drive	D05	1,373,000	1,745,000		3,118,000
14248	Bridge Remediation	D06	2,580,000	816,000		3,396,000
14299	Downtown Drainage Improvements	D07	23,000			23,000
	Total Drainage		<u>\$4,543,000</u>	<u>\$2,659,000</u>	<u>\$0</u>	<u>\$7,202,000</u>
<u>Library</u>						
19581	Facilities Upgrades	L01	\$520,000			\$520,000
19584/5	Central Library Life and Safety Upgrades	L02	1,763,000	\$800,000		2,563,000
19587	RFID Service Delivery	L03	1,515,000	300,000		1,815,000
	Total Library		<u>\$3,798,000</u>	<u>\$1,100,000</u>	<u>\$0</u>	<u>\$4,898,000</u>
<u>Public Safety</u>						
12032	Fire Station No. 5	PS01	\$358,000			\$358,000
12107	Ambulance Remounts	PS04	132,000		\$1,561,000	1,693,000
12058	Replace Fire Apparatus	PS05	518,000		1,828,000	2,346,000
23047	Radio System Replacement	PS07	759,000			759,000
	Total Public Safety		<u>\$1,767,000</u>	<u>\$0</u>	<u>\$3,389,000</u>	<u>\$5,156,000</u>
<u>Economic Development</u>						
10046	Land/Property Acquisition	ED01	\$77,000			\$77,000
10510	Downtown Street/Sidewalk/Parking Study	ED02			\$82,000	82,000
10027	Downtown Streetscape & Redevelopment	ED03	593,000	\$109,000		702,000
10032	Land Acquisition	ED04	6,411,000			6,411,000
10034	Neighborhood Vitality Grant Program	ED05	520,000	535,000		1,055,000
10042	Downtown Gateways	ED06	92,000	72,000		164,000
10127	Walnut Street Pedestrian Corridor	ED10	667,000			667,000
10136	City Center Development	ED11	541,000			541,000
10508	Economic Development Office	ED12	903,000	148,000		1,051,000
	Total Economic Development		<u>\$9,727,000</u>	<u>\$864,000</u>	<u>\$82,000</u>	<u>\$10,750,000</u>
<u>Landfill/Transfer Station</u>						
17154	Replacement of Landfill Equipment	EW01			\$992,000	\$992,000
17162	Transfer Station Rebuild	EW03	\$412,000	\$335,000		747,000
17160	Leachate Discharge System Upgrades	EW04	198,000			198,000
17161	Hinton Landfill GCCS Expansion	EW05		150,000		150,000
17158	Wheel Wash Installation	EW06	151,000	60,000		211,000
17108	Addition of Automated Scales	EW07			150,000	150,000
	Total Landfill/Transfer Station		<u>\$761,000</u>	<u>\$545,000</u>	<u>\$1,142,000</u>	<u>\$2,448,000</u>

CIP FUND ALLOCATION BY PROJECT 2018

		Page	Existing Funding	Continuation Funding	New Project Funding	Project Total
<u>Municipal Facilities and Miscellaneous Tax Supported</u>						
Facilities Management						
16037	HVAC Replacement/Upgrade	MF01	\$216,000	\$384,000		\$600,000
16038	Roof Replacement	MF02	527,000	476,000		1,003,000
16039	Facilities Upgrades	MF03	199,000	201,000		400,000
16057	Fire Alarm, Fire Safety and Security Systems	MF04	148,000	52,000		200,000
16062	Parking Lot Upgrades	MF05	250,000			250,000
16066	Carver Center Renovation & Safety Upgrades	MF06	2,425,000	638,000		3,063,000
16104	City Hall Code/Safety Updates	MF07	192,000			192,000
16067	Carver Senior Center Renovation	MF08	100,000		\$181,000	281,000
Firewheel						
36529	Firewheel Golf Park Equipment	MF09			59,000	59,000
36530	Firewheel Golf Park Improvements	MF10	134,000	174,000		308,000
36531	Firewheel Golf Park Cart Replacements	MF11			638,000	638,000
Public and Media Relations						
16082	CGTV - Upgrades	MF12		104,000		104,000
Street						
39811	Infrastructure Equipment	MF13			970,000	970,000
Total Mun. Fac. and Misc. Tax Supported			<u>\$4,191,000</u>	<u>\$2,029,000</u>	<u>\$1,848,000</u>	<u>\$8,068,000</u>
<u>Miscellaneous Revenue Supported and Internal Service</u>						
EWS Group - Delivery						
21070	95-Gal. Recycling Containers - Phases 5 thru 6	M01	\$522,000	\$69,000		\$591,000
21068	Replacement of Side-Load Residential Trucks	M02			\$627,000	627,000
21069	Replacement of Recycling Truck	M03			627,000	627,000
21073	Replcmt. of Brush Tractor Trucks & Trailers	M05			255,000	255,000
21075	Replcmt. of Commercial Front-Load Truck	M06			620,000	620,000
21078	Replacement of Knuckle Boom Trucks	M07			375,000	375,000
21085	Replacement of Front-Load Container Carrier	M09			112,000	112,000
21086	Replacement of Bobcat Skid Loader	M10			53,000	53,000
21087	Restoration of Paint Booth	M11	69,000		61,000	130,000
21088	New Side-Load Residential Truck	M12			313,000	313,000
21089	New Brush Tractor Trucks/Trailers	M13			310,000	310,000
Fleet Services						
19030	Fuel System Upgrade	M14	238,000	\$150,000		388,000
19033	Fleet Services Facility Renovation	M15	109,000			109,000
19034	Fleet Services Exterior Restoration	M16			200,000	200,000
Management Information Services						
23045	Extend Fiber Optic Cable	M17	100,000			100,000
23019	Network and Cabling Upgrades	M18	300,000			300,000
23048	Telephone System Replacement	M19	313,000	100,000		413,000
Stormwater Management						
39819	Stormwater Maintenance Equipment	M20			1,131,000	1,131,000
Total Misc. Rev. Supported and Internal Service			<u>\$1,651,000</u>	<u>\$319,000</u>	<u>\$4,684,000</u>	<u>\$6,654,000</u>

CIP FUND ALLOCATION BY PROJECT 2018

		Page	Existing Funding	Continuation Funding	New Project Funding	Project Total
<u>Water</u>						
30190	Transmission Mains (16-Inch and Above)	W01	\$2,500,000	\$1,000,000		\$3,500,000
30191	Distribution Lines (Up to 14-Inch)	W02	3,225,000	3,000,000		6,225,000
30192	Relocation of Mains Prior to Paving	W03	1,514,000	2,500,000		4,014,000
30195	Relocation of Mains Prior to Storm Sewer Install.	W04	275,000			275,000
30197	Water Pump Station Rehab	W05	1,539,000			1,539,000
30205	Fire Hydrant Installation	W06	401,000			401,000
30206	Water Service Installation	W07	198,000	450,000		648,000
30207	Upgrade Undersized Water Mains	W08	562,000	500,000		1,062,000
30208	Water Distribution Line Replacement	W09	42,000	750,000		792,000
30213	Radio Read Water Meter Retrofit	W10	39,000	1,000,000		1,039,000
30216	Country Club/Bobtown Road Water Trans. Mains	W11	499,000	1,300,000		1,799,000
30222	West Pressure Plane Improvements	W12	584,000			584,000
30235	Roan Road Water Transmission Main	W13	300,000			300,000
30236	Water Quality Assurance	W14	60,000			60,000
30237	Water Pump Station Emergency Generators	W15	600,000	1,625,000		2,225,000
30238	Field Operations Center	W16			\$250,000	250,000
30239	Sand Pit Cover	W17			125,000	125,000
Total Water			\$12,338,000	\$12,125,000	\$375,000	\$24,838,000
<u>Wastewater</u>						
Wastewater Collection						
32124	Infiltration Correction - Various	WW01		\$750,000		\$750,000
32147	Sewer Collection Mains - Manholes	WW02	\$100,000	400,000		500,000
32148	Sanitary Sewer Taps - New or Relocations	WW03		80,000		80,000
32149	Collection Mains	WW04		1,500,000		1,500,000
32151	Sewer Lift Station Rehab	WW05	225,000			225,000
32154	Cured-in-Place Pipe Main & Lateral Rehab	WW06		1,000,000		1,000,000
32157	Relocation of Mains Prior to Paving	WW07		4,760,000		4,760,000
32161	Rowl-I - Campbell to Shiloh	WW08	900,000			900,000
32174	Lift Station Abandonment	WW09	454,000			454,000
32181	Duck Creek Greenbelt Trail Extension	WW10	1,315,000			1,315,000
32183	Duck Creek Interceptor Rehab	WW11		20,000		20,000
32184	Rowlett Interceptor Rehab	WW12	50,000	985,000		1,035,000
32186	Walnut-I	WW13			\$250,000	250,000
32187	S.H. 190 Catalyst Area	WW14		450,000		450,000
32188	Field Operations Center	WW15			250,000	250,000
32189	Sand Pit Cover	WW16			125,000	125,000
Wastewater Treatment						
33028	Rowlett Creek WWTP Processes Improvements	WW17	1,059,000	3,350,000		4,409,000
33029	Rowlett Creek WWTP Replacements/Mods.	WW18	2,044,000	1,750,000		3,794,000
34027	Duck Creek WWTP Replacements/Mods.	WW19	822,000	2,000,000		2,822,000
34038	Duck Creek WWTP Processes Improvements	WW21	7,387,000	570,000		7,957,000
33031	Rowlett Creek Operations Center Renovations	WW22	2,348,000	5,200,000		7,548,000
33032	Rowlett Creek Admin. Building Renovation	WW23			155,000	155,000
Total Wastewater			\$16,704,000	\$22,815,000	\$780,000	\$40,299,000

CIP FUND ALLOCATION BY PROJECT 2018

		Page	Existing Funding	Continuation Funding	New Project Funding	Project Total
<u>Electric</u>						
31387	Transmission Lines	E01	\$14,356,000	\$9,570,000		\$23,926,000
31223	Communications Upgrades/Improvements	E02	307,000			307,000
31240	Residential Construction	E03	71,000	1,012,000		1,083,000
31320	Commercial and Industrial Construction	E04	741,000	3,027,000		3,768,000
31460	Street and Thoroughfare Lighting	E05		3,759,000		3,759,000
31491	Relocation of Facilities	E06	1,077,000	368,000		1,445,000
31532	Distribution Lines - Overhead	E07	803,000	4,357,000		5,160,000
31551	Production	E08		815,000		815,000
31624	Distribution Lines - Underground	E09	1,441,000	7,065,000		8,506,000
31717	Substations Upgrades	E10	9,569,000	31,116,000		40,685,000
31875	Various Improvements	E11	50,000	38,000		88,000
31424	Limestone to Gibbons Creek Transmission Line	E12	29,243,000	15,636,000		44,879,000
Total Electric			<u>\$57,658,000</u>	<u>\$76,763,000</u>	<u>\$0</u>	<u>\$134,421,000</u>
Total			<u>\$134,056,000</u>	<u>\$142,629,000</u>	<u>\$14,489,000</u>	<u>\$291,251,000</u>

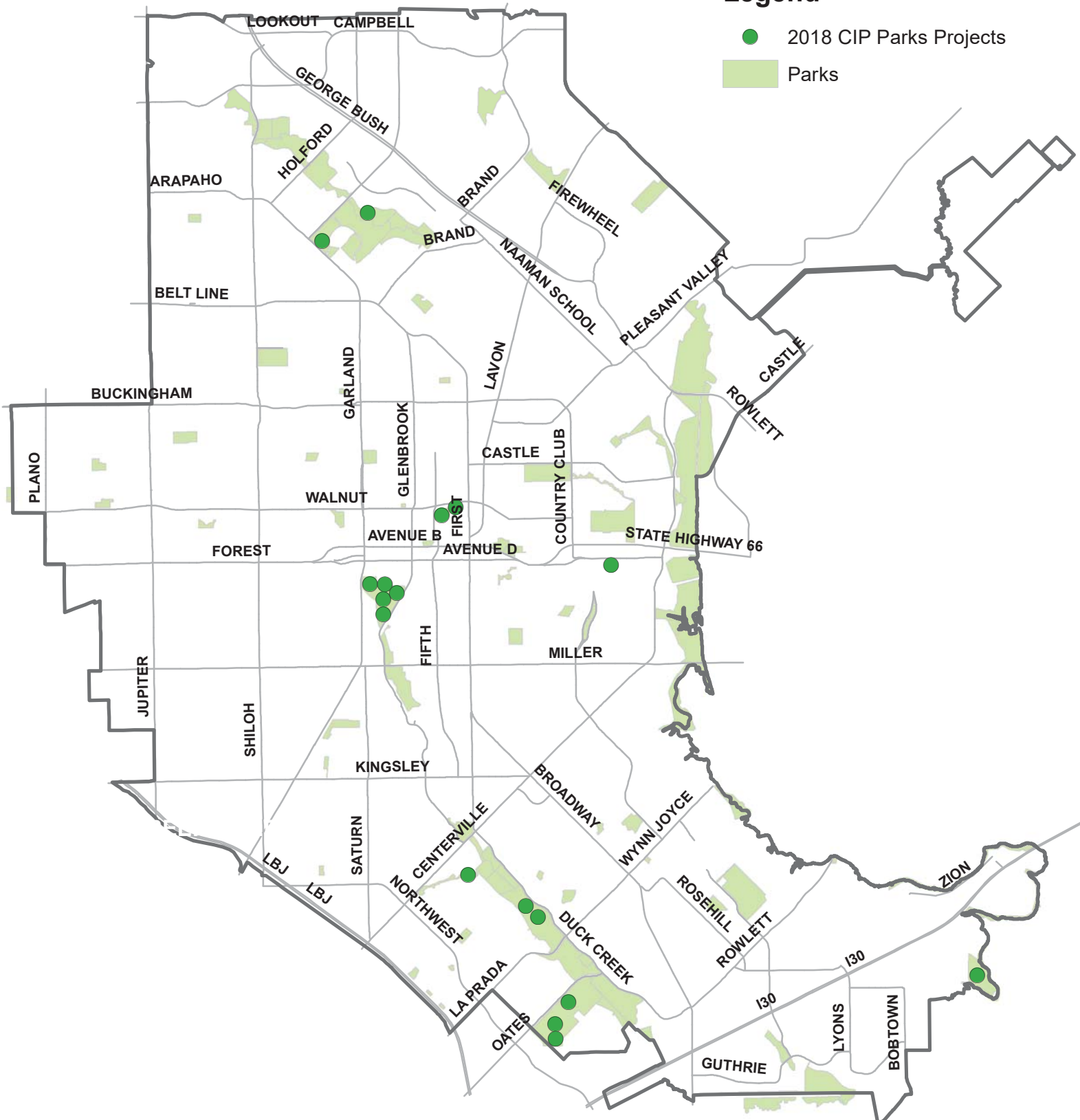
Appendix F

Maps

2018 CAPITAL IMPROVEMENT PROGRAM

Legend

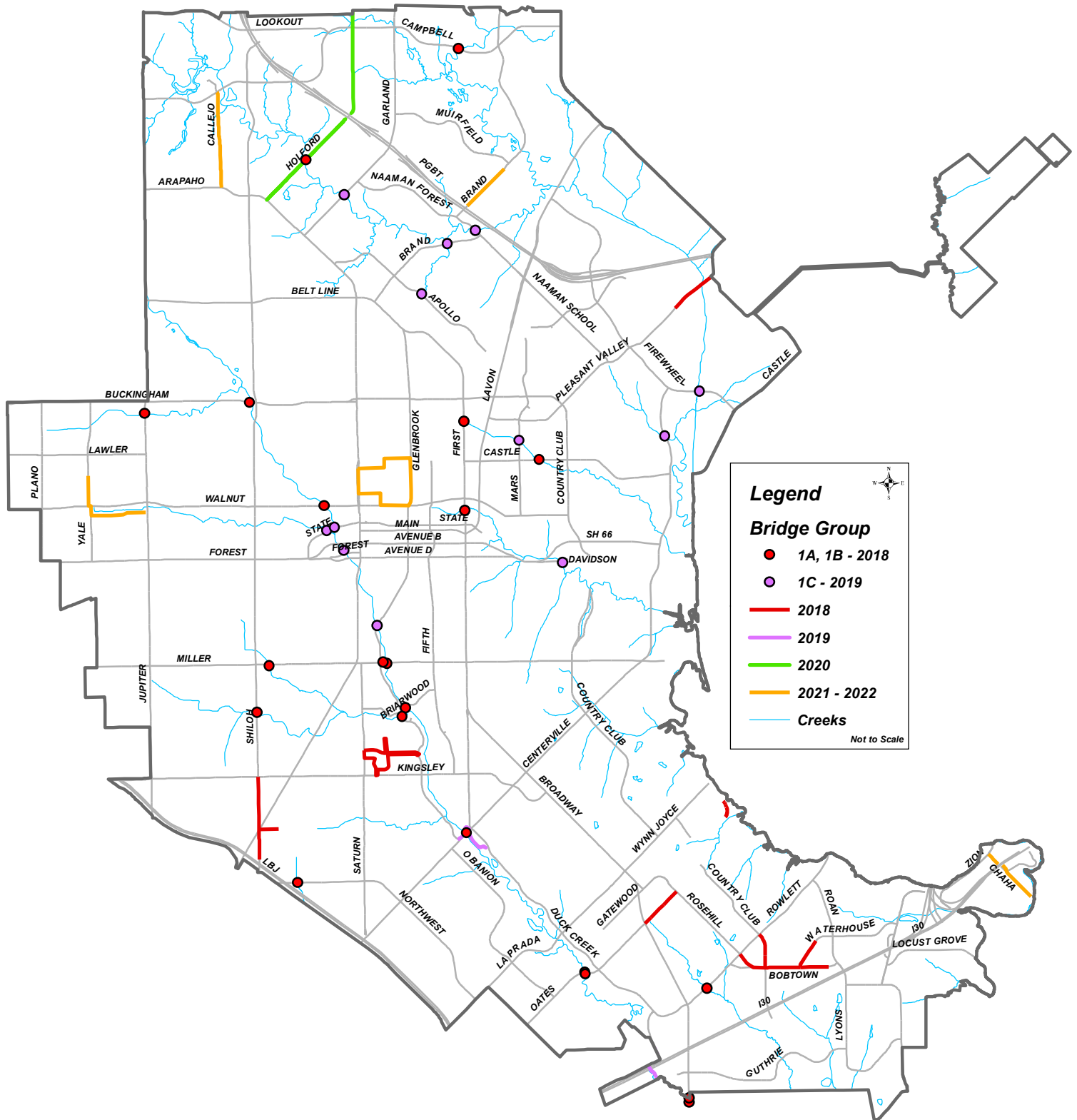
- 2018 CIP Parks Projects
- Parks



PARK IMPROVEMENT PROJECTS



2018
ENGINEERING DEPARTMENT
CAPITAL IMPROVEMENT PROGRAM
5-YEAR CONSTRUCTION PLAN

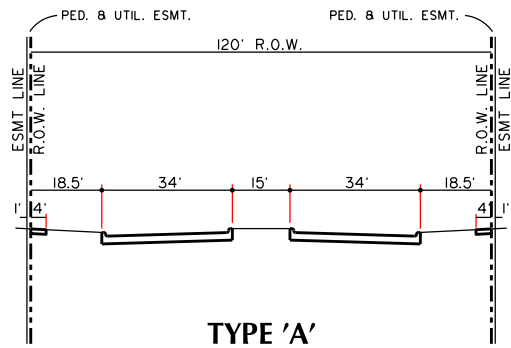


ENGINEERING PROJECTS



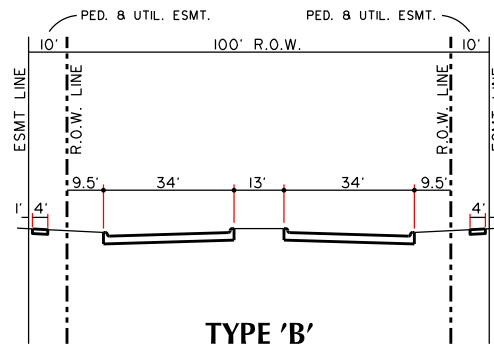
Appendix G

Roadway Classifications



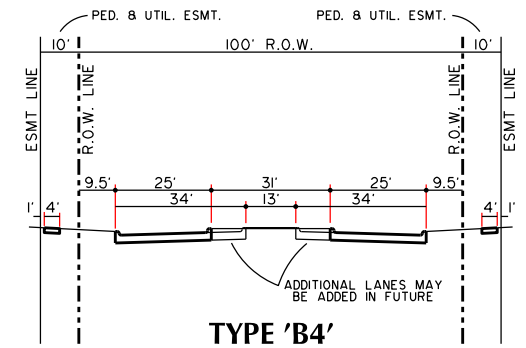
TYPE 'A'

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



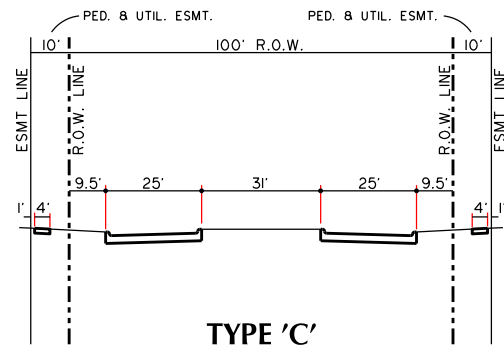
TYPE 'B'

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



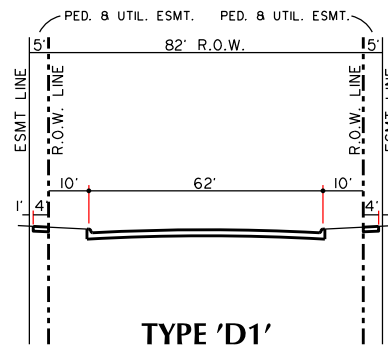
TYPE 'B4'

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



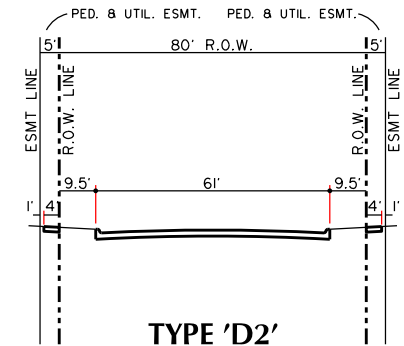
TYPE 'C'

*R.O.W. WIDTH = 100'
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 VEHICLES PER DAY
 *PEDESTRIAN & UTILITY
 EASEMENT WIDTH = 10'
 *DESIGN SPEED = 40 MPH



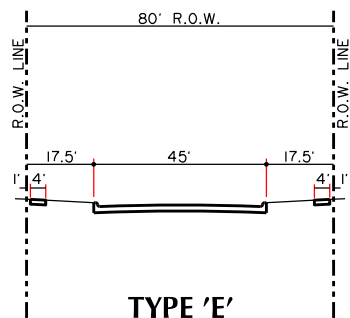
TYPE 'D1'

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



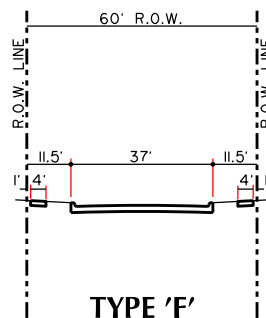
TYPE 'D2'

*R.O.W. WIDTH = 80'
 *VEHICLE CAPACITY: 17,500
 VEHICLES PER DAY
 *PEDESTRIAN & UTILITY
 EASEMENT WIDTH = 5'
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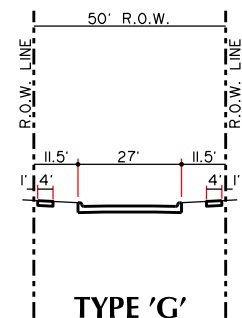
TYPE 'E'

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



TYPE 'F'

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



TYPE 'G'

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