

*City of Garland*  
**2016 Capital Improvement Program**



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**GARLAND**

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# 2016 Capital Improvement Program

City Council

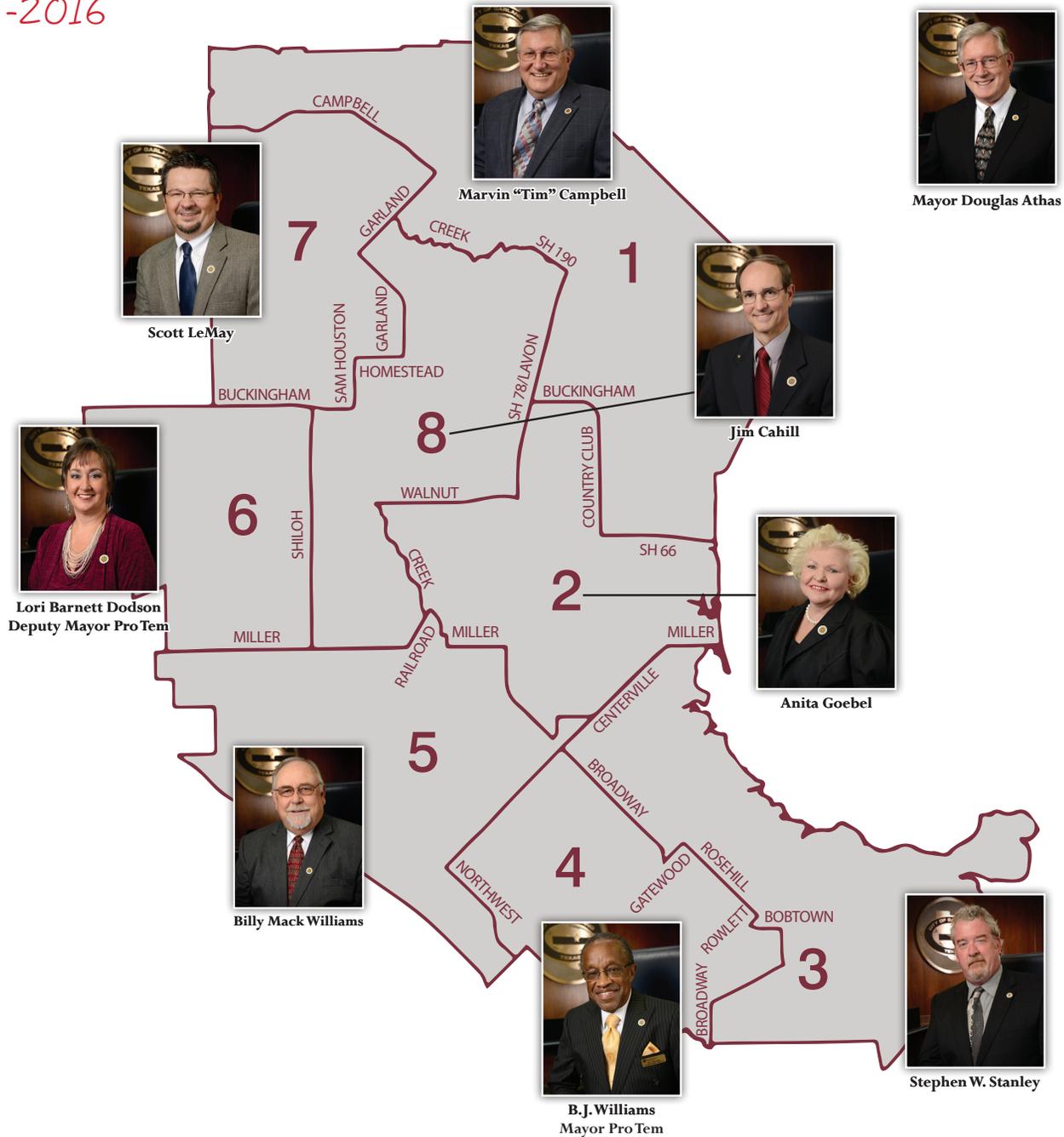


**Seated, Left to Right: Jim Cahill (District 8), Douglas Athas (Mayor), and Tim Campbell (District 1)**  
**Standing, Left to Right: Lori Barnett Dodson (Deputy Mayor Pro Tem), Billy Mack Williams (District 5), Stephen Stanley (District 3), Scott LeMay (District 7), B.J. Williams (Mayor Pro Tem), and Anita Goebel (District 2)**

Bryan L. Bradford, City Manager

# City Council

2015-2016



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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 12<sup>th</sup> 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 235,885. Garland has an estimated 81,373 housing units and had an average employment base in 2015 of 117,437.

### Population, Housing Units\*, Employment (Estimates)

	2010	2016	Growth
Population	226,876	235,885	9,009
Housing Units	78,722	81,373	2,651
Employment	104,383	117,437**	13,054

*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.*

*\*\* Average for 2015.*

Garland is diverse in ethnicity and education. In 2010, the city's population was 57.5% White, 14.5% African-American, 9.4% Asian, 15.3% other, 3.3% two or more races, and 37.8% Hispanic/Latino (of any race). More than half of the city's adult population is educated above the high school level with more than 20% of the population possessing a Bachelor's degree. Per a 2013 American Community Survey, the mean household income in Garland was \$64,657. Per the Dallas Central Appraisal District, the average market value for detached single-family residences in Garland for 2015 was \$125,164.

## Government Structure

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

## **Economic Base and Development**

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

*Arrow Fabrication Tubing*  
*Atlas Copco Drilling Solutions*  
*Carroll Company*  
*Daisy Brands, Inc.*  
*Ecolabs, Inc.*  
*General Dynamics Corp.*

*Interceramic, Inc.*  
*Kingsley Tools*  
*Kraft Heinz Foods*  
*L-3 Communications*  
*Mapei Corporation*

*Metalwest, LLC*  
*Packaging Corp. of America*  
*Plastipak Packaging*  
*Sherwin-Williams Company*  
*Valspar Corporation*

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



## **City Center Development in Downtown Garland**

Taking advantage of transit-oriented development opportunities near Garland's DART rail station, the next phase of mixed-use development is occurring in partnership with Oaks Properties, LLC. Currently, much of the construction activity in Downtown is focused around the City Center Development. This development will add 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; a re-skinned City Hall façade; as well as public open space adjacent to the Granville Arts Center.



Two historic homes (Pace and Tinsley-Lyles) are associated with the Downtown Redevelopment project – the Tinsley-Lyles House, within Heritage Crossing, and the Pace House, which has been turned over to private ownership and relocated to the newly-designated Travis College Hill Historic District.



Heritage Crossing is four quadrants of land at the intersection of Sixth and Walnut Streets in Downtown Garland. Currently, one quadrant is fully developed, consisting of the Landmark Museum located in Garland's 1901 Santa Fe Depot, a refurbished 1910 Pullman Coach Car, and the 19<sup>th</sup> Century Tinsley-Lyles House. The remaining three quadrants are in development stages and will include walking paths with markers describing Garland's history. Heritage Crossing is a significant representation of the importance of history and heritage to the City of Garland.



This 1910 Pullman Coach Car represents a unique transitional design, combining a newer metal undercarriage with a wooden framed car. In 2014, it underwent an exterior refurbishment, returning its paint color and markings to their original 1910 specifications. Few of these cars are believed to exist today. Pullman Coach Car #582 now stands as a reminder of the important role the railroads played in the development of the city of Garland.

### **Historic District**

A Garland neighborhood, now known as the Travis College Hill Historic District, was recognized by the Garland City Council as “historically significant,” the first in the city to be formally designated as such. This neighborhood, encompassing the area on South 11<sup>th</sup> Street between West Avenues B and D, is one of the oldest subdivisions within the city. The cluster of eleven 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.

### **Bankhead Highway**

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

### **Tourism**

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



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

### **Cultural Arts and Community Events**

Garland's cultural arts scene provides quality programs to enrich the lives of residents and visitors from surrounding communities. Cultural arts facilities include the Patty Granville Arts Center, the Atrium, 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 334 sworn Police Officers and 254 sworn Fire personnel. Garland has 11 fire stations and several public safety training facilities. Residents enjoy an abundance of recreation opportunities with 63 parks covering more than 2,500 acres as well as six recreation centers and two senior centers. Services are further enhanced with four libraries conveniently located throughout the city as well as a wealth of e-books and other online resources. Residents have access to nearly 500,000 volumes through the City's library system. Garland also is home to Firewheel Golf Park, the largest municipal golf course in Texas, with 63 holes of championship-style golf.

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



# **CIP MESSAGE**



# GARLAND

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February 16, 2016

Honorable Mayor and City Council  
City of Garland, Texas

I am pleased to present for your consideration the 2016 Capital Improvement Program (CIP) for the City of Garland. The CIP reflects the planned investments for the next five years in the City's infrastructure, municipal facilities, specialized equipment, and economic development initiatives. In particular, the CIP details a \$261.6 million work program for the 2016 calendar year.

The Tax-Supported portion of the CIP totals \$92.4 million and is heavily weighted toward Street and Transportation projects, most of which were approved as part of the 2004 Bond Program. In addition, a \$28 million project to take the Pleasant Valley Road Bridge over the Rowlett Creek flood plain is scheduled to break ground in 2016 and will be funded mostly through the Regional Toll Revenue Program. Also, the Street Reconstruction and Improvements Program that was implemented in the prior year will continue by providing \$4.0 million in additional resources to rehabilitate city streets through the issuance of Certificates of Obligation. Also, new in 2016 is funding for the installation of road closure gates in flood-prone locations and funding from Dallas Area Rapid Transit (DART) to improve bottleneck issues at major intersections.

The CIP also places a high priority on completing several large Public Safety projects that include the construction of a new Fire Station No. 5 and the replacement of a radio system needed to maintain reliable communication. Economic Development is also emphasized with funding provided to complete the highly anticipated City Center project and new funding to establish offices for the newly-formed Economic Development Department in Downtown Garland.

In addition, the CIP includes funding for the City's libraries to rebuild the materials collection and for the installation of equipment with RFID technology to allow for a more efficient tracking of the inventory. Project highlights in the Park program include the Granger Recreation Center renovation, fencing for the Audubon and Winters Soccer Complexes, and a 13-foot bronze sculpture selected and partially funded by the Garland Cultural Arts Commission to be placed in front of the Granville Arts Center. In addition, funding for the continued design of the Audubon Recreation Center Expansion, a Dog Park, a Skate Park, and Windsurf Bay Park Improvements are included in 2016. Furthermore, the Tax-Supported portion of the CIP includes the replacement of several pieces of critical equipment at the Hinton Landfill and Transfer Station and for the Street Department.

The City utilities and Internal Service portion of the 2016 CIP totals \$169.2 million. Within this amount, \$4.6 million is for Environmental Waste Services to replace 17 pieces of the collection fleet and expand the Automated Collection Single Stream Recycling Program. In addition,

\$25.8 million is dedicated to Water Utility capital needs and \$46.8 million to Wastewater Utility projects primarily focused on biosolids rehabilitation and odor abatement at the Rowlett Creek Treatment Plant. A total of \$89 million is for Garland Power & Light (GP&L) infrastructure with the largest portion of funding directed toward the construction of a 345 kV transmission line from the Limestone to the Gibbons Creek Substation (Houston Import Project). This project is a joint venture with Cross Texas Transmission and will allow for Garland Power & Light to receive additional transmission revenue each year that is in excess of the cost related to the line. Finally, the Internal Service Program totals \$2.4 million with a majority allocated toward improving the functionality and conditions of the Fleet Services facility.

#### Debt Issuance

The \$261.6 million program will require the issuance of \$23.1 million in tax-supported debt, consisting of \$6.5 million in General Obligation (GO) Bond authorized Commercial Paper and \$16.6 million in Certificates of Obligation (COs). The Revenue-Supported portion and Internal Service Program will require debt issuance totaling \$93.8 million, which includes \$6 million in COs and \$87.8 million in Revenue Bond authorized Commercial Paper.

#### Tax and Utility Rate Impacts

In keeping with Council's goal, no increase in the Property Tax Rate for fiscal year 2016-17 is anticipated to fund the CIP Budget. The 2016 CIP is, however, projected to contribute a modest amount toward the rate increases already anticipated for Water and Wastewater in 2016-17.

I believe the 2016 CIP meets the Council's goal of striking a balance between addressing critical infrastructure needs and minimizing the tax impacts on our citizens and businesses. I am confident that this 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) 2015 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 2016 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.

### **2015 CIP STATUS**

The 2015 CIP Status section is divided into three parts. The first shows the completion rate of the 2015 CIP for each program area. The second reflects each project included in the 2015 CIP, the completion date estimated at the time the CIP was adopted, and the revised completion date as submitted by departments in October 2015. 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; a CIP Fund Allocation by Program and by Project; and Downtown Catalyst Area Improvements.

## BACKGROUND INFORMATION

### Capital Improvement Program

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

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

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

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

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

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

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

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

## **CIP Funding**

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

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

## **Debt Instruments**

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

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

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

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

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

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

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

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

**Debt Service**

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

Tax-Supported Debt Service – Debt that is serviced from Property Tax revenues is referred to as “Tax-Supported Debt.” Of Garland’s 2015-16 Ad Valorem Tax Rate of 70.46 cents per \$100 of valuation, 31.06 cents or 44% is dedicated to Tax-Supported Debt Service.

**2015-16 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 B*.

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 B*.

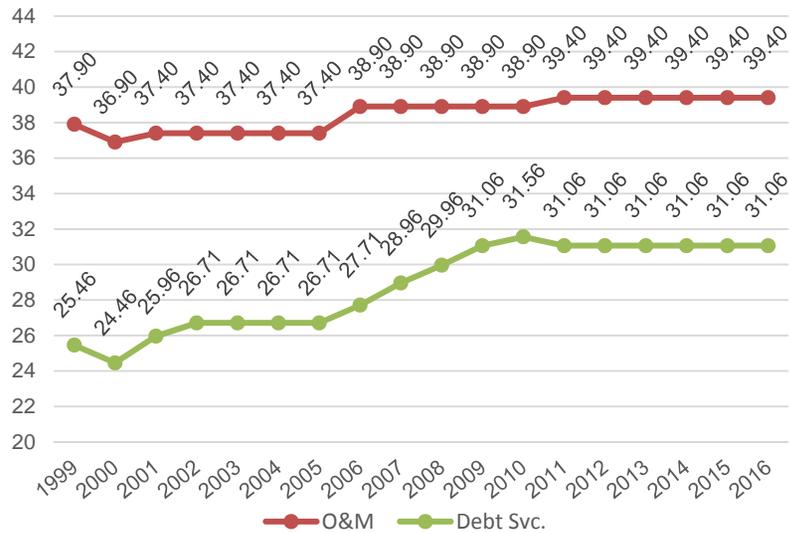
Detailed schedules reflecting the remaining 1997 and 2004 Bond projects are in the 2015 CIP Status section of the CIP. These schedules indicate the funding and estimated date of completion for each project. Similar information is also included for the remaining projects authorized in the 1991 Bond Referendum.

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)**



## 2016 CAPITAL IMPROVEMENT PROGRAM OVERVIEW

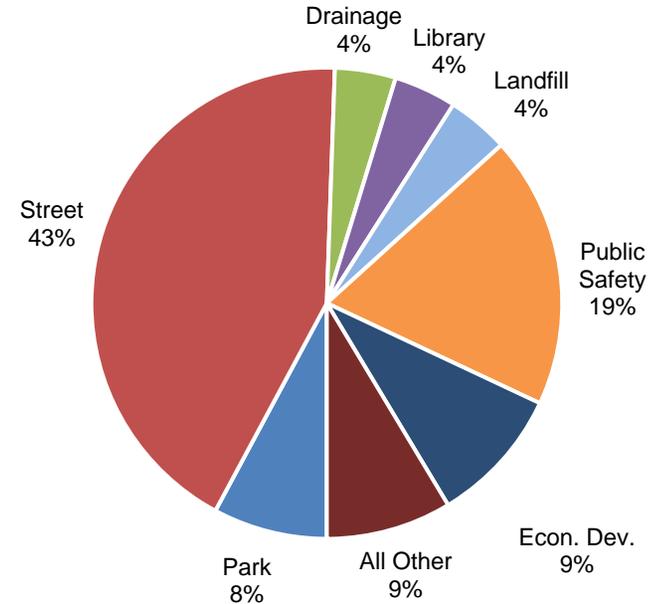
### 2016 Program Expenditures

The 2016 CIP totals \$261.6 million and includes the following program areas and expenditure amounts:

<u>Program Areas</u>	<u>Expenditures</u>
<b>Tax-Supported Programs:</b>	
(1) Park	\$ 7,252,000
(2) Street/Transportation	39,468,000
(3) Drainage	3,863,000
(4) Library	3,983,000
(5) Landfill/Transfer Station	3,932,000
(6) Public Safety	17,281,000
(7) Economic Development	8,689,000
(8) Facilities and Miscellaneous	7,963,000
Total Tax-Supported	92,431,000
<b>Internal Service Programs:</b>	
(1) Information Technology	510,000
(2) Fleet Services	1,898,000
Total Internal Service	2,408,000
<b>Utility Programs:</b>	
(1) Stormwater Management	508,000
(2) Environmental Waste Svcs.	4,596,000
(3) Water	25,826,000
(4) Wastewater	46,837,000
(5) Electric	89,038,000
Total Utility-Supported	166,805,000
<b>Total 2016 CIP</b>	<b>\$261,644,000</b>

The 2016 CIP reflects an increase of approximately \$68.8 million (35.7%) from the 2015 Capital Budget of \$192.8 million. The increase is primarily due to a \$40.3 million increase in the Electric Utility program. The Tax-Supported program increased by \$13.4 million (16.9%) from the 2015 Capital Budget of \$79.1 million. Of the total \$92.4 million in Tax-Supported programs, \$19.5 million (21.1%) is related to 1991, 1997, and 2004 Bond projects funded from authorized debt.

**2016 Tax-Supported Programs**



**2016 CIP Funding Sources**

Of the total \$261.6 million 2016 CIP, \$119 million (45.5%) is carry-over from previous Capital Budgets, \$127.2 million (48.6%) represents additional funding for projects begun in prior years, and \$15.4 million (5.9%) is related to projects being initiated for the first time in 2016. Funding the 2016 CIP work program will require new debt issuance of \$116.9 million compared to \$67.5 million in 2015. Of the \$116.9 million, \$92.0 million is in the City's Utilities. Specifically, funding will come from the following sources:

<b>Funding Sources</b>	<b>Tax-Supported Programs</b>	<b>Internal Services</b>	<b>Utility Programs</b>	<b>Total 2016 CIP</b>
<b>Current Funds:</b>				
Cash Available	\$32,641,000	\$ 582,000	\$ 34,338,000	\$ 67,561,000
Intergovernmental Participation	23,741,000			23,741,000
<b>Total Cash and Transfers</b>	<u>56,382,000</u>	<u>582,000</u>	<u>34,338,000</u>	<u>91,302,000</u>
<b>Debt Issuances:</b>				
Prior-Year Approved Commercial Paper (CP)	<u>12,987,000</u>	<u>0</u>	<u>40,419,000</u>	<u>53,406,000</u>
1997 GO Bonds (CP)	292,000			292,000
2004 GO Bonds (CP)	6,171,000			6,171,000
2016 Certificates of Obligation (COs)	16,599,000	1,826,000	4,171,000	22,596,000
2016 Electric (CP)			62,332,000	62,332,000
2016 Water & Wastewater (CP)			25,545,000	25,545,000
Sub-Total New Debt Issuance	<u>23,062,000</u>	<u>1,826,000</u>	<u>92,048,000</u>	<u>116,936,000</u>
<b>Total 2016 CIP Funding</b>	<u>\$92,431,000</u>	<u>\$2,408,000</u>	<u>\$166,805,000</u>	<u>\$261,644,000</u>
<b>Project Allocations:</b>				
Existing Funding for Previously Approved	\$58,308,000	\$ 532,000	\$ 60,146,000	\$118,986,000
Continuation Funding for Previously Approved	23,387,000	1,876,000	102,008,000	127,271,000
Funding for New Projects	<u>10,736,000</u>		<u>4,651,000</u>	<u>15,387,000</u>
<b>Total Adopted 2016 CIP</b>	<u><u>\$92,431,000</u></u>	<u><u>\$2,408,000</u></u>	<u><u>\$166,805,000</u></u>	<u><u>\$261,644,000</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 2016 CIP.

**Anticipated  
2016-17 Debt Service Tax Rate  
(Cents per \$100 Valuation)**

Current Rate	31.06 cents
2016-17 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 2016 as part of the adoption of the Annual Operating Budget.

### **Utility Rate Impacts and Projections**

Water – Commercial Paper issuances of \$11.2 million to fund the 2016 Water Utility CIP, which equates to approximately a 2% increase in Water rates. The total rate increase projected for 2016-17 is 8% due to increased cost for water purchases from the North Texas Municipal Water District (NTMWD) and increased cost to maintain and improve the water infrastructure.

Wastewater – Commercial Paper issuances of \$14.3 million is required to fund the Wastewater Utility 2016 CIP, which is projected to contribute a modest amount toward the 2% Wastewater rate increase already anticipated for FY 2016-17. This projected rate increase is mostly due to costs associated with biosolids handling and treatment equipment needed to comply with State and Federal regulations.

Electric – Commercial Paper issuances of \$62.3 million are required to fund the Electric Utility's 2016 CIP program. Since Electric rates are market-based and not tied to cost-of-service, no direct rate impact is anticipated to customers as a result of the 2016 CIP.

Environmental Waste Services (EWS) - Delivery – A CO debt issue of \$3.9 million to fund the replacement of aging EWS - Delivery equipment and the continuation of the Single Stream Recycling Program will require approximately \$775,000 in new Debt Service payments for FY 2016-17 which is not anticipated to impact residential trash collection rates in FY 2016-17.

Stormwater Management – A CO debt issue of \$252,000 to fund the replacement of aging equipment required to maintain drainageways will require approximately \$40,000 in new Debt Service payments for FY 2016-17 which is not anticipated to impact residential rates in FY 2016-17.

## **Program Overviews**

The following sections include an overview of the 2016 projects in each of the program areas.

### **Park – \$7,252,000**

Projects scheduled to start construction in 2016 include the Granger Recreation Center renovation and fencing for the Audubon and Winters Soccer Complexes.

New projects in 2016 include Pedestrian/Bike Bridges at Duck Creek and a bronze art sculpture to be placed at the front drive to the Granville Arts Center.

In addition, funding for the continued design of the Audubon Recreation Center Expansion, Dog Park, Skate Park, and Windsurf Bay Park Improvements is in 2016. Also, work will continue on repaving parking lots, trail development, and various other park/playground improvements.

### **Street/Transportation – \$39,468,000**

Street/Transportation projects expected to begin construction in 2016 include Oates Road - Broadway to Rosehill, Shiloh Road - I.H. 635 to Kingsley, Brand Road - S.H. 190 to Muirfield, Fifth Street - Miller to Kingsley, and Pleasant Valley Road Bridge.

New projects in 2016 include design work for Holford Road - PGBT to Campbell Road, Holford Road - Arapaho to PGBT, Bobtown Road - Kelso to Barnes Bridge, and a DART-funded program to improve bottleneck issues at major intersections.

In addition, funding for the fabrication and installation of road closure gates and signage for flood-prone areas within the city is included in the 2016 CIP.

Projects scheduled for completion in 2016 include Northwest Highway - Centerville to La Prada, Miller Road Bridge, Pleasant Valley - Firewheel Parkway to Richfield, and aesthetic enhancements to the sound wall being constructed along LBJ Freeway between La Prada and Centerville.

Ongoing Street/Transportation programs to be continued in 2016 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.

Also, 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 is continuing in 2016.

### **Drainage – \$3,863,000**

The Drainage program for 2016 includes funding for design work related to improvements in the vicinity of Classic and Yale Drives, continuation of the petition and local flooding programs, and bridge remediation.

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

Also, Downtown drainage improvements are scheduled to be completed in 2016 as a part of the Downtown Redevelopment Program.

Library – \$3,983,000

The 2016 Library CIP program includes funding for the installation of Radio Frequency Identification Delivery (RFID) inventory control and asset management equipment at all City libraries.

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

Public Safety – \$17,281,000

Public Safety projects in 2016 include ambulance remounts and the construction of the new Fire Station No. 5.

Also included in the 2016 Public Safety program is continuation funding to complete the implementation and construction of a new P25 standard radio system to be used by Police, Fire, and other City departments.

The replacement of this system is critical to maintain a reliable communication system for Public Safety and other City departments but 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 while approximately \$4.1 million will be reimbursed from the City of Mesquite and City of Rowlett for the construction of radio towers.

Economic Development – \$8,689,000

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

The City Center Development consists of the construction of a mixed-use development that adds 153 multi-family residential units to the existing 188 units built in 2008 at the Oaks 5<sup>th</sup> Street Crossing. Funding for this portion of the project came solely from a private investor. However, the City provided the site ready for development and constructed a parking structure with 330 spaces to serve the public, residential tenants, and those using City Hall; as well as the relocation of the Garland Landmark Museum, rail car, and Lyles House to Heritage Crossing. In addition, the re-skinning of the City Hall façade; enhancements to the streetscape along State, Fifth, and Austin Streets; and the creation of public open space adjacent to the Granville Arts Center are scheduled to be completed in 2016. This project request appears in the Economic Development section (Page ED10) of the CIP, and further details on all Phase 2 Downtown Catalyst Area Improvements are listed together under *Appendix E – “Downtown Catalyst Area Improvements - Phase 2.”*

Other Downtown improvement projects included in the 2016 CIP are initial design work related to constructing gateways at critical entry points to Downtown and the redesign of the Downtown Square.

Also included in the Economic Development section is funding to continue the Neighborhood Vitality Grant Program and new funding to establish offices for the newly-formed Economic Development Department in Downtown Garland.

Municipal Facilities and Misc. Tax Supported – \$7,963,000

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

The 2016 program includes the continuation of renovations and foundation repair to the Carver 3 building and code and safety updates to City Hall.

In addition, continued construction of a sound studio at City Hall and the replacement of audiovisual presentation systems in the Council Chambers and Work Session Room are included with funding coming from Public, Educational, and Government (PEG) Fees levied on cable TV bills.

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

#### Miscellaneous Revenue Supported and Internal Service – \$7,512,000

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 2016 include extending fiber optic cable, fuel tank automation and monitoring, and upgrading network and cabling at various City facilities.

Also, funding is included in 2016 to renovate the Fleet Services facility and includes improvements to restroom access and conditions, development of a customer waiting area, and increased parts storage.

In addition, the 2016 CIP includes the replacement of two 12-yard dump trucks used in the Stormwater Management operations and 17 pieces of equipment used in the Environmental Waste Services (EWS) - Delivery operations. The equipment requested for EWS includes a recycling truck, five residential side-loaders, two rear-load residential trucks, a knuckle boom truck, three brush trailers, three brush tractor

trucks, and two commercial front-load trucks. These pieces of equipment are beyond their useful life and are requiring excessive ongoing repair and maintenance costs.

Also included in the 2016 CIP for EWS - Delivery is 95-gallon recycling containers for the implementation of Phase 5 of the Automated Collection Single Stream Recycling Program.

#### Landfill/Transfer Station – \$3,932,000

The 2016 Landfill/Transfer Station program includes the replacement of five pieces of equipment used to compact, handle, transport, and apply cover to refuse at the Hinton Landfill and mow the closed Castle Landfill as required by permit. These critical pieces of equipment are past their useful lives and are requiring extensive maintenance to keep operational. The equipment requested includes two articulating dump trucks, a CAT 836 compactor, a 4,000-gallon water truck, and a tractor/mower.

In addition, the 2016 CIP provides funding from the Landfill Sinking Fund to construct Waste Cell #7 at the Hinton Landfill.

#### Water – \$25,826,000

The 2016 Water CIP includes the continuation of the West Pressure Plane Improvements project that includes a 2.5-million-gallon elevated storage tank to be constructed in southwest Garland.

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

### Wastewater – \$46,837,000

The Wastewater program for 2016 includes infiltration correction, sewer collection mains, cured-in-place pipe main and lateral rehabilitation, relocation of mains prior to paving, lift station abandonment, and Rowlett and Duck Creek Wastewater Treatment Plants improvements.

The Wastewater Treatment Plants improvements make up a majority of the funding requested in 2016 and will focus on biosolids rehabilitation and odor abatement at the Rowlett Creek Treatment Plant.

In addition, design work to increase the sanitary sewer system capacity in the S.H. 190 Catalyst Area is to begin in 2016.

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

### Electric – \$89,038,000

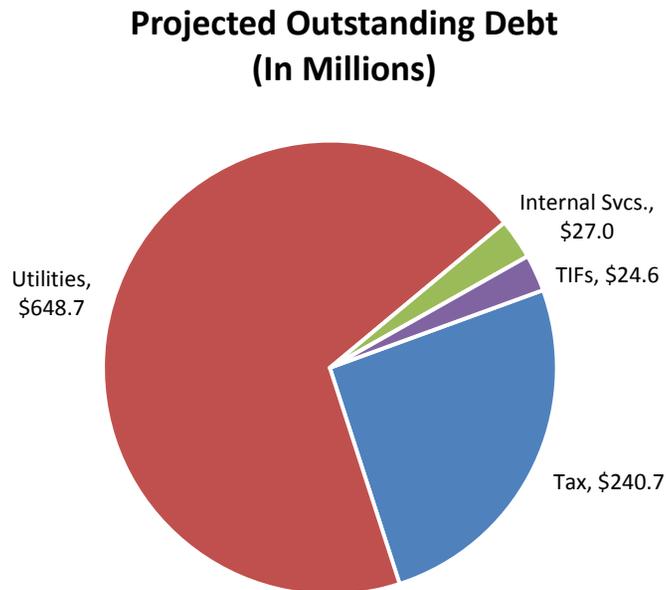
The 2016 Electric CIP includes construction of transmission lines, substations, overhead and underground distribution lines, street and thoroughfare lighting, residential construction, communications upgrades, commercial and industrial construction, relocation of facilities, and production construction and upgrades.

The Electric CIP program for 2016 includes funding to construct a 345 kV transmission line from the Limestone to Gibbons Creek Substation (Houston Import Project). This project is a joint venture with Cross Texas Transmission and will allow for Garland Power & Light to receive additional transmission revenue each year that is in excess of the cost related to the line. Also included is funding to continue the construction of a new GP&L/Oncor switching station and associated transmission line improvements in the Lookout area needed to serve increased demands. The 2016 CIP also includes funding to address transmission congestion issues identified by ERCOT in the Olinger Power Plant area as well as the continued funding of the Garland Power & Light LED Street Light Conversion Program.

## OUTSTANDING DEBT

### Total Outstanding Debt

Including the issuances for the 2016 CIP, Garland's total outstanding debt is projected to be \$941 million by the end of the 2015-16 fiscal year. Of this amount, \$240.7 million is tax-supported, and eventually, \$22 million is to be supported by the I.H. 30 TIF and \$2.6 million by the Downtown TIF. The remaining \$675.7 million is supported by the Utilities and Internal Service Funds.



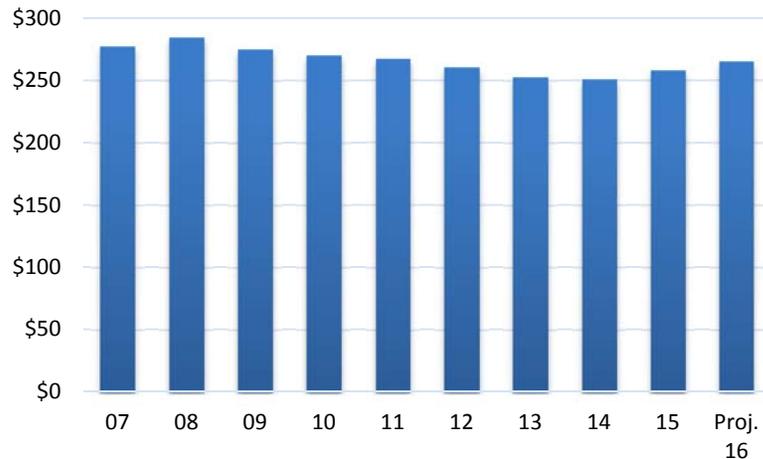
### **Projected Outstanding Debt FYE 2015-16**

<b>Tax-Supported Debt:</b>	
General Obligation Bonds	\$155,460,000
Certificates of Obligation	62,954,000
Commercial Paper	22,298,000
<b>Total Tax-Supported Debt</b>	<b>240,712,000</b>
TIF-Supported Debt - Harbor Point	22,040,000
TIF-Supported Debt - Downtown	2,585,000
<b>Total Tax-Supported &amp; TIF Debt</b>	<b>\$265,337,000</b>
<b>Revenue-Supported Debt:</b>	
General Obligation Bonds	\$ 37,930,000
Certificates of Obligation	204,277,000
Revenue Bonds	337,830,000
Commercial Paper	95,666,000
<b>Total Revenue-Supported Debt</b>	<b>\$675,703,000</b>
<b>Total Projected Outstanding Debt</b>	<b>\$941,040,000</b>

**Tax-Supported and TIF-Supported Outstanding Debt**

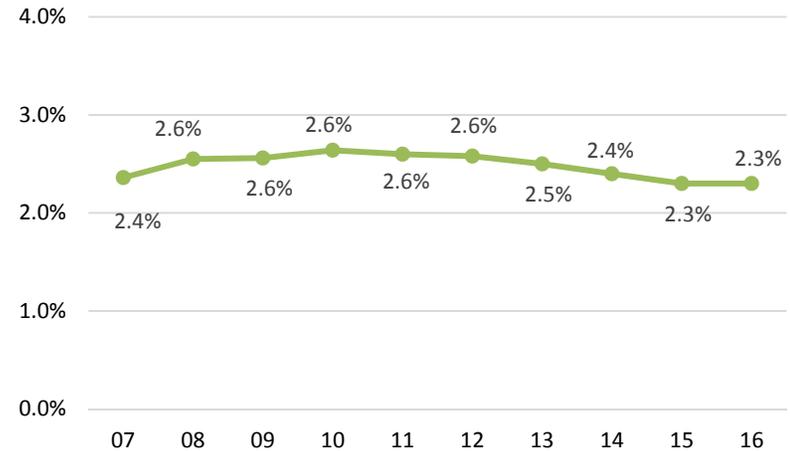
Assuming no project delays, long-term tax-supported and TIF-supported debt is projected to be \$265.3 million by the end of FY 2015-16. This reflects a decrease of \$12.2 million (4.4%) since 2007 due mostly to the decline in the tax base and elongation of the bond programs experienced during the recession.

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

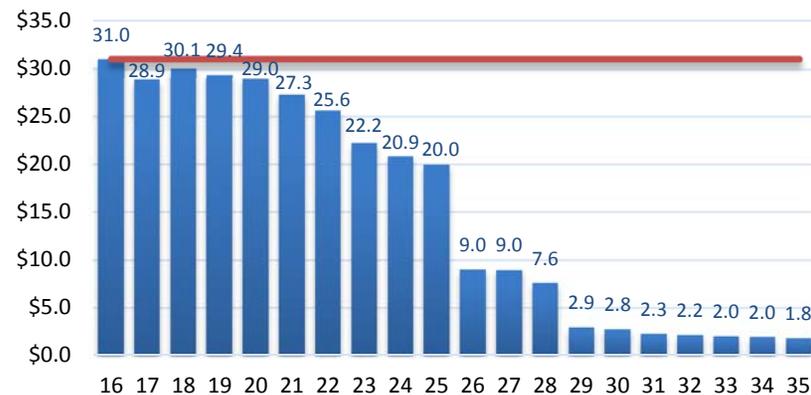


While the State of Texas does not place a debt limitation on Home-Rule cities, Council financial policies restrict tax-supported debt to 5% of the assessed valuation of taxable property. Projected tax-supported long-term debt equates to 2.3% of Garland’s 2015 estimated tax base, which is well below the 5% limitation.

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



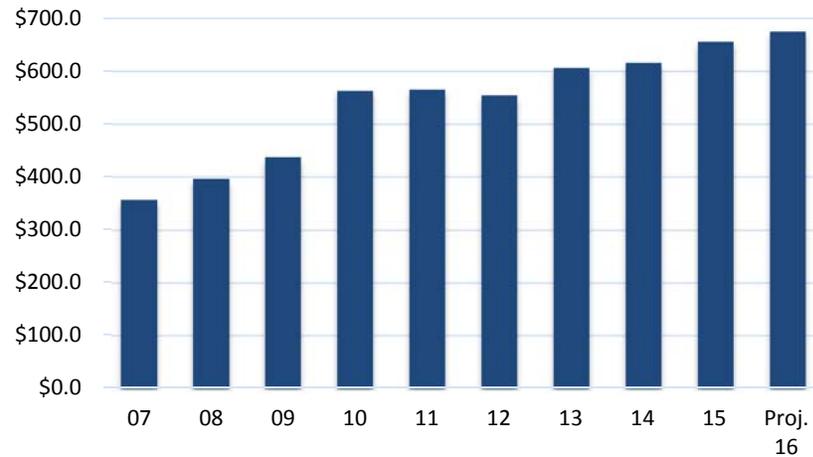
**Existing Long-Term Tax-Supported Debt Service**  
(In Millions)



**Revenue-Supported Outstanding Debt**

Revenue-supported debt is projected to reach \$675.7 million by the end of FY 2015-16. This reflects an increase of \$319.7 million over the past ten years, with most of the increase coming from the City's Electric and Water Utilities.

**Revenue-Supported Debt Levels**  
(In Millions)



The following table reflects the projected revenue-supported debt outstanding by the end of FY 2015-16 and the change in outstanding obligations from ten years ago for each area.

**Projected Revenue-Supported Outstanding Debt**  
**FYE 2015-16**  
**(In Millions)**

	<b>Projected Outstanding Debt</b>	<b>Change from 2007</b>
Electric Utility	\$399.7	\$241.8
Water Utility	110.8	55.9
Wastewater Utility	127.4	(4.5)
Env. Waste Svcs. - Delivery	10.0	5.6
Stormwater Management	.8	0.8
Internal Service	<u>27.0</u>	<u>20.1</u>
<b>Totals</b>	<b><u>\$675.7</u></b>	<b><u>\$319.7</u></b>

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

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

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



**Bond Ratings**

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

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

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

	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Total Expenditures</b>
<b>Tax-Supported</b>							
Park	\$ 7,252	\$ 4,659	\$ 4,690	\$ 3,108	\$ 1,454	\$ 11,164	\$ 32,327
Street	39,468	40,530	10,041	6,438	8,215	47,086	151,778
Drainage	3,863	3,037	1,019	1,000	5,271	2,500	16,690
Library	3,983	1,284	750	750	750	750	8,267
Public Safety	17,281	1,820	461	2,452	494	16,738	39,246
Landfill	3,932	3,746	2,391	2,250	1,156	-	13,475
Economic Development	8,689	1,297	2,420	2,098	880	7,931	23,315
Municipal Facilities/Miscellaneous	7,963	2,175	2,400	1,950	2,345	-	16,833
<b>Total Tax-Supported</b>	<b>\$ 92,431</b>	<b>\$ 58,548</b>	<b>\$ 24,172</b>	<b>\$ 20,046</b>	<b>\$ 20,565</b>	<b>\$ 86,169</b>	<b>\$ 301,931</b>
<b>Revenue-Supported</b>							
Miscellaneous	\$ 7,512	\$ 3,929	\$ 2,898	\$ 3,597	\$ 2,892	\$ -	\$ 20,828
Water	25,826	11,175	7,375	7,175	7,175	-	58,726
Wastewater	46,837	12,796	12,890	13,730	10,480	112,290	209,023
Electric	89,038	114,344	74,314	42,370	26,262	-	346,328
<b>Total Revenue-Supported</b>	<b>\$ 169,213</b>	<b>\$ 142,244</b>	<b>\$ 97,477</b>	<b>\$ 66,872</b>	<b>\$ 46,809</b>	<b>\$ 112,290</b>	<b>\$ 634,905</b>
 <b>Total CIP Expenditures</b>	 <b>\$ 261,644</b>	 <b>\$ 200,792</b>	 <b>\$ 121,649</b>	 <b>\$ 86,918</b>	 <b>\$ 67,374</b>	 <b>\$ 198,459</b>	 <b>\$ 936,836</b>

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

	2016	2017	2018	2019	2020	2021 to Completion	Total Debt
<b>Tax-Supported</b>							
<b>General Obligation Debt</b>							
Park	\$ 1,326	\$ 931	\$ 2,220	\$ 835	\$ 1,204	\$ 6,814	\$ 13,330
Street	4,158	16,530	4,970	2,158	3,239	37,075	68,130
Drainage	979	2,550	650	1,000	3,071	2,500	10,750
Public Safety	-	-	-	-	-	1,025	1,025
Economic Development	-	1,220	1,497	521	880	6,255	10,373
<b>Total Taxable GO</b>	<b>\$ 6,463</b>	<b>\$ 21,231</b>	<b>\$ 9,337</b>	<b>\$ 4,514</b>	<b>\$ 8,394</b>	<b>\$ 53,669</b>	<b>\$ 103,608</b>
<b>Tax-Supported</b>							
<b>Certificate of Obligation</b>							
Park	\$ 725	\$ 2,963	\$ 2,470	\$ 2,273	\$ 250	\$ 4,350	\$ 13,031
Street	5,031	5,236	3,655	4,280	4,976	10,011	33,189
Drainage	-	-	-	-	2,200	-	2,200
Library	1,982	1,209	750	750	750	750	6,191
Public Safety	4,712	1,820	461	2,452	494	15,713	25,652
Economic Development	1,150	-	923	1,577	-	1,673	5,323
Municipal Facilities/Miscellaneous	1,572	2,173	2,400	1,950	2,345	-	10,440
Landfill/Transfer Station	1,427	1,446	2,391	2,250	1,156	-	8,670
<b>Total Taxable CO</b>	<b>\$ 16,599</b>	<b>\$ 14,847</b>	<b>\$ 13,050</b>	<b>\$ 15,532</b>	<b>\$ 12,171</b>	<b>\$ 32,497</b>	<b>\$ 104,696</b>
<b>Revenue Bond/Commercial Paper</b>							
Water	\$ 11,210	\$ 11,151	\$ 7,375	\$ 7,175	\$ 7,175	\$ -	\$ 44,086
Wastewater	14,335	11,985	12,870	13,710	10,460	112,290	175,650
Electric	62,332	114,344	74,314	42,370	26,262	-	319,622
<b>Total Revenue Bond</b>	<b>\$ 87,877</b>	<b>\$ 137,480</b>	<b>\$ 94,559</b>	<b>\$ 63,255</b>	<b>\$ 43,897</b>	<b>\$ 112,290</b>	<b>\$ 539,358</b>
<b>Revenue</b>							
<b>Certificate of Obligation</b>							
MIS	\$ 316	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 316
Fleet Services	1,510	-	-	-	-	-	1,510
Env. Waste Svcs. - Delivery	3,919	3,429	2,398	3,097	2,392	-	15,235
Stormwater Management	252	500	500	500	500	-	2,252
<b>Total Revenue CO</b>	<b>\$ 5,997</b>	<b>\$ 3,929</b>	<b>\$ 2,898</b>	<b>\$ 3,597</b>	<b>\$ 2,892</b>	<b>\$ -</b>	<b>\$ 19,313</b>
<b>Total Debt Issuance</b>	<b>\$ 116,936</b>	<b>\$ 177,487</b>	<b>\$ 119,844</b>	<b>\$ 86,898</b>	<b>\$ 67,354</b>	<b>\$ 198,456</b>	<b>\$ 766,975</b>

# **DEBT ALLOCATION**

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

PROGRAM	TOTAL BONDS AUTHORIZED	BONDS ISSUED	APPROVED COMMERCIAL PAPER ISSUE	AUTHORIZATION OUTSTANDING	Bond/Commercial Paper Sales						2021 to Completion	Total
					2016	2017	2018	2019	2020			
Park 1991	\$5,144	\$5,144	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Park 1997	12,370	11,620	514	236	236	0	0	0	0	0	0	236
Cultural Arts 1997	3,440	3,440	0	0	0	0	0	0	0	0	0	0
Park 2004	21,680	3,745	4,841	13,094	1,090	931	2,220	835	1,204	6,814	13,094	
<b>TOTAL PARK and CULTURAL ARTS</b>	<b>\$42,634</b>	<b>\$23,949</b>	<b>\$5,355</b>	<b>\$13,330</b>	<b>\$1,326</b>	<b>\$931</b>	<b>\$2,220</b>	<b>\$835</b>	<b>\$1,204</b>	<b>\$6,814</b>	<b>\$13,330</b>	
Street 1991	\$42,497	\$42,497	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Street 1997	72,210	70,650	0	1,560	56	844	0	0	0	660	1,560	
Street 2004	113,370	41,675	5,125	66,570	4,102	15,686	4,970	2,158	3,239	36,415	66,570	
<b>TOTAL STREET</b>	<b>\$228,077</b>	<b>\$154,822</b>	<b>\$5,125</b>	<b>\$68,130</b>	<b>\$4,158</b>	<b>\$16,530</b>	<b>\$4,970</b>	<b>\$2,158</b>	<b>\$3,239</b>	<b>\$37,075</b>	<b>\$68,130</b>	
Drainage 1997	\$10,570	\$10,570	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Drainage 2004	28,000	15,425	1,825	10,750	979	2,550	650	1,000	3,071	2,500	10,750	
<b>TOTAL DRAINAGE</b>	<b>\$38,570</b>	<b>\$25,995</b>	<b>\$1,825</b>	<b>\$10,750</b>	<b>\$979</b>	<b>\$2,550</b>	<b>\$650</b>	<b>\$1,000</b>	<b>\$3,071</b>	<b>\$2,500</b>	<b>\$10,750</b>	
Library 1997	\$5,890	\$5,890	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Library 2004	9,400	8,590	810	0	0	0	0	0	0	0	0	0
<b>TOTAL LIBRARY</b>	<b>\$15,290</b>	<b>\$14,480</b>	<b>\$810</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
Public Safety 1991	\$7,226	\$7,201	\$25	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Public Safety 1997	19,890	19,090	800	0	0	0	0	0	0	0	0	0
Public Safety 2004	12,950	11,500	425	1,025	0	0	0	0	0	1,025	1,025	
<b>TOTAL PUBLIC SAFETY</b>	<b>\$40,066</b>	<b>\$37,791</b>	<b>\$1,250</b>	<b>\$1,025</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,025</b>	<b>\$1,025</b>	
Municipal Facilities 1997	\$1,710	\$1,710	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Economic Development 2004	\$11,180	\$2,010	\$2,162	\$7,008	\$0	\$1,220	\$1,497	\$521	\$880	\$2,890	\$7,008	
Land Acquisition 2004	\$3,420	\$55	\$0	\$3,365	\$0	\$0	\$0	\$0	\$0	\$3,365	\$3,365	
Harbor Point Project 2004	23,745	23,745	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>\$404,692</b>	<b>\$284,557</b>	<b>\$16,527</b>	<b>\$103,608</b>	<b>\$6,463</b>	<b>\$21,231</b>	<b>\$9,337</b>	<b>\$4,514</b>	<b>\$8,394</b>	<b>\$53,669</b>	<b>\$103,608</b>	
Total 1991	\$54,867	\$54,842	\$25	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total 1997	126,080	122,970	1,314	1,796	292	844	0	0	0	660	1,796	
Total 2004	223,745	106,745	15,188	101,812	6,171	20,387	9,337	4,514	8,394	53,009	101,812	
<b>TOTAL</b>	<b>\$404,692</b>	<b>\$284,557</b>	<b>\$16,527</b>	<b>\$103,608</b>	<b>\$6,463</b>	<b>\$21,231</b>	<b>\$9,337</b>	<b>\$4,514</b>	<b>\$8,394</b>	<b>\$53,669</b>	<b>\$103,608</b>	

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

<b>PROGRAM</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Total</b>
<b>Tax Supported</b>							
Drainage	\$0	\$0	\$0	\$0	\$2,200	\$0	\$2,200
Economic Development	1,150	0	923	1,577	0	1,673	5,323
Landfill	1,427	1,446	2,391	2,250	1,156	0	8,670
Library	1,982	1,209	750	750	750	750	6,191
Municipal Facilities	1,572	2,173	2,400	1,950	2,345	0	10,440
Park	725	2,963	2,470	2,273	250	4,350	13,031
Public Safety	4,712	1,820	461	2,452	494	24,682	34,621
Street	5,031	5,236	3,655	4,280	4,976	10,011	33,189
<b>Total Tax Supported</b>	<b>\$16,599</b>	<b>\$14,847</b>	<b>\$13,050</b>	<b>\$15,532</b>	<b>\$12,171</b>	<b>\$41,466</b>	<b>\$113,665</b>
<b>Internal Service</b>							
Fleet Services	\$1,510	\$0	\$0	\$0	\$0	\$0	\$1,510
Management Information Services	316	413	413	413	413	0	1,968
<b>Total Internal Service</b>	<b>\$1,826</b>	<b>\$413</b>	<b>\$413</b>	<b>\$413</b>	<b>\$413</b>	<b>\$0</b>	<b>\$3,478</b>
<b>Utilities</b>							
EWS	\$3,919	\$3,429	\$2,398	\$3,097	\$2,392	\$0	\$15,235
Stormwater Management	252	500	500	500	500	0	2,252
<b>Total Utilities</b>	<b>\$4,171</b>	<b>\$3,929</b>	<b>\$2,898</b>	<b>\$3,597</b>	<b>\$2,892</b>	<b>\$0</b>	<b>\$17,487</b>
<b>TOTAL ESTIMATED CO ISSUE:</b>	<b>\$22,596</b>	<b>\$19,189</b>	<b>\$16,361</b>	<b>\$19,542</b>	<b>\$15,476</b>	<b>\$41,466</b>	<b>\$134,630</b>

## 2016 CERTIFICATE OF OBLIGATION ISSUE

Park/Cultural Arts	
Central Park - Park Operations Facility Imprvmts.	\$440,000
Park Lighting Improvements - Parking Lots	60,000
Pedestrian/Bike Bridges - Duck Creek	<u>225,000</u>
Total Park/Cultural Arts:	<u><u>\$725,000</u></u>
Streets	
Holford Road - PGBT to Campbell Rd.	\$300,000
Holford Road - Arapaho to PGBT	425,000
Bobtown Road - Kelso to Barnes Bridge	300,000
Infrastructure Equipment	400,000
Structure for Sanding Material	100,000
Street Reconstruction and Improvements	<u>4,006,000</u>
Total Streets:	<u><u>\$5,531,000</u></u>
Library	
Library Materials	\$750,000
Central Library Fire Upgrades	299,000
RFID Service Delivery	<u>933,000</u>
Total Library:	<u><u>\$1,982,000</u></u>
Public Safety	
Fire Station No. 5	\$575,000
Ambulance Remounts	344,000
Radio System Replacement	<u>3,793,000</u>
Total Public Safety:	<u><u>\$4,712,000</u></u>

## 2016 CERTIFICATE OF OBLIGATION ISSUE

Economic Development	
Economic Development Office	<u>\$1,150,000</u>
Total Economic Development:	<u><u>\$1,150,000</u></u>
Facilities Management	
HVAC Replacement/Upgrade	\$278,000
Roof Replacement	300,000
Parking Lot Upgrades	<u>157,000</u>
Total Facilities Management:	<u><u>\$735,000</u></u>
Firewheel Golf Park	
Firewheel Golf Park Cart Replacements	<u>\$337,000</u>
Total Firewheel Golf Park:	<u><u>\$337,000</u></u>
Landfill/Transfer Station	
Replacement of Landfill Equipment	\$1,262,000
Automated Truck Wheel Wash System	<u>165,000</u>
Total Landfill/Transfer Station:	<u><u>\$1,427,000</u></u>
<b>TOTAL GENERAL OBLIGATION:</b>	<b><u><u>\$16,599,000</u></u></b>

## 2016 CERTIFICATE OF OBLIGATION ISSUE

Environmental Waste Services - Delivery	
95-Gallon Recycling Containers - Phases 4 thru 6	\$570,000
Replacement of Side-Load Residential Trucks	1,362,000
Replacement of Recycling Truck	300,000
Replacement of Rear-Load Residential Trucks	494,000
Replacement of Knuckle Boom Truck	171,000
Replacement of Brush Trailers	163,000
Replacement of Brush Tractor Trucks	259,000
Replacement of Commercial Front-Load Trucks	600,000
	<hr/>
Total Environmental Waste Services - Delivery:	<u>\$3,919,000</u>
Fleet Services	
Fleet Services Facility Renovation	<u>\$1,510,000</u>
Total Fleet Services:	<u>\$1,510,000</u>
Management Information Services	
Extended Fiber Optic Cable	\$221,000
Network and Cabling Upgrades	95,000
	<hr/>
Total Management Information Services:	<u>\$316,000</u>
Stormwater Management	
Stormwater Maintenance Equipment	<u>\$252,000</u>
Total Stormwater Management:	<u>\$252,000</u>
<b>TOTAL UTILITIES OBLIGATION:</b>	<b><u>\$5,997,000</u></b>
<b>TOTAL CO ISSUE:</b>	<b><u>\$22,596,000</u></b>

## 2016 REVENUE SUPPORTED COMMERCIAL PAPER ISSUE

### Water

Transmission Mains (16-Inch and Above)	\$2,460,000
Distribution Lines (Up to 14-Inch)	3,000,000
Relocation of Mains Prior to Paving	1,760,000
Fire Hydrant Installation	440,000
New Water Service Installation	300,000
Upgrade Undersized Water Mains	500,000
Water Distribution Line Replacement	750,000
Country Club Road Water Transmission Mains	2,000,000

Total Water: \$11,210,000

### Wastewater

Cured-in-Place Pipe Main & Lateral Rehab	\$700,000
Relocation of Mains Prior to Paving	1,080,000
Rowl-I - Campbell to Shiloh	350,000
Rowlett Interceptor Rehab	810,000
Rowlett Creek WWTP Processes Improvements	1,250,000
Duck Creek WWTP Replacements/Mods.	1,200,000
Rowlett Creek WWTP Biosolids Expansion	7,345,000
Duck Creek WWTP Processes Improvements	1,600,000

Total Wastewater: \$14,335,000

### Electric

Transmission Lines	\$5,336,000
Commercial and Industrial Construction	801,000
Distribution Lines - Overhead	3,426,000
Substations Upgrades	13,330,000
Various Improvements	496,000
Limestone to Gibbons Creek Transmission Line	38,943,000

Total Electric: \$62,332,000

**TOTAL COMMERCIAL PAPER OBLIGATION: \$87,877,000**

# **2015 CIP STATUS**

# CITY OF GARLAND CAPITAL IMPROVEMENT PROGRAM 2015 STATUS REPORT

## INTRODUCTION

The Capital Improvement Program (CIP) Status Report summarizes the current standing of projects included in the 2015 CIP, which was approved by the City Council on March 3, 2015. The Status Report is divided into three major sections including:

- 1) **Completion Rate** – Completion rate of the 2015 CIP for each program area. Reflects the percentage of 2015 funding projected to be expended by the end of the 2015 calendar year.
- 2) **Project Schedule** – A schedule reflecting each project included in the 2015 CIP, the completion date estimated at the time the CIP was adopted, and the revised completion date as submitted by departments in October 2015.
- 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

## 2015 CIP – COMPLETION RATE

Program Areas	Completion Rate
<b>Tax Supported Programs:</b>	
Park	39.7%
Street/Transportation	35.7%
Drainage	41.0%
Library	46.9%
Public Safety	46.1%
Economic Development	29.6%
Facilities and Miscellaneous	34.0%
Landfill/Transfer Station	100.0%
Total Tax Supported	38.9%
<b>Internal Service</b>	59.9%
<b>Utility Programs:</b>	
Environmental Waste Services	79.8%
Stormwater Management	48.8%
Water	33.0%
Wastewater	25.5%
Electric	67.8%
Total Utility Supported	46.7%
<b>Grand Total</b>	<b>43.6%</b>

Additional information is included that reflects the original completion dates as projected in December 2014 and updated completion dates as revised by departments in October 2015.

# **Project Schedule**

## 2015 CIP STATUS BY PROJECT

<u>Park</u>		Approved Completion Date	Revised Completion Date	Project Delay (Months)
18213	Atrium Renovations	June-2015	March-2016	(9)
18170	Various Park Improvements	Ongoing	Ongoing	
18209	Trail Development	Ongoing	Ongoing	
18318	Surf & Swim Aquatic Facility Expansion	Ongoing	Ongoing	
18320	Granger Recreation Center & Annex Renovation	August-2016	December-2019	(40)
18324	Bradfield, Wynne, & Holford Pools	December-2015	December-2016	(12)
18325	Audubon Recreation Center Expansion	December-2017	December-2019	(24)
18327	Gale Fields Recreation Center Expansion	April-2022	February-2023	(10)
18329	Tuckerville Park Sports Field Development	December-2024	December-2027	(36)
18330	Skating/Skateboard Facility	April-2017	May-2018	(13)
18331	Expand Centralized Irrigation/Lighting Control	Ongoing	Ongoing	
18332	Land Acquisition	Ongoing	Ongoing	
18333	Trail Development	Ongoing	Ongoing	
18334	Audubon Park Picnic Area Paving Replacement	December-2022	December-2022	
18335	Gatewood Picnic Pavilion	December-2018	December-2019	(12)
18337	Windsurf Bay Park	December-2015	December-2017	(24)
18338	Playground Improvements	Ongoing	Ongoing	
18345	Repaving of Parking Lots for Parks Department	Ongoing	Ongoing	
18346	Central Park - Park Operations Facility Improvements	September-2023	September-2023	
18347	Dog Park	December-2017	December-2017	
18348	Park Lighting Improvements - Parking Lots	Ongoing	Ongoing	
18349	Downtown Square - Fountain/Pool Paving	November-2015	COMPLETE	
18350	Fencing - Audubon and Winters Soccer Complex	December-2015	April-2016	(4)

## 2015 CIP STATUS BY PROJECT

<b>Street/Transportation</b>		<b>Approved Completion Date</b>	<b>Revised Completion Date</b>	<b>Project Delay (Months)</b>
14176	New Sidewalks	Ongoing	Ongoing	
14200	Street and Alley Petition	Ongoing	Ongoing	
14202	Sidewalk / Curb & Gutter Participation	Ongoing	Ongoing	
14255	Fifth Street - Miller to Avenue D - Phase B	December-2020	December-2020	
14257	Pleasant Valley - Firewheel Pkwy. to Richfield	December-2015	March-2016	(3)
14261	Oates Road - Broadway to Rosehill	December-2016	October-2017	(10)
14263	Dairy Road - E. Celeste to Broadway	January-2015	COMPLETE	
14264	Callejo Road - Botello to Campbell	December-2025	December-2025	
14265	Chaha Road - I.H. 30 to Zion	December-2024	December-2024	
14266	Chaha Road - I.H. 30 to Lake Ray Hubbard Pkwy.	December-2025	December-2025	
14272	Bobtown Road - Rowlett to Waterhouse	October-2017	December-2018	(14)
14273	Brand Road - S.H. 190 to Muirfield	December-2020	December-2017	36
14279	Northwest Highway - Centerville to La Prada	December-2015	February-2016	(2)
14288	Shiloh Road - I.H. 635 to Kingsley	December-2016	June-2018	(18)
14292	Pleasant Valley Road Bridge	December-2017	December-2017	
14294	Miller Road Bridge	December-2015	October-2016	(10)
14300	Fifth Street - Miller to Kingsley	December-2017	December-2017	
14301	Screen Wall Reconstruction	Ongoing	Ongoing	
14302	Naaman School/Brand/Campbell Alignment	June-2016	June-2017	(12)
14303	Waterhouse - Bobtown to Hayman	December-2016	December-2017	(12)
15170	Operational and Safety Improvements	Ongoing	Ongoing	
15217	Miscellaneous Equipment and Services	Ongoing	Ongoing	
15508	New Traffic Signal Installations	Ongoing	Ongoing	
15530	Traffic Control System	Ongoing	Ongoing	
15544	LED Replacement Program	Ongoing	Ongoing	
15546	Emergency Services Signal Equipment	Ongoing	Ongoing	
15578	Railroad Crossing Improvements	Ongoing	Ongoing	
15596	North-South Bikeway	December-2017	December-2017	
15620	Signal Equipment Modernizations	Ongoing	Ongoing	
15751	Train Quiet Zone	Ongoing	Ongoing	
14304	LBJ Sound Wall Aesthetics	June-2015	June-2016	(12)
39815	Chandler Drive - Cedar Dr. to Ewing Dr.	September-2015	COMPLETE	
39816	Alamo Lane - Northwood Dr. to Sylvan Dr.	September-2015	COMPLETE	
39817	Edgefield Drive - First St. to Third St.	September-2015	COMPLETE	
39818	Street Reconstruction and Improvements	Ongoing	Ongoing	

## 2015 CIP STATUS BY PROJECT

		Approved Completion Date	Revised Completion Date	Project Delay (Months)
<b><u>Drainage</u></b>				
14230	Miscellaneous Flooding	Ongoing	Ongoing	
14231	Petition Drainage	Ongoing	Ongoing	
14244	Classic and Yale	December-2020	December-2020	
14245	Garland Heights / Freeman	December-2021	December-2021	
14246	Parkmont Drive	December-2017	December-2017	
14248	Bridge Remediation	December-2015	December-2016	(12)
14299	Downtown Drainage Improvements	June-2015	June-2016	(12)
<b><u>Library</u></b>				
19580	Library Materials	Ongoing	Ongoing	
19581	Facilities Upgrades	Ongoing	Ongoing	
19584	Central Library Parking Lot Lighting	June-2015	May-2016	(11)
19585	Central Library Fire Upgrades	December-2015	May-2016	(5)
19587	RFID Service Delivery	December-2017	December-2017	
<b><u>Public Safety</u></b>				
<b>Fire</b>				
12032	Fire Station No. 5	December-2016	December-2016	
12107	Ambulance Remounts	Ongoing	Ongoing	
12099	Remodel Fire Station No. 7	December-2022	December-2022	
12101	Relocate Fire Station No. 1	December-2025	December-2025	
12058	Replace Fire Apparatus	Ongoing	Ongoing	
12108	Emergency Response Safety Equipment/Services	Ongoing	Ongoing	
<b>Management Information Services</b>				
23047	Radio System Replacement	December-2016	December-2016	

## 2015 CIP STATUS BY PROJECT

		Approved Completion Date	Revised Completion Date	Project Delay (Months)
<b><u>Economic Development</u></b>				
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-2018	December-2019	(12)
10042	Downtown Gateways	December-2016	December-2017	(12)
10043	Downtown Square Design & Construction	December-2017	December-2019	(24)
10044	Forest/Jupiter Streetscape	December-2019	December-2020	(12)
10049	Commercial Corridor Revitalization	December-2022	December-2022	
10127	Walnut Street Pedestrian Corridor	December-2015	December-2016	(12)
10136	City Center Development	June-2016	June-2016	
<b><u>Municipal Facilities and Miscellaneous Tax Supported</u></b>				
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	
16063	City Hall HVAC System Replacement	September-2015	COMPLETE	
16066	Carver 3 Renovation	December-2015	September-2016	(9)
16104	City Hall Code/Safety Updates	October-2015	October-2016	(12)
Firewheel				
36529	Firewheel Golf Park Equipment	Ongoing	Ongoing	
36530	Firewheel Golf Park Improvements	December-2019	December-2020	(12)
36531	Firewheel Golf Park Cart Replacements	Ongoing	Ongoing	
Public & Media Relations				
16084	CGTV - Upgrades	Ongoing	Ongoing	
Street				
39811	Infrastructure Equipment	Ongoing	Ongoing	
39818	Structure for Sanding Material	December-2015	December-2016	(12)

## 2015 CIP STATUS BY PROJECT

		Approved Completion Date	Revised Completion Date	Project Delay (Months)
<b>Miscellaneous Revenue Supported and Internal Service</b>				
EWS Group - Delivery				
21070	95-Gallon Recycling Containers - Phase 4 thru 6	December-2017	October-2017	2
21068	Replacement of Side-Load Residential Trucks	Ongoing	Ongoing	
21069	Replacement of Recycling Truck	Ongoing	Ongoing	
21071	Replacement of Rear-Load Residential Trucks	Ongoing	Ongoing	
21072	Replacement of Knuckle Boom Trucks	Ongoing	Ongoing	
21074	Replacement of Brush Trailers	Ongoing	Ongoing	
21073	Replacement of Brush Tractor Trucks	Ongoing	Ongoing	
21075	Replacement of Commercial Front-Load Trucks	Ongoing	Ongoing	
Fleet Services				
19030	Fuel System Upgrade	December-2015	December-2016	(12)
19033	Fleet Services Facility Renovation	December-2015	December-2016	(12)
Management Information Services				
23045	Extend Fiber Optic Cable	Ongoing	Ongoing	
23019	Network and Cabling Upgrades	Ongoing	Ongoing	
23056	Relocation of ITS to DDI Building	December-2015	COMPLETE	
23058	City Hall UPS Upgrade / Data Center Renovation	March-2015	COMPLETE	
Stormwater Management				
39818	Stormwater Maintenance Equipment	Ongoing	Ongoing	
<b>Landfill/Transfer Station</b>				
17151	Replacement of Landfill Equipment	Ongoing	Ongoing	
17150	Replacement of Transfer Station Equipment	Ongoing	Ongoing	

## 2015 CIP STATUS BY PROJECT

		Approved Completion Date	Revised Completion Date	Project Delay (Months)
<b><u>Water</u></b>				
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 Rehab	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-2017	December-2017	(6)
30222	West Pressure Plane Improvements	December-2016	December-2017	(12)
30225	Water Utilities Field Operations Building Remodel	December-2015	COMPLETE	
30231	Pleasant Valley Water Main	December-2015	December-2016	(12)
<b><u>Wastewater</u></b>				
32123	Participation In New Sewer Development	Ongoing	Ongoing	
32124	Infiltration Correction - Various	Ongoing	Ongoing	
32147	Sewer Collection Mains - Manholes	Ongoing	Ongoing	
32148	Sanitary Sewer Taps - New or Relocations	Ongoing	Ongoing	
32149	Collection Mains	Ongoing	Ongoing	
32151	Sewer Lift Station Rehab	Ongoing	Ongoing	
32154	Cured-in-Place Pipe Main & Lateral Rehab	Ongoing	Ongoing	
32157	Relocation of Mains Prior to Paving	Ongoing	Ongoing	
32161	Rowl-1 - Campbell to Shiloh	November-2018	November-2019	(12)
32174	Lift Station Abandonment	December-2015	December-2016	(12)
32181	Duck Creek Greenbelt Trail Extension	May-2015	May-2016	(12)
32183	Duck Creek Interceptor Rehab	December-2022	December-2022	
32184	Rowlett Interceptor Rehab	December-2020	December-2021	(12)
32187	S.H. 190 Catalyst Area	December-2016	December-2017	(12)
33028	Rowlett Creek WWTP Processes Improvements	Ongoing	Ongoing	
33029	Rowlett Creek WWTP Replacements/Mods.	Ongoing	Ongoing	

## 2015 CIP STATUS BY PROJECT

		Approved Completion Date	Revised Completion Date	Project Delay (Months)
<b>Wastewater (Continued)</b>				
34027	Duck Creek WWTP Replacements/Mods.	Ongoing	Ongoing	
34035	Rowlett Creek WWTP Biosolids Expansion	Ongoing	Ongoing	
34038	Duck Creek WWTP Processes Improvements	Ongoing	Ongoing	
34039	Duck Creek Laboratory Building Demolition	September-2015	September-2016	(12)
<b>Electric</b>				
31173	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	
31531	Distribution Lines - Overhead	Ongoing	Ongoing	
31551	Production	Ongoing	Ongoing	
31621	Distribution Lines - Underground	Ongoing	Ongoing	
31717	Substations Upgrades	Ongoing	Ongoing	
31885	Various Improvements	Ongoing	Ongoing	

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

### **1991 Bond Program**

Of the total funds available for projects included in the 1991 Bond Program, 99.6% was projected to be expended by the end of the 2015 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 2016. Additional details regarding outstanding projects approved in the 1991 Bond Referendum are included in the last section of the Status Report.

### **1997 Bond Program**

Of the total funds available for projects included in the 1997 Bond Program, 97.2% was projected to be expended by the end of the 2015 calendar year. Of the \$126.1 million in General Obligation (GO) Bonds authorized in the 1997 Referendum, \$124.6 million (98.8%) will have actually been issued by the end of 2016. Additional details regarding outstanding projects approved in the 1997 Bond Referendum are included in the last section of the Status Report.

### **2004 Bond Program**

Of the total funds available for projects included in the 2004 Bond Program, 48.7% was projected to be expended by the end of the 2015 calendar year. Of the \$223.7 million in General Obligation (GO) Bonds authorized in the 2004 Referendum, \$126.2 million (56.4%) will have actually been issued by the end of 2016. Additional details regarding outstanding projects approved in the 2004 Bond Referendum are included in the last section of the Status Report.

**CITY OF GARLAND  
 CURRENT STATUS OF UNSPENT 1991 GO BONDS  
 DECEMBER 2015  
 (In 000's Dollars)**

<b>Project No.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>2016</b>	<b>2017</b>	<b>2018 to Completion</b>	<b>Remaining to Fund</b>	<b>Projected Completion Date</b>
<b><u>Park</u></b>								
*18338	Playground Improvements	P15	GOB91	\$38	\$0	\$0	\$38	Ongoing
	Total			\$38	\$0	\$0	\$38	
<b><u>Public Safety - Fire</u></b>								
*12032	Relocate Fire Station No. 5	PS01	GOB91	\$205	\$0	\$0	\$205	Dec 2016
	Total			\$205	\$0	\$0	\$205	
<b>Grand Total - 1991 Bond Program</b>				<b>\$243</b>	<b>\$0</b>	<b>\$0</b>	<b>\$243</b>	

\* Additional funding in 2004 Program

**CITY OF GARLAND  
CURRENT STATUS OF UNSPENT 1997 GO BONDS  
DECEMBER 2015  
(In 000's Dollars)**

<b>Project No.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>2016</b>	<b>2017</b>	<b>2018 to Completion</b>	<b>Remaining to Fund</b>	<b>Projected Completion Date</b>
<b><u>Park</u></b>								
*18209	Trail Development	P03	GOB97	\$734	\$0	\$0	\$734	Ongoing
	Total			\$734	\$0	\$0	\$734	
<b><u>Street/Transportation</u></b>								
14299	Fifth Street - Miller to Kingsley	ST16	GOB97	\$845	\$844	\$0	\$1,689	Dec 2017
*15578	Railroad Crossing Improvements	ST29	GOB97	197	0	0	197	Ongoing
15596	North-South Bikeway	ST30	GOB97	240	0	0	240	Dec 2017
	Undesignated		GOB97	0	0	660	660	
	Total			\$1,282	\$844	\$660	\$2,786	
<b>Grand Total - 1997 Bond Program</b>				<b>\$2,016</b>	<b>\$844</b>	<b>\$660</b>	<b>\$3,520</b>	

\* Additional funding in 2004 Program

**CITY OF GARLAND  
CURRENT STATUS OF UNSPENT 2004 GO BONDS  
DECEMBER 2015  
(In 000's Dollars)**

<b>Project No.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>2016</b>	<b>2017</b>	<b>2018 to Completion</b>	<b>Remaining to Fund</b>	<b>Projected Completion Date</b>
<b><u>Park</u></b>								
18209	Trail Development	P02	GOB04	\$50	\$450	\$200	\$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	1,069	0	0	1,069	Dec 2019
18324	Bradfield, Wynne, & Holford Pools	P05	GOB04	116	0	0	116	Dec 2016
18325	Audubon Recreation Center Expansion	P06	GOB04	200	50	2,430	2,680	Dec 2019
18327	Gale Fields Recreation Center - Addition	P07	GOB04	0	0	1,000	1,000	Feb 2023
18329	Tuckerville Park Sports Field Development	P08	GOB04	10	0	4,974	4,984	Dec 2027
18330	Skating/Skateboard Facility	P09	GOB04	68	431	0	499	May 2018
18331	Expand Centralized Irrig./Lighting Control	P10	GOB04	80	0	140	220	Ongoing
18332	Land Acquisition	P11	GOB04	655	0	0	655	Ongoing
18334	Audubon Picnic Area	P12	GOB04	0	0	700	700	Dec 2022
18335	Gatewood Picnic Pavilion	P13	GOB04	0	0	425	425	Dec 2019
18337	Windsurf Bay Park	P14	GOB04	200	500	0	700	Dec 2017
18338	Playground Improvements	P15	GOB04	316	0	0	316	Ongoing
	Total			<u>\$2,764</u>	<u>\$1,431</u>	<u>\$11,073</u>	<u>\$15,268</u>	
<b><u>Drainage</u></b>								
14230	Miscellaneous Flooding	D01	GOB04	\$547	\$0	\$0	\$547	Ongoing
14231	Petition Drainage	D02	GOB04	300	487	531	1,318	Ongoing
14244	Classic and Yale	D03	GOB04	100	0	2,859	2,959	Dec 2020
14245	Garland Heights / Freeman	D04	GOB04	0	0	4,200	4,200	Dec 2021
14246	Parkmont Drive	D05	GOB04	1,125	2,550	0	3,675	Dec 2017
	Total			<u>\$2,072</u>	<u>\$3,037</u>	<u>\$7,590</u>	<u>\$12,699</u>	

**CITY OF GARLAND  
CURRENT STATUS OF UNSPENT 2004 GO BONDS  
DECEMBER 2015  
(In 000's Dollars)**

<b>Project No.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>2016</b>	<b>2017</b>	<b>2018 to Completion</b>	<b>Remaining to Fund</b>	<b>Projected Completion Date</b>
<b><u>Street/Transportation</u></b>								
14176	New Sidewalks	ST01	GOB04	\$350	\$475	\$575	\$1,400	Ongoing
14200	Street and Alley Petition	ST02	GOB04	325	325	1,132	1,782	Ongoing
14202	Sidewalk / Curb & Gutter Participation	ST03	GOB04	280	350	743	1,373	Ongoing
14255	Fifth Street - Miller to Avenue D (Phase B)	ST04	GOB04	0	0	1,489	1,489	Dec 2020
14257	Pleasant Valley - Firewheel Pkwy. to Richfield	ST05	GOB04	0	0	0	0	Mar 2016
14261	Oates Road - Broadway to Rosehill	ST06	GOB04	1,375	3,490	0	4,865	Oct 2017
14264	Callejo Road - Botello to Campbell	ST07	GOB04	0	0	6,000	6,000	Dec 2025
14265	Chaha Road - I.H. 30 to Zion	ST08	GOB04	0	0	1,000	1,000	Dec 2024
14266	Chaha Rd. - I.H. 30 to Lake Ray Hubbard Pkwy.	ST09	GOB04	0	0	2,422	2,422	Dec 2025
14272	Bobtown Road - Rowlett to Waterhouse	ST10	GOB04	410	2,415	2,225	5,050	Dec 2018
14273	Brand Road - S.H. 190 to Muirfield	ST11	GOB04	1,550	7,050	0	8,600	Dec 2017
14279	Northwest Highway - Centerville to La Prada	ST12	GOB04	0	0	0	0	Feb 2016
14288	Shiloh Road - I.H. 635 to Kingsley	ST13	GOB04	5,232	920	240	6,392	Jun 2018
15170	Operational and Safety Improvements	ST23	GOB04	558	0	555	1,113	Ongoing
15508	New Traffic Signal Installations	ST25	GOB04	350	300	1,088	1,738	Ongoing
15530	Traffic Control System	ST27	GOB04	160	250	3,368	3,778	Ongoing
15546	Emergency Services Signal Equipment	ST28	GOB04	11	125	325	461	Ongoing
15578	Railroad Crossing Improvements	ST29	GOB04	0	150	850	1,000	Ongoing
15620	Signal Equipment Modernizations	ST31	GOB04	375	350	950	1,675	Ongoing
15751	Train Quiet Zone	ST32	GOB04	108	0	1,675	1,783	Ongoing
	Undesignated		GOB04	0	0	22,210	22,210	
	Total			\$11,084	\$16,200	\$46,847	\$74,131	

**CITY OF GARLAND  
CURRENT STATUS OF UNSPENT 2004 GO BONDS  
DECEMBER 2015  
(In 000's Dollars)**

Project No.	Project Description	Page	Funding Source	2016	2017	2018 to Completion	Remaining to Fund	Projected Completion Date
<b><u>Public Safety - Fire</u></b>								
12032	Relocate Fire Station No. 5	PS01	GOB04	\$347	\$0	\$0	\$347	Dec 2016
12099	Remodel Fire Station No. 7	PS02	GOB04	0	0	425	425	Dec 2022
12101	Relocate Fire Station No. 1	PS03	GOB04	0	0	600	600	Dec 2025
	Total			<u>\$347</u>	<u>\$0</u>	<u>\$1,025</u>	<u>\$1,372</u>	
<b><u>Economic Development</u></b>								
10032	Land Acquisition	ED03	GOB04	\$0	\$0	\$3,365	\$3,365	Ongoing
10034	Neighborhood Vitality Grant Program	ED04	GOB04	524	520	1,041	2,085	Dec 2019
10042	Downtown Gateways	ED05	GOB04	100	700	0	800	Dec 2017
10043	Downtown Square Design	ED06	GOB04	300	0	877	1,177	Dec 2018
10044	Forest/Jupiter Streetscape	ED07	GOB04	0	0	980	980	Dec 2020
10049	Commercial Corridor Revitalization	ED08	GOB04	0	0	2,890	2,890	Dec 2022
	Total			<u>\$924</u>	<u>\$1,220</u>	<u>\$9,153</u>	<u>\$11,297</u>	
<b>Grand Total - 2004 Bond Program</b>				<b><u>\$17,191</u></b>	<b><u>\$21,888</u></b>	<b><u>\$75,688</u></b>	<b><u>\$114,767</u></b>	

# **DETAIL PROJECT SUMMARIES**

**PARK DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
18213	Atrium Renovations	P01	CO	\$240	\$142	\$0	\$0	\$0	\$0	\$0	\$382
18209	Trail Development	P02	GOB97/04/Other	282	1,873	450	200	0	0	0	2,805
18318	Surf & Swim Aquatic Facility Expansion	P03	GOB04	751	0	0	0	0	1,204	0	1,955
18320	Granger Recreation Center & Annex Renovation	P04	GOB04/UNF	81	1,069	1,558	1,800	558	0	0	5,066
18324	Bradfield, Wynne, & Holford Pools	P05	GOB04	1,913	116	0	0	0	0	0	2,029
18325	Audubon Recreation Center Expansion	P06	GOB04/UNF	120	200	50	2,020	1,410	0	0	3,800
18327	Gale Fields Recreation Center Expansion	P07	GOB04	0	0	0	0	0	0	1,000	1,000
18329	Tuckerville Park Sports Field Development	P08	GOB04	16	10	0	0	0	0	4,974	5,000
18330	Skating/Skateboard Facility	P09	GOB04/UNF	1	68	551	380	0	0	0	1,000
18331	Expand Centralized Irrigation/Lighting Control	P10	GOB04	30	80	0	0	0	0	140	250
18332	Land Acquisition	P11	GOB04	345	655	0	0	0	0	0	1,000
18334	Audubon Park Picnic Area Paving Replacement	P12	GOB04	0	0	0	0	0	0	700	700
18335	Gateway Picnic Pavilion	P13	GOB04	0	0	0	0	425	0	0	425
18337	Windsurf Bay Park	P14	GOB04	0	200	500	0	0	0	0	700
18338	Playground Improvements	P15	GOB91/04/INT	185	383	0	0	0	0	0	568
18345	Repaving of Parking Lots for Parks Dept.	P16	CO/UNF	65	1,195	625	250	715	250	1,280	4,380
18346	Central Park - Park Operations Facility Imprvmts.	P17	CO/UNF	615	440	0	0	0	0	3,070	4,125
18347	Dog Park	P18	CO/UNF	5	80	885	0	0	0	0	970
18348	Park Lighting Improvements - Parking Lots	P19	CF/CO/UNF	0	96	40	40	0	0	0	176
18350	Fencing - Audubon and Winters Soccer Complex	P20	CO	20	120	0	0	0	0	0	140
18351	* Pedestrian/Bike Bridges - Duck Creek	P21	CO	0	225	0	0	0	0	0	225
18352	* Granville Arts Ctr - Art Sculpture	P22	CF/Other	0	300	0	0	0	0	0	300
<b>Total</b>				<b>\$4,669</b>	<b>\$7,252</b>	<b>\$4,659</b>	<b>\$4,690</b>	<b>\$3,108</b>	<b>\$1,454</b>	<b>\$11,164</b>	<b>\$36,996</b>
Total Existing CO's/Current Funds/Interest/Other Unfunded				\$945	\$2,991	\$265	\$0	\$0	\$0	\$0	\$4,201
2016 Certificates of Obligation				0	0	2,963	2,470	2,273	250	4,350	12,306
Total 1991 Bond Program				0	725	0	0	0	0	0	725
Total 1997 Bond Program				0	38	0	0	0	0	0	38
Total 2004 Bond Program				282	734	0	0	0	0	0	1,016
Total				<b>3,442</b>	<b>2,764</b>	<b>1,431</b>	<b>2,220</b>	<b>835</b>	<b>1,204</b>	<b>6,814</b>	<b>18,710</b>
<b>Total</b>				<b>\$4,669</b>	<b>\$7,252</b>	<b>\$4,659</b>	<b>\$4,690</b>	<b>\$3,108</b>	<b>\$1,454</b>	<b>\$11,164</b>	<b>\$36,996</b>

\*Projects funded for the first time

**PARK DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**DEBT ISSUANCE REQUIREMENTS**

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Project Status</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021 to Completion</u>	<u>Project Total</u>
<b><u>Park</u></b>										
18209	Trail Development	P02	Appr.	\$286	\$450	\$200	\$0	\$0	\$0	\$936
18218	Surf & Swim Aquatic Facility Expansion	P03	Appr.	0	0	0	0	1,204	0	1,204
18320	Granger Recreation Center & Annex Renovation	P04	Appr.	460	1,558	1,800	558	0	0	4,376
18325	Audubon Recreation Center Expansion	P06	Appr.	80	50	2,020	1,410	0	0	3,560
18327	Gale Fields Recreation Center Expansion	P07	Appr.	0	0	0	0	0	1,000	1,000
18329	Tuckerville Park Sports Field Development	P08	Appr.	0	0	0	0	0	4,974	4,974
18330	Skating/Skateboard Facility	P09	Appr.	20	551	380	0	0	0	951
18331	Expand Centralized Irrigation/Lighting Control	P10	Appr.	80	0	0	0	0	140	220
18332	Land Acquisition	P11	Appr.	400	0	0	0	0	0	400
18334	Audubon Park Picnic Area Paving Replacement	P12	Appr.	0	0	0	0	0	700	700
18335	Gatewood Picnic Pavilion	P13	Appr.	0	0	0	425	0	0	425
18345	Repaving of Parking Lots for Parks Dept.	P16	Appr.	0	625	250	715	250	1,280	3,120
18346	Central Park - Park Operations Facility Imprvmts.	P17	Appr.	440	0	0	0	0	3,070	3,510
18347	Dog Park	P18	Appr.	0	620	0	0	0	0	620
18348	Park Lighting Improvements - Parking Lots	P19	Appr.	60	40	40	0	0	0	140
18351	* Pedestrian/Bike Bridges - Duck Creek	P21	Appr.	225	0	0	0	0	0	225
	Total			<u>\$2,051</u>	<u>\$3,894</u>	<u>\$4,690</u>	<u>\$3,108</u>	<u>\$1,454</u>	<u>\$11,164</u>	<u>\$26,361</u>
	Total Approved			\$2,051	\$3,894	\$4,690	\$3,108	\$1,454	\$11,164	\$26,361
	Total Unapproved			0	0	0	0	0	0	0
	Total			<u>\$2,051</u>	<u>\$3,894</u>	<u>\$4,690</u>	<u>\$3,108</u>	<u>\$1,454</u>	<u>\$11,164</u>	<u>\$26,361</u>

\*Projects funded for the first time



PAGE NO: <b>P02</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 1, 8, TBD		
CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST				PROJECT NO(S). 18209 18333		ACCOUNT NO(S). 612-2499-1820900 614-2499-1833304				
DEPARTMENT <b>PARKS &amp; RECREATION</b>		PROJECT TITLE <b>TRAIL DEVELOPMENT</b>				PROJECT DESCRIPTION This project includes local funding, Federal CMAQ funds, and Dallas County funding for development of the Winters Park / Spring Creek Greenbelt Trail. The trail is identified in the NCTCOG 2004 Regional Bike Plan.			FUNDING SOURCE(S) 1997 Bond Fund \$ 1,016,000 TxDOT 724,568 Dallas County 364,321 2004 Bond Fund 700,000  TOTAL FUNDED \$ 2,804,889 UNFUNDED \$ PROJECT TOTAL \$ 2,804,889	
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations 15,000 # of Positions _____ Capital Total \$15,000		IMPACT EXPLANATION Impacts to the Operating Budget begin in full in FY 2018-19 for park maintenance of approximately two miles of concrete trail, site furnishings, and signage; maintenance includes follow-up mowing, edging, litter pickup, and facility repair in currently undeveloped areas of Winters Park and the Spring Creek Greenbelt.							STRIP MAP	
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Design		282	180						462	
Land/Right-of-Way										
Construction			1,693	450	200				2,343	
Landscaping										
Equip. & Furnish.										
Other										
<b>TOTAL COSTS</b>		282	1,873	450	200				2,805	
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Current Funds										
GO's/Com Paper Issued		780							780	
GO's Unissued			286	450	200				936	
RB's/Com Paper										
Certificates of Obligation										
Other (TxDOT/County)			1,089						1,089	
<b>Unfunded</b>										
<b>TOTAL SOURCES</b>		780	1,375	450	200				2,805	
		<b>PROJECT SCHEDULE</b>		<b>START</b>		<b>FINISH</b>				
		Design								
		Land/Right-of-Way								
		Construction								
		Finish Out								
		Other								
		<b>TOTAL SCHEDULE</b>		(Ongoing		Project)				



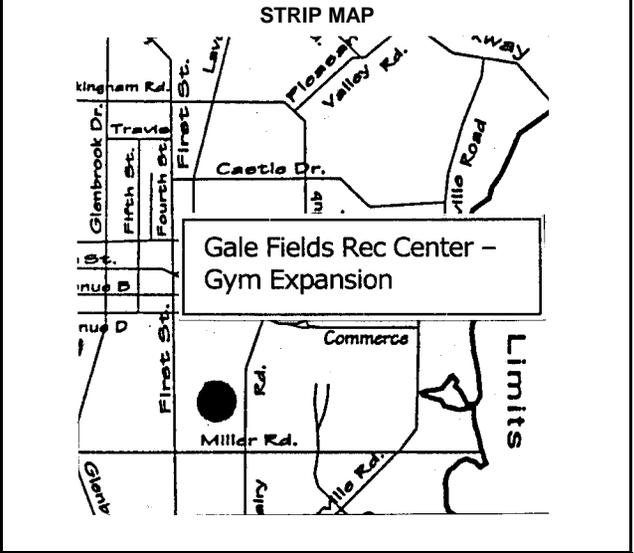






PAGE NO: <b>P07</b>		<i>Unfunded Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) 2	
DEPARTMENT PARKS & RECREATION			PROJECT TITLE GALE FIELDS RECREATION CENTER EXPANSION					PROJECT NO(S) 18327		ACCOUNT NO(S) 614-2499-1832704	
PROJECT DESCRIPTION Building expansion will facilitate space for additional active recreational programming.											
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION								
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel Operations      1,100 # of Positions _____ Capital _____ Total      \$1,100			Impacts the Operating Budget by an additional \$1,100 per year for maintenance of additional square footage for interior finishes, flooring, and recreational equipment.								
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Design								160	160		
Land/Right-of-Way											
Construction								840	840		
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>								1,000	1,000		
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued								1,000	1,000		
RB's/Com Paper											
Certificates of Obligation											
Other											
<b>Unfunded</b>											
<b>TOTAL SOURCES</b>								1,000	1,000		

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



PROJECT SCHEDULE	START	FINISH
Design	5/2021	1/2022
Land/Right-of-Way		
Construction	1/2022	2/2023
Finish Out		
Other		
<b>TOTAL SCHEDULE</b>	<b>5/2021</b>	<b>2/2023</b>

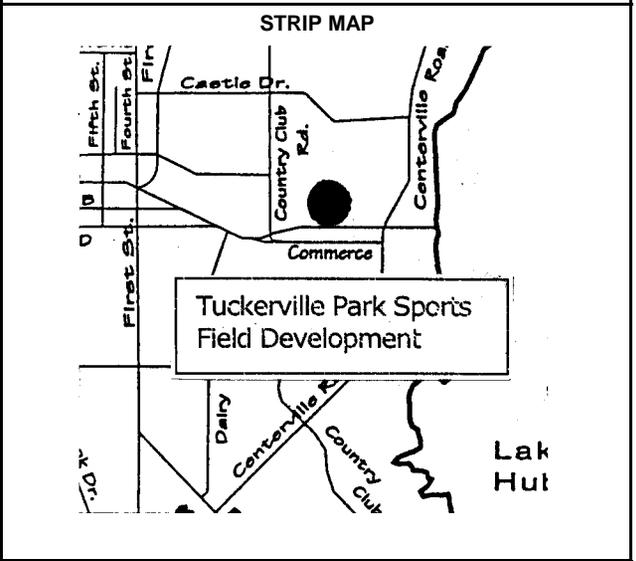
<b>DEPARTMENT</b> PARKS & RECREATION	<b>PROJECT TITLE</b> TUCKERVILLE PARK SPORTS FIELD DEVELOPMENT	<b>PROJECT NO(S)</b> 18329	<b>ACCOUNT NO(S)</b> 614-2499-1832904
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**PROJECT DESCRIPTION**  
Funding provides for initial developmenet of this park with lighted athletic fields, parking, utilities, restrooms, concessions, and neighborhood park elements such as a playground and walking path. Design funds to date included conceptual master planning to determine initial planning and land surveys.

<b>FUNDING SOURCE(S)</b>	
2004 Bond Fund	\$ 5,000,000
<b>TOTAL FUNDED</b> \$ 5,000,000	
<b>UNFUNDED</b> \$	
<b>PROJECT TOTAL</b> \$ 5,000,000	

<b>IMPACT ON OPERATING BUDGET</b>	<b>IMPACT EXPLANATION</b>
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations    102,000 Capital Total                    \$102,000	This is currently an undeveloped 62-acre tract. Phase I development will add approximately \$102,000 annually to the Operating Budget for additional maintenance related to items such as fencing, restrooms, concessions, irrigation, sports lighting, shade canopies, turf management, signage, and site furnishings.

*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design	16	10					600	626
Land/Right-of-Way								
Construction							4,374	4,374
Landscaping								
Equip. & Furnish.								
Other								
<b>TOTAL COSTS</b>	16	10					4,974	5,000
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Current Funds								
GO's/Com Paper Issued	26							26
GO's Unissued							4,974	4,974
RB's/Com Paper								
Certificates of Obligation								
Other								
<b>Unfunded</b>								
<b>TOTAL SOURCES</b>	26						4,974	5,000



PROJECT SCHEDULE	START	FINISH
Design	12/2005	12/2024
Land/Right-of-Way		
Construction	8/2025	12/2027
Finish Out		
Other		
<b>TOTAL SCHEDULE</b>	12/2005	12/2027

PAGE NO: <b>P09</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A											
DEPARTMENT PARKS & RECREATION		PROJECT TITLE SKATING/SKATEBOARD FACILITY						PROJECT NO(S). 18330		ACCOUNT NO(S). 614-2499-1833004										
PROJECT DESCRIPTION Facility for skating/skateboarding and related activities (location to be determined as part of the initial design phase).																				
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION																
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel Operations      2,000 # of Positions _____ Capital Total <u>\$2,000</u>				The Skating/Skateboard Facility will impact the Operating Budget by approximately \$2,000 per year. This project will require funding for additional turf and trim maintenance, concrete repairs, site furnishings, and fence repairs.																
<table style="width:100%; border:none;"> <tr> <td style="width:60%;"></td> <td style="text-align:right;">TOTAL FUNDED</td> <td style="border-bottom:1px solid black;">\$ 500,000</td> </tr> <tr> <td></td> <td style="text-align:right;">UNFUNDED</td> <td style="border-bottom:1px solid black;">\$ 500,000</td> </tr> <tr> <td></td> <td style="text-align:right;">PROJECT TOTAL</td> <td style="border-bottom:3px double black;">\$ 1,000,000</td> </tr> </table>													TOTAL FUNDED	\$ 500,000		UNFUNDED	\$ 500,000		PROJECT TOTAL	\$ 1,000,000
	TOTAL FUNDED	\$ 500,000																		
	UNFUNDED	\$ 500,000																		
	PROJECT TOTAL	\$ 1,000,000																		
<b>STRIP MAP</b>																				
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total												
Design	1	68						69												
Land/Right-of-Way																				
Construction			551	380				931												
Landscaping																				
Equip. & Furnish.																				
Other																				
<b>TOTAL COSTS</b>	1	68	551	380				1,000												
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total												
Current Funds																				
GO's/Com Paper Issued	49							49												
GO's Unissued		20	431					451												
RB's/Com Paper																				
Certificates of Obligation																				
Other																				
<b>Unfunded</b>			120	380				500												
<b>TOTAL SOURCES</b>	49	20	551	380				1,000												
								PROJECT SCHEDULE	START	FINISH										
								Design	12/2015	12/2016										
								Land/Right-of-Way												
								Construction	5/2017	5/2018										
								Finish Out												
								Other												
<b>TOTAL SCHEDULE</b>								12/2015	5/2018											

PAGE NO: <b>P10</b>		<i>Continuing Project</i>						*Amounts in 000's \$	COUNCIL DISTRICT(S) All			
DEPARTMENT PARKS & RECREATION		PROJECT TITLE EXPAND CENTRALIZED IRRIG./LIGHTING CONTROL						PROJECT NO(S). 18331		ACCOUNT NO(S). 614-2499-1833104		
PROJECT DESCRIPTION		Ongoing replacement of irrigation and lighting controls with centralized and automated control units for landscape irrigation systems and athletic field lighting.						FUNDING SOURCE(S)				
								2004 Bond Fund		\$ 250,000		
								TOTAL FUNDED		\$ 250,000		
								UNFUNDED		\$		
								PROJECT TOTAL		\$ 250,000		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						STRIP MAP				
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____		Impacts the Operating Budget in maintenance, repair, and replacement of controllers and equipment.										
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design												
Land/Right-of-Way												
Construction	30	80					140	250				
Landscaping												
Equip. & Furnish.												
Other												
<b>TOTAL COSTS</b>	30	80					140	250				
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds									Design			
GO's/Com Paper Issued	30							30	Land/Right-of-Way			
GO's Unissued		80					140	220	Construction			
RB's/Com Paper									Finish Out			
Certificates of Obligation									Other			
Other												
<b>Unfunded</b>												
<b>TOTAL SOURCES</b>	30	80					140	250	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)	

PAGE NO: <b>P11</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) N/A				
DEPARTMENT PARKS & RECREATION		PROJECT TITLE LAND ACQUISITION				PROJECT NO(S). 18332		ACCOUNT NO(S). 614-2499-1833204				
PROJECT DESCRIPTION		FUNDING SOURCE(S)				TOTAL FUNDED		\$ 1,000,000				
Funding for additional park land as referenced in the 2012-2022 Park Development Guidelines; includes land, surveys, appraisals, and related for acquisition.		2004 Bond Fund						\$ 1,000,000				
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				UNFUNDED		\$				
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____		Impact on the Operating Budget is dependent upon land use, such as undeveloped connector tract along greenbelt with fewer or no mowing cycles versus land adjacent to development requiring some additional mowing and edging.				PROJECT TOTAL		\$ 1,000,000				
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	STRIP MAP		
Design												
Land/Right-of-Way	345	655							1,000			
Construction												
Landscaping												
Equip. & Furnish.												
Other												
<b>TOTAL COSTS</b>	<b>345</b>	<b>655</b>							<b>1,000</b>			
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH
Current Funds										Design		
GO's/Com Paper Issued	600								600	Land/Right-of-Way		
GO's Unissued		400							400	Construction		
RB's/Com Paper										Finish Out		
Certificates of Obligation										Other		
Other												
<b>Unfunded</b>												
<b>TOTAL SOURCES</b>	<b>600</b>	<b>400</b>							<b>1,000</b>	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)

PAGE NO: <b>P12</b>		<i>Unfunded Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 4																						
DEPARTMENT PARKS & RECREATION		PROJECT TITLE AUDUBON PARK PICNIC AREA PAVING REPLCMT.				PROJECT NO(S). 18334		ACCOUNT NO(S). 614-2499-1833404																						
PROJECT DESCRIPTION																														
Improvements to the existing park road at the picnic area include replacement of pavement, additional parking spaces, and area lighting.																														
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION																										
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____																														
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total																						
Design							70	70																						
Land/Right-of-Way																														
Construction							630	630																						
Landscaping																														
Equip. & Furnish.																														
Other																														
<b>TOTAL COSTS</b>							700	700																						
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total																						
Current Funds																														
GO's/Com Paper Issued																														
GO's Unissued							700	700																						
RB's/Com Paper																														
Certificates of Obligation																														
Other																														
<b>Unfunded</b>																														
<b>TOTAL SOURCES</b>							700	700																						
								<table border="1"> <thead> <tr> <th>PROJECT SCHEDULE</th> <th>START</th> <th>FINISH</th> </tr> </thead> <tbody> <tr> <td>TOTAL FUNDED</td> <td>\$</td> <td>700,000</td> </tr> <tr> <td>UNFUNDED</td> <td>\$</td> <td></td> </tr> <tr> <td><b>PROJECT TOTAL</b></td> <td><b>\$</b></td> <td><b>700,000</b></td> </tr> </tbody> </table>		PROJECT SCHEDULE	START	FINISH	TOTAL FUNDED	\$	700,000	UNFUNDED	\$		<b>PROJECT TOTAL</b>	<b>\$</b>	<b>700,000</b>									
PROJECT SCHEDULE	START	FINISH																												
TOTAL FUNDED	\$	700,000																												
UNFUNDED	\$																													
<b>PROJECT TOTAL</b>	<b>\$</b>	<b>700,000</b>																												
								<table border="1"> <thead> <tr> <th>PROJECT SCHEDULE</th> <th>START</th> <th>FINISH</th> </tr> </thead> <tbody> <tr> <td>Design</td> <td>2/2021</td> <td>12/2021</td> </tr> <tr> <td>Land/Right-of-Way</td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td>3/2022</td> <td>12/2022</td> </tr> <tr> <td>Finish Out</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> <tr> <td><b>TOTAL SCHEDULE</b></td> <td><b>2/2021</b></td> <td><b>12/2022</b></td> </tr> </tbody> </table>		PROJECT SCHEDULE	START	FINISH	Design	2/2021	12/2021	Land/Right-of-Way			Construction	3/2022	12/2022	Finish Out			Other			<b>TOTAL SCHEDULE</b>	<b>2/2021</b>	<b>12/2022</b>
PROJECT SCHEDULE	START	FINISH																												
Design	2/2021	12/2021																												
Land/Right-of-Way																														
Construction	3/2022	12/2022																												
Finish Out																														
Other																														
<b>TOTAL SCHEDULE</b>	<b>2/2021</b>	<b>12/2022</b>																												

PAGE NO: <b>P13</b>		<i>Unfunded Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 4	
DEPARTMENT PARKS & RECREATION		PROJECT TITLE GATEWOOD PICNIC PAVILION				PROJECT NO(S) 18335		ACCOUNT NO(S) 614-2499-1833504	
PROJECT DESCRIPTION		PROJECT NO(S)				FUNDING SOURCE(S)			
Pavilion improvements, restroom, group grill, and ADA accessibility from parking lot.		18335				2004 Bond Fund \$ 425,000			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				TOTAL FUNDED \$ 425,000			
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations      2,200 Capital Total                      \$2,200		The Operating Budget will be impacted by approximately \$2,200 for new restrooms and facility improvement maintenance.				UNFUNDED \$			
						PROJECT TOTAL \$ 425,000			
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Design					50			50	
Land/Right-of-Way									
Construction					375			375	
Landscaping									
Equip. & Furnish.									
Other									
<b>TOTAL COSTS</b>					425			425	
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Current Funds									
GO's/Com Paper Issued									
GO's Unissued					425			425	
RB's/Com Paper									
Certificates of Obligation									
Other									
<b>Unfunded</b>									
<b>TOTAL SOURCES</b>					425			425	
								PROJECT SCHEDULE	
								START	
								FINISH	
								Design	
								2/2019	
								5/2019	
								Land/Right-of-Way	
								Construction	
								5/2019	
								12/2019	
								Finish Out	
								Other	
								TOTAL SCHEDULE	
								2/2019	
								12/2019	

PAGE NO: <b>P14</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 3			
CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST				PROJECT NO(S) 18337		ACCOUNT NO(S) 614-2499-1833704					
DEPARTMENT PARKS & RECREATION		PROJECT TITLE WINDSURF BAY PARK				PROJECT NO(S) 18337		ACCOUNT NO(S) 614-2499-1833704			
PROJECT DESCRIPTION		FUNDING SOURCE(S)				TOTAL FUNDED		\$ 700,000			
Funding for Phase I of shoreline erosion control and related parking improvements. This phase installs shelters for housing portable restroom facilities.		2004 Bond Fund						\$ 700,000			
						UNFUNDED		\$			
						PROJECT TOTAL		\$ 700,000			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION									
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel Operations      1,200 # of Positions _____ Capital _____ Total      \$1,200		If Phase I of the project can accommodate a restroom facility, \$1,200 per year will need to be budgeted for portable restroom-related cleaning.									
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design		100						100			
Land/Right-of-Way											
Construction		100	500					600			
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>		200	500					700			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds											
GO's/Com Paper Issued	700							700			
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation											
Other											
<b>Unfunded</b>											
<b>TOTAL SOURCES</b>	700							700			
PROJECT SCHEDULE		START	FINISH								
Design		4/2016	9/2016								
Land/Right-of-Way											
Construction		10/2016	12/2017								
Finish Out											
Other											
<b>TOTAL SCHEDULE</b>		4/2016	12/2017								





PAGE NO: <b>P17</b>		<i>Continuing Project</i>					*Amounts in 000's \$		COUNCIL DISTRICT(S) 2		
DEPARTMENT PARKS & RECREATION			PROJECT TITLE CENTRAL PARK - PARK OPERS. FACIL. IMPRVMTS.					PROJECT NO(S) 18346		ACCOUNT NO(S) 692-4749-18346XX	
PROJECT DESCRIPTION Park Operations is relocating to the former Texas Air National Guard Station, which leased park land in Central Park. The facility is currently under renovation and will house the Park Maintenance Operations Division. Current construction activities include building envelope improvements, abatement procedures, and minimal HVAC system repairs until the facility can be completely renovated. The new design reflects renovation of the existing site, structure interiors, and building systems that include HVAC, plumbing, roofing, installation of the City network, phone, and antennae for City truck radios. It also includes an automated Landscape Irrigation Control System, communication, parking, accessibility, and general security improvements including cameras, fencing, access controls, and lighting improvements.							FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 615,000 2016 Certificates of Oblig. 440,000  TOTAL FUNDED \$ 1,055,000 UNFUNDED \$ 3,070,000 PROJECT TOTAL \$ 4,125,000				
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION Additional square footage of structures and parking will increase future general operating costs for plumbing, electrical, IT/telecom, and general maintenance. An estimated cost will be determined upon completion of the project design.					STRIP MAP			
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020				
Design		362	40					103	505		
Land/Right-of-Way											
Construction		253	400					2,902	3,555		
Landscaping											
Equip. & Furnish.											
Other								65	65		
TOTAL COSTS		615	440					3,070	4,125		
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		615	440						1,055		
Other											
Unfunded								3,070	3,070		
TOTAL SOURCES		615	440					3,070	4,125		
							PROJECT SCHEDULE		START	FINISH	
							Design		1/2013	8/2022	
							Land/Right-of-Way				
							Construction		5/2014	9/2023	
							Finish Out				
							Other		1/2014	8/2022	
							TOTAL SCHEDULE		1/2013	9/2023	





PAGE NO: <b>P20</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 4,1	
DEPARTMENT PARKS & RECREATION		PROJECT TITLE FENCING - AUDUBON/WINTERS SOCCER COMPLEX				PROJECT NO(S) 18350		ACCOUNT NO(S) 692-2499-1835000	
PROJECT DESCRIPTION		PROJECT DESCRIPTION				FUNDING SOURCE(S)			
Project provides funding for perimeter fencing at the soccer complex boundaries to minimize foul balls entering the adjacent roadways. The project replaces some of the existing fencing at Winters Complex and installs new fencing at Audubon Complex along Trails Parkway, Frontier Drive, and parking lot.		Project provides funding for perimeter fencing at the soccer complex boundaries to minimize foul balls entering the adjacent roadways. The project replaces some of the existing fencing at Winters Complex and installs new fencing at Audubon Complex along Trails Parkway, Frontier Drive, and parking lot.				Certificates of Oblig. Issued \$ 140,000			
<b>IMPACT ON OPERATING BUDGET</b> <input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____		<b>IMPACT EXPLANATION</b> There should be a positive impact at Winters Park with replacement of existing fencing, but added future maintenance will be needed for fencing at the Audubon location.				TOTAL FUNDED \$ 140,000 UNFUNDED \$ PROJECT TOTAL \$ 140,000			
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design									
Land/Right-of-Way									
Construction		20	120						140
Landscaping									
Equip. & Furnish.									
Other									
<b>TOTAL COSTS</b>		20	120						140
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Current Funds									
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper									
Certificates of Obligation		140							140
Other									
<b>Unfunded</b>									
<b>TOTAL SOURCES</b>		140							140
		<b>PROJECT SCHEDULE</b>		<b>START</b>		<b>FINISH</b>			
		Design							
		Land/Right-of-Way							
		Construction		11/2015		4/2016			
		Finish Out							
		Other							
		<b>TOTAL SCHEDULE</b>		11/2015		4/2016			

**STRIP MAP**

PAGE NO: <b>P21</b>		<i>New Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) 4	
DEPARTMENT <b>PARKS &amp; RECREATION</b>				PROJECT TITLE <b>PEDESTRIAN/BIKE BRIDGES - DUCK CREEK</b>				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 will replace the tributary crossings similar to others along this trail which have been replaced in recent years. The crossings provide passage over the drainage ways for pedestrians, bicycles, and park maintenance equipment. The entire length of Duck Creek Trail provides recreational opportunities for the adjacent residential neighborhoods and is a popular destination spot for walking and biking. The trail pavement at these two spots is no longer ADA-compliant for longitudinal slopes on walks.							FUNDING SOURCE(S) 2016 Certificates of Oblig.      \$      225,000				
IMPACT ON OPERATING BUDGET <input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____			IMPACT EXPLANATION Positive impact to the Operating Budget in that the project replaces deteriorated drainage crossings along the trail on the east bank of Duck Creek in the Duck Creek Greenbelt.								
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Design			25						25		
Land/Right-of-Way											
Construction			200						200		
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>			225						225		
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation			225						225		
Other											
<b>Unfunded</b>											
<b>TOTAL SOURCES</b>			225						225		
							<b>PROJECT SCHEDULE</b>		<b>START</b>	<b>FINISH</b>	
							Design		3/2016	6/2016	
							Land/Right-of-Way				
							Construction		8/2016	12/2016	
							Finish Out				
							Other				
							<b>TOTAL SCHEDULE</b>		3/2016	12/2016	



**STREET/TRANSPORTATION DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b>Engineering</b>											
14176	New Sidewalks	ST01	GOB04/CF	\$2,100	\$475	\$475	\$575	\$0	\$0	\$0	\$3,625
14200	Street and Alley Petition	ST02	GOB04	18	325	325	325	325	325	157	1,800
14202	Sidewalk / Curb & Gutter Participation	ST03	GOB04/Other	2,357	350	350	370	373	0	0	3,800
14255	Fifth Street - Miller to Avenue D - Phase B	ST04	GOB04	3,671	0	0	0	0	1,489	0	5,160
14257	Pleasant Valley - Firewheel Pkwy. to Richfield	ST05	GOB04/Other	5,984	1,000	0	0	0	0	0	6,984
14261	Oates Road - Broadway to Rosehill	ST06	GOB04	159	1,375	3,490	0	0	0	0	5,024
14264	Callejo Road - Botello to Campbell	ST07	GOB04	0	0	0	0	0	0	6,000	6,000
14265	Chaha Road - I.H. 30 to Zion	ST08	GOB04	0	0	0	0	0	0	1,000	1,000
14266	Chaha Rd - I.H. 30 to Lake Ray Hubbard Pkwy.	ST09	GOB04	778	0	0	0	0	0	2,422	3,200
14272	Bobtown Road - Rowlett to Waterhouse	ST10	GOB04	150	410	2,415	2,225	0	0	0	5,200
14273	* Brand Road - S.H. 190 to Muirfield	ST11	GOB04	0	1,550	7,050	0	0	0	0	8,600
14279	Northwest Highway - Centerville to La Prada	ST12	GOB04/Other	5,566	100	0	0	0	0	0	5,666
14288	Shiloh Road - I.H. 635 to Kingsley	ST13	GOB04/Other	808	5,392	5,500	240	0	0	0	11,940
14292	Pleasant Valley Road Bridge	ST14	CO/Other/UNF	2,562	16,100	9,305	0	0	0	0	27,967
14294	Miller Road Bridge	ST15	CO	583	39	0	0	0	0	0	622
14300	Fifth Street - Miller to Kingsley	ST16	GOB97	151	845	844	0	0	0	0	1,840
14301	Screen Wall Reconstruction	ST17	CO/UNF	7	100	100	100	43	0	0	350
14302	Naaman School/Brand/Campbell Alignment	ST18	CO/CF/Other	90	0	1,310	0	0	0	0	1,400
14303	Waterhouse - Bobtown to Hayman	ST19	CF	0	100	1,400	0	0	0	0	1,500
14305	* Holford Road - PGBT to Campbell Rd.	ST20	CO	0	300	0	0	0	0	0	300
14306	* Holford Road - Arapaho to PGBT	ST21	CO	0	425	0	0	0	0	0	425
14308	* Bobtown Road - Kelso to Barnes Bridge	ST22	CO	0	300	0	0	0	0	0	300
<b>Transportation</b>											
15640	Operational and Safety Improvements	ST23	GOB04/INT	361	801	200	150	135	150	120	1,917
15219	Miscellaneous Equipment and Services	ST24	Other	2	54	0	0	0	0	0	56
15600	New Traffic Signal Installations	ST25	GOB04/Other	478	350	300	300	300	300	188	2,216
15544	LED Replacement Program	ST26	CF	374	126	0	0	0	0	0	500
15530	Traffic Control System	ST27	GOB04/Other	1,222	260	250	250	475	500	2,143	5,100
15547	Emergency Services Signal Equipment	ST28	GOB04/INT	39	61	125	100	100	125	0	550
15578	Railroad Crossing Improvements	ST29	GOB97/04	0	197	150	150	100	100	500	1,197
15596	North-South Bikeway	ST30	GOB97/Other	270	720	1,560	0	0	0	0	2,550
15620	Signal Equipment Modernizations	ST31	GOB04/Other	1,540	375	350	350	350	250	0	3,215
15751	Train Quiet Zone	ST32	GOB04	317	108	0	0	0	0	1,675	2,100
14304	LBJ Sound Wall Aesthetics	ST33	CO	9	491	0	0	0	0	0	500
14307	* Transit Pass - Bottleneck Improvements	ST34	OTHER	0	500	1,352	1,351	0	0	0	3,203

\*Project funded for the first time

**STREET/TRANSPORTATION DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b>Street</b>											
39821	* Shady Lane - Tanglewood Ln. to Resistol Rd.	ST35	CDBG	\$0	\$270	\$0	\$0	\$0	\$0	\$0	\$270
39822	* Arrowhead Dr. - Broadmoor to Northwest	ST36	CDBG	0	280	0	0	0	0	0	280
39818	Street Reconstruction and Improvements	ST37	CO/UNF	1,100	5,689	3,679	3,555	4,237	4,976	10,011	33,247
	Undesignated - Street/Transportation		GOB97	0	0	0	0	0	0	660	660
	Undesignated - Street/Transportation		GOB04	0	0	0	0	0	0	22,210	22,210
	<b>Total</b>			<b>\$30,696</b>	<b>\$39,468</b>	<b>\$40,530</b>	<b>\$10,041</b>	<b>\$6,438</b>	<b>\$8,215</b>	<b>\$47,086</b>	<b>\$182,474</b>
	Total Existing CO's/CF/Other			\$10,538	\$22,071	\$18,250	\$1,351	\$0	\$0	\$0	\$52,210
	2016 Certificate of Obligation			0	5,031	0	0	0	0	0	5,031
	Total Unfunded			0	0	5,236	3,655	4,280	4,976	10,011	28,158
	Total 1997 Bond Program			421	1,282	844	0	0	0	660	3,207
	Total 2004 Bond Program			19,737	11,084	16,200	5,035	2,158	3,239	36,415	93,868
	<b>Total</b>			<b>\$30,696</b>	<b>\$39,468</b>	<b>\$40,530</b>	<b>\$10,041</b>	<b>\$6,438</b>	<b>\$8,215</b>	<b>\$47,086</b>	<b>\$182,474</b>

\*Project funded for the first time

**STREET/TRANSPORTATION DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**DEBT ISSUANCE REQUIREMENTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Project Status</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b><u>Engineering</u></b>										
14176	New Sidewalks	ST01	Appr.	\$214	\$475	\$575	\$0	\$0	\$0	\$1,264
14200	Street and Alley Petition	ST02	Appr.	6	325	325	325	325	157	1,463
14202	Sidewalk / Curb & Gutter Participation	ST03	Appr.	0	238	370	373	0	0	981
14255	Fifth Street - Miller to Avenue D - Phase B	ST04	Appr.	0	0	0	0	1,489	0	1,489
14261	Oates Road - Broadway to Rosehill	ST06	Appr.	612	3,490	0	0	0	0	4,102
14264	Callejo Road - Botello to Campbell	ST07	Appr.	0	0	0	0	0	6,000	6,000
14265	Chaha Road - I.H. 30 to Zion	ST08	Appr.	0	0	0	0	0	1,000	1,000
14266	Chaha Rd - I.H. 30 to Lake Ray Hubbard Pkwy.	ST09	Appr.	0	0	0	0	0	2,422	2,422
14272	Bobtown Road - Rowlett to Waterhouse	ST10	Appr.	0	2,225	2,225	0	0	0	4,450
14273	* Brand Road - S.H. 190 to Muirfield	ST11	Appr.	1,550	7,050	0	0	0	0	8,600
14288	Shiloh Road - I.H. 635 to Kingsley	ST13	Appr.	1,320	920	240	0	0	0	2,480
14292	Pleasant Valley Road Bridge	ST14	Appr.	0	1,500	0	0	0	0	1,500
14300	Fifth Street - Miller to Kingsley	ST16	Appr.	56	844	0	0	0	0	900
14301	Screen Wall Reconstruction	ST17	Appr.	0	57	100	43	0	0	200
14305	* Holford Road - PGBT to Campbell Rd.	ST20	Appr.	300	0	0	0	0	0	300
14306	* Holford Road - Arapaho to PGBT	ST21	Appr.	425	0	0	0	0	0	425
14308	* Bobtown Road - Kelso to Barnes Bridge	ST22	Appr.	300	0	0	0	0	0	300
<b><u>Transportation</u></b>										
15640	Operational and Safety Improvements	ST23	Appr.	100	0	85	135	150	120	590
15600	New Traffic Signal Installations	ST25	Appr.	100	300	300	300	300	188	1,488
15530	Traffic Control System	ST27	Appr.	0	138	250	475	500	2,143	3,506
15547	Emergency Services Signal Equipment	ST28	Appr.	0	125	100	100	125	0	450
15578	Railroad Crossing Improvements	ST29	Appr.	0	50	150	100	100	500	900
15620	Signal Equipment Modernizations	ST31	Appr.	200	350	350	350	250	0	1,500
15751	Train Quiet Zone	ST32	Appr.	0	0	0	0	0	1,675	1,675
<b><u>Street</u></b>										
39818	Street Reconstruction and Improvements	ST37	Appr.	4,006	3,679	3,555	4,237	4,976	10,011	30,464
	Undesignated - Street/Transportation		Appr.	0	0	0	0	0	22,870	22,870
	<b>Total</b>			<b>\$9,189</b>	<b>\$21,766</b>	<b>\$8,625</b>	<b>\$6,438</b>	<b>\$8,215</b>	<b>\$47,086</b>	<b>\$101,319</b>
	<b>Total Approved</b>			<b>\$9,189</b>	<b>\$21,766</b>	<b>\$8,625</b>	<b>\$6,438</b>	<b>\$8,215</b>	<b>\$47,086</b>	<b>\$101,319</b>
	<b>Total Unapproved</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total</b>			<b>\$9,189</b>	<b>\$21,766</b>	<b>\$8,625</b>	<b>\$6,438</b>	<b>\$8,215</b>	<b>\$47,086</b>	<b>\$101,319</b>

\*Projects funded for the first time



PAGE NO: <b>ST02</b>		<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.													
IMPACT ON OPERATING BUDGET						IMPACT EXPLANATION							
<input type="checkbox"/> Will Impact <input checked="" type="checkbox"/> Will Not Impact # of Positions _____		Annual Cost/(Savings): Personnel _____ Operations _____ Capital _____ Total _____											
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design		18	75	75	75	75	75	75	468				
Land/Right-of-Way													
Construction			250	250	250	250	250	82	1,332				
Landscaping													
Equip. & Furnish.													
Other													
<b>TOTAL COSTS</b>		18	325	325	325	325	325	157	1,800				
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Current Funds													
GO's/Com Paper Issued		337							337				
GO's Unissued			6	325	325	325	325	157	1,463				
RB's/Com Paper													
Certificates of Obligation													
Other													
<b>Unfunded</b>													
<b>TOTAL SOURCES</b>		337	6	325	325	325	325	157	1,800				
<b>STRIP MAP</b>										<b>PROJECT SCHEDULE</b>		<b>START</b>	<b>FINISH</b>
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
<b>TOTAL SCHEDULE</b>										(Ongoing		Project)	

PAGE NO: <b>ST03</b>		<i>Continuing Project</i>		*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		FUNDING SOURCE(S)				TOTAL FUNDED		\$ 3,799,603				
This program reserves funds to participate with property owners in the reconstruction of concrete sidewalk and curb & gutter sections throughout the city.		2004 Bond Fund				\$ 3,171,531		Sidewalk Participation			628,072	
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				UNFUNDED		\$				
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____						PROJECT TOTAL		\$ 3,799,603				
<b>STRIP MAP</b>												
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design												
Land/Right-of-Way												
Construction	2,357	350	350	370	373			3,800				
Landscaping												
Equip. & Furnish.												
Other												
<b>TOTAL COSTS</b>	<b>2,357</b>	<b>350</b>	<b>350</b>	<b>370</b>	<b>373</b>			<b>3,800</b>				
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds												
GO's/Com Paper Issued	2,191							2,191	Design			
GO's Unissued			238	370	373			981	Land/Right-of-Way			
RB's/Com Paper									Construction			
Certificates of Obligation									Finish Out			
Other (Sidewalk Partic.)	558	70						628	Other			
<b>Unfunded</b>												
<b>TOTAL SOURCES</b>	<b>2,749</b>	<b>70</b>	<b>238</b>	<b>370</b>	<b>373</b>			<b>3,800</b>	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)	

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

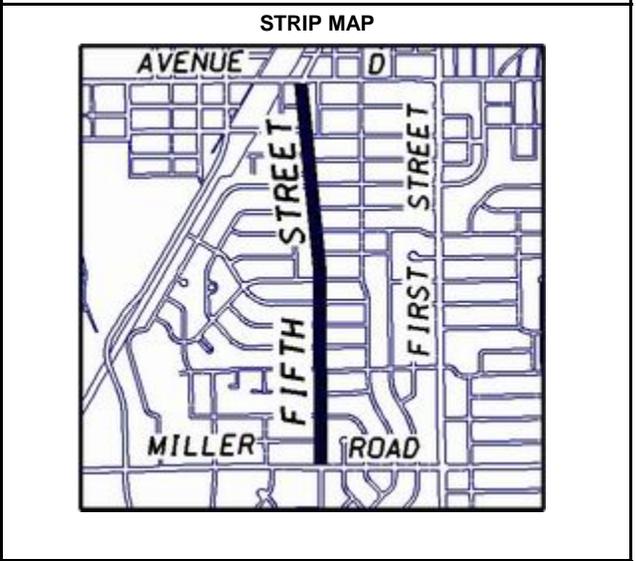
**FUNDING SOURCE(S)**

2004 Bond Fund	\$ 5,160,000
<hr/>	
TOTAL FUNDED	\$ 5,160,000
UNFUNDED	\$
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PROJECT TOTAL	\$ 5,160,000

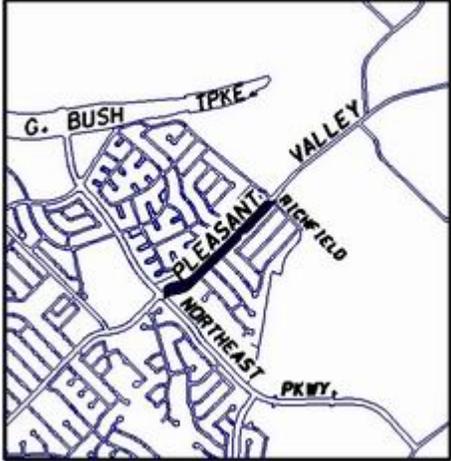
<b>IMPACT ON OPERATING BUDGET</b>	<b>IMPACT EXPLANATION</b>
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____	

*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design	699					200		899
Land/Right-of-Way	34							34
Construction	2,938					1,289		4,227
Landscaping								
Equip. & Furnish.								
Other								
<b>TOTAL COSTS</b>	<b>3,671</b>					<b>1,489</b>		<b>5,160</b>

*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Current Funds								
GO's/Com Paper Issued	3,671							3,671
GO's Unissued						1,489		1,489
RB's/Com Paper								
Certificates of Obligation								
Other								
<b>Unfunded</b>								
<b>TOTAL SOURCES</b>	<b>3,671</b>					<b>1,489</b>		<b>5,160</b>



PROJECT SCHEDULE	START	FINISH
Design	9/2007	12/2020
Land/Right-of-Way	6/2007	1/2012
Construction	1/2007	12/2020
Finish Out		
Other		
<b>TOTAL SCHEDULE</b>	<b>1/2007</b>	<b>12/2020</b>

PAGE NO: <b>ST05</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 1			
CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST				PROJECT NO(S). 14257		ACCOUNT NO(S). 624-1409-1425704					
DEPARTMENT ENGINEERING		PROJECT TITLE PLEASANT VALLEY - FIREWHEEL TO RICHFIELD						FUNDING SOURCE(S)			
PROJECT DESCRIPTION		Funding is provided for the design, land acquisition, permitting, and construction costs related to the construction of a four-lane divided Type "C" thoroughfare. This project includes funding from Dallas County.						2004 Bond Fund \$ 3,642,000 Dallas County 3,342,000			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						TOTAL FUNDED \$ 6,984,000			
<input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____								UNFUNDED \$			
								PROJECT TOTAL \$ 6,984,000			
								STRIP MAP			
											
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design	253							253			
Land/Right-of-Way											
Construction	5,731	1,000						6,731			
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>	<b>5,984</b>	<b>1,000</b>						<b>6,984</b>			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH
Current Funds									Design	6/2007	6/2011
GO's/Com Paper Issued	3,642							3,642	Land/Right-of-Way		
GO's Unissued									Construction	1/2013	3/2016
RB's/Com Paper									Finish Out		
Certificates of Obligation									Other		
Other (Dallas County)	3,342							3,342	<b>TOTAL SCHEDULE</b>	<b>6/2007</b>	<b>3/2016</b>
<b>Unfunded</b>											
<b>TOTAL SOURCES</b>	<b>6,984</b>							<b>6,984</b>			



<b>DEPARTMENT</b> ENGINEERING	<b>PROJECT TITLE</b> CALLEJO ROAD - BOTELLO TO CAMPBELL	<b>PROJECT NO(S)</b> 14264	<b>ACCOUNT NO(S)</b> 624-1409-1426404
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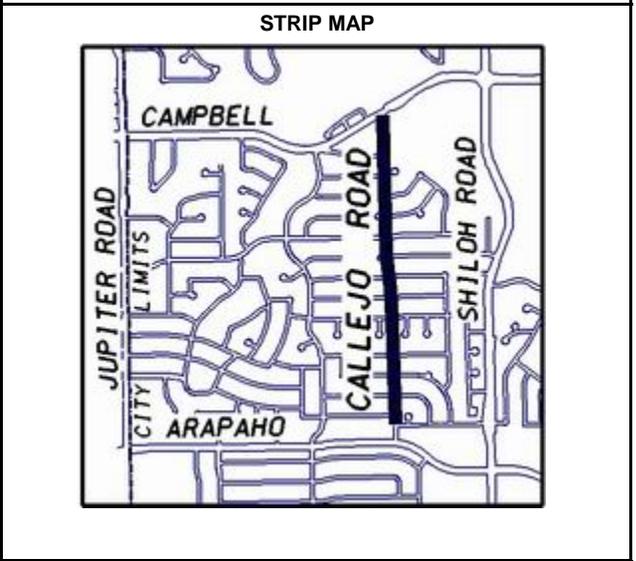
**PROJECT DESCRIPTION**  
Funding is provided for the design, land acquisition, permitting, and construction costs related to the construction of a Type "F" thoroughfare.

<b>FUNDING SOURCE(S)</b>	
2004 Bond Fund	\$ 6,000,000
<b>TOTAL FUNDED</b>	
	\$ 6,000,000
<b>UNFUNDED</b>	
	\$
<b>PROJECT TOTAL</b>	
	\$ 6,000,000

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

*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design							300	300
Land/Right-of-Way							300	300
Construction							5,400	5,400
Landscaping								
Equip. & Furnish.								
Other								
<b>TOTAL COSTS</b>							6,000	6,000

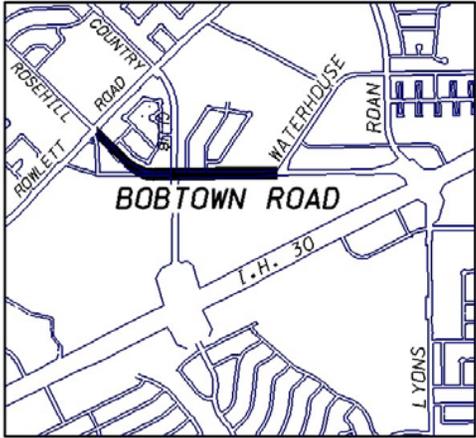
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Current Funds								
GO's/Com Paper Issued								
GO's Unissued							6,000	6,000
RB's/Com Paper								
Certificates of Obligation								
Other								
<b>Unfunded</b>								
<b>TOTAL SOURCES</b>							6,000	6,000



PROJECT SCHEDULE	START	FINISH
Design		
Land/Right-of-Way		
Construction		
Finish Out		
Other		
<b>TOTAL SCHEDULE</b>	1/2023	12/2025



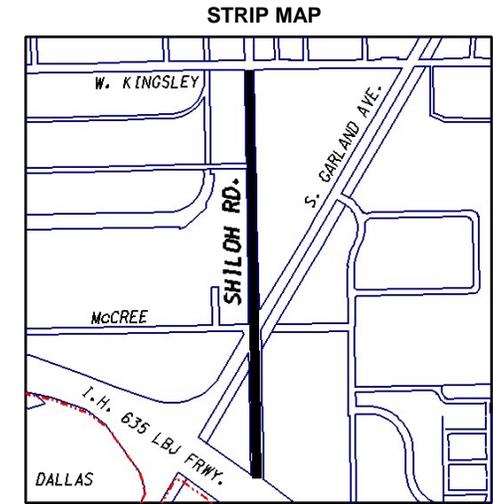


PAGE NO: <b>ST10</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 3, 4			
CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST				PROJECT NO(S). 14272		ACCOUNT NO(S). 624-1409-1427204					
DEPARTMENT ENGINEERING		PROJECT TITLE BOBTOWN ROAD - ROWLETT TO WATERHOUSE						FUNDING SOURCE(S)			
PROJECT DESCRIPTION		Funding is provided for the design, land acquisition, permitting, and construction costs related to the reconstruction of a Type "E" thoroughfare.						2004 Bond Fund \$ 5,200,000			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						TOTAL FUNDED \$ 5,200,000			
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____								UNFUNDED \$			
								PROJECT TOTAL \$ 5,200,000			
<b>STRIP MAP</b>											
											
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design	150	260						410			
Land/Right-of-Way		150						150			
Construction			2,415	2,225				4,640			
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>	150	410	2,415	2,225				5,200			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds											
GO's/Com Paper Issued	750							750			
GO's Unissued			2,225	2,225				4,450			
RB's/Com Paper											
Certificates of Obligation											
Other											
<b>Unfunded</b>											
<b>TOTAL SOURCES</b>	750		2,225	2,225				5,200			
									PROJECT SCHEDULE	START	FINISH
									Design	9/2014	10/2016
									Land/Right-of-Way	1/2016	6/2016
									Construction	1/2017	12/2018
									Finish Out		
									Other		
									<b>TOTAL SCHEDULE</b>	9/2014	12/2018

PAGE NO: <b>ST11</b>		<i>New Project</i>						*Amounts in 000's \$	COUNCIL DISTRICT(S) 1
DEPARTMENT <b>ENGINEERING</b>		PROJECT TITLE <b>BRAND ROAD - S.H. 190 TO MUIRFIELD</b>						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.									
<b>FUNDING SOURCE(S)</b> 2004 Bond Fund \$ 8,600,000  <b>TOTAL FUNDED</b> \$ 8,600,000 <b>UNFUNDED</b> \$ <b>PROJECT TOTAL</b> \$ 8,600,000									
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION						
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____									
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Design		700	50					750	
Land/Right-of-Way		100						100	
Construction		750	7,000					7,750	
Landscaping									
Equip. & Furnish.									
Other									
<b>TOTAL COSTS</b>		1,550	7,050					8,600	
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Current Funds									
GO's/Com Paper Issued									
GO's Unissued		1,550	7,050					8,600	
RB's/Com Paper									
Certificates of Obligation									
Other									
<b>Unfunded</b>									
<b>TOTAL SOURCES</b>		1,550	7,050					8,600	
<b>STRIP MAP</b>									
							PROJECT SCHEDULE	START	FINISH
							Design	1/2016	1/2017
							Land/Right-of-Way	1/2016	6/2016
							Construction	12/2016	12/2017
							Finish Out		
							Other		
							<b>TOTAL SCHEDULE</b>	1/2016	12/2017



PAGE NO: <b>ST13</b>		<i>Continuing Project</i>		*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 SOURCE(S)				TOTAL FUNDED		\$ 11,940,000	
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.		2004 Bond Fund		\$ 7,200,000		DALLAS COUNTY		4,740,000	
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				UNFUNDED		\$	
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____						PROJECT TOTAL		\$ 11,940,000	
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Design	808	82						890	
Land/Right-of-Way		10						10	
Construction		5,300	5,500	240				11,040	
Landscaping									
Equip. & Furnish.									
Other									
<b>TOTAL COSTS</b>	<b>808</b>	<b>5,392</b>	<b>5,500</b>	<b>240</b>				<b>11,940</b>	
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Current Funds									
GO's/Com Paper Issued	4,720							4,720	
GO's Unissued		1,320	920	240				2,480	
RB's/Com Paper									
Certificates of Obligation									
Other (Dallas County)		160	4,580					4,740	
<b>Unfunded</b>									
<b>TOTAL SOURCES</b>	<b>4,720</b>	<b>1,480</b>	<b>5,500</b>	<b>240</b>				<b>11,940</b>	
		PROJECT SCHEDULE		START	FINISH				
		Design		6/2007	6/2016				
		Land/Right-of-Way		1/2016	3/2016				
		Construction		6/2016	6/2018				
		Finish Out							
		Other							
		<b>TOTAL SCHEDULE</b>		<b>6/2007</b>	<b>6/2018</b>				











PAGE NO: <b>ST18</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*Amounts in 000's \$	COUNCIL DISTRICT(S) All			
DEPARTMENT ENGINEERING		PROJECT TITLE NAAMAN SCHOOL/BRAND/CAMPBELL ALIGNMENT						PROJECT NO(S). 14302		ACCOUNT NO(S). 692-1409-1430214		
PROJECT DESCRIPTION												
Alignment study of Brand Road, Campbell Road, and Naaman School Road. This project includes funding from Dallas County.												
<b>FUNDING SOURCE(S)</b> Dallas County \$ 700,000 Certificates of Oblig. Issued 150,000 Current Funds 550,000  <b>TOTAL FUNDED \$ 1,400,000</b> <b>UNFUNDED \$</b> <b>PROJECT TOTAL \$ 1,400,000</b>												
<b>STRIP MAP</b>												
<b>IMPACT ON OPERATING BUDGET</b>		<b>IMPACT EXPLANATION</b>										
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____												
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design	90		1,310					1,400				
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.												
Other												
<b>TOTAL COSTS</b>	90		1,310					1,400				
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds	550							550	Design	4/2014	6/2017	
GO's/Com Paper Issued									Land/Right-of-Way			
GO's Unissued									Construction			
RB's/Com Paper									Finish Out			
Certificates of Obligation	150							150	Other			
Other (Dallas County)			700					700	<b>TOTAL SCHEDULE</b>	4/2014	6/2017	
<b>Unfunded</b>												
<b>TOTAL SOURCES</b>	700		700					1,400				

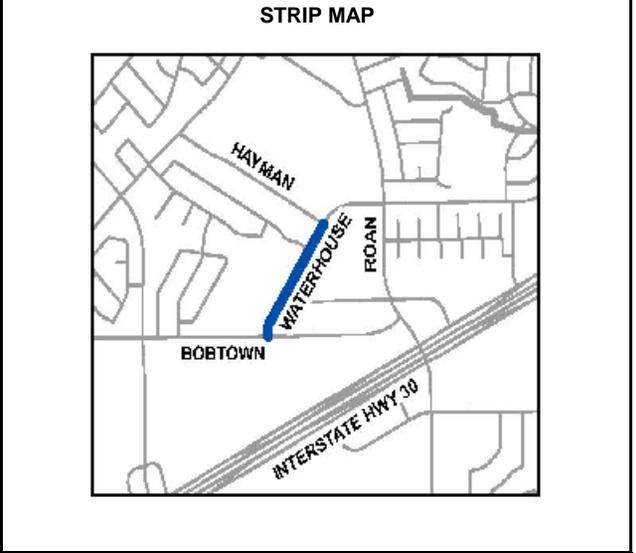
<b>DEPARTMENT</b> ENGINEERING	<b>PROJECT TITLE</b> WATERHOUSE - BOBTOWN TO HAYMAN	<b>PROJECT NO(S).</b> 14303	<b>ACCOUNT NO(S).</b> 692-1409-1430315
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**PROJECT DESCRIPTION**  
Construction of Waterhouse Road into a three-lane, 37-foot B-B section with six-foot sidewalks, utilities, and drainage improvements from Bobtown to Hayman. This is in conjunction with the Bobtown Road project.

<b>FUNDING SOURCE(S)</b>	
Current Funds	\$ 1,500,000
<b>TOTAL FUNDED</b>	
	<b>\$ 1,500,000</b>
<b>UNFUNDED</b>	
	<b>\$</b>
<b>PROJECT TOTAL</b>	
	<b>\$ 1,500,000</b>

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

*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design		100						100
Land/Right-of-Way								
Construction			1,400					1,400
Landscaping								
Equip. & Furnish.								
Other								
<b>TOTAL COSTS</b>		100	1,400					1,500
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Current Funds	400		1,100					1,500
GO's/Com Paper Issued								
GO's Unissued								
RB's/Com Paper								
Certificates of Obligation								
Other								
<b>Unfunded</b>								
<b>TOTAL SOURCES</b>	400		1,100					1,500



PROJECT SCHEDULE	START	FINISH
Design	1/2016	12/2016
Land/Right-of-Way		
Construction	2/2017	12/2017
Finish Out		
Other		
<b>TOTAL SCHEDULE</b>	1/2016	12/2017







PAGE NO: <b>ST23</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*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											
<p>This ongoing project provides various improvements such as removing substandard medians, increasing curb radii to facilitate turning movements, constructing left-turn lanes at median openings, installing roadside barriers, realigning offset intersections, etc. The 2016 request includes \$100,000 for the fabrication and installation of road closure gates and appropriate signage in flood prone locations throughout the City.</p>											
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION								
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____											
STRIP MAP											
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design	101	100						201			
Land/Right-of-Way											
Construction	260	701	200	150	135	150	120	1,716			
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>	361	801	200	150	135	150	120	1,917			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds											
GO's/Com Paper Issued	877							877			
GO's Unissued		100		85	135	150	120	590			
RB's/Com Paper											
Certificates of Obligation											
Other (Interest)	450							450			
<b>Unfunded</b>											
<b>TOTAL SOURCES</b>	1,327	100		85	135	150	120	1,917			
PROJECT SCHEDULE	START	FINISH									
Design											
Land/Right-of-Way											
Construction											
Finish Out											
Other											
<b>TOTAL SCHEDULE</b>	(Ongoing	Project)									



PAGE NO: <b>ST25</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*Amounts in 000's \$	COUNCIL DISTRICT(S) All			
DEPARTMENT TRANSPORTATION		PROJECT TITLE NEW TRAFFIC SIGNAL INSTALLATIONS						PROJECT NO(S). 15600 15602		ACCOUNT NO(S). 624-1799-1560004 624-1799-1560204		
PROJECT DESCRIPTION												
<p>This project provides for the study, design, equipment acquisition, and installation of new traffic signals, which are warranted by increases in traffic volumes, changes in traffic patterns, or other factors. The installation of school speed zone beacons is also included in this project.</p> <p>Current funding will cover the costs to complete the installation of the new traffic signal at Naaman School and Pleasant Valley and provide funding for at least one new traffic signal if the need arises.</p>												
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION								
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____				The installation of additional traffic signals will increase maintenance and electric consumption costs.								
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design		136	25	25	25	25	25	25	286			
Land/Right-of-Way												
Construction		237	225	225	225	225	225	113	1,475			
Landscaping												
Equip. & Furnish.		105	100	50	50	50	50	50	455			
Other												
TOTAL COSTS		478	350	300	300	300	300	188	2,216			
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds												
GO's/Com Paper Issued		672							672			
GO's Unissued			100	300	300	300	300	188	1,488			
RB's/Com Paper												
Certificates of Obligation												
Other (Reimbursements)		56							56			
Unfunded												
TOTAL SOURCES		728	100	300	300	300	300	188	2,216			
STRIP MAP												
PROJECT SCHEDULE		START			FINISH							
Design												
Land/Right-of-Way												
Construction												
Finish Out												
Other												
TOTAL SCHEDULE		(Ongoing			Project)							



PAGE NO: <b>ST27</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*Amounts in 000's \$	COUNCIL DISTRICT(S) All					
DEPARTMENT TRANSPORTATION		PROJECT TITLE TRAFFIC CONTROL SYSTEM						PROJECT NO(S). 15530 15483		ACCOUNT NO(S). 624-1799-1553000 623-1799-1548315				
PROJECT DESCRIPTION														
<p>This is an ongoing project that provides for design, acquisition of various traffic control equipment, and construction efforts for the traffic signal system and school flashers. This includes various types of communication equipment to monitor the 190 traffic signals in the city.</p>														
<b>IMPACT ON OPERATING BUDGET</b> <input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____						<b>IMPACT EXPLANATION</b> The installation of new equipment will reduce emergency maintenance requirements.						<b>FUNDING SOURCE(S)</b> 2004 Bond Fund                      \$ 5,000,000 DART LAP/CMS                              100,000  TOTAL FUNDED                              \$ 5,100,000 UNFUNDED                                      \$ PROJECT TOTAL                              \$ 5,100,000		
<b>STRIP MAP</b>														
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total						
Design	81							81						
Land/Right-of-Way														
Construction	450	10						460						
Landscaping														
Equip. & Furnish.	691	250	250	250	475	500	2,143	4,559						
Other														
<b>TOTAL COSTS</b>	1,222	260	250	250	475	500	2,143	5,100						
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total						
Current Funds														
GO's/Com Paper Issued	1,494							1,494						
GO's Unissued			138	250	475	500	2,143	3,506						
RB's/Com Paper														
Certificates of Obligation														
Other (DART)	100							100						
<b>Unfunded</b>														
<b>TOTAL SOURCES</b>	1,594		138	250	475	500	2,143	5,100						
								<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>				
								Design						
								Land/Right-of-Way						
								Construction						
								Finish Out						
								Other						
<b>TOTAL SCHEDULE</b>								(Ongoing	Project)					

PAGE NO: <b>ST28</b>		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All			
DEPARTMENT TRANSPORTATION				PROJECT TITLE EMERGENCY SERVICES SIGNAL EQUIPMENT					PROJECT NO(S). 15547		ACCOUNT NO(S). 624-1799-1554700 623-1799-1554700	
PROJECT DESCRIPTION										FUNDING SOURCE(S)		
<p>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.</p>										2004 Bond Fund		\$ 500,000
										Interest		50,000
										TOTAL FUNDED		\$ 550,000
										UNFUNDED		\$
										PROJECT TOTAL		\$ 550,000
<b>IMPACT ON OPERATING BUDGET</b> <input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____										<b>IMPACT EXPLANATION</b> The installation of equipment at additional locations will require increased preventive and routine maintenance efforts. The upgrade of equipment at existing locations should result in decreased routine maintenance at those locations.		
										<b>STRIP MAP</b>		
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design												
Land/Right-of-Way												
Construction	7	5						12				
Landscaping												
Equip. & Furnish.	32	56	125	100	100	125		538				
Other												
<b>TOTAL COSTS</b>	39	61	125	100	100	125		550				
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Current Funds												
GO's/Com Paper Issued	50							50				
GO's Unissued			125	100	100	125		450				
RB's/Com Paper												
Certificates of Obligation												
Other (Interest)	50							50				
<b>Unfunded</b>												
<b>TOTAL SOURCES</b>	100		125	100	100	125		550				
										PROJECT SCHEDULE	START	FINISH
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										<b>TOTAL SCHEDULE</b>	(Ongoing	Project)

PAGE NO: <b>ST29</b>		<i>Continuing Project</i>		*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.													
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION									
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____													
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design													
Land/Right-of-Way													
Construction			197	150	150	100	100	500	1,197				
Landscaping													
Equip. & Furnish.													
Other													
<b>TOTAL COSTS</b>			197	150	150	100	100	500	1,197				
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Current Funds													
GO's/Com Paper Issued		297							297				
GO's Unissued				50	150	100	100	500	900				
RB's/Com Paper													
Certificates of Obligation													
Other													
<b>Unfunded</b>													
<b>TOTAL SOURCES</b>		297		50	150	100	100	500	1,197				
										<b>STRIP MAP</b>			
										<b>PROJECT SCHEDULE</b>		<b>START</b>	<b>FINISH</b>
										Design			
										Land/Right-of-Way			
										Construction			
										Finish Out			
										Other			
										<b>TOTAL SCHEDULE</b>		(Ongoing	Project)



PAGE NO: <b>ST31</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*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														
<p>This project provides various traffic signal improvements such as replacing obsolete control equipment, replacing span wire installations with mast arm signals, upgrading left-turn displays, upgrading school zone beacons and equipment, and removing median-mounted left-turn poles. This project is coordinated with the Traffic Control System projects.</p>											<b>FUNDING SOURCE(S)</b> 2004 Bond Fund \$ 3,100,000 Reimbursement 114,588  <b>TOTAL FUNDED \$ 3,214,588</b> <b>UNFUNDED \$</b> <b>PROJECT TOTAL \$ 3,214,588</b>			
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION										
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____				Emergency and routine maintenance requirements should decrease where new equipment is installed.										
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	<b>STRIP MAP</b>					
Design	21							21						
Land/Right-of-Way														
Construction	1,077	100	250	250	250	250		2,177						
Landscaping														
Equip. & Furnish.	442	275	100	100	100			1,017						
Other														
<b>TOTAL COSTS</b>	<b>1,540</b>	<b>375</b>	<b>350</b>	<b>350</b>	<b>350</b>	<b>250</b>		<b>3,215</b>						
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total						
Current Funds														
GO's/Com Paper Issued	1,600							1,600	<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>			
GO's Unissued		200	350	350	350	250		1,500	Design					
RB's/Com Paper									Land/Right-of-Way					
Certificates of Obligation									Construction					
Other (Reimbursements)	115							115	Finish Out					
<b>Unfunded</b>									Other					
<b>TOTAL SOURCES</b>	<b>1,715</b>	<b>200</b>	<b>350</b>	<b>350</b>	<b>350</b>	<b>250</b>		<b>3,215</b>	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)			

PAGE NO: <b>ST32</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*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.																																																																																																																						
<b>IMPACT ON OPERATING BUDGET</b> <input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____											<b>IMPACT EXPLANATION</b> This will involve new equipment that will be necessary to maintain.																																																																																																											
<table border="1"> <thead> <tr> <th>*PROJECT COSTS</th> <th>Thru 12-2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021 to Completion</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Design</td> <td>87</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>87</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>230</td> <td>108</td> <td></td> <td></td> <td></td> <td></td> <td>1,675</td> <td>2,013</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. &amp; 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><b>TOTAL COSTS</b></td> <td>317</td> <td>108</td> <td></td> <td></td> <td></td> <td></td> <td>1,675</td> <td>2,100</td> </tr> </tbody> </table>											*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	Design	87							87	Land/Right-of-Way									Construction	230	108					1,675	2,013	Landscaping									Equip. & Furnish.									Other									<b>TOTAL COSTS</b>	317	108					1,675	2,100	<table border="1"> <thead> <tr> <th>FUNDING SOURCE(S)</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>2004 Bond Fund</td> <td></td> <td>\$ 2,100,000</td> </tr> <tr> <td><b>TOTAL FUNDED</b></td> <td></td> <td><b>\$ 2,100,000</b></td> </tr> <tr> <td><b>UNFUNDED</b></td> <td></td> <td><b>\$</b></td> </tr> <tr> <td><b>PROJECT TOTAL</b></td> <td></td> <td><b>\$ 2,100,000</b></td> </tr> </tbody> </table>			FUNDING SOURCE(S)			2004 Bond Fund		\$ 2,100,000	<b>TOTAL FUNDED</b>		<b>\$ 2,100,000</b>	<b>UNFUNDED</b>		<b>\$</b>	<b>PROJECT TOTAL</b>		<b>\$ 2,100,000</b>																		
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*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH																																																																																																											
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<b>Unfunded</b>																																																																																																																						
<b>TOTAL SOURCES</b>	425						1,675	2,100	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)																																																																																																											





<b>PAGE NO:</b> <b>ST35</b>	<i>New Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*Amounts in 000's \$	<b>COUNCIL DISTRICT(S)</b> 8	
<b>DEPARTMENT</b> STREET		<b>PROJECT TITLE</b> SHADY LANE - TANGLEWOOD LN. TO RESISTOL RD.						<b>PROJECT NO(S).</b> 39821	<b>ACCOUNT NO(S).</b> 825-8378-3982116	
<b>PROJECT DESCRIPTION</b> CDBG-funded street construction.								<b>FUNDING SOURCE(S)</b>		
								CDBG Funds	\$ 270,000	
<b>IMPACT ON OPERATING BUDGET</b>  <input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____								<b>IMPACT EXPLANATION</b>		
								<b>TOTAL FUNDED</b>		<b>\$ 270,000</b>
								<b>UNFUNDED</b>		<b>\$</b>
								<b>PROJECT TOTAL</b>		<b>\$ 270,000</b>
								<b>STRIP MAP</b>		
<b>*PROJECT COSTS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Design										
Land/Right-of-Way										
Construction		270						270		
Landscaping										
Equip. & Furnish.										
Other										
<b>TOTAL COSTS</b>		270						270		
<b>*SOURCE OF FUNDS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation										
Other (CDBG)		270						270		
<b>Unfunded</b>										
<b>TOTAL SOURCES</b>		270						270		
								<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>
								Design		
								Land/Right-of-Way		
								Construction	1/2016	9/2016
								Finish Out		
								Other		
								<b>TOTAL SCHEDULE</b>	1/2016	9/2016

<b>PAGE NO:</b> <b>ST36</b>	<i>New Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*Amounts in 000's \$	<b>COUNCIL DISTRICT(S)</b> 5	
<b>DEPARTMENT</b> STREET		<b>PROJECT TITLE</b> ARROWHEAD DR. - BROADMOOR TO NORTHWEST						<b>PROJECT NO(S).</b> 39822	<b>ACCOUNT NO(S).</b> 825-8378-3982216	
<b>PROJECT DESCRIPTION</b> CDBG-funded street construction.								<b>FUNDING SOURCE(S)</b>		
								CDBG Funds	\$ 280,000	
<b>IMPACT ON OPERATING BUDGET</b>  <input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____								<b>IMPACT EXPLANATION</b>		
								<b>TOTAL FUNDED</b>		<b>\$ 280,000</b>
								<b>UNFUNDED</b>		<b>\$</b>
								<b>PROJECT TOTAL</b>		<b>\$ 280,000</b>
								<b>STRIP MAP</b>		
<b>*PROJECT COSTS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Design										
Land/Right-of-Way										
Construction		280						280		
Landscaping										
Equip. & Furnish.										
Other										
<b>TOTAL COSTS</b>		280						280		
<b>*SOURCE OF FUNDS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation										
Other (CDBG)		280						280		
<b>Unfunded</b>										
<b>TOTAL SOURCES</b>		280						280		
								<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>
								Design		
								Land/Right-of-Way		
								Construction	1/2016	9/2016
								Finish Out		
								Other		
								<b>TOTAL SCHEDULE</b>	1/2016	9/2016



**DRAINAGE DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
14230	Miscellaneous Flooding	D01	GOB04	\$3,395	\$547	\$0	\$0	\$0	\$0	\$0	\$3,942
14231	Petition Drainage	D02	GOB04/Other	1,254	300	487	531	0	0	0	2,572
14244	Classic and Yale	D03	GOB04/UNF	3,041	100	0	488	650	3,921	0	8,200
14245	Garland Heights / Freeman	D04	GOB04	0	0	0	0	350	1,350	2,500	4,200
14246	Parkmont Drive	D05	GOB04	375	1,125	2,550	0	0	0	0	4,050
14248	Bridge Remediation	D06	CF/CO	1,178	1,372	0	0	0	0	0	2,550
14299	Downtown Drainage Improvements	D07	CF/Other	2,244	419	0	0	0	0	0	2,663
Total				<u>\$11,487</u>	<u>\$3,863</u>	<u>\$3,037</u>	<u>\$1,019</u>	<u>\$1,000</u>	<u>\$5,271</u>	<u>\$2,500</u>	<u>\$28,177</u>
Total Existing CO's/Current Funds				\$3,944	\$1,791	\$0	\$0	\$0	\$0	\$0	\$5,735
Unfunded				0	0	0	0	0	2,200	0	2,200
2016 Certificate of Obligation				0	0	0	0	0	0	0	0
Total 2004 Bond Program				<u>7,543</u>	<u>2,072</u>	<u>3,037</u>	<u>1,019</u>	<u>1,000</u>	<u>3,071</u>	<u>2,500</u>	<u>20,242</u>
Total				<u>\$11,487</u>	<u>\$3,863</u>	<u>\$3,037</u>	<u>\$1,019</u>	<u>\$1,000</u>	<u>\$5,271</u>	<u>\$2,500</u>	<u>\$28,177</u>

**DRAINAGE DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**DEBT ISSUANCE REQUIREMENTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Project Status</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
14231	Petition Drainage	D02	Appr.	\$0	\$0	\$162	\$0	\$0	\$0	\$162
14244	Classic and Yale	D03	Appr.	0	0	488	650	3,921	0	5,059
14245	Garland Heights / Freeman	D04	Appr.	0	0	0	350	1,350	2,500	4,200
14246	Parkmont Drive	D05	Appr.	979	2,550	0	0	0	0	3,529
	Total			<u>\$979</u>	<u>\$2,550</u>	<u>\$650</u>	<u>\$1,000</u>	<u>\$5,271</u>	<u>\$2,500</u>	<u>\$12,950</u>
	Total Approved			\$979	\$2,550	\$650	\$1,000	\$5,271	\$2,500	\$12,950
	Total Unapproved			0	0	0	0	0	0	0
	Total			<u>\$979</u>	<u>\$2,550</u>	<u>\$650</u>	<u>\$1,000</u>	<u>\$5,271</u>	<u>\$2,500</u>	<u>\$12,950</u>



PAGE NO: <b>D02</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All			
DEPARTMENT <b>DRAINAGE</b>		PROJECT TITLE <b>PETITION DRAINAGE</b>				PROJECT NO(S). 14231		ACCOUNT NO(S). 625-1409-1423104			
PROJECT DESCRIPTION		FUNDING SOURCE(S)				TOTAL FUNDED		\$ 2,572,426			
This program reserves funds to participate with property owners in the design and construction of drainage improvement districts throughout the city.		2004 Bond Fund				\$ 2,050,000					
		Drainage Participation				522,426					
						UNFUNDED		\$			
						PROJECT TOTAL		\$ 2,572,426			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				STRIP MAP					
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____											
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design	360							360			
Land/Right-of-Way											
Construction	894	300	487	531				2,212			
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>	<b>1,254</b>	<b>300</b>	<b>487</b>	<b>531</b>				<b>2,572</b>			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH
Current Funds											
GO's/Com Paper Issued	1,888							1,888	Design		
GO's Unissued				162				162	Land/Right-of-Way		
RB's/Com Paper									Construction		
Certificates of Obligation									Finish Out		
Other (Drainage Part.)	522							522	Other		
<b>Unfunded</b>											
<b>TOTAL SOURCES</b>	<b>2,410</b>			<b>162</b>				<b>2,572</b>	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)



<b>DEPARTMENT</b> DRAINAGE	<b>PROJECT TITLE</b> GARLAND HEIGHTS / FREEMAN	<b>PROJECT NO(S)</b> 14245	<b>ACCOUNT NO(S)</b> 625-1409-1424504
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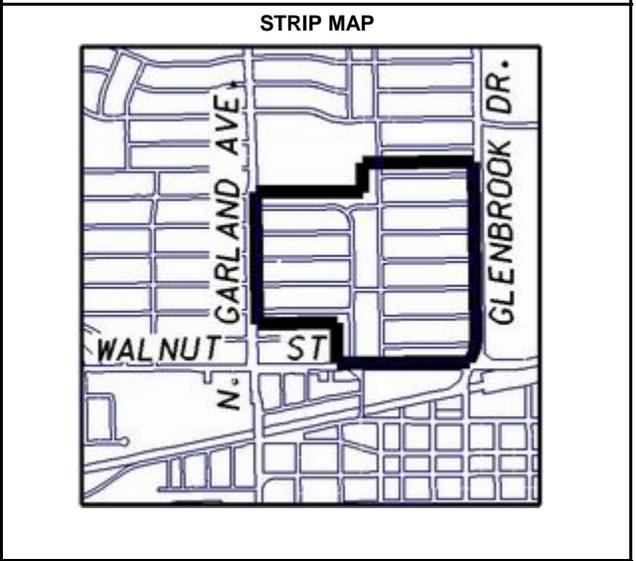
**PROJECT DESCRIPTION**  
Funding is provided for the design, land acquisition, permitting, and construction related to neighborhood drainage improvements.

<b>FUNDING SOURCE(S)</b>	
2004 Bond Fund	\$ 4,200,000
<b>TOTAL FUNDED</b>	
	\$ 4,200,000
<b>UNFUNDED</b>	
	\$
<b>PROJECT TOTAL</b>	
	\$ 4,200,000

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

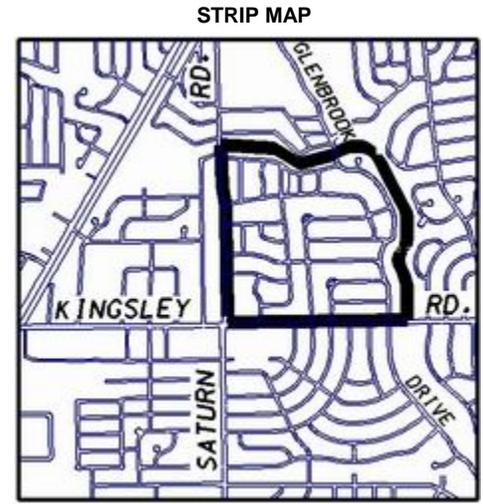
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design					300	200		500
Land/Right-of-Way					50	150		200
Construction						1,000	2,500	3,500
Landscaping								
Equip. & Furnish.								
Other								
<b>TOTAL COSTS</b>					350	1,350	2,500	4,200

*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Current Funds								
GO's/Com Paper Issued								
GO's Unissued					350	1,350	2,500	4,200
RB's/Com Paper								
Certificates of Obligation								
Other								
<b>Unfunded</b>								
<b>TOTAL SOURCES</b>					350	1,350	2,500	4,200



PROJECT SCHEDULE	START	FINISH
Design	3/2019	12/2020
Land/Right-of-Way	1/2019	12/2020
Construction	10/2020	12/2021
Finish Out		
Other		
<b>TOTAL SCHEDULE</b>	1/2019	12/2021

PAGE NO: <b>D05</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 5		
CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST				PROJECT NO(S). 14246		ACCOUNT NO(S). 625-1409-1424604				
DEPARTMENT <b>DRAINAGE</b>		PROJECT TITLE <b>PARKMONT DRIVE</b>				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				
IMPACT ON OPERATING BUDGET <input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____						IMPACT EXPLANATION				
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Design		375	50	21					446	
Land/Right-of-Way			75						75	
Construction			1,000	2,529					3,529	
Landscaping										
Equip. & Furnish.										
Other										
<b>TOTAL COSTS</b>		375	1,125	2,550					4,050	
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Current Funds										
GO's/Com Paper Issued		521							521	
GO's Unissued			979	2,550					3,529	
RB's/Com Paper										
Certificates of Obligation										
Other										
<b>Unfunded</b>										
<b>TOTAL SOURCES</b>		521	979	2,550					4,050	
		<b>PROJECT SCHEDULE</b>		<b>START</b>		<b>FINISH</b>				
		Design		9/2008		12/2017				
		Land/Right-of-Way		1/2016		12/2016				
		Construction		1/2016		12/2017				
		Finish Out								
		Other								
		<b>TOTAL SCHEDULE</b>		9/2008		12/2017				







**LIBRARY DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
19580	Library Materials	L01	CO/UNF	\$1,227	\$750	\$750	\$750	\$750	\$750	\$750	\$5,727
19581	Facilities Upgrades	L02	CF/GOB04/CO	2,301	709	0	0	0	0	0	3,010
19584	Central Library Parking Lot Lighting	L03	CO	49	301	0	0	0	0	0	350
19585	Central Library Fire Upgrades	L04	CO	31	822	0	0	0	0	0	853
19587	RFID Service Delivery	L05	CO/Other/UNF	292	1,401	534	0	0	0	0	2,227
	Total			<u>\$3,900</u>	<u>\$3,983</u>	<u>\$1,284</u>	<u>\$750</u>	<u>\$750</u>	<u>\$750</u>	<u>\$750</u>	<u>\$12,167</u>
	Total Existing CO's and Current Funds			\$1,900	\$2,001	\$75	\$0	\$0	\$0	\$0	\$3,976
	2016 Certificates of Obligation			0	1,982	0	0	0	0	0	1,982
	2004 Bond Program			2,000	0	0	0	0	0	0	2,000
	Unfunded			0	0	1,209	750	750	750	750	4,209
	Total			<u>\$3,900</u>	<u>\$3,983</u>	<u>\$1,284</u>	<u>\$750</u>	<u>\$750</u>	<u>\$750</u>	<u>\$750</u>	<u>\$12,167</u>

**LIBRARY DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**DEBT ISSUANCE REQUIREMENTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Project Status</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
19580	Library Materials	L01	Appr.	\$750	\$750	\$750	\$750	\$750	\$750	\$4,500
19585	Central Library Fire Upgrades	L04	Appr.	299	0	0	0	0	0	299
19587	RFID Service Delivery	L05	Appr.	933	459	0	0	0	0	1,392
	Total			<u>\$1,982</u>	<u>\$1,209</u>	<u>\$750</u>	<u>\$750</u>	<u>\$750</u>	<u>\$750</u>	<u>\$6,191</u>
	Total Approved			\$1,982	\$1,209	\$750	\$750	\$750	\$750	\$6,191
	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>\$1,982</u>	<u>\$1,209</u>	<u>\$750</u>	<u>\$750</u>	<u>\$750</u>	<u>\$750</u>	<u>\$6,191</u>

PAGE NO: <b>L01</b>		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All		
DEPARTMENT LIBRARY				PROJECT TITLE LIBRARY MATERIALS					PROJECT NO(S). 19580	ACCOUNT NO(S). 641-2599-1958004	
PROJECT DESCRIPTION											
<p>Since 1998, funding for library materials has remained at \$1,050,000. Demand for print materials remains strong while the Library Online's downloadable collection continues to be popular with citizens. The Long-Range Plan for Collection Development was approved by the City Council in May 2011 as part of the State Library's accreditation requirement.</p> <p>In 2016, funding is being reduced by \$300,000 due to the approval funds for Library Materials in the FY 2015-16 Operating Budget. Future year CIP Program funding for Library Materials could be reduced by similar offsets or approved increases in Operating Budget.</p>											
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION							
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions <u>0</u> Operations      100,000 Capital <u>200,000</u> Total <u>\$300,000</u>				The 2016 Operating Budget includes \$300,000 in funding for Library Materials.							
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Design											
Land/Right-of-Way											
Construction											
Landscaping											
Equip. & Furnish.											
Other		1,227	750	750	750	750	750	750	5,727		
<b>TOTAL COSTS</b>		<b>1,227</b>	<b>750</b>	<b>750</b>	<b>750</b>	<b>750</b>	<b>750</b>	<b>750</b>	<b>5,727</b>		
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		1,227	750						1,977		
Other											
<b>Unfunded</b>				750	750	750	750	750	3,750		
<b>TOTAL SOURCES</b>		<b>1,227</b>	<b>750</b>	<b>750</b>	<b>750</b>	<b>750</b>	<b>750</b>	<b>750</b>	<b>5,727</b>		
FUNDING SOURCE(S)											
Certificates of Oblig. Issued      \$ 1,226,695 2016 Certificates of Oblig.      750,000											
<b>TOTAL FUNDED</b>								<b>\$ 1,976,695</b>			
<b>UNFUNDED</b>								<b>\$ 3,750,000</b>			
<b>PROJECT TOTAL</b>								<b>\$ 5,726,695</b>			
STRIP MAP											
Various locations.											
PROJECT SCHEDULE											
		START		FINISH							
Design											
Land/Right-of-Way											
Construction											
Finish Out											
Other											
<b>TOTAL SCHEDULE</b>		<b>(Ongoing</b>		<b>Project)</b>							

PAGE NO: <b>L02</b>		<i>Continuing Project</i>		<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>					*Amounts in 000's \$	COUNCIL DISTRICT(S) 2, 4, 6, 7		
DEPARTMENT LIBRARY			PROJECT TITLE FACILITIES UPGRADES					PROJECT NO(S) 19581		ACCOUNT NO(S) 641-2599-1958104 692-2599-1958104		
PROJECT DESCRIPTION												
Renovation/Furniture/Fixture upgrades to all existing Library buildings. Continuing items include replacement furniture, carpeting, security exit gates, completion of electronic sign upgrades, and shelving.												
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION									
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____												
<b>STRIP MAP</b>												
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design	204							204				
Land/Right-of-Way												
Construction	1,499	64						1,563				
Landscaping												
Equip. & Furnish.	536	607						1,143				
Other (Project Manager)	62	38						100				
<b>TOTAL COSTS</b>	<b>2,301</b>	<b>709</b>						<b>3,010</b>				
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds	45							45	Design			
GO's/Com Paper Issued	2,000							2,000	Land/Right-of-Way			
GO's Unissued									Construction			
RB's/Com Paper									Finish Out			
Certificates of Obligation	965							965	Other			
Other												
<b>Unfunded</b>												
<b>TOTAL SOURCES</b>	<b>3,010</b>							<b>3,010</b>	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)	





PAGE NO: <b>L05</b>		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) 2, 4, 6, 7			
DEPARTMENT LIBRARY				PROJECT TITLE RFID SERVICE DELIVERY					PROJECT NO(S) 19587		ACCOUNT NO(S) 692-2599-1958700	
<b>PROJECT DESCRIPTION</b> This project provides for RFID inventory control and asset management and security with automated check-in and materials sorting, with minor modifications to facilities. RFID tagging of new books began in 2008, and tagging and programming of the entire collection was completed in summer 2015. The project was the focus of the Library Long-Range Plan approved by City Council in 2011, with an RFID consulting plan and an architectural study completed in 2013. The Library has worked with both the IT Department and Facilities Management Department on the project. Building modifications are expected to begin in summer 2016 with equipment installed as modifications are completed. The Central Library exterior return is expected to be the last project with construction completed in December 2016. Acceptance milestones will be designed to push payment for approximately one-third of the equipment into spring 2017.								<b>FUNDING SOURCE(S)</b> Other \$ 835,000 2016 Certificates of Oblig. 933,000  <b>TOTAL FUNDED</b> \$ 1,768,000 <b>UNFUNDED</b> \$ 459,000 <b>PROJECT TOTAL</b> \$ 2,227,000				
<b>IMPACT ON OPERATING BUDGET</b> <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations 80,000 # of Positions _____ Capital _____ Total \$80,000				<b>IMPACT EXPLANATION</b> Installed project will require equipment maintenance. This amount is estimated, with the cost to be negotiated upon selection of the RFID vendor.								
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	<b>STRIP MAP</b>		
Design												
Land/Right-of-Way												
Construction			303						303			
Landscaping												
Equip. & Furnish.			1,038	519					1,557			
Other (Consulting/Mgmt)		292	60	15					367			
<b>TOTAL COSTS</b>		292	1,401	534					2,227			
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation			933						933			
Other (Lib. Tech. Fund)		292	468	75					835			
<b>Unfunded</b>				459					459			
<b>TOTAL SOURCES</b>		292	1,401	534					2,227			
										<b>PROJECT SCHEDULE</b> <b>START</b> <b>FINISH</b>		
										Design		
										Land/Right-of-Way		
									933	Construction	10/2016	12/2017
									835	Finish Out		
									459	Other	1/2013	12/2017
									2,227	<b>TOTAL SCHEDULE</b>	1/2013	12/2017

**PUBLIC SAFETY DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b><u>Fire</u></b>											
12032	Fire Station No. 5	PS01	GOB91/04/CO/CF	\$1,394	\$4,070	\$0	\$0	\$0	\$0	\$0	\$5,464
12099	Remodel Fire Station No. 7	PS02	GOB04/UNF	0	0	0	0	0	0	2,850	2,850
12101	Relocate Fire Station No. 1	PS03	GOB04/UNF	0	0	0	0	0	0	11,799	11,799
12107	Ambulance Remounts	PS04	CO/CF/UNF	817	452	445	461	477	494	511	3,657
12058	Replace Fire Apparatus	PS05	CO/CF/UNF	3,930	306	1,375	0	1,975	0	1,578	9,164
12108	Emergency Response Safety Equip./Service	PS06	CO/CF	619	53	0	0	0	0	0	672
<b><u>Management Information Services</u></b>											
23047	Radio System Replacement	PS07	CO/CF/INT/OTHER	4,696	12,400	0	0	0	0	0	17,096
Total				<u>\$11,456</u>	<u>\$17,281</u>	<u>\$1,820</u>	<u>\$461</u>	<u>\$2,452</u>	<u>\$494</u>	<u>\$16,738</u>	<u>\$50,702</u>
Total Existing CO's/Current Funds/Tax/Interest				\$11,023	\$12,017	\$0	\$0	\$0	\$0	\$0	\$23,040
2016 Certificates of Obligation				0	4,712	0	0	0	0	0	4,712
Unfunded				0	0	1,820	461	2,452	494	15,713	20,940
Total 1991 Bond Program				355	205	0	0	0	0	0	560
Total 2004 Bond Program				78	347	0	0	0	0	1,025	1,450
Total				<u>\$11,456</u>	<u>\$17,281</u>	<u>\$1,820</u>	<u>\$461</u>	<u>\$2,452</u>	<u>\$494</u>	<u>\$16,738</u>	<u>\$50,702</u>

**PUBLIC SAFETY DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**UNAPPROVED PROJECTS**

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Thru 12/31/15</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021 to Completion</u>	<u>Project Total</u>
	<b><u>Fire</u></b>									
12098	Relocate Fire Station No. 6	PS08	\$0	\$0	\$0	\$0	\$0	\$0	\$8,969	\$8,969
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$8,969</u>	<u>\$8,969</u>

**PUBLIC SAFETY DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**DEBT ISSUANCE REQUIREMENTS**

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Project Status</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021 to Completion</u>	<u>Project Total</u>
<b><u>Fire</u></b>										
12032	Fire Station No. 5	PS01	Appr.	\$575	\$0	\$0	\$0	\$0	\$0	\$575
12099	Remodel Fire Station No. 7	PS02	Appr.	0	0	0	0	0	2,850	2,850
12101	Relocate Fire Station No. 1	PS03	Appr.	0	0	0	0	0	11,799	11,799
12107	Ambulance Remounts	PS04	Appr.	344	445	461	477	494	511	2,732
12058	Replace Fire Apparatus	PS05	Appr.	0	1,375	0	1,975	0	1,578	4,928
12098	Relocate Fire Station No. 6	PS08	Unappr.	0	0	0	0	0	8,969	8,969
<b><u>Management Information Services</u></b>										
23047	Radio System Replacement	PS07	Appr.	3,793	0	0	0	0	0	3,793
Total				<u>\$4,712</u>	<u>\$1,820</u>	<u>\$461</u>	<u>\$2,452</u>	<u>\$494</u>	<u>\$25,707</u>	<u>\$35,646</u>
Total Approved				\$4,712	\$1,820	\$461	\$2,452	\$494	\$16,738	\$26,677
Total Unapproved				<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>8,969</u>	<u>8,969</u>
Total				<u>\$4,712</u>	<u>\$1,820</u>	<u>\$461</u>	<u>\$2,452</u>	<u>\$494</u>	<u>\$25,707</u>	<u>\$35,646</u>

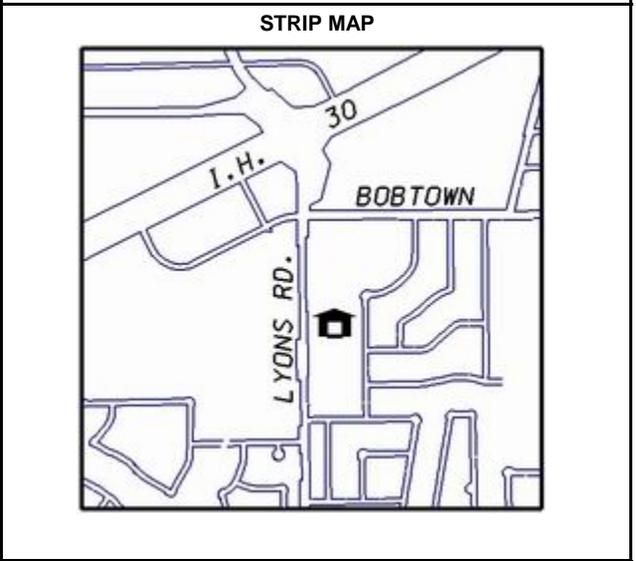
<b>DEPARTMENT</b> FIRE	<b>PROJECT TITLE</b> FIRE STATION NO. 5	<b>PROJECT NO(S).</b> 12032 12032	<b>ACCOUNT NO(S).</b> 633-4749-1203200 692-4749-1203200
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**PROJECT DESCRIPTION**  
The original scope of this project was to remodel Fire Station No. 5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

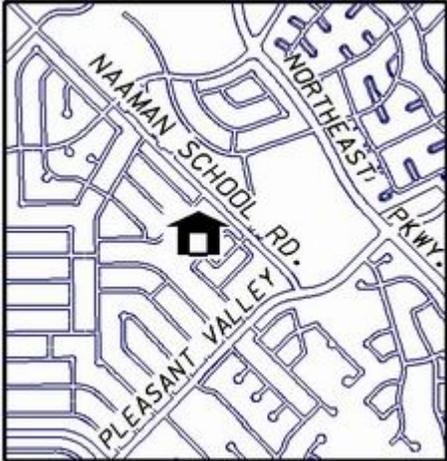
<b>FUNDING SOURCE(S)</b>	
1991 Bond Fund	\$ 560,000
2004 Bond Fund	425,000
Certificates of Oblig. Issued	2,565,371
Current Funds	1,339,101
2016 Certificates of Oblig.	575,000
<b>TOTAL FUNDED</b>	<b>\$ 5,464,472</b>
<b>UNFUNDED</b>	<b>\$</b>
<b>PROJECT TOTAL</b>	<b>\$ 5,464,472</b>

<b>IMPACT ON OPERATING BUDGET</b>	<b>IMPACT EXPLANATION</b>
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____	Current building is non-sustainable in regard to maintenance. Operational impacts should be minimal due to inefficiencies of current mechanical systems. More cost-efficient and sustainable designs will be sought in new station.

*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design	344	55						399
Land/Right-of-Way								
Construction	1,000	3,271						4,271
Landscaping								
Equip. & Furnish.		230						230
Other	50	514						564
<b>TOTAL COSTS</b>	<b>1,394</b>	<b>4,070</b>						<b>5,464</b>
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 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	2,565	575						3,140
Other								
<b>Unfunded</b>								
<b>TOTAL SOURCES</b>	<b>4,889</b>	<b>575</b>						<b>5,464</b>



PROJECT SCHEDULE	START	FINISH
Design	1/2006	3/2016
Land/Right-of-Way		
Construction	10/2015	12/2016
Finish Out		
Other		
<b>TOTAL SCHEDULE</b>	<b>1/2006</b>	<b>12/2016</b>

<b>PAGE NO:</b> <b>PS02</b>	<i>Unfunded Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>	*Amounts in 000's \$		<b>COUNCIL DISTRICT(S)</b> 1					
<b>DEPARTMENT</b> FIRE		<b>PROJECT TITLE</b> REMODEL FIRE STATION NO. 7			<b>PROJECT NO(S)</b> 12099	<b>ACCOUNT NO(S)</b> 642-1399-1209904				
<b>PROJECT DESCRIPTION</b> Remodel Fire Station No. 7 (built in 1985) located at 2545 Naaman School Road.					<b>FUNDING SOURCE(S)</b> 2004 Bond Fund \$ 425,000					
<b>IMPACT ON OPERATING BUDGET</b>		<b>IMPACT EXPLANATION</b>								
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____		Building and mechanical need updating and replacing to prolong building life.								
		<b>TOTAL FUNDED</b> \$ 425,000 <b>UNFUNDED</b> \$ 2,425,000 <b>PROJECT TOTAL</b> \$ 2,850,000								
<b>STRIP MAP</b>										
										
<b>*PROJECT COSTS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Design										
Land/Right-of-Way										
Construction							2,500	2,500		
Landscaping										
Equip. & Furnish.							350	350		
Other										
<b>TOTAL COSTS</b>							2,850	2,850		
<b>*SOURCE OF FUNDS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued							425	425		
RB's/Com Paper										
Certificates of Obligation										
Other										
<b>Unfunded</b>							2,425	2,425		
<b>TOTAL SOURCES</b>							2,850	2,850		
								<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>
								Design		
								Land/Right-of-Way		
								Construction		
								Finish Out		
								Other		
<b>TOTAL SCHEDULE</b>									1/2021	12/2022







PAGE NO: <b>PS06</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All																												
DEPARTMENT FIRE		PROJECT TITLE EMERGENCY RESPONSE SAFETY EQUIP./SERVICE						PROJECT NO(S). 12108		ACCOUNT NO(S). 692-1399-12108XX																										
PROJECT DESCRIPTION		PROJECT DESCRIPTION						FUNDING SOURCE(S)																												
Project provides funding for the replacement of emergency response safety equipment to ensure compliance with the National Fire Protection Association (NFPA) Standards.		Project provides funding for the replacement of emergency response safety equipment to ensure compliance with the National Fire Protection Association (NFPA) Standards.						<table border="0"> <tr> <td>Certificates of Oblig. Issued</td> <td>\$</td> <td>647,000</td> <td></td> <td></td> </tr> <tr> <td>Current Funds</td> <td></td> <td></td> <td>25,200</td> <td></td> </tr> <tr> <td colspan="2">TOTAL FUNDED</td> <td>\$</td> <td>672,200</td> <td></td> </tr> <tr> <td colspan="2">UNFUNDED</td> <td>\$</td> <td></td> <td></td> </tr> <tr> <td colspan="2">PROJECT TOTAL</td> <td>\$</td> <td>672,200</td> <td></td> </tr> </table>				Certificates of Oblig. Issued	\$	647,000			Current Funds			25,200		TOTAL FUNDED		\$	672,200		UNFUNDED		\$			PROJECT TOTAL		\$	672,200	
Certificates of Oblig. Issued	\$	647,000																																		
Current Funds			25,200																																	
TOTAL FUNDED		\$	672,200																																	
UNFUNDED		\$																																		
PROJECT TOTAL		\$	672,200																																	
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						STRIP MAP																												
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____																																				
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total																												
Design																																				
Land/Right-of-Way																																				
Construction																																				
Landscaping																																				
Equip. & Furnish.	619	53						672																												
Other																																				
<b>TOTAL COSTS</b>	<b>619</b>	<b>53</b>						<b>672</b>																												
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total																												
Current Funds	25							25																												
GO's/Com Paper Issued																																				
GO's Unissued																																				
RB's/Com Paper																																				
Certificates of Obligation	647							647																												
Other																																				
<b>Unfunded</b>																																				
<b>TOTAL SOURCES</b>	<b>672</b>							<b>672</b>	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)																									
									PROJECT SCHEDULE	START	FINISH																									
									Design																											
									Land/Right-of-Way																											
									Construction																											
									Finish Out																											
									Other																											

PAGE NO: <b>PS07</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All						
DEPARTMENT MGMT INFO SERVICES		PROJECT TITLE RADIO SYSTEM REPLACEMENT				PROJECT NO(S) 23047		ACCOUNT NO(S) 416-4599-23047XX						
PROJECT DESCRIPTION		IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION				FUNDING SOURCE(S)				
Requesting funding for new P25 standard radio system for Public Safety and other City entities to replace end-of-life-cycle existing analog radio system. The City uses Motorola's Gold Elite console system and relies on a trunked radio system. Motorola no longer manufactures these systems, and continued support of these will terminate prior to 2016.		<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions <u>  5  </u> Operations Capital Total _____		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.				Certificates of Oblig. Issued      \$ 7,545,000 Current Funds      1,000,000 Interest      650,000 2016 Certificates of Oblig.      3,793,000 Reimbursement      4,108,000  TOTAL FUNDED      \$ 17,096,000 UNFUNDED      \$ PROJECT TOTAL      \$ 17,096,000				STRIP MAP Various locations.		
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total						
Design														
Land/Right-of-Way														
Construction	4,526	12,230						16,756						
Landscaping														
Equip. & Furnish.														
Other (Project Manager)	170	170						340						
<b>TOTAL COSTS</b>	<b>4,696</b>	<b>12,400</b>						<b>17,096</b>						
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total						
Current Funds	1,000							1,000						
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH			
GO's Unissued									Design					
RB's/Com Paper									Land/Right-of-Way					
Certificates of Obligation	7,545	3,793						11,338	Construction	4/2014	12/2016			
Other (Interest/Reimb.)	650	4,108						4,758	Finish Out					
<b>Unfunded</b>									Other	1/2014	12/2016			
<b>TOTAL SOURCES</b>	<b>9,195</b>	<b>7,901</b>						<b>17,096</b>	<b>TOTAL SCHEDULE</b>	<b>1/2014</b>	<b>12/2016</b>			

<b>DEPARTMENT</b> FIRE	<b>PROJECT TITLE</b> RELOCATE FIRE STATION NO. 6	<b>PROJECT NO(S).</b> 12098	<b>ACCOUNT NO(S).</b> 692-1399-1209804
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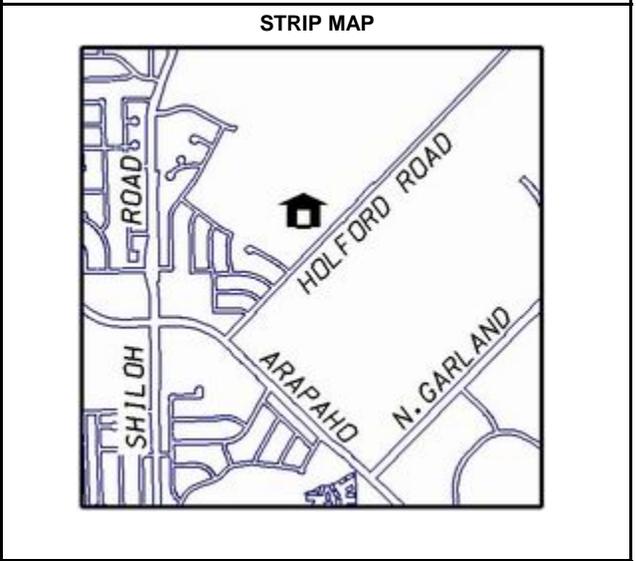
**PROJECT DESCRIPTION**  
Relocate and rebuild Fire Station No. 6. A third party professional engineer advised relocation in 2014 of Station No. 6 (built in 1980), located at 2009 Holford Road, to meet standards of coverage. Proximity to the intersection of Shiloh and Campbell would meet standards of coverage criteria. Standards of coverage will be followed to determine the best location to maximize response efficiencies and effectiveness.

<b>FUNDING SOURCE(S)</b>		\$
<b>TOTAL FUNDED</b>		\$
<b>UNFUNDED</b>		\$ 8,969,000
<b>PROJECT TOTAL</b>		\$ 8,969,000

<b>IMPACT ON OPERATING BUDGET</b>	<b>IMPACT EXPLANATION</b>
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____	Undetermined foundation issues are a concern. The cost of repairs versus future plans will be of consideration as the building ages.

*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design							790	790
Land/Right-of-Way							1,750	1,750
Construction							5,243	5,243
Landscaping								
Equip. & Furnish.							374	374
Other							812	812
<b>TOTAL COSTS</b>							8,969	8,969

*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Current Funds								
GO's/Com Paper Issued								
GO's Unissued								
RB's/Com Paper								
Certificates of Obligation								
Other								
<b>Unfunded</b>							8,969	8,969
<b>TOTAL SOURCES</b>							8,969	8,969



PROJECT SCHEDULE	START	FINISH
Design	1/2020	7/2020
Land/Right-of-Way		
Construction		
Finish Out		
Other		
<b>TOTAL SCHEDULE</b>	1/2022	12/2024

**ECONOMIC DEVELOPMENT DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b>Engineering</b>											
10046	Land/Property Acquisition	ED01	INT	\$73	\$150	\$77	\$0	\$0	\$0	\$0	\$300
<b>Planning</b>											
10027	Downtown Streetscape & Redevelop. Design	ED02	CF/CO/Othr/UNF	678	1,352	0	0	0	0	1,676	3,706
10032	Land Acquisition	ED03	GOB04	55	0	0	0	0	0	3,365	3,420
10034	Neighborhood Vitality Grant Program	ED04	GOB04/Other	2,965	524	520	520	521	0	0	5,050
10042	Downtown Gateways	ED05	GOB04	0	100	700	0	0	0	0	800
10043	Downtown Square Design & Construction	ED06	GOB04/INT/UNF	236	300	0	1,800	1,577	0	0	3,913
10044	Forest/Jupiter Streetscape	ED07	GOB04	0	0	0	100	0	880	0	980
10049	Commercial Corridor Revitalization	ED08	GOB04	110	0	0	0	0	0	2,890	3,000
10127	Walnut Street Pedestrian Corridor	ED09	CF/CO/Other/INT	393	1,065	0	0	0	0	0	1,458
10136	City Center Development	ED10	CF/CO/Other	14,211	3,625	0	0	0	0	0	17,836
10508 *	Economic Development Office	ED11	CF/CO	0	1,573	0	0	0	0	0	1,573
Total				<u>\$18,721</u>	<u>\$8,689</u>	<u>\$1,297</u>	<u>\$2,420</u>	<u>\$2,098</u>	<u>\$880</u>	<u>\$7,931</u>	<u>\$42,036</u>
Total Existing CO's/CF/Other				\$15,418	\$6,615	\$77	\$0	\$0	\$0	\$3	\$22,113
2016 Certificate of Obligation				0	1,150	0	0	0	0	0	1,150
Total 2004 Bond Program				3,303	924	1,220	1,497	521	880	6,255	14,600
Unfunded				0	0	0	923	1,577	0	1,673	4,173
Total				<u>\$18,721</u>	<u>\$8,689</u>	<u>\$1,297</u>	<u>\$2,420</u>	<u>\$2,098</u>	<u>\$880</u>	<u>\$7,931</u>	<u>\$42,036</u>

**ECONOMIC DEVELOPMENT DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**DEBT ISSUANCE REQUIREMENTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Project Status</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b>Planning</b>										
10027	Downtown Streetscape & Redevelop. Design	ED02	Appr.	\$0	\$0	\$0	\$0	\$0	\$1,673	\$1,673
10032	Land Acquisition	ED03	Appr.	0	0	0	0	0	3,365	3,365
10034	Neighborhood Vitality Grant Program	ED04	Appr.	0	520	520	521	0	0	1,561
10042	Downtown Gateways	ED05	Appr.	0	700	0	0	0	0	700
10043	Downtown Square Design & Construction	ED06	Appr.	0	0	1,800	1,577	0	0	3,377
10044	Forest/Jupiter Streetscape	ED07	Appr.	0	0	100	0	880	0	980
10049	Commercial Corridor Revitalization	ED08	Appr.	0	0	0	0	0	2,890	2,890
10508	* Economic Development Office	ED11	Unappr.	1,150	0	0	0	0	0	1,150
Total				<u>\$1,150</u>	<u>\$1,220</u>	<u>\$2,420</u>	<u>\$2,098</u>	<u>\$880</u>	<u>\$7,928</u>	<u>\$15,696</u>
Total Approved				\$1,150	\$1,220	\$2,420	\$2,098	\$880	\$7,928	\$15,696
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>\$1,150</u>	<u>\$1,220</u>	<u>\$2,420</u>	<u>\$2,098</u>	<u>\$880</u>	<u>\$7,928</u>	<u>\$15,696</u>











<b>PAGE NO:</b> <b>ED06</b>		<b>Continuing Project</b>					*Amounts in 000's \$		<b>COUNCIL DISTRICT(S)</b> 2		
<b>DEPARTMENT</b> PLANNING		<b>PROJECT TITLE</b> DOWNTOWN SQUARE DESIGN & CONSTRUCTION					<b>PROJECT NO(S)</b> 10043		<b>ACCOUNT NO(S)</b> 643-1509-1004304		
<b>PROJECT DESCRIPTION</b> 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.		<b>FUNDING SOURCE(S)</b> 2004 Bond Fund \$ 1,400,000 Interest 13,000  TOTAL FUNDED \$ 1,413,000 UNFUNDED \$ 2,500,000 PROJECT TOTAL \$ 3,913,000					<b>STRIP MAP</b>				
<b>IMPACT ON OPERATING BUDGET</b> <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____		<b>IMPACT EXPLANATION</b> The impact on the Operating Budget cannot be determined until a design is finalized.									
<b>*PROJECT COSTS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design	236	300						536			
Land/Right-of-Way											
Construction				1,800	1,577			3,377			
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>	236	300		1,800	1,577			3,913			
<b>*SOURCE OF FUNDS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds											
GO's/Com Paper Issued	523							523	<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>
GO's Unissued				877				877	Design	10/2010	3/2016
RB's/Com Paper									Land/Right-of-Way		
Certificates of Obligation									Construction	1/2018	12/2019
Other (Interest)	13							13	Finish Out		
<b>Unfunded</b>				923	1,577			2,500	Other		
<b>TOTAL SOURCES</b>	536			1,800	1,577			3,913	<b>TOTAL SCHEDULE</b>	10/2010	12/2019



<b>PAGE NO:</b> <b>ED08</b>		<b>Continuing Project</b>						*Amounts in 000's \$		<b>COUNCIL DISTRICT(S)</b> All																	
<b>DEPARTMENT</b> PLANNING		<b>PROJECT TITLE</b> COMMERCIAL CORRIDOR REVITALIZATION						<b>PROJECT NO(S)</b> 10049		<b>ACCOUNT NO(S)</b> 643-1509-1004904																	
<b>PROJECT DESCRIPTION</b> 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.								<b>FUNDING SOURCE(S)</b> 2004 Bond Fund \$ 3,000,000																			
<b>IMPACT ON OPERATING BUDGET</b> <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____		<b>IMPACT EXPLANATION</b> Operating expenses may be incurred for landscape and irrigation maintenance, plant material replacement, sign installation, and other improvements as identified in the individual corridor implementation strategies.						<table border="1"> <tr> <td colspan="2"><b>TOTAL FUNDED</b></td> <td colspan="3"><b>\$ 3,000,000</b></td> </tr> <tr> <td colspan="2"><b>UNFUNDED</b></td> <td colspan="3"><b>\$</b></td> </tr> <tr> <td colspan="2"><b>PROJECT TOTAL</b></td> <td colspan="3"><b>\$ 3,000,000</b></td> </tr> </table>					<b>TOTAL FUNDED</b>		<b>\$ 3,000,000</b>			<b>UNFUNDED</b>		<b>\$</b>			<b>PROJECT TOTAL</b>		<b>\$ 3,000,000</b>		
<b>TOTAL FUNDED</b>		<b>\$ 3,000,000</b>																									
<b>UNFUNDED</b>		<b>\$</b>																									
<b>PROJECT TOTAL</b>		<b>\$ 3,000,000</b>																									
								<b>STRIP MAP</b>																			
<b>*PROJECT COSTS</b>		<b>Thru 12-2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Total</b>																		
Design		110						440	550																		
Land/Right-of-Way																											
Construction								2,450	2,450																		
Landscaping																											
Equip. & Furnish.																											
Other																											
<b>TOTAL COSTS</b>		110						2,890	3,000																		
<b>*SOURCE OF FUNDS</b>		<b>Thru 12-2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Total</b>																		
Current Funds																											
GO's/Com Paper Issued		110							110																		
GO's Unissued								2,890	2,890																		
RB's/Com Paper																											
Certificates of Obligation																											
Other																											
<b>Unfunded</b>																											
<b>TOTAL SOURCES</b>		110						2,890	3,000																		
										<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>															
										Design	6/2007	6/2021															
										Land/Right-of-Way																	
										Construction	6/2021	12/2022															
										Finish Out																	
										Other																	
										<b>TOTAL SCHEDULE</b>	<b>6/2007</b>	<b>12/2022</b>															

<b>PAGE NO:</b> <b>ED09</b>		<i>Continuing Project</i>		<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>				*Amounts in 000's \$	<b>COUNCIL DISTRICT(S)</b> 2
<b>DEPARTMENT</b> PLANNING		<b>PROJECT TITLE</b> WALNUT STREET PEDESTRIAN CORRIDOR				<b>PROJECT NO(S)</b> 10127		<b>ACCOUNT NO(S)</b> 692-1509-10127XX	
<b>PROJECT DESCRIPTION</b> 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 and Glenbrook Streets. 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.						<b>FUNDING SOURCE(S)</b>			
						Certificates of Oblig. Issued		\$	35,000
						Other			100,000
						Eastgate Residual			104,000
						Current Funds			1,219,000
						<b>TOTAL FUNDED</b>		\$	1,458,000
						<b>UNFUNDED</b>		\$	
						<b>PROJECT TOTAL</b>		\$	1,458,000
<b>IMPACT ON OPERATING BUDGET</b>		<b>IMPACT EXPLANATION</b>							
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____		Operating expenses will be incurred for landscape and irrigation maintenance, litter collection, and plant material replacement. Amount of expenses is undetermined, as it is dependent on the specific design and materials.							
<b>*PROJECT COSTS</b>		<b>Thru 12-2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Total</b>
Design		115	30						145
Land/Right-of-Way									
Construction		260	948						1,208
Landscaping									
Equip. & Furnish.									
Other		18	87						105
<b>TOTAL COSTS</b>		<b>393</b>	<b>1,065</b>						<b>1,458</b>
<b>*SOURCE OF FUNDS</b>		<b>Thru 12-2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Total</b>
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
<b>Unfunded</b>									
<b>TOTAL SOURCES</b>		<b>1,458</b>							<b>1,458</b>
						<b>STRIP MAP</b>			
						<b>PROJECT SCHEDULE</b>		<b>START</b>	<b>FINISH</b>
						Design		3/2011	1/2016
						Land/Right-of-Way			
						Construction		9/2013	12/2016
						Finish Out			
						Other			
						<b>TOTAL SCHEDULE</b>		3/2011	12/2016





**MUNICIPAL FACILITIES AND MISCELLANEOUS  
TAX SUPPORTED DETAIL PROJECT SUMMARY  
(Calendar Year 2016)  
(In 000's Dollars)  
APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b><u>Facilities Management</u></b>											
16037	HVAC Replacement/Upgrade	MF01	CO/UNF	\$520	\$500	\$400	\$250	\$250	\$250	\$0	\$2,170
16038	Roof Replacement	MF02	CF/CO/UNF	348	915	300	300	300	300	0	2,463
16039	Facilities Upgrade	MF03	CF/CO/UNF	562	924	300	300	300	300	0	2,686
16057	Fire Alarm, Fire Safety and Security Systems	MF04	CF/CO/INT/UNF	67	300	150	150	150	150	0	967
16062	Parking Lot Upgrades	MF05	CO/UNF	191	810	200	200	200	200	0	1,801
16066	Carver 3 Renovation	MF06	CO	242	983	0	0	0	0	0	1,225
16104	City Hall Code/Safety Updates	MF07	CO	1,298	612	0	0	0	0	0	1,910
<b><u>Firewheel</u></b>											
36529	Firewheel Golf Park Equipment	MF08	CO/UNF	220	0	75	75	100	100	0	570
36530	Firewheel Golf Park Improvements	MF09	CF/CO/INT/UNF	1,022	104	250	250	150	150	0	1,926
36531	Firewheel Golf Park Cart Replacements	MF10	CO/UNF	0	359	0	375	0	395	0	1,129
<b><u>Public and Media Relations</u></b>											
16084	CGTV - Upgrades	MF11	Other	1,263	1,456	0	0	0	0	0	2,719
<b><u>Street</u></b>											
39811	Infrastructure Equipment	MF12	CO/UNF	848	760	500	500	500	500	0	3,608
39818	Structure for Sanding Material	MF13	CO	0	240	0	0	0	0	0	240
Total				<u>\$6,581</u>	<u>\$7,963</u>	<u>\$2,175</u>	<u>\$2,400</u>	<u>\$1,950</u>	<u>\$2,345</u>	<u>\$0</u>	<u>\$23,414</u>
Total Existing CO's/Current Funds/Interest/Other				\$6,581	\$6,391	\$2	\$0	\$0	\$0	\$0	\$12,974
2016 Certificates of Obligation				0	1,572	0	0	0	0	0	1,572
Unfunded				0	0	2,173	2,400	1,950	2,345	0	8,868
Total				<u>\$6,581</u>	<u>\$7,963</u>	<u>\$2,175</u>	<u>\$2,400</u>	<u>\$1,950</u>	<u>\$2,345</u>	<u>\$0</u>	<u>\$23,414</u>

**MUNICIPAL FACILITIES AND MISCELLANEOUS  
TAX SUPPORTED DETAIL PROJECT SUMMARY  
(Calendar Year 2016)  
(In 000's Dollars)  
DEBT ISSUANCE REQUIREMENTS**

<u>PROJ. NO.</u>	<u>Project Description</u>	<u>Page</u>	<u>Project Status</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021 to Completion</u>	<u>Project Total</u>
<b><u>Facilities Management</u></b>										
16037	HVAC Replacement/Upgrade	MF01	Appr.	\$278	\$400	\$250	\$250	\$250	\$0	\$1,428
16038	Roof Replacement	MF02	Appr.	300	300	300	300	300	0	1,500
16039	Facilities Upgrade	MF03	Appr.	0	300	300	300	300	0	1,200
16057	Fire Alarm, Fire Safety and Security Systems	MF04	Appr.	0	148	150	150	150	0	598
16062	Parking Lot Upgrades	MF05	Appr.	157	200	200	200	200	0	957
<b><u>Firewheel</u></b>										
36529	Firewheel Golf Park Equipment	MF08	Appr.	0	75	75	100	100	0	350
36530	Firewheel Golf Park Improvements	MF09	Appr.	0	250	250	150	150	0	800
36531	Firewheel Golf Park Cart Replacements	MF10	Appr.	337	0	375	0	395	0	1,107
<b><u>Street</u></b>										
39811	Infrastructure Equipment	MF12	Appr.	400	500	500	500	500	0	2,400
39818	Structure for Sanding Material	MF13	Appr.	100	0	0	0	0	0	100
Total				<u>\$1,572</u>	<u>\$2,173</u>	<u>\$2,400</u>	<u>\$1,950</u>	<u>\$2,345</u>	<u>\$0</u>	<u>\$10,440</u>
Total Approved				\$1,572	\$2,173	\$2,400	\$1,950	\$2,345	\$0	\$10,440
Total Unapproved				0	0	0	0	0	0	0
Total				<u>\$1,572</u>	<u>\$2,173</u>	<u>\$2,400</u>	<u>\$1,950</u>	<u>\$2,345</u>	<u>\$0</u>	<u>\$10,440</u>



PAGE NO: <b>MF02</b>		<i>Continuing Project</i>						*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)					
							Certificates of Oblig. Issued	\$	762,757			
							Current Funds		200,000			
							2016 Certificates of Oblig.		300,000			
							TOTAL FUNDED		\$	1,262,757		
							UNFUNDED		\$	1,200,000		
							PROJECT TOTAL		\$	2,462,757		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION										
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____		Positive impact 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 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design												
Land/Right-of-Way												
Construction	348	915	300	300	300	300		2,463				
Landscaping												
Equip. & Furnish.												
Other												
<b>TOTAL COSTS</b>	<b>348</b>	<b>915</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>		<b>2,463</b>				
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Current Funds	200							200				
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation	763	300						1,063				
Other												
<b>Unfunded</b>			300	300	300	300		<b>1,200</b>				
<b>TOTAL SOURCES</b>	<b>963</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>		<b>2,463</b>				
							PROJECT SCHEDULE	START	FINISH			
							Design					
							Land/Right-of-Way					
							Construction					
							Finish Out					
							Other					
							<b>TOTAL SCHEDULE</b>	(Ongoing	Project)			

PAGE NO: <b>MF03</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All			
DEPARTMENT FACILITIES MANAGEMENT		PROJECT TITLE FACILITIES UPGRADE				PROJECT NO(S). 16039		ACCOUNT NO(S). 692-4749-1603900			
PROJECT DESCRIPTION		FUNDING SOURCE(S)									
<p>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.</p>		<p>Certificates of Oblig. Issued      \$ 1,172,091 Current Funds                                      313,886</p>									
<p><b>IMPACT ON OPERATING BUDGET</b></p> <p><input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations    Capital    Total _____</p>		<p><b>IMPACT EXPLANATION</b></p> <p>Positive impact on the Operating Budget will result from reduced unplanned maintenance and repair work.</p>						<p><b>TOTAL FUNDED</b>                                      \$ 1,485,977</p> <p><b>UNFUNDED</b>    \$ 1,200,000</p> <p><b>PROJECT TOTAL</b>                                      \$ 2,685,977</p>			
								<p><b>STRIP MAP</b></p> <p>Various locations.</p>			
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design											
Land/Right-of-Way											
Construction	562	924	300	300	300	300		2,686			
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>	562	924	300	300	300	300		2,686			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds	314							314			
GO's/Com Paper Issued									<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>
GO's Unissued									Design		
RB's/Com Paper									Land/Right-of-Way		
Certificates of Obligation	1,172							1,172	Construction		
Other									Finish Out		
<b>Unfunded</b>			300	300	300	300		1,200	Other		
<b>TOTAL SOURCES</b>	1,486		300	300	300	300		2,686	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)





PAGE NO: <b>MF06</b>		<i>Continuing Project</i>						*Amounts in 000's \$		COUNCIL DISTRICT(S) 2		
DEPARTMENT FACILITIES MANAGEMENT			PROJECT TITLE CARVER 3 RENOVATION					PROJECT NO(S) 16066		ACCOUNT NO(S) 692-4749-1606613		
PROJECT DESCRIPTION												
<p>There are some major structural issues with the foundation of the building that have been identified as part of a Building Assessment Study. In addition, the facility is in need of extensive interior painting and flooring, ADA and life safety upgrades, as well as exterior painting of all three Carver buildings, and landscaping and lighting around the entire complex.</p>												
<b>IMPACT ON OPERATING BUDGET</b> <input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital _____ Total _____			<b>IMPACT EXPLANATION</b>								<b>FUNDING SOURCE(S)</b> Certificates of Oblig. Issued      \$ 1,225,000  TOTAL FUNDED                              \$ 1,225,000 UNFUNDED                                      \$ PROJECT TOTAL                                \$ 1,225,000	
<b>STRIP MAP</b>												
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design	65							65				
Land/Right-of-Way												
Construction	173	968						1,141				
Landscaping												
Equip. & Furnish.												
Other (Project Manager)	4	15						19				
<b>TOTAL COSTS</b>	<b>242</b>	<b>983</b>						<b>1,225</b>				
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation	1,225							1,225	Design	10/2013	2/2016	
Other									Land/Right-of-Way			
<b>Unfunded</b>									Construction	2/2014	9/2016	
									Finish Out			
									Other			
<b>TOTAL SOURCES</b>	<b>1,225</b>							<b>1,225</b>	<b>TOTAL SCHEDULE</b>	<b>10/2013</b>	<b>9/2016</b>	







PAGE NO: <b>MF10</b>		<i>Continuing Project</i>		*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). 256-4419-3653111			
PROJECT DESCRIPTION		FUNDING SOURCE(S)									
Provide funds for the regular replacement of the golf carts for both Firewheel facilities. In 2016, funding is requested for the replacement of one hundred twenty (120) golf carts and one (1) utility cart.		Certificates of Oblig. Issued				\$		22,241			
		2016 Certificates of Oblig.						337,000			
		TOTAL FUNDED				\$		359,241			
		UNFUNDED				\$		770,000			
		PROJECT TOTAL				\$		1,129,241			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						STRIP MAP			
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____		New carts are projected to reduce maintenance costs and enhance the golfing experience.									
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design											
Land/Right-of-Way											
Construction											
Landscaping											
Equip. & Furnish.		359		375		395		1,129			
Other											
<b>TOTAL COSTS</b>		359		375		395		1,129			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation	22	337						359			
Other											
<b>Unfunded</b>				375		395		770			
<b>TOTAL SOURCES</b>	22	337		375		395		1,129	<b>TOTAL SCHEDULE</b>	(Ongoing Project)	
									PROJECT SCHEDULE	START	FINISH
									Design		
									Land/Right-of-Way		
									Construction		
									Finish Out		
									Other		



PAGE NO: <b>MF12</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*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 2016, a large motor grader (\$400,000) is requested for replacement. The existing loader is a 2003 model that does not meet the department's current needs and is also in need of extensive repairs												
<b>FUNDING SOURCE(S)</b> Certificates of Oblig. Issued \$ 1,208,000 2016 Certificates of Oblig. 400,000  <b>TOTAL FUNDED</b> \$ 1,608,000 <b>UNFUNDED</b> \$ 2,000,000 <b>PROJECT TOTAL</b> \$ 3,608,000												
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION									
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____												
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.	848	760	500	500	500	500		3,608				
Other												
<b>TOTAL COSTS</b>	<b>848</b>	<b>760</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>		<b>3,608</b>				
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation	1,208	400						1,608				
Other												
<b>Unfunded</b>			500	500	500	500		<b>2,000</b>				
<b>TOTAL SOURCES</b>	<b>1,208</b>	<b>400</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>		<b>3,608</b>				
								PROJECT SCHEDULE	START	FINISH		
								Design				
								Land/Right-of-Way				
								Construction				
								Finish Out				
								Other				
								<b>TOTAL SCHEDULE</b>	(Ongoing	Project)		

PAGE NO: <b>MF13</b>		<i>Continuing Project</i>		<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>				*Amounts in 000's \$	COUNCIL DISTRICT(S) N/A		
DEPARTMENT <b>STREET</b>			PROJECT TITLE <b>STRUCTURE FOR SANDING MATERIAL</b>					PROJECT NO(S). 39818	ACCOUNT NO(S). 692-4699-3981800		
PROJECT DESCRIPTION							FUNDING SOURCE(S)				
<p>Provide funds for a structure to cover the Street Department's sanding material. Currently, the material that the Street Department spreads on streets during icy/snowy weather sits exposed on the Street Department yard. When freezing precipitation falls, it often causes that material to freeze together in large chunks. That makes it difficult to load the material into the sanding trucks. The frozen material often gets stuck in the sanding inserts, making it very difficult to spread it on the streets. Constructing a high-roofed structure will allow the material to be stored and loaded onto sanding trucks out of the weather, which will significantly improve the efficiency of the sanding operations. The additional \$100,000 requested in 2016 is for concrete slabs, lighting, and other improvements on the Street Department yard to enhance the sanding material cover.</p>							Certificates of Oblig. Issued      \$      140,000 2016 Certificates of Oblig.      100,000				
							TOTAL FUNDED      \$      240,000 UNFUNDED      \$ PROJECT TOTAL      \$      240,000				
IMPACT ON OPERATING BUDGET			IMPACT EXPLANATION								
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions      Operations Capital Total											
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	STRIP MAP	
Design											
Land/Right-of-Way											
Construction			240						240		
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>			240						240		
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		140	100						240		
Other											
<b>Unfunded</b>											
<b>TOTAL SOURCES</b>		140	100						240		
										PROJECT SCHEDULE	
										START	
										FINISH	
										Design	
										Land/Right-of-Way	
										Construction	
										1/2016	
										12/2016	
										Finish Out	
										Other	
										<b>TOTAL SCHEDULE</b>	
										1/2016	
										12/2016	

**MISCELLANEOUS REVENUE SUPPORTED AND  
INTERNAL SERVICE DETAIL PROJECT SUMMARY  
(Calendar Year 2016)  
(In 000's Dollars)  
APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b><u>EWS Group - Delivery</u></b>											
21070	95-Gal. Recycling Containers - Phases 4 thru 6	M01	CO/UNF	\$150	\$982	\$570	\$0	\$0	\$0	\$0	\$1,702
21068	Replacement of Side-Load Residential Trucks	M02	CO/INT/UNF	906	1,500	1,257	660	2,080	1,092	0	7,495
21069	Replacement of Recycling Truck	M03	CO/UNF	302	300	315	660	693	728	0	2,998
21071	Replacement of Rear-Load Residential Trucks	M04	CO/UNF	519	494	518	0	0	0	0	1,531
21072	Replacement of Knuckle Boom Truck	M05	CO/UNF	363	171	360	378	198	208	0	1,678
21074	Replacement of Brush Trailers	M06	CO/UNF	0	290	228	180	126	0	0	824
21073	Replacement of Brush Tractor Trucks	M07	CO/UNF	178	259	181	190	0	0	0	808
21075	* Replcmt. of Commercial Front-Load Trucks	M08	CO/UNF	0	600	0	330	0	364	0	1,294
<b><u>Fleet Services</u></b>											
19030	Fuel System Upgrade	M09	CO	80	272	0	0	0	0	0	352
19033	Fleet Services Facility Renovation	M10	CO	34	1,626	0	0	0	0	0	1,660
<b><u>Management Information Services</u></b>											
23045	Extend Fiber Optic Cable	M11	CO	440	250	0	0	0	0	0	690
23019	Network and Cabling Upgrades	M12	CF/CO/INT	690	260	0	0	0	0	0	950
<b><u>Stormwater Management</u></b>											
39818	Stormwater Maintenance Equipment	M13	CO/UNF	244	508	500	500	500	500	0	2,752
Total				<u>\$3,906</u>	<u>\$7,512</u>	<u>\$3,929</u>	<u>\$2,898</u>	<u>\$3,597</u>	<u>\$2,892</u>	<u>\$0</u>	<u>\$24,734</u>
Total Existing CO's, Interest, and Other Sources				\$3,906	\$1,515	\$0	\$0	\$0	\$0	\$0	\$5,421
2016 Certificate of Obligation				0	5,997	0	0	0	0	0	5,997
Unfunded				0	0	3,929	2,898	3,597	2,892	0	13,316
Total				<u>\$3,906</u>	<u>\$7,512</u>	<u>\$3,929</u>	<u>\$2,898</u>	<u>\$3,597</u>	<u>\$2,892</u>	<u>\$0</u>	<u>\$24,734</u>

\*Project funded for the first time

**MISCELLANEOUS REVENUE SUPPORTED AND  
INTERNAL SERVICE DETAIL PROJECT SUMMARY  
(Calendar Year 2016)  
(In 000's Dollars)  
UNAPPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
	<b><u>Management Information Services</u></b>									
23048	Telephone System Replacement	M14	\$0	\$0	\$413	\$413	\$413	\$413	\$0	\$1,652
	Total		<u>\$0</u>	<u>\$0</u>	<u>\$413</u>	<u>\$413</u>	<u>\$413</u>	<u>\$413</u>	<u>\$0</u>	<u>\$1,652</u>

**MISCELLANEOUS REVENUE SUPPORTED AND  
INTERNAL SERVICE DETAIL PROJECT SUMMARY  
(Calendar Year 2016)  
(In 000's Dollars)  
DEBT ISSUANCE REQUIREMENTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Project Status</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b><u>EWS Group - Delivery</u></b>										
21070	95-Gal. Recycling Containers - Phases 4 thru 6	M01	Appr.	\$570	\$570	\$0	\$0	\$0	\$0	\$1,140
21068	Replacement of Side-Load Residential Trucks	M02	Appr.	1,362	1,257	660	2,080	1,092	0	6,451
21069	Replacement of Recycling Truck	M03	Appr.	300	315	660	693	728	0	2,696
21071	Replacement of Rear-Load Residential Trucks	M04	Appr.	494	518	0	0	0	0	1,012
21072	Replacement of Knuckle Boom Truck	M05	Appr.	171	360	378	198	208	0	1,315
21074	Replacement of Brush Trailers	M06	Appr.	163	228	180	126	0	0	697
21073	Replacement of Brush Tractor Trucks	M07	Appr.	259	181	190	0	0	0	630
21075	* Replcmt. of Commercial Front-Load Trucks	M08	Appr.	600	0	330	0	364	0	1,294
<b><u>Fleet Services</u></b>										
19033	Fleet Services Facility Renovation	M10	Appr.	1,510	0	0	0	0	0	1,510
<b><u>Management Information Services</u></b>										
23045	Extended Fiber Optic Cable	M11	Appr.	221	0	0	0	0	0	221
23019	Network and Cabling Upgrades	M12	Appr.	95	0	0	0	0	0	95
23048	Telephone System Replacement	M14	Unappr.	0	413	413	413	413	0	1,652
<b><u>Stormwater Management</u></b>										
39818	Stormwater Maintenance Equipment	M13	Appr.	252	500	500	500	500	0	2,252
Total				<u>\$5,997</u>	<u>\$4,342</u>	<u>\$3,311</u>	<u>\$4,010</u>	<u>\$3,305</u>	<u>\$0</u>	<u>\$20,965</u>
Total Approved				\$5,997	\$3,929	\$2,898	\$3,597	\$2,892	\$0	\$19,313
Total Unapproved				0	413	413	413	413	0	1,652
Total				<u>\$5,997</u>	<u>\$4,342</u>	<u>\$3,311</u>	<u>\$4,010</u>	<u>\$3,305</u>	<u>\$0</u>	<u>\$20,965</u>

\*Projects funded for the first time

PAGE NO: <b>M01</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All			
DEPARTMENT EWS GROUP - DELIVERY				PROJECT TITLE 95-GAL. RECYC. CONTAINERS - PHASES 4 THRU 6				PROJECT NO(S) 21070		ACCOUNT NO(S) 246-4319-2107XXX	
PROJECT DESCRIPTION				IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION			
<p>In 2012, the EWS - Delivery Department implemented a Single Stream Recycling Program. This program allows residents to recycle a wider range of commodities. Also, a six-phase implementation of automated collection for recyclables began in 2011. Under this program, residents are given a 95-gallon recycling container to replace the 18-gallon recycling bin previously used. The fourth phase of the program started in the fall of 2015 and will add approximately 10,449 homes to the 31,226 already participating.</p> <p>Funding is requested for the purchase of an additional 10,500 recycling containers for the implementation of Phase 5 of the Single Stream Recycling Program to start in the fall of 2016.</p>				<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____				<p style="text-align: center;"><b>STRIP MAP</b></p>			
				<table border="0" style="width: 100%;"> <tr> <td style="text-align: right;">TOTAL FUNDED</td> <td style="text-align: right;">\$ 1,132,170</td> </tr> <tr> <td style="text-align: right;">UNFUNDED</td> <td style="text-align: right;">\$ 570,000</td> </tr> <tr> <td style="text-align: right;">PROJECT TOTAL</td> <td style="text-align: right;">\$ 1,702,170</td> </tr> </table>							
TOTAL FUNDED	\$ 1,132,170										
UNFUNDED	\$ 570,000										
PROJECT TOTAL	\$ 1,702,170										
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design											
Land/Right-of-Way											
Construction											
Landscaping											
Equip. & Furnish.	150	982	570					1,702			
Other											
<b>TOTAL COSTS</b>	150	982	570					1,702			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH
Current Funds									Design		
GO's/Com Paper Issued									Land/Right-of-Way		
GO's Unissued									Construction		
RB's/Com Paper									Finish Out		
Certificates of Obligation	562	570						1,132	Other		
Other											
<b>Unfunded</b>			570					570			
<b>TOTAL SOURCES</b>	562	570	570					1,702	<b>TOTAL SCHEDULE</b>	<b>(Ongoing)</b>	<b>Project</b>

PAGE NO: <b>M02</b>		<i>Continuing Project</i>		*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). 246-4319-2106XXX		
PROJECT DESCRIPTION													
<p>Funding is requested for the replacement of five (5) 2008 model Side-Load Refuse Trucks. These pieces of equipment are past their useful lives and require significant maintenance costs in order to stay operational.</p> <p>Environmental Waste Services equipment is evaluated by the Fleet Services Department and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.</p>													
<b>IMPACT ON OPERATING BUDGET</b> <input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____				<b>IMPACT EXPLANATION</b> New trucks will lower maintenance costs.								<b>FUNDING SOURCE(S)</b> Certificates of Oblig. Issued      \$    964,162 2016 Certificates of Oblig.      1,362,000 Interest                                      80,000  TOTAL FUNDED                              \$    2,406,162 UNFUNDED                                      \$    5,089,000 PROJECT TOTAL                                \$    7,495,162	
<b>STRIP MAP</b>													
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total					
Design													
Land/Right-of-Way													
Construction													
Landscaping													
Equip. & Furnish.	906	1,500	1,257	660	2,080	1,092		7,495					
Other													
<b>TOTAL COSTS</b>	906	1,500	1,257	660	2,080	1,092		7,495					
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH		
Current Funds									Design				
GO's/Com Paper Issued									Land/Right-of-Way				
GO's Unissued									Construction				
RB's/Com Paper									Finish Out				
Certificates of Obligation	964	1,362						2,326	Other				
Other (Interest)		80						80					
<b>Unfunded</b>			1,257	660	2,080	1,092		5,089					
<b>TOTAL SOURCES</b>	964	1,442	1,257	660	2,080	1,092		7,495	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)		



PAGE NO: <b>M04</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All				
DEPARTMENT EWS GROUP - DELIVERY				PROJECT TITLE REPLACEMENT OF REAR-LOAD RESID. TRUCKS				PROJECT NO(S) 21071		ACCOUNT NO(S) 246-4319-2107XXX		
PROJECT DESCRIPTION				IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION				
<p>Funding is requested for the replacement of two (2) 2002 model Rear-Load Residential Trucks. These pieces of equipment are past their useful lives and require significant maintenance costs in order to stay operational.</p> <p>Environmental Waste Services equipment is evaluated by the Fleet Services Department and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.</p>				<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____      Operations Capital Total _____				New trucks will lower maintenance costs.				
				<b>FUNDING SOURCE(S)</b> Certificates of Oblig. Issued      \$      519,000 2016 Certificates of Oblig.      494,000  TOTAL FUNDED      \$      1,013,000 UNFUNDED      \$      518,000 PROJECT TOTAL      \$      1,531,000								
								<b>STRIP MAP</b>				
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.		519	494	518					1,531			
Other												
<b>TOTAL COSTS</b>		519	494	518					1,531			
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		519	494						1,013			
Other												
<b>Unfunded</b>				518					518			
<b>TOTAL SOURCES</b>		519	494	518					1,531			
										<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>
										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
										<b>TOTAL SCHEDULE</b>	(Ongoing	Project)







<b>PAGE NO:</b> <b>M08</b>		<b>New Project</b>						*Amounts in 000's \$		<b>COUNCIL DISTRICT(S)</b> N/A		
<b>DEPARTMENT</b> EWS GROUP - DELIVERY				<b>PROJECT TITLE</b> REPLCMT. OF COMMERCIAL FRONT-LOAD TRUCKS				<b>PROJECT NO(S).</b> 21075		<b>ACCOUNT NO(S).</b> 243-4319-2107XXX		
<b>PROJECT DESCRIPTION</b>												
<p>Funding is requested for the replacement of two (2) 2008 model Commercial Services Front-Load Refuse Trucks. These pieces of equipment are past their useful lives and require significant maintenance costs in order to stay operational.</p> <p>Environmental Waste Services equipment is evaluated by the Fleet Services Department and a five-year equipment replacement schedule is updated each year for financial planning. This evaluation takes into consideration the age, mileage, maintenance costs, and operating effectiveness of each piece of equipment.</p>												
<b>IMPACT ON OPERATING BUDGET</b>				<b>IMPACT EXPLANATION</b>								
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____				New equipment will lower maintenance costs.								
<b>STRIP MAP</b>												
<b>*PROJECT COSTS</b>												
	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design												
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.		600		330		364		1,294				
Other												
<b>TOTAL COSTS</b>		600		330		364		1,294				
<b>*SOURCE OF FUNDS</b>												
	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper												
Certificates of Obligation		600						600				
Other												
<b>Unfunded</b>				330		364		694				
<b>TOTAL SOURCES</b>		600		330		364		1,294				
								<b>PROJECT SCHEDULE</b>		<b>START</b>	<b>FINISH</b>	
								Design				
								Land/Right-of-Way				
								Construction				
								Finish Out				
								Other				
<b>TOTAL SCHEDULE</b>								(Ongoing		Project)		

PAGE NO: <b>M09</b>		<i>Continuing Project</i>		<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>				*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 all of the fuel inventory tanks for the City, the installation of automated fuel dispensing on the Greenhouse fuel tanks, and the addition of a 10,000-gallon fuel tank to the Landfill fuel island and an electronic tank monitor and fuel dispensers, including construction work to properly install this equipment.							FUNDING SOURCE(S) Certificates of Oblig. Issued      \$      352,378			
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel      \$29,000 # of Positions _____ Operations      7,000 Capital Total <u>\$36,000</u>			IMPACT EXPLANATION Maintenance costs for maintaining 24 tank monitors will be required in the Operating Budget on an annual basis.					TOTAL FUNDED      \$      352,378 UNFUNDED      \$ PROJECT TOTAL      \$      352,378		
<b>STRIP MAP</b>										
<b>*PROJECT COSTS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Design										
Land/Right-of-Way										
Construction										
Landscaping										
Equip. & Furnish.	80	272						352		
Other										
<b>TOTAL COSTS</b>	80	272						352		
<b>*SOURCE OF FUNDS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation	352							352		
Other										
<b>Unfunded</b>										
<b>TOTAL SOURCES</b>	352							352		
							<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>	
							Design			
							Land/Right-of-Way			
							Construction			
							Finish Out			
							Other			
<b>TOTAL SCHEDULE</b>							1/2010	12/2016		

PAGE NO: <b>M10</b>		<i>Continuing Project</i>		<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>				*Amounts in 000's \$	COUNCIL DISTRICT(S) 2		
DEPARTMENT FLEET SERVICES			PROJECT TITLE FLEET SERVICES FACILITY RENOVATION					PROJECT NO(S) 19033	ACCOUNT NO(S) 446-4749-19033XX		
PROJECT DESCRIPTION In 2015, Fleet Services secured CIP funding in the amount of \$150,000 to improve the restrooms and the combined meeting, customer waiting, and break areas. Existing funding has provided for a comprehensive needs assessment, architectural evaluation and design, and an asbestos survey. The evaluations indicate the need for additional funding in the amount of \$1,510,000 to accomplish the goals of improved restroom access and conditions, development of a customer waiting area, increased occupancy of the meeting/break area, and increased parts storage. The proposed design allows accomplishment of the goals within the same building footprint and without loss of equipment service bays.							FUNDING SOURCE(S) Certificates of Oblig. Issued \$ 150,000 2016 Certificates of Oblig. 1,510,000  TOTAL FUNDED \$ 1,660,000 UNFUNDED \$ PROJECT TOTAL \$ 1,660,000				
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations 2,000 # of Positions _____ Capital _____ Total \$2,000			IMPACT EXPLANATION There will be a marginal increase in Fleet Services' utility costs due to the additional waiting area. Additionally, the break room being requested includes air-conditioning.							STRIP MAP	
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Design		34	120						154		
Land/Right-of-Way											
Construction			1,211						1,211		
Landscaping											
Equip. & Furnish.			125						125		
Other			170						170		
<b>TOTAL COSTS</b>		34	1,626						1,660		
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation		150	1,510						1,660		
Other											
<b>Unfunded</b>											
<b>TOTAL SOURCES</b>		150	1,510						1,660		
							<b>PROJECT SCHEDULE</b>		<b>START</b>	<b>FINISH</b>	
							Design		4/2012	3/2016	
							Land/Right-of-Way				
							Construction		4/2016	12/2016	
							Finish Out				
							Other				
							<b>TOTAL SCHEDULE</b>		4/2012	12/2016	









**LANDFILL/TRANSFER STATION DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
17154	Replacement of Landfill Equipment	EW01	CF/CO/Other/UNF	\$739	\$2,517	\$1,014	\$2,391	\$1,894	\$1,156	\$0	\$9,711
17155	Replacement of Transfer Station Equipment	EW02	CO/UNF	637	0	432	0	356	0	0	1,425
17157 *	Construction of Waste Cell #7	EW03	CF	0	1,250	2,300	0	0	0	0	3,550
17158 *	Automated Truck Wheel Wash System	EW04	CO	0	165	0	0	0	0	0	165
Total				<u>\$1,376</u>	<u>\$3,932</u>	<u>\$3,746</u>	<u>\$2,391</u>	<u>\$2,250</u>	<u>\$1,156</u>	<u>\$0</u>	<u>\$14,851</u>
Total Existing CO's, Interest, and Other Sources				\$1,376	\$2,505	\$2,300	\$0	\$0	\$0	\$0	\$6,181
2016 Certificates of Obligation				0	1,427	0	0	0	0	0	1,427
Unfunded				0	0	1,446	2,391	2,250	1,156	0	7,243
Total				<u>\$1,376</u>	<u>\$3,932</u>	<u>\$3,746</u>	<u>\$2,391</u>	<u>\$2,250</u>	<u>\$1,156</u>	<u>\$0</u>	<u>\$14,851</u>

\* Project funded for the first time

**LANDFILL/TRANSFER STATION DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**DEBT ISSUANCE REQUIREMENTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Project Status</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
17154	Replacement of Landfill Equipment	EW01	Appr.	\$1,262	\$1,014	\$2,391	\$1,894	\$1,156	\$0	\$7,717
17155	Replacement of Transfer Station Equipment	EW02	Appr.	0	432	0	356	0	0	788
17158	* Automated Truck Wheel Wash System	EW04	Appr.	165	0	0	0	0	0	165
	Total			<u>\$1,427</u>	<u>\$1,446</u>	<u>\$2,391</u>	<u>\$2,250</u>	<u>\$1,156</u>	<u>\$0</u>	<u>\$8,670</u>
	Total Approved			\$1,427	\$1,446	\$2,391	\$2,250	\$1,156	\$0	\$8,670
	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>\$1,427</u>	<u>\$1,446</u>	<u>\$2,391</u>	<u>\$2,250</u>	<u>\$1,156</u>	<u>\$0</u>	<u>\$8,670</u>

\*Project funded for the first time

PAGE NO: <b>EW01</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*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						
<b>PROJECT DESCRIPTION</b> This project provides funding for the replacement of critical landfill equipment used to compact, handle, and apply cover to refuse at the Hinton Landfill as required by the Landfill Permit. In 2016, two (2) 2012 Articulating Dump Trucks (\$414,000 each, net of trade in value), a 2007 CAT 836 Compactor (\$1,055,000), a 2001 4,000-Gallon Water Truck (\$139,000), and a 1995 Tractor/Mower (\$68,000) are being requested for replacement to prevent significant maintenance cost and operating issues.  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.								<b>FUNDING SOURCE(S)</b>								
								Current Funds				\$ 1,565,000		2016 Certificates of Oblig.		1,262,000
						Reimbursement		429,000								
								<b>TOTAL FUNDED</b>		<b>\$ 3,256,000</b>						
								<b>UNFUNDED</b>		<b>\$ 6,455,000</b>						
								<b>PROJECT TOTAL</b>		<b>\$ 9,711,000</b>						
<b>IMPACT ON OPERATING BUDGET</b>				<b>IMPACT EXPLANATION</b>												
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____				New equipment will lower maintenance costs.												
<b>*PROJECT COSTS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total								
Design																
Land/Right-of-Way																
Construction																
Landscaping																
Equip. & Furnish.	739	2,517	1,014	2,391	1,894	1,156		9,711								
Other																
<b>TOTAL COSTS</b>	739	2,517	1,014	2,391	1,894	1,156		9,711								
<b>*SOURCE OF FUNDS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total								
Current Funds	739	826						1,565								
GO's/Com Paper Issued																
GO's Unissued																
RB's/Com Paper																
Certificates of Obligation		1,262						1,262								
Other		429						429								
<b>Unfunded</b>			1,014	2,391	1,894	1,156		6,455								
<b>TOTAL SOURCES</b>	739	2,517	1,014	2,391	1,894	1,156		9,711								
								<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>						
								Design								
								Land/Right-of-Way								
								Construction								
								Finish Out								
								Other								
								<b>TOTAL SCHEDULE</b>	(Ongoing	Project)						







**WATER DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
30190	Transmission Mains (16-Inch and Above)	W01	RB/UNF	\$2,091	\$2,760	\$1,500	\$1,500	\$1,500	\$1,500	\$0	\$10,851
30191	Distribution Lines (Up to 14-Inch)	W02	RB/UNF	2,921	3,600	1,500	1,500	1,500	1,500	0	12,521
30192	Relocation of Mains Prior to Paving	W03	RB/UNF	1,143	6,660	1,500	1,500	1,500	1,500	0	13,803
30195	Relocation of Mains Prior to Storm Sewer Install.	W04	RB/CO/UNF	307	125	125	125	125	125	0	932
30197	Water Pump Station Rehab	W05	RB/UNF	2,435	1,400	600	400	200	200	0	5,235
30205	Fire Hydrant Installation	W06	RB/CO/INT/UNF	356	650	300	300	300	300	0	2,206
30206	New Water Service Installation	W07	RB/UNF	286	400	300	300	300	300	0	1,886
30207	Upgrade Undersized Water Mains	W08	RB/INT/UNF	792	900	500	500	500	500	0	3,692
30208	Water Distribution Line Replacement	W09	RB/INT/UNF	303	950	750	750	750	750	0	4,253
30213	Radio Read Water Meter Retrofit	W10	RB/UNF	266	800	500	500	500	500	0	3,066
30216	Country Club Road Water Transmission Mains	W11	RB/UNF	55	2,345	2,500	0	0	0	0	4,900
30222	West Pressure Plane Improvements	W12	RB/UNF	8,040	4,400	1,100	0	0	0	0	13,540
30231	Pleasant Valley Water Main	W13	RB	264	436	0	0	0	0	0	700
30234 *	Water Utility Equipment	W14	CF	0	400	0	0	0	0	0	400
Total				<u>\$19,259</u>	<u>\$25,826</u>	<u>\$11,175</u>	<u>\$7,375</u>	<u>\$7,175</u>	<u>\$7,175</u>	<u>\$0</u>	<u>\$77,985</u>
Total Existing CO's/RB's/Interest				\$19,259	\$14,616	\$24	\$0	\$0	\$0	\$0	\$33,899
Total 2016 Revenue Bonds/Commerical Paper				0	11,210	0	0	0	0	0	11,210
Unfunded				0	0	11,151	7,375	7,175	7,175	0	32,876
Total				<u>\$19,259</u>	<u>\$25,826</u>	<u>\$11,175</u>	<u>\$7,375</u>	<u>\$7,175</u>	<u>\$7,175</u>	<u>\$0</u>	<u>\$77,985</u>

\*Project funded for the first time

**WATER DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**UNAPPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
30232	East Zone Water Tower	W15	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000	\$7,000
	Total		\$0	\$0	\$0	\$0	\$0	\$0	\$7,000	\$7,000

**WATER DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**DEBT ISSUANCE REQUIREMENTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Project Status</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
30190	Transmission Mains (16-Inch and Above)	W01	Appr.	\$2,460	\$1,500	\$1,500	\$1,500	\$1,500	\$0	\$8,460
30191	Distribution Lines (Up to 14-Inch)	W02	Appr.	3,000	1,500	1,500	1,500	1,500	0	9,000
30192	Relocation of Mains Prior to Paving	W03	Appr.	1,760	1,500	1,500	1,500	1,500	0	7,760
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	600	400	200	200	0	1,400
30205	Fire Hydrant Installation	W06	Appr.	440	300	300	300	300	0	1,640
30206	New Water Service Installation	W07	Appr.	300	300	300	300	300	0	1,500
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.	0	500	500	500	500	0	2,000
30216	Country Club Road Water Transmission Mains	W11	Appr.	2,000	2,500	0	0	0	0	4,500
30222	West Pressure Plane Improvements	W12	Appr.	0	1,076	0	0	0	0	1,076
30232	East Zone Water Tower	W15	Unappr.	0	0	0	0	0	7,000	7,000
	Total			<u>\$11,210</u>	<u>\$11,151</u>	<u>\$7,375</u>	<u>\$7,175</u>	<u>\$7,175</u>	<u>\$7,000</u>	<u>\$51,086</u>
	Total Approved			\$11,210	\$11,151	\$7,375	\$7,175	\$7,175	\$0	\$44,086
	Total Unapproved			0	0	0	0	0	7,000	7,000
	Total			<u>\$11,210</u>	<u>\$11,151</u>	<u>\$7,375</u>	<u>\$7,175</u>	<u>\$7,175</u>	<u>\$7,000</u>	<u>\$51,086</u>

PAGE NO: <b>W01</b>		<i>Continuing Project</i>						*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 Installation of new transmission mains and installation and upgrade of existing water transmission mains. Includes cost of labor, outside contractors, and engineered designs.											FUNDING SOURCE(S) Revenue Bonds Issued \$ 1,391,316 Commercial Paper 3,460,000  TOTAL FUNDED \$ 4,851,316 UNFUNDED \$ 6,000,000 PROJECT TOTAL \$ 10,851,316		
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION							STRIP MAP		
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____				Favorable impact due to decreased maintenance on new lines.							Various locations.		
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total					
Design		560						560					
Land/Right-of-Way													
Construction	2,091	2,200	1,500	1,500	1,500	1,500		10,291					
Landscaping													
Equip. & Furnish.													
Other													
<b>TOTAL COSTS</b>	2,091	2,760	1,500	1,500	1,500	1,500		10,851					
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total					
Current Funds													
GO's/Com Paper Issued									PROJECT SCHEDULE	START	FINISH		
GO's Unissued									Design				
RB's/Com Paper	2,391	2,460						4,851	Land/Right-of-Way				
Certificates of Obligation									Construction				
Other									Finish Out				
<b>Unfunded</b>			1,500	1,500	1,500	1,500		6,000	Other				
<b>TOTAL SOURCES</b>	2,391	2,460	1,500	1,500	1,500	1,500		10,851	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)		

PAGE NO: <b>W02</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*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). 227-4049-3019100 220-4049-3019100			
PROJECT DESCRIPTION Replacement of water distribution mains which have deteriorated to a substandard condition. Includes the cost of labor, materials, outside contractors, and engineered drawings.										FUNDING SOURCE(S) Revenue Bonds Issued \$ 1,021,162 Commercial Paper 5,500,000  TOTAL FUNDED \$ 6,521,162 UNFUNDED \$ 6,000,000 PROJECT TOTAL \$ 12,521,162		
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION						STRIP MAP		
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____				Favorable impact due to decreased maintenance on new lines.						Various locations.		
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design		500						500				
Land/Right-of-Way												
Construction	2,921	3,100	1,500	1,500	1,500	1,500		12,021				
Landscaping												
Equip. & Furnish.												
Other												
<b>TOTAL COSTS</b>	2,921	3,600	1,500	1,500	1,500	1,500		12,521				
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH	
Current Funds									Design			
GO's/Com Paper Issued									Land/Right-of-Way			
GO's Unissued									Construction			
RB's/Com Paper	3,521	3,000						6,521	Finish Out			
Certificates of Obligation									Other			
Other			1,500	1,500	1,500	1,500		6,000				
<b>Unfunded</b>			1,500	1,500	1,500	1,500		6,000				
<b>TOTAL SOURCES</b>	3,521	3,000	1,500	1,500	1,500	1,500		12,521	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)	

PAGE NO: <b>W03</b>		<i>Continuing Project</i>		*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																																																																																			
Relocation of water mains prior to paving. Replacements are necessary to maintain adequate water service, avoid utility conflicts, and upgrade the water distribution system. Includes the cost of labor, materials, outside contractors, and engineered drawings.																																																																																			
<table border="0" style="width:100%"> <tr> <td colspan="6"><b>IMPACT ON OPERATING BUDGET</b></td> <td colspan="6"><b>IMPACT EXPLANATION</b></td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings):  <input type="checkbox"/> Will Not Impact      Personnel  # of Positions _____ Operations  Capital _____  Total _____ </td> <td colspan="6">New lines will have a favorable impact by reducing maintenance on replaced water mains.</td> </tr> </table>												<b>IMPACT ON OPERATING BUDGET</b>						<b>IMPACT EXPLANATION</b>						<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____						New lines will have a favorable impact by reducing maintenance on replaced water mains.																																																					
<b>IMPACT ON OPERATING BUDGET</b>						<b>IMPACT EXPLANATION</b>																																																																													
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____						New lines will have a favorable impact by reducing maintenance on replaced water mains.																																																																													
<table border="0"> <tr> <td colspan="10"><b>FUNDING SOURCE(S)</b></td> <td colspan="2"></td> </tr> <tr> <td colspan="10">Revenue Bonds Issued</td> <td colspan="2">\$ 1,342,572</td> </tr> <tr> <td colspan="10">Commercial Paper</td> <td colspan="2">6,460,000</td> </tr> <tr> <td colspan="10"><b>TOTAL FUNDED</b></td> <td colspan="2"><b>\$ 7,802,572</b></td> </tr> <tr> <td colspan="10"><b>UNFUNDED</b></td> <td colspan="2"><b>\$ 6,000,000</b></td> </tr> <tr> <td colspan="10"><b>PROJECT TOTAL</b></td> <td colspan="2"><b>\$ 13,802,572</b></td> </tr> </table>												<b>FUNDING SOURCE(S)</b>												Revenue Bonds Issued										\$ 1,342,572		Commercial Paper										6,460,000		<b>TOTAL FUNDED</b>										<b>\$ 7,802,572</b>		<b>UNFUNDED</b>										<b>\$ 6,000,000</b>		<b>PROJECT TOTAL</b>										<b>\$ 13,802,572</b>	
<b>FUNDING SOURCE(S)</b>																																																																																			
Revenue Bonds Issued										\$ 1,342,572																																																																									
Commercial Paper										6,460,000																																																																									
<b>TOTAL FUNDED</b>										<b>\$ 7,802,572</b>																																																																									
<b>UNFUNDED</b>										<b>\$ 6,000,000</b>																																																																									
<b>PROJECT TOTAL</b>										<b>\$ 13,802,572</b>																																																																									
<b>STRIP MAP</b>																																																																																			
Various locations.																																																																																			
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total																																																																										
Design			500						500																																																																										
Land/Right-of-Way																																																																																			
Construction		1,143	6,160	1,500	1,500	1,500	1,500		13,303																																																																										
Landscaping																																																																																			
Equip. & Furnish.																																																																																			
Other																																																																																			
<b>TOTAL COSTS</b>		1,143	6,660	1,500	1,500	1,500	1,500		13,803																																																																										
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total																																																																										
Current Funds																																																																																			
GO's/Com Paper Issued																																																																																			
GO's Unissued																																																																																			
RB's/Com Paper		6,043	1,760						7,803																																																																										
Certificates of Obligation																																																																																			
Other																																																																																			
<b>Unfunded</b>				1,500	1,500	1,500	1,500		6,000																																																																										
<b>TOTAL SOURCES</b>		6,043	1,760	1,500	1,500	1,500	1,500		13,803																																																																										
									PROJECT SCHEDULE	START	FINISH																																																																								
									Design																																																																										
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									Construction																																																																										
									Finish Out																																																																										
									Other																																																																										
<b>TOTAL SCHEDULE</b>									<b>(Ongoing Project)</b>																																																																										

PAGE NO: <b>W04</b>		<i>Continuing Project</i>		*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). 227-4049-3019500 226-4049-3019500		
PROJECT DESCRIPTION		PROJECT DESCRIPTION				FUNDING SOURCE(S)				
Relocation of water mains and services in conflict with installation of storm sewer pipe to control flooding.		Relocation of water mains and services in conflict with installation of storm sewer pipe to control flooding.				Revenue Bonds Issued                   \$    307,435 Certificates of Oblig. Issued           125,000  TOTAL FUNDED                               \$    432,435 UNFUNDED                                     \$    500,000 PROJECT TOTAL                               \$    932,435				
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				STRIP MAP Various locations.				
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions        Operations Capital Total		Positive impact due to the new or replacement lines requiring less maintenance.								
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Design										
Land/Right-of-Way										
Construction	307	125	125	125	125	125		932		
Landscaping										
Equip. & Furnish.										
Other										
<b>TOTAL COSTS</b>	<b>307</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>		<b>932</b>		
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds										
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper	307							307		
Certificates of Obligation	125							125		
Other										
<b>Unfunded</b>			125	125	125	125		500		
<b>TOTAL SOURCES</b>	<b>432</b>		<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>		<b>932</b>		
								PROJECT SCHEDULE	START	FINISH
								Design		
								Land/Right-of-Way		
								Construction		
								Finish Out		
								Other		
								<b>TOTAL SCHEDULE</b>	(Ongoing	Project)

PAGE NO: <b>W05</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All				
DEPARTMENT WATER		PROJECT TITLE WATER PUMP STATION REHAB						PROJECT NO(S). 30197		ACCOUNT NO(S). 227-4049-30197XX 220-4049-30197XX		
PROJECT DESCRIPTION This request provides funds for the annual current Capital Improvement Program. The objective of the program is to enhance reliability and extend the useful life of water pumping station infrastructure through time-phased replacement of equipment to maintain useful service levels and continually meet water quality requirements through booster chlorination.							FUNDING SOURCE(S) Revenue Bonds Issued \$ 1,687,241 Commercial Paper 2,148,000  TOTAL FUNDED \$ 3,835,241 UNFUNDED \$ 1,400,000 PROJECT TOTAL \$ 5,235,241					
IMPACT ON OPERATING BUDGET <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			IMPACT EXPLANATION Favorable impact due to less power consumption resulting from more efficient pumps and motors, and decreased water main flushing.									
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design		120	200	100	100				520			
Land/Right-of-Way												
Construction		2,315	1,200	500	300	200	200		4,715			
Landscaping												
Equip. & Furnish.												
Other												
<b>TOTAL COSTS</b>		2,435	1,400	600	400	200	200		5,235			
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		3,835							3,835			
Certificates of Obligation												
Other												
<b>Unfunded</b>				600	400	200	200		1,400			
<b>TOTAL SOURCES</b>		3,835		600	400	200	200		5,235			
							<b>STRIP MAP</b>		Various locations.			
							<b>PROJECT SCHEDULE</b>		<b>START</b>		<b>FINISH</b>	
							Design					
							Land/Right-of-Way					
							Construction					
							Finish Out					
							Other					
							<b>TOTAL SCHEDULE</b>		(Ongoing		Project)	

PAGE NO: <b>W06</b>		<i>Continuing Project</i>		<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>					*Amounts in 000's \$	COUNCIL DISTRICT(S) All			
DEPARTMENT WATER		PROJECT TITLE FIRE HYDRANT INSTALLATION							PROJECT NO(S) 30205		ACCOUNT NO(S) 227-4049-3020500 226-4049-3020500		
PROJECT DESCRIPTION Installation of new fire hydrants on existing water lines. Fire hydrants will be installed at various locations to improve fire protection.													
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION									
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____				Slight increase in maintenance costs due to additional fire hydrants in system.									
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	<b>STRIP MAP</b> Various locations.			
Design													
Land/Right-of-Way													
Construction		356	650	300	300	300	300		2,206				
Landscaping													
Equip. & Furnish.													
Other													
TOTAL COSTS		356	650	300	300	300	300		2,206				
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Current Funds													
GO's/Com Paper Issued										PROJECT SCHEDULE			
GO's Unissued										START			
RB's/Com Paper		356	440						796	FINISH			
Certificates of Obligation		90							90	Design			
Other (Interest)		60	60						120	Land/Right-of-Way			
Unfunded				300	300	300	300		1,200	Construction			
TOTAL SOURCES		506	500	300	300	300	300		2,206	Finish Out			
										Other			
										TOTAL SCHEDULE			
										(Ongoing Project)			

PAGE NO: <b>W07</b>		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All			
DEPARTMENT WATER				PROJECT TITLE NEW WATER SERVICE INSTALLATION					PROJECT NO(S). 30206		ACCOUNT NO(S). 227-4049-3020600 220-4049-3020600	
PROJECT DESCRIPTION Project consists of purchasing water meters, meter boxes, and related service line parts necessary for potable water supply service.												
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION								
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____				Slight increase in maintenance costs due to increase in number of water meters in system.								
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design												
Land/Right-of-Way												
Construction		286	400	300	300	300	300		1,886			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		286	400	300	300	300	300		1,886			
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		386	300						686			
Certificates of Obligation												
Other												
Unfunded				300	300	300	300		1,200			
TOTAL SOURCES		386	300	300	300	300	300		1,886			
									PROJECT SCHEDULE		START	FINISH
									Design			
									Land/Right-of-Way			
									Construction			
									Finish Out			
									Other			
									TOTAL SCHEDULE		(Ongoing	Project)

**FUNDING SOURCE(S)**

Revenue Bonds Issued	\$	86,152
Commercial Paper		600,000
<b>TOTAL FUNDED</b>		<b>\$ 686,152</b>
<b>UNFUNDED</b>		<b>\$ 1,200,000</b>
<b>PROJECT TOTAL</b>		<b>\$ 1,886,152</b>

**STRIP MAP**

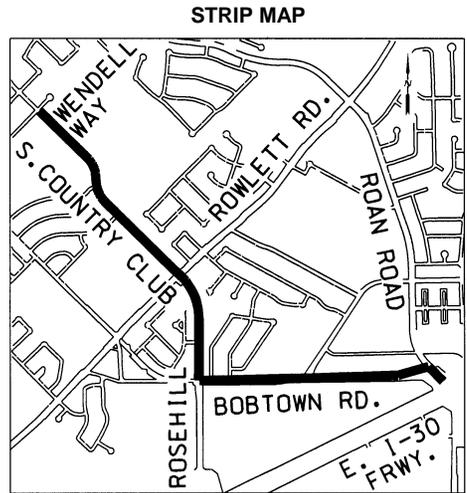
Various locations.



PAGE NO: <b>W09</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All			
CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST				PROJECT NO(S). 30208		ACCOUNT NO(S). 227-4049-3020800					
DEPARTMENT WATER		PROJECT TITLE WATER DISTRIBUTION LINE REPLACEMENT						PROJECT NO(S). 30208		ACCOUNT NO(S). 227-4049-3020800	
PROJECT DESCRIPTION Installation of short sections of new water mains, 6-inch diameter or larger, for repair purposes.								FUNDING SOURCE(S)			
								Revenue Bonds Issued		\$ 3,231	
								Interest		500,000	
								Commercial Paper		750,000	
								TOTAL FUNDED		\$ 1,253,231	
								UNFUNDED		\$ 3,000,000	
								PROJECT TOTAL		\$ 4,253,231	
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION							
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____				Replacing water lines will have a positive impact on the Operating Budget by reducing maintenance costs and water loss.							
<b>STRIP MAP</b>											
Various locations.											
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design											
Land/Right-of-Way											
Construction	303	950	750	750	750	750		4,253			
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>	<b>303</b>	<b>950</b>	<b>750</b>	<b>750</b>	<b>750</b>	<b>750</b>		<b>4,253</b>			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper	3	750						753			
Certificates of Obligation											
Other (Interest)	500							500			
<b>Unfunded</b>			750	750	750	750		3,000			
<b>TOTAL SOURCES</b>	<b>503</b>	<b>750</b>	<b>750</b>	<b>750</b>	<b>750</b>	<b>750</b>		<b>4,253</b>			
								PROJECT SCHEDULE	START	FINISH	
								Design			
								Land/Right-of-Way			
								Construction			
								Finish Out			
								Other			
								<b>TOTAL SCHEDULE</b>	(Ongoing	Project)	

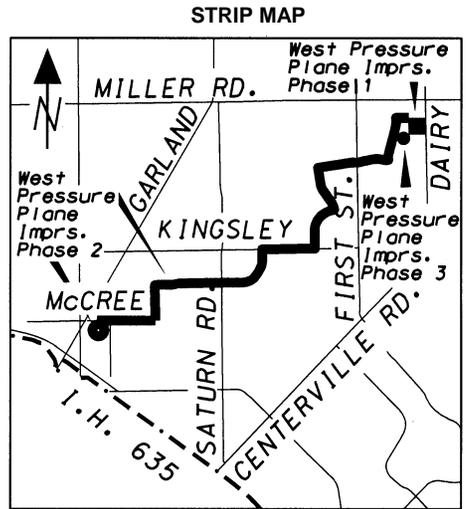


PAGE NO: <b>W11</b>		<i>Continuing Project</i>		<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>				*Amounts in 000's \$	COUNCIL DISTRICT(S) 3
DEPARTMENT WATER		PROJECT TITLE COUNTRY CLUB ROAD WATER TRANS. MAINS						PROJECT NO(S) 30216	ACCOUNT NO(S) 227-4049-3021600 220-4049-3021600
PROJECT DESCRIPTION		This project is for the replacement of the existing 12-inch water line along Country Club Road from Wendell Way to Rowlett Road. The new main will be a 24-inch line as recommended by the hydraulic water model to increase water flows to the I.H. 30 corridor. Previously, a 24-inch main was installed along new Country Club Road from Wynn Joyce to Wendell Way. Funds are also included in 2016 and 2017 to extend from Bobtown Road to I.H. 30 and replacement of water main along Waterhouse Boulevard.						FUNDING SOURCE(S)	
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions      Operations Capital Total		IMPACT EXPLANATION						Revenue Bonds Issued      \$ 100,000 Commercial Paper      2,300,000  <b>TOTAL FUNDED</b> <b>\$ 2,400,000</b> <b>UNFUNDED</b> <b>\$ 2,500,000</b> <b>PROJECT TOTAL</b> <b>\$ 4,900,000</b>	
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design		55	345						400
Land/Right-of-Way									
Construction			2,000	2,500					4,500
Landscaping									
Equip. & Furnish.									
Other									
TOTAL COSTS		55	2,345	2,500					4,900
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Current Funds									
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper		400	2,000						2,400
Certificates of Obligation									
Other									
Unfunded				2,500					2,500
TOTAL SOURCES		400	2,000	2,500					4,900



PROJECT SCHEDULE	START	FINISH
Design	1/2014	6/2016
Land/Right-of-Way		
Construction	7/2016	12/2017
Finish Out		
Other		
TOTAL SCHEDULE	1/2014	12/2017

PAGE NO: <b>W12</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All			
DEPARTMENT WATER		PROJECT TITLE WEST PRESSURE PLANE IMPROVEMENTS				PROJECT NO(S) 30222		ACCOUNT NO(S) 227-4049-3022200 220-4049-3022200			
PROJECT DESCRIPTION		IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION					
This project incorporates a phased approach to add capacity to the West Pressure Plane of the Water Distribution System. Phase 1 includes the expansion and rehabilitation of the Wallace Pump Station and the construction of a new 24-inch transmission line. In Phase 2, a McCree Road 2.5-million-gallon elevated storage tank will be constructed in the southwest portion of Garland.		<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): _____ <input type="checkbox"/> Will Not Impact      Personnel _____ # of Positions _____      Operations _____ Capital _____ Total _____		Minimal impact due to offsetting pumping costs by reducing pumping from Apollo and Northside Pump Stations.				Revenue Bonds Issued      \$ 8,363,650 Commercial Paper      4,100,000		TOTAL FUNDED      \$ 12,463,650 UNFUNDED      \$ 1,076,000 PROJECT TOTAL      \$ 13,539,650	
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Design		1,207	400	100					1,707		
Land/Right-of-Way											
Construction		6,833	4,000	1,000					11,833		
Landscaping											
Equip. & Furnish.											
Other											
TOTAL COSTS		8,040	4,400	1,100					13,540		
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper		12,464							12,464		
Certificates of Obligation											
Other											
Unfunded				1,076					1,076		
TOTAL SOURCES		12,464		1,076					13,540		
PROJECT SCHEDULE		START	FINISH								
Design		7/2010	12/2017								
Land/Right-of-Way		1/2012	12/2016								
Construction		6/2012	12/2017								
Finish Out											
Other											
TOTAL SCHEDULE		7/2010	12/2017								







PAGE NO: <b>W15</b>		<i>Unfunded Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 1			
DEPARTMENT WATER			PROJECT TITLE EAST ZONE WATER TOWER					PROJECT NO(S). 30232	ACCOUNT NO(S). 227-4049-3023200		
PROJECT DESCRIPTION											
The purpose of this request is the design and construction of a new elevated water storage tank and associated piping in the East Pressure Plane. The objective is to continue to provide peak-hour pressures to the southern portion of the city. The tower will also enhance off-peak service and fire protection.											
<b>IMPACT ON OPERATING BUDGET</b> <input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____			<b>IMPACT EXPLANATION</b> Minor impact on the Operating Budget due to additional facility maintenance costs.							<b>FUNDING SOURCE(S)</b>   TOTAL FUNDED      \$ UNFUNDED      \$ 7,000,000 PROJECT TOTAL      \$ 7,000,000	
<b>STRIP MAP</b>											
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design											
Land/Right-of-Way											
Construction							7,000		7,000		
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>							7,000		7,000		
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper											
Certificates of Obligation											
Other											
<b>Unfunded</b>							7,000		7,000		
<b>TOTAL SOURCES</b>							7,000		7,000		
							PROJECT SCHEDULE	START	FINISH		
							Design				
							Land/Right-of-Way				
							Construction				
							Finish Out				
							Other				
							<b>TOTAL SCHEDULE</b>	(Ongoing	Project)		

**WASTEWATER DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b><u>Wastewater Collection</u></b>											
32123	Participation in New Sewer Development	WW01	RB/UNF	\$9	\$128	\$0	\$50	\$0	\$50	\$0	\$237
32124	Infiltration Correction - Various	WW02	CF/INT/UNF	323	1,756	750	700	700	700	0	4,929
32147	Sewer Collection Mains - Manholes	WW03	RB/INT/UNF	333	400	400	400	400	400	0	2,333
32148	Sanitary Sewer Taps - New or Relocations	WW04	RB/INT/UNF	120	108	80	80	80	80	0	548
32149	Collection Mains	WW05	RB/INT/UNF	4,009	1,137	1,080	1,080	1,080	1,080	0	9,466
32151	Sewer Lift Station Rehab	WW06	RB/INT/UNF	250	500	100	100	100	100	0	1,150
32154	Cured-in-Place Pipe Main & Lateral Rehab	WW07	CF/RB/UNF	976	1,193	550	500	500	500	0	4,219
32157	Relocation of Mains Prior to Paving	WW08	RB/INT/UNF	750	1,940	800	910	950	950	0	6,300
32161	Rowl-I - Campbell to Shiloh	WW09	RB/INT/UNF	43	1,928	450	2,000	2,500	0	0	6,921
32174	Lift Station Abandonment	WW10	RB/INT	2,312	220	0	0	0	0	0	2,532
32180	Long Branch - II WW Main Realignment	WW11	RB	1	591	0	0	0	0	0	592
32181	Duck Creek Greenbelt Trail Extension	WW12	CF/RB	56	1,434	0	0	0	0	0	1,490
32183	Duck Creek Interceptor Rehab	WW13	RB/INT/UNF	325	32	20	20	220	220	1,240	2,077
32184	Rowlett Interceptor Rehab	WW14	RB/INT/UNF	831	816	825	950	1,100	1,100	1,150	6,772
32187	S.H. 190 Catalyst Area	WW15	RB/UNF	0	150	850	0	0	0	0	1,000
<b><u>Wastewater Treatment</u></b>											
33028	Rowlett Creek WWTP Processes Improvements	WW16	RB/UNF	1,687	1,576	1,700	1,700	1,700	1,700	50,000	60,063
33029	Rowlett Creek WWTP Replacements/Mods.	WW17	CF/RB/UNF	1,319	1,125	2,091	1,500	1,500	700	700	8,935
34027	Duck Creek WWTP Replacements/Mods.	WW18	CF/RB/INT/UNF	127	2,100	1,200	1,200	1,200	1,200	1,200	8,227
34035	Rowlett Creek WWTP Biosolids Expansion	WW19	CF/RB/CO/UNF	950	26,350	300	300	300	300	8,000	36,500
34038	Duck Creek WWTP Processes Improvements	WW20	CF/RB/CO/UNF	230	3,139	1,600	1,400	1,400	1,400	50,000	59,169
34039	Duck Creek Laboratory Building Demolition	WW21	CF	0	214	0	0	0	0	0	214
Total				<u>\$14,651</u>	<u>\$46,837</u>	<u>\$12,796</u>	<u>\$12,890</u>	<u>\$13,730</u>	<u>\$10,480</u>	<u>\$112,290</u>	<u>\$223,674</u>
Total Existing CO's/RB's/Current Funds/Interest				\$14,651	\$32,502	\$811	\$20	\$20	\$20	\$0	\$48,024
Total 2016 Revenue Bonds/Commerical Paper Unfunded				0	14,335	0	0	0	0	0	14,335
Total				<u>0</u>	<u>0</u>	<u>11,985</u>	<u>12,870</u>	<u>13,710</u>	<u>10,460</u>	<u>112,290</u>	<u>161,315</u>
Total				<u>\$14,651</u>	<u>\$46,837</u>	<u>\$12,796</u>	<u>\$12,890</u>	<u>\$13,730</u>	<u>\$10,480</u>	<u>\$112,290</u>	<u>\$223,674</u>

**WASTEWATER DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**UNAPPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b><u>Wastewater Collection</u></b>										
32186	Walnut-I	WW22	\$0	\$0	\$250	\$200	\$200	\$150	\$3,500	\$4,300
<b><u>Wastewater Treatment</u></b>										
33030	Rowlett Creek Maintenance Building	WW23	0	0	0	0	800	3,500	0	4,300
33031	Rowlett Creek Operations Center Renovation	WW24	0	0	3,300	4,400	0	0	0	7,700
Total			<u>\$0</u>	<u>\$0</u>	<u>\$3,550</u>	<u>\$4,600</u>	<u>\$1,000</u>	<u>\$3,650</u>	<u>\$3,500</u>	<u>\$16,300</u>

**WASTEWATER DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**DEBT ISSUANCE REQUIREMENTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Project Status</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
<b><u>Wastewater Collection</u></b>										
32123	Participation In New Sewer Development	WW01	Appr.	\$0	\$0	\$50	\$0	\$50	\$0	\$100
32124	Infiltration Correction - Various	WW02	Appr.	0	750	700	700	700	0	2,850
32147	Sewer Collection Mains - Manholes	WW03	Appr.	0	400	400	400	400	0	1,600
32148	Sanitary Sewer Taps - New or Relocations	WW04	Appr.	0	80	80	80	80	0	320
32149	Collection Mains	WW05	Appr.	0	1,080	1,080	1,080	1,080	0	4,320
32151	Sewer Lift Station Rehab	WW06	Appr.	0	100	100	100	100	0	400
32154	Cured-in-Place Pipe Main & Lateral Rehab	WW07	Appr.	700	550	500	500	500	0	2,750
32157	Relocation of Mains Prior to Paving	WW08	Appr.	1,080	800	910	950	950	0	4,690
32161	Rowl-I - Campbell to Shiloh	WW09	Appr.	350	450	2,000	2,500	0	0	5,300
32183	Duck Creek Interceptor Rehab	WW13	Appr.	0	0	0	200	200	1,240	1,640
32184	Rowlett Interceptor Rehab	WW14	Appr.	810	825	950	1,100	1,100	1,150	5,935
32187	S.H. 190 Catalyst Area	WW15	Appr.	0	850	0	0	0	0	850
32186	Walnut-I	WW22	Unappr.	0	250	200	200	150	3,500	4,300
<b><u>Wastewater Treatment</u></b>										
33028	Rowlett Creek WWTP Processes Improvements	WW16	Appr.	1,250	1,700	1,700	1,700	1,700	50,000	58,050
33029	Rowlett Creek WWTP Replacements/Mods.	WW17	Appr.	0	1,300	1,500	1,500	700	700	5,700
34027	Duck Creek WWTP Replacements/Mods.	WW18	Appr.	1,200	1,200	1,200	1,200	1,200	1,200	7,200
34035	Rowlett Creek WWTP Biosolids Expansion	WW19	Appr.	7,345	300	300	300	300	8,000	16,545
34038	Duck Creek WWTP Processes Improvements	WW20	Appr.	1,600	1,600	1,400	1,400	1,400	50,000	57,400
33030	Rowlett Creek Maintenance Building	WW23	Unappr.	0	0	0	800	3,500	0	4,300
33031	Rowlett Creek Operations Center Renovation	WW24	Unappr.	0	3,300	4,400	0	0	0	7,700
Total				<u>\$14,335</u>	<u>\$15,535</u>	<u>\$17,470</u>	<u>\$14,710</u>	<u>\$14,110</u>	<u>\$115,790</u>	<u>\$191,950</u>
Total Approved				\$14,335	\$11,985	\$12,870	\$13,710	\$10,460	\$112,290	\$175,650
Total Unapproved				0	3,550	4,600	1,000	3,650	3,500	16,300
Total				<u>\$14,335</u>	<u>\$15,535</u>	<u>\$17,470</u>	<u>\$14,710</u>	<u>\$14,110</u>	<u>\$115,790</u>	<u>\$191,950</u>

PAGE NO: <b>WW01</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*Amounts in 000's \$	COUNCIL DISTRICT(S) All					
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE PARTICIPATION IN NEW SEWER DEVELOPMENT						PROJECT NO(S). 32123		ACCOUNT NO(S). 237-4149-3212300				
PROJECT DESCRIPTION														
<p>This project provides City participation with developers in construction of oversized sewer mains. Developers must install 8-inch diameter lines and smaller. The incremental cost to install lines that are required by the City to be larger than 8-inch diameter will be funded by the City.</p>														
<b>IMPACT ON OPERATING BUDGET</b> <input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____						<b>IMPACT EXPLANATION</b> This project will have a positive impact on the Operating Budget due to reduced maintenance on new lines.						<b>FUNDING SOURCE(S)</b> Revenue Bonds Issued                      \$      137,304  TOTAL FUNDED                                      \$      137,304 UNFUNDED    \$      100,000 PROJECT TOTAL                                      \$      237,304		
<b>STRIP MAP</b>														
Various locations.														
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total						
Design														
Land/Right-of-Way														
Construction	9	128		50		50					237			
Landscaping														
Equip. & Furnish.														
Other														
<b>TOTAL COSTS</b>	9	128		50		50					237			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total						
Current Funds														
GO's/Com Paper Issued														
GO's Unissued														
RB's/Com Paper	137										137			
Certificates of Obligation														
Other														
<b>Unfunded</b>				50		50					100			
<b>TOTAL SOURCES</b>	137			50		50					237			
								PROJECT SCHEDULE	START		FINISH			
								Design						
								Land/Right-of-Way						
								Construction						
								Finish Out						
								Other						
								TOTAL SCHEDULE	(Ongoing		Project)			



PAGE NO: <b>WW03</b>		<i>Continuing Project</i>		*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		IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION				FUNDING SOURCE(S)		
<p>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.</p>		<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____		<p>There is a minor positive impact on the Operating Budget. Replacement of, repair of, or additional manholes provide reduced infiltration/inflow to the collection system when cleaning maintenance is required.</p>				Revenue Bonds Issued      \$      333,308 Interest      400,000  TOTAL FUNDED      \$      733,308 UNFUNDED      \$      1,600,000 PROJECT TOTAL      \$      2,333,308				
										STRIP MAP		
										Various locations.		
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Design												
Land/Right-of-Way												
Construction	333	400	400	400	400	400		2,333				
Landscaping												
Equip. & Furnish.												
Other												
<b>TOTAL COSTS</b>	<b>333</b>	<b>400</b>	<b>400</b>	<b>400</b>	<b>400</b>	<b>400</b>		<b>2,333</b>				
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Current Funds												
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper	333							333				
Certificates of Obligation												
Other (Interest)		400						400				
<b>Unfunded</b>			400	400	400	400		1,600				
<b>TOTAL SOURCES</b>	<b>333</b>	<b>400</b>	<b>400</b>	<b>400</b>	<b>400</b>	<b>400</b>		<b>2,333</b>				
									PROJECT SCHEDULE	START	FINISH	
									Design			
									Land/Right-of-Way			
									Construction			
									Finish Out			
									Other			
									<b>TOTAL SCHEDULE</b>	(Ongoing	Project)	

PAGE NO: <b>WW04</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*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). 237-4149-3214800		
PROJECT DESCRIPTION											
This project provides for the installation of new sewer taps for residential, commercial, or industrial users where no tap currently exists. It also provides for the relocation of existing taps where customers are unable to use the existing taps.											
<b>IMPACT ON OPERATING BUDGET</b> <input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____											
<b>IMPACT EXPLANATION</b> This project will have a positive impact on the Operating Budget by increasing the number of customers and revenue and reducing costs.											
<b>FUNDING SOURCE(S)</b> Revenue Bonds Issued      \$      67,876 Interest      160,000  TOTAL FUNDED      \$      227,876 UNFUNDED      \$      320,000 PROJECT TOTAL      \$      547,876											
<b>STRIP MAP</b> Various locations.											
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design											
Land/Right-of-Way											
Construction	120	108	80	80	80	80		548			
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>	120	108	80	80	80	80		548			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper	68							68			
Certificates of Obligation											
Other (Interest)	80	80						160			
<b>Unfunded</b>			80	80	80	80		320			
<b>TOTAL SOURCES</b>	148	80	80	80	80	80		548			
								PROJECT SCHEDULE	START	FINISH	
								Design			
								Land/Right-of-Way			
								Construction			
								Finish Out			
								Other			
<b>TOTAL SCHEDULE</b>								(Ongoing	Project)		





PAGE NO: <b>WW07</b>		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All			
DEPARTMENT WASTEWATER COLLECTION				PROJECT TITLE CURED-IN-PLACE PIPE MAIN & LATERAL REHAB					PROJECT NO(S). 32154		ACCOUNT NO(S). 230-4149-3215400 237-4149-3215400	
PROJECT DESCRIPTION												
<p>This project allows for the rehabilitation of both City mainline and lateral lines for pipe sizes from 6-inch up to 30-inch diameter. The process differs from other methods of repair since it is "no dig" construction. Relining sewer pipes improves flow characteristics which reduces stoppages and manhole overflows. Reduction of sanitary sewer overflows (SSOs) is required by State and Federal regulations.</p>												
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION								
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____				This project will have a positive impact on both Wastewater Treatment Plants and sanitary sewer collection mains. By reducing infiltration/inflow volume, there is rainwater to be treated. There is reduced maintenance since existing sewer pipe becomes new pipe.								
*PROJECT COSTS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design												
Land/Right-of-Way												
Construction		976	1,193	550	500	500	500		4,219			
Landscaping												
Equip. & Furnish.												
Other												
TOTAL COSTS		976	1,193	550	500	500	500		4,219			
*SOURCE OF FUNDS		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds		69							69			
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper		1,400	700						2,100			
Certificates of Obligation												
Other												
Unfunded				550	500	500	500		2,050			
TOTAL SOURCES		1,469	700	550	500	500	500		4,219			
STRIP MAP										PROJECT SCHEDULE	START	FINISH
Various locations.										Design		
										Land/Right-of-Way		
										Construction		
										Finish Out		
										Other		
TOTAL SCHEDULE										(Ongoing		Project)

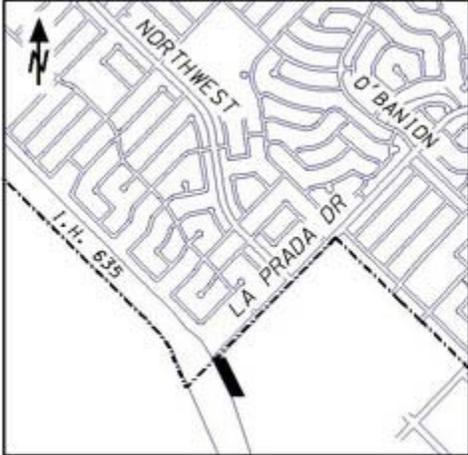
PAGE NO: <b>WW08</b>	<i>Continuing Project</i>	<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>						*Amounts in 000's \$	COUNCIL DISTRICT(S) All				
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE RELOCATION OF MAINS PRIOR TO PAVING						PROJECT NO(S). 32157	ACCOUNT NO(S). 237-4149-3215700 230-4149-3215700				
PROJECT DESCRIPTION													
<p>This project is for the replacement or relocation of substandard sanitary sewer collection mains prior to paving streets or alleys. Replacement is necessary to maintain reliable service, avoid utility conflicts, and allow systematic upgrading to the existing sanitary sewer collection system. This project includes funding for wastewater mains and improvements in Shiloh Road from I.H. 635 to Kingsley and South Country Club Road from Marilee to Iroquois.</p>											<b>FUNDING SOURCE(S)</b> Commercial Paper                      \$ 2,258,000 Interest                                      432,233  <b>TOTAL FUNDED</b> <b>\$ 2,690,233</b> <b>UNFUNDED</b> <b>\$ 3,610,000</b> <b>PROJECT TOTAL</b> <b>\$ 6,300,233</b>		
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION									
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact   Personnel Operations # of Positions _____ Capital _____ Total _____				This project will have a positive impact on the Operating Budget due to reduced maintenance on the new lines.									
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total					
Design													
Land/Right-of-Way													
Construction	750	1,940	800	910	950	950		6,300					
Landscaping													
Equip. & Furnish.													
Other													
<b>TOTAL COSTS</b>	750	1,940	800	910	950	950		6,300					
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total					
Current Funds													
GO's/Com Paper Issued													
GO's Unissued													
RB's/Com Paper	1,178	1,080						2,258					
Certificates of Obligation													
Other (Interest)	432							432					
<b>Unfunded</b>			800	910	950	950		3,610					
<b>TOTAL SOURCES</b>	1,610	1,080	800	910	950	950		6,300					
								<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>			
								Design					
								Land/Right-of-Way					
								Construction					
								Finish Out					
								Other					
								<b>TOTAL SCHEDULE</b>	(Ongoing	Project)			

**STRIP MAP**

Various locations.

PAGE NO: <b>WW09</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 1			
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE ROWL-I - CAMPBELL TO SHILOH				PROJECT NO(S) 32161		ACCOUNT NO(S) 237-4149-3216100 236-4149-3216100			
PROJECT DESCRIPTION		PROJECT NO(S)				ACCOUNT NO(S)					
<p>This project identifies pipe restrictions and increases the capacity from residential neighborhoods to expand the size of interceptor pipelines. This project was identified in the 2008 "Wastewater Management Plan." A section of the project in the Camelot Addition will relocate a sewer line currently bordering ponds and under earthen berms. The existing old pipe will be plugged and abandoned in place. The new location substantially improves the reliability, flow characteristics, and future maintenance access.</p>		<p><b>FUNDING SOURCE(S)</b></p> <p>Revenue Bonds Issued           \$   700,754 Interest   920,000 Commercial Paper                           350,000</p>		<p><b>TOTAL FUNDED</b>                                 \$ 1,970,754</p> <p><b>UNFUNDED</b>   \$ 4,950,000</p> <p><b>PROJECT TOTAL</b>                                 \$ 6,920,754</p>		<p><b>STRIP MAP</b></p>					
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION									
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact   Personnel # of Positions      Operations Capital Total		<p>This project will have a positive impact on the Operating Budget due to the increased capacity of existing sanitary sewer lines and new sanitary sewer lines. Increased capacity of the interceptor will reduce the possibility of Sanitary Sewer Manhole Overflows.</p>									
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design	43	57	450					550			
Land/Right-of-Way											
Construction		1,871		2,000	2,500			6,371			
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>	43	1,928	450	2,000	2,500			6,921			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH
Current Funds									Design	3/2014	12/2017
GO's/Com Paper Issued									Land/Right-of-Way		
GO's Unissued									Construction	3/2016	11/2019
RB's/Com Paper	701	350						1,051	Finish Out		
Certificates of Obligation									Other		
Other (Interest)	270	650						920	<b>TOTAL SCHEDULE</b>	3/2014	11/2019
<b>Unfunded</b>			450	2,000	2,500			4,950			
<b>TOTAL SOURCES</b>	971	1,000	450	2,000	2,500			6,921			

PAGE NO: <b>WW10</b>		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All																																																																																																																																																																																																																																						
DEPARTMENT WASTEWATER COLLECTION				PROJECT TITLE LIFT STATION ABANDONMENT					PROJECT NO(S). 32174		ACCOUNT NO(S). 237-4149-32174XX																																																																																																																																																																																																																																				
PROJECT DESCRIPTION																																																																																																																																																																																																																																															
This project provides for the design and construction costs to abandon Wynn Joyce Lift Station and construct a 10-inch gravity sewer line.																																																																																																																																																																																																																																															
<table border="0" style="width:100%"> <tr> <td colspan="6"><b>IMPACT ON OPERATING BUDGET</b></td> <td colspan="6"><b>IMPACT EXPLANATION</b></td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings):  <input type="checkbox"/> Will Not Impact    Personnel  # of Positions _____ Operations  Capital  Total _____ </td> <td colspan="6"> This project will have a positive impact on the Operating Budget by eliminating operations and maintenance costs associated with lift station operations. </td> </tr> </table>												<b>IMPACT ON OPERATING BUDGET</b>						<b>IMPACT EXPLANATION</b>						<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____						This project will have a positive impact on the Operating Budget by eliminating operations and maintenance costs associated with lift station operations.																																																																																																																																																																																																																	
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<table border="1" style="width:100%"> <thead> <tr> <th>*PROJECT COSTS</th> <th>Thru 12-2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021 to Completion</th> <th>Total</th> <th colspan="3"></th> </tr> </thead> <tbody> <tr> <td>Design</td> <td>50</td> <td>20</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>70</td> <td colspan="3"></td> </tr> <tr> <td>Land/Right-of-Way</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>Construction</td> <td>2,262</td> <td>200</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,462</td> <td colspan="3"></td> </tr> <tr> <td>Landscaping</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>Equip. &amp; Furnish.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td><b>TOTAL COSTS</b></td> <td><b>2,312</b></td> <td><b>220</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><b>2,532</b></td> <td colspan="3"></td> </tr> <tr> <th>*SOURCE OF FUNDS</th> <th>Thru 12-2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021 to Completion</th> <th>Total</th> <th colspan="3"></th> </tr> <tr> <td>Current Funds</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>GO's/Com Paper Issued</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>GO's Unissued</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>RB's/Com Paper</td> <td>1,522</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1,522</td> <td>PROJECT SCHEDULE</td> <td>START</td> <td>FINISH</td> </tr> <tr> <td>Certificates of Obligation</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Design</td> <td>4/2007</td> <td>1/2016</td> </tr> <tr> <td>Other (Interest)</td> <td>1,010</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1,010</td> <td>Land/Right-of-Way</td> <td></td> <td></td> </tr> <tr> <td><b>Unfunded</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Construction</td> <td>1/2010</td> <td>12/2016</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Finish Out</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Other</td> <td></td> <td></td> </tr> <tr> <td><b>TOTAL SOURCES</b></td> <td><b>2,532</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><b>2,532</b></td> <td><b>TOTAL SCHEDULE</b></td> <td><b>4/2007</b></td> <td><b>12/2016</b></td> </tr> </tbody> </table>												*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				Design	50	20						70				Land/Right-of-Way												Construction	2,262	200						2,462				Landscaping												Equip. & Furnish.												Other												<b>TOTAL COSTS</b>	<b>2,312</b>	<b>220</b>						<b>2,532</b>				*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				Current Funds												GO's/Com Paper Issued												GO's Unissued												RB's/Com Paper	1,522							1,522	PROJECT SCHEDULE	START	FINISH	Certificates of Obligation									Design	4/2007	1/2016	Other (Interest)	1,010							1,010	Land/Right-of-Way			<b>Unfunded</b>									Construction	1/2010	12/2016										Finish Out												Other			<b>TOTAL SOURCES</b>	<b>2,532</b>							<b>2,532</b>	<b>TOTAL SCHEDULE</b>	<b>4/2007</b>	<b>12/2016</b>
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total																																																																																																																																																																																																																																							
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RB's/Com Paper	1,522							1,522	PROJECT SCHEDULE	START	FINISH																																																																																																																																																																																																																																				
Certificates of Obligation									Design	4/2007	1/2016																																																																																																																																																																																																																																				
Other (Interest)	1,010							1,010	Land/Right-of-Way																																																																																																																																																																																																																																						
<b>Unfunded</b>									Construction	1/2010	12/2016																																																																																																																																																																																																																																				
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									Other																																																																																																																																																																																																																																						
<b>TOTAL SOURCES</b>	<b>2,532</b>							<b>2,532</b>	<b>TOTAL SCHEDULE</b>	<b>4/2007</b>	<b>12/2016</b>																																																																																																																																																																																																																																				

PAGE NO: <b>WW11</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 5			
CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST				PROJECT NO(S). 32180		ACCOUNT NO(S). 237-4149-3218000					
DEPARTMENT WASTEWATER COLLECTION		PROJECT TITLE LONG BRANCH - II WW MAIN REALIGNMENT						FUNDING SOURCE(S)			
PROJECT DESCRIPTION		This project is for the design and construction of a new sewer line that will begin at La Prada Drive and connect to the existing Long Branch Interceptor on the east side of I.H. 635. This alignment will eliminate a parallel crossing under Interstate 635. This project was identified in the "Wastewater Management Plan Update."						Revenue Bonds Issued \$ 592,067			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION						TOTAL FUNDED \$ 592,067			
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____		This project will have a positive impact on the Operating Budget due to the increased capacity of the existing sanitary sewer lines and the new sanitary sewer lines.						UNFUNDED \$			
								PROJECT TOTAL \$ 592,067			
								STRIP MAP			
											
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design											
Land/Right-of-Way											
Construction	1	591						592			
Landscaping											
Equip. & Furnish.											
Other											
<b>TOTAL COSTS</b>	1	591						592			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	PROJECT SCHEDULE	START	FINISH
Current Funds									Design		
GO's/Com Paper Issued									Land/Right-of-Way		
GO's Unissued									Construction	1/2010	12/2016
RB's/Com Paper	592							592	Finish Out		
Certificates of Obligation									Other		
Other											
<b>Unfunded</b>											
<b>TOTAL SOURCES</b>	592							592	<b>TOTAL SCHEDULE</b>	1/2010	12/2016

PAGE NO: <b>WW12</b>		<i>Continuing Project</i>		*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 will cause some disruption to portions of the City of Garland park land. Restoration to park land includes the construction of a hike and bike trail east of the I.H. 30 corridor and Belt Line Road area. The trail extension provides access for Garland residents to parks, natural areas, and an elementary school along the Duck Creek line.						FUNDING SOURCE(S) Current Funds \$ 1,454,000 Revenue Bonds Issued 36,026  TOTAL FUNDED \$ 1,490,026 UNFUNDED \$ PROJECT TOTAL \$ 1,490,026			
IMPACT ON OPERATING BUDGET <input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel # of Positions _____ Operations Capital _____ Total _____			IMPACT EXPLANATION						
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design		56	44						100
Land/Right-of-Way									
Construction			1,310						1,310
Landscaping			80						80
Equip. & Furnish.									
Other									
<b>TOTAL COSTS</b>		56	1,434						1,490
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Current Funds		1,454							1,454
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper		36							36
Certificates of Obligation									
Other									
<b>Unfunded</b>									
<b>TOTAL SOURCES</b>		1,490							1,490
		<b>PROJECT SCHEDULE</b>		<b>START</b>		<b>FINISH</b>			
		Design		4/2008		2/2016			
		Land/Right-of-Way							
		Construction		1/2016		5/2016			
		Finish Out							
		Other							
		<b>TOTAL SCHEDULE</b>		4/2008		5/2016			

PAGE NO: <b>WW13</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) 4																																																																																																																																																																		
DEPARTMENT WASTEWATER COLLECTION				PROJECT TITLE DUCK CREEK INTERCEPTOR REHAB				PROJECT NO(S) 32183		ACCOUNT NO(S) 237-4149-3218300																																																																																																																																																																
PROJECT DESCRIPTION								FUNDING SOURCE(S)																																																																																																																																																																		
<p>A comprehensive engineering plan of CCTV, sonar, and laser technology has identified defects in manholes and pipe. This project will coordinate the rehabilitation 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.</p>								Revenue Bonds Issued		\$ 337,445																																																																																																																																																																
								Interest		100,000																																																																																																																																																																
<p><b>IMPACT ON OPERATING BUDGET</b></p> <p><input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings):  <input type="checkbox"/> Will Not Impact      Personnel  # of Positions _____ Operations  Capital  Total _____</p> <p><b>IMPACT EXPLANATION</b></p> <p>A failure of the pipe would have significant environmental impact. This project will have a positive impact by reducing the inflow/infiltration of rainwater into the Duck Creek WWTP.</p>								TOTAL FUNDED		\$ 437,445																																																																																																																																																																
								UNFUNDED		\$ 1,640,000																																																																																																																																																																
								PROJECT TOTAL		\$ 2,077,445																																																																																																																																																																
<p><b>STRIP MAP</b></p> <p>Various locations.</p>								<table border="1"> <thead> <tr> <th>*PROJECT COSTS</th> <th>Thru 12-2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021 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>20</td> <td>20</td> <td>20</td> <td>220</td> <td>220</td> <td>1,240</td> <td>1,740</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. &amp; Furnish.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td>325</td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>337</td> </tr> <tr> <td><b>TOTAL COSTS</b></td> <td><b>325</b></td> <td><b>32</b></td> <td><b>20</b></td> <td><b>20</b></td> <td><b>220</b></td> <td><b>220</b></td> <td><b>1,240</b></td> <td><b>2,077</b></td> </tr> <tr> <th>*SOURCE OF FUNDS</th> <th>Thru 12-2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>2021 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>337</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>337</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 (Interest)</td> <td>20</td> <td></td> <td>20</td> <td>20</td> <td>20</td> <td>20</td> <td></td> <td>100</td> </tr> <tr> <td><b>Unfunded</b></td> <td></td> <td></td> <td></td> <td></td> <td>200</td> <td>200</td> <td>1,240</td> <td>1,640</td> </tr> <tr> <td><b>TOTAL SOURCES</b></td> <td><b>357</b></td> <td></td> <td><b>20</b></td> <td><b>20</b></td> <td><b>220</b></td> <td><b>220</b></td> <td><b>1,240</b></td> <td><b>2,077</b></td> </tr> </tbody> </table>				*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	Design									Land/Right-of-Way									Construction		20	20	20	220	220	1,240	1,740	Landscaping									Equip. & Furnish.									Other	325	12						337	<b>TOTAL COSTS</b>	<b>325</b>	<b>32</b>	<b>20</b>	<b>20</b>	<b>220</b>	<b>220</b>	<b>1,240</b>	<b>2,077</b>	*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	Current Funds									GO's/Com Paper Issued									GO's Unissued									RB's/Com Paper	337							337	Certificates of Obligation									Other (Interest)	20		20	20	20	20		100	<b>Unfunded</b>					200	200	1,240	1,640	<b>TOTAL SOURCES</b>	<b>357</b>		<b>20</b>	<b>20</b>	<b>220</b>	<b>220</b>	<b>1,240</b>	<b>2,077</b>	PROJECT SCHEDULE		START		FINISH	
								*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total																																																																																																																																																										
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Other (Interest)	20		20	20	20	20		100																																																																																																																																																																		
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<b>TOTAL SOURCES</b>	<b>357</b>		<b>20</b>	<b>20</b>	<b>220</b>	<b>220</b>	<b>1,240</b>	<b>2,077</b>																																																																																																																																																																		
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								Other		5/2012		1/2016																																																																																																																																																														
<b>TOTAL SCHEDULE</b>								<b>5/2012</b>		<b>12/2022</b>																																																																																																																																																																











PAGE NO: <b>WW19</b>		<i>Continuing Project</i>		<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>					*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 237-4229-3403500				
PROJECT DESCRIPTION														
<p>This request provides funds for the design, installation, and construction of biosolids handling and treatment equipment. Current plans are to decommission the digesters and perform needed rehabilitation on the gravity belt thickeners and the dewatering building due to corrosion. The CDM Biosolids Study and the Perkins Technical Memorandum have proposed that we upgrade our 25-year-old belt filter presses and related equipment. Upon completion of the building rehabilitation and equipment replacement, the biosolids process (dewatering building, gravity belt thickeners, and sludge tanks) will be fitted for odor control mechanisms.</p>												<b>FUNDING SOURCE(S)</b> Certificates of Oblig. Issued      \$      93,504 Revenue Bonds Issued                      4,876,385 Current Funds                                      3,330,000 Commercial Paper                              19,000,000  <b>TOTAL FUNDED</b> <b>\$ 27,299,889</b>  <b>UNFUNDED</b> <b>\$ 9,200,000</b>  <b>PROJECT TOTAL</b> <b>\$ 36,499,889</b>		
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION										
<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions      Operations Capital Total				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 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	<b>STRIP MAP</b>					
Design	645	1,350						1,995						
Land/Right-of-Way														
Construction	305	25,000						25,305						
Landscaping														
Equip. & Furnish.			300	300	300	300	8,000	9,200						
Other														
<b>TOTAL COSTS</b>	950	26,350	300	300	300	300	8,000	36,500						
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total						
Current Funds	3,330							3,330						
GO's/Com Paper Issued														
GO's Unissued														
RB's/Com Paper	16,531	7,345						23,876						
Certificates of Obligation	94							94						
Other														
<b>Unfunded</b>			300	300	300	300	8,000	9,200						
<b>TOTAL SOURCES</b>	19,955	7,345	300	300	300	300	8,000	36,500						
									PROJECT SCHEDULE	START	FINISH			
									Design					
									Land/Right-of-Way					
									Construction					
									Finish Out					
									Other					
									<b>TOTAL SCHEDULE</b>	(Ongoing	Project)			



PAGE NO: <b>WW21</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) N/A		
DEPARTMENT WASTEWATER TREATMENT		PROJECT TITLE DUCK CREEK LABORATORY BUILDING DEMOLITION				PROJECT NO(S) 34039		ACCOUNT NO(S) 237-4239-3403900		
PROJECT DESCRIPTION Demolition of the old Duck Creek Laboratory building.		FUNDING SOURCE(S) Current Funds						\$ 214,259		
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION				TOTAL FUNDED		\$ 214,259		
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____		There will no longer be maintenance and upkeep on this vacant building.				UNFUNDED		\$		
						PROJECT TOTAL		\$ 214,259		
<b>STRIP MAP</b>										
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Design										
Land/Right-of-Way										
Construction		214						214		
Landscaping										
Equip. & Furnish.										
Other										
<b>TOTAL COSTS</b>		214						214		
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total		
Current Funds	214							214		
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation										
Other										
<b>Unfunded</b>										
<b>TOTAL SOURCES</b>	214							214		
								PROJECT SCHEDULE	START	FINISH
								Design		
								Land/Right-of-Way		
								Construction	3/2016	9/2016
								Finish Out		
								Other		
<b>TOTAL SCHEDULE</b>								<b>3/2016</b>	<b>9/2016</b>	







**ELECTRIC DETAIL PROJECT SUMMARY**  
**(Calendar Year 2016)**  
**(In 000's Dollars)**  
**APPROVED PROJECTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Funding Source</b>	<b>Thru 12/31/15</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
31387	Transmission Lines	E01	RB/INT/UNF	\$6,889	\$12,186	\$22,650	\$34,950	\$22,145	\$4,650	\$0	\$103,470
31223	Communications Upgrades/Improvements	E02	CF/RB/UNF	291	612	180	70	445	20	0	1,618
31240	Residential Construction	E03	CF/UNF	353	664	662	694	728	765	0	3,866
31320	Commercial and Industrial Construction	E04	CF/RB/UNF	1,619	1,856	1,051	1,102	1,157	1,216	0	8,001
31460	Street and Thoroughfare Lighting	E05	CF/UNF	1,062	2,177	2,170	2,279	2,394	2,514	0	12,596
31491	Relocation of Facilities	E06	CF/UNF	1,330	929	926	772	1,020	1,071	0	6,048
31532	Distribution Lines - Overhead	E07	CF/UNF	1,933	3,708	3,696	3,880	4,075	4,278	0	21,570
31551	Production	E08	CF/UNF	268	406	0	0	0	0	0	674
31624	Distribution Lines - Underground	E09	CF/RB/UNF	6,224	6,697	6,235	6,372	6,516	6,668	0	38,712
31717	Substations Upgrades	E10	CF/RB/UNF	14,343	20,163	6,245	9,195	3,890	5,080	0	58,916
31875	Various Improvements	E11	CF/RB/UNF	823	697	216	0	0	0	0	1,736
31424	Limestone to Gibbons Creek Transmission Line	E12	CF/UNF	3,000	38,943	70,313	15,000	0	0	0	127,256
Total				<u>\$38,135</u>	<u>\$89,038</u>	<u>\$114,344</u>	<u>\$74,314</u>	<u>\$42,370</u>	<u>\$26,262</u>	<u>\$0</u>	<u>\$384,463</u>
Total Existing CO's/RB's/Current Funds/Interest				\$38,135	\$26,706	\$0	\$0	\$0	\$0	\$0	\$64,841
Total 2016 Revenue Bonds/Commerical Paper				0	62,332	0	0	0	0	0	62,332
Unfunded				0	0	114,344	74,314	42,370	26,262	0	257,290
Total				<u>\$38,135</u>	<u>\$89,038</u>	<u>\$114,344</u>	<u>\$74,314</u>	<u>\$42,370</u>	<u>\$26,262</u>	<u>\$0</u>	<u>\$384,463</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 2016)**  
**(In 000's Dollars)**  
**DEBT ISSUANCE REQUIREMENTS**

<b>PROJ. NO.</b>	<b>Project Description</b>	<b>Page</b>	<b>Project Status</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 to Completion</b>	<b>Project Total</b>
31387	Transmission Lines	E01	Appr.	\$5,336	\$22,650	\$34,950	\$22,145	\$4,650	\$0	\$89,731
31223	Communications Upgrades/Improvements	E02	Appr.	0	180	70	445	20	0	715
31240	Residential Construction	E03	Appr.	0	662	694	728	765	0	2,849
31320	Commercial and Industrial Construction	E04	Appr.	801	1,051	1,102	1,157	1,216	0	5,327
31460	Street and Thoroughfare Lighting	E05	Appr.	0	2,170	2,279	2,394	2,514	0	9,357
31491	Relocation of Facilities	E06	Appr.	0	926	772	1,020	1,071	0	3,789
31532	Distribution Lines - Overhead	E07	Appr.	0	3,696	3,880	4,075	4,278	0	15,929
31624	Distribution Lines - Underground	E09	Appr.	3,426	6,235	6,372	6,516	6,668	0	29,217
31717	Substations Upgrades	E10	Appr.	13,330	6,245	9,195	3,890	5,080	0	37,740
31885	Various Improvements	E11	Appr.	496	216	0	0	0	0	712
31424	Limestone to Gibbons Creek Transmission Line	E12	Appr.	38,943	70,313	15,000	0	0	0	124,256
	Total			<u>\$62,332</u>	<u>\$114,344</u>	<u>\$74,314</u>	<u>\$42,370</u>	<u>\$26,262</u>	<u>\$0</u>	<u>\$319,622</u>
	Total Approved			\$62,332	\$114,344	\$74,314	\$42,370	\$26,262	\$0	\$319,622
	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>\$62,332</u>	<u>\$114,344</u>	<u>\$74,314</u>	<u>\$42,370</u>	<u>\$26,262</u>	<u>\$0</u>	<u>\$319,622</u>



PAGE NO: <b>E02</b>		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All			
DEPARTMENT <b>ELECTRIC</b>				PROJECT TITLE <b>COMMUNICATIONS UPGRADES/IMPROVEMENTS</b>					PROJECT NO(S). 31223 31282		ACCOUNT NO(S). 210-3699-3122300 210-3699-3128901	
PROJECT DESCRIPTION												
<p>The Communications Upgrades/Improvements Program includes funding for software, hardware, and equipment upgrades to the GP&amp;L system needed to meet ERCOT and regulatory requirements and to enhance overall system reliability. ERCOT mandates software changes necessary to maintain communications between GP&amp;L and ERCOT. The 2016 CIP includes funding for cyber security intrusion protection, call tracking to allow for increased customer communications and aid in trouble-shooting and power restoration, and upgrades to the GP&amp;L Energy Management System.</p>												
IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION								
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____												
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	<b>STRIP MAP</b>			
Design		164	60	50				274				
Land/Right-of-Way												
Construction												
Landscaping												
Equip. & Furnish.	291	195	100		425			1,011				
Other		253	20	20	20	20		333				
<b>TOTAL COSTS</b>	291	612	180	70	445	20		1,618				
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total				
Current Funds	79							79				
GO's/Com Paper Issued												
GO's Unissued												
RB's/Com Paper	824							824				
Certificates of Obligation												
Other												
<b>Unfunded</b>			180	70	445	20		715				
<b>TOTAL SOURCES</b>	903		180	70	445	20		1,618				
									PROJECT SCHEDULE	START	FINISH	
									Design			
									Land/Right-of-Way			
									Construction			
									Finish Out			
									Other			
									<b>TOTAL SCHEDULE</b>	(Ongoing	Project)	



PAGE NO: <b>E04</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) All	
DEPARTMENT ELECTRIC		PROJECT TITLE COMMERCIAL AND INDUSTRIAL CONSTRUCTION				PROJECT NO(S) 31320 31320		ACCOUNT NO(S) 215-3292-3132001 210-3292-3132001	
<b>PROJECT DESCRIPTION</b> The Commercial and Industrial Construction Program provides for the construction of aerial and underground electrical distribution facilities necessary to provide electric service to commercial and industrial customers. 2016 CIP funds will be used for additional apartments, restaurants, and businesses throughout the city and for the final stages of Downtown Garland Redevelopment projects.				<b>FUNDING SOURCE(S)</b>					
				Current Funds		\$ 1,470,717			
				Cash Transfer - GPL		1,055,000			
				Commercial Paper		949,539			
				<b>TOTAL FUNDED</b>		<b>\$ 3,475,256</b>			
				<b>UNFUNDED</b>		<b>\$ 4,526,000</b>			
				<b>PROJECT TOTAL</b>		<b>\$ 8,001,256</b>			
<b>IMPACT ON OPERATING BUDGET</b>				<b>IMPACT EXPLANATION</b>					
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____									
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design		250	250	263	276	289	304		1,632
Land/Right-of-Way									
Construction		619	1,086	394	413	434	456		3,402
Landscaping									
Equip. & Furnish.		750	465	394	413	434	456		2,912
Other			55						55
<b>TOTAL COSTS</b>		1,619	1,856	1,051	1,102	1,157	1,216		8,001
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Current Funds		1,471	1,055						2,526
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper		148	801						949
Certificates of Obligation									
Other									
<b>Unfunded</b>				1,051	1,102	1,157	1,216		4,526
<b>TOTAL SOURCES</b>		1,619	1,856	1,051	1,102	1,157	1,216		8,001
		<b>PROJECT SCHEDULE</b>		<b>START</b>		<b>FINISH</b>			
		Design							
		Land/Right-of-Way							
		Construction							
		Finish Out							
		Other							
		<b>TOTAL SCHEDULE</b>		(Ongoing		Project)			

PAGE NO: <b>E05</b>		<i>Continuing Project</i>					*Amounts in 000's \$		COUNCIL DISTRICT(S) All			
DEPARTMENT <b>ELECTRIC</b>		PROJECT TITLE <b>STREET AND THOROUGHFARE LIGHTING</b>					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 light circuits throughout the City as necessary to provide lighting for new and improved streets. Funding for the 2016 CIP includes the new LED Street Light Conversion project to convert existing street lighting, both residential and thoroughfare, to LED-type lighting along with pole change-outs. This program also includes the installation of the Street Light Management Control System throughout the city scheduled to be completed in 2022.					FUNDING SOURCE(S)					
							Current Funds		\$ 1,062,298			
							Cash Transfer - GPL		2,177,000			
							TOTAL FUNDED		<u>\$ 3,239,298</u>			
							UNFUNDED		<u>\$ 9,357,000</u>			
							PROJECT TOTAL		<u>\$ 12,596,298</u>			
IMPACT ON OPERATING BUDGET		IMPACT EXPLANATION					STRIP MAP					
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____		These projects will not impact the 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 thoroughfare lights.										
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design		77	517	543	570	599	629		2,935			
Land/Right-of-Way												
Construction		493	775	814	855	898	943		4,778			
Landscaping												
Equip. & Furnish.		492	774	813	854	897	942		4,772			
Other			111						111			
<b>TOTAL COSTS</b>		1,062	2,177	2,170	2,279	2,394	2,514		12,596			
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds		1,062	2,177						3,239			
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		
<b>Unfunded</b>				2,170	2,279	2,394	2,514		9,357	Other		
<b>TOTAL SOURCES</b>		1,062	2,177	2,170	2,279	2,394	2,514		12,596	<b>TOTAL SCHEDULE</b>	(Ongoing	Project)

PAGE NO: <b>E06</b>		<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		
<b>PROJECT DESCRIPTION</b> Funds in the 2016 CIP for the Relocation of Facilities Program will be used to relocate GP&L facilities as required for City street projects. Anticipated and ongoing projects for 2016 include work on Broadmoor, Rosehill Road, and various other side street projects. Distribution facilities will be relocated to allow street widening and repair. This project is ongoing and will continue as long as City streets are to be widened or rebuilt.						<b>FUNDING SOURCE(S)</b> Current Funds \$ 1,330,036 Cash Transfer - GPL 929,000  <b>TOTAL FUNDED \$ 2,259,036</b> <b>UNFUNDED \$ 3,789,000</b> <b>PROJECT TOTAL \$ 6,048,036</b>				
<b>IMPACT ON OPERATING BUDGET</b> <input type="checkbox"/> Will Impact Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			<b>IMPACT EXPLANATION</b> Relocation does not normally affect maintenance but may reduce future maintenance costs due to replacement of older facilities.							
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Design		135	220	231	242	254	267		1,349	
Land/Right-of-Way										
Construction		692	331	348	265	383	402		2,421	
Landscaping										
Equip. & Furnish.		503	331	347	265	383	402		2,231	
Other			47						47	
<b>TOTAL COSTS</b>		1,330	929	926	772	1,020	1,071		6,048	
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Current Funds		1,330	929						2,259	
GO's/Com Paper Issued										
GO's Unissued										
RB's/Com Paper										
Certificates of Obligation										
Other										
<b>Unfunded</b>				926	772	1,020	1,071		3,789	
<b>TOTAL SOURCES</b>		1,330	929	926	772	1,020	1,071		6,048	
								<b>PROJECT SCHEDULE</b>	<b>START</b>	<b>FINISH</b>
								Design		
								Land/Right-of-Way		
								Construction		
								Finish Out		
								Other		
								<b>TOTAL SCHEDULE</b>	(Ongoing	Project)

PAGE NO: <b>E07</b>		<i>Continuing Project</i>		<b>CITY OF GARLAND - 2016 CAPITAL PROJECT REQUEST</b>				*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		IMPACT ON OPERATING BUDGET				IMPACT EXPLANATION				FUNDING SOURCE(S)															
<p>The Distribution Lines - Overhead Program is used to build new overhead line sections where necessary to meet load growth due to residential, commercial, or industrial expansion within the GP&amp;L service area as well as to replace poles and transformers due to system aging and reliability needs. 2016 projects include Shiloh Road feeder rebuilds; alley rebuilds at Centerville and Miller Road; power quality corrections at Newman, Rosehill, Marquis, and Walnut; and trunk line feeder rebuilds from Centerville feeders.</p>		<input checked="" type="checkbox"/> Will Impact      Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital Total _____		This program should have a positive impact due to a reduction in maintenance and repair hours resulting from improved reliability and access to facilities.				<table border="0"> <tr> <td>Current Funds</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">2,066,213</td> </tr> <tr> <td>Cash Transfer - GPL</td> <td></td> <td style="text-align: right;">3,575,000</td> </tr> <tr> <td><b>TOTAL FUNDED</b></td> <td style="border-top: 1px solid black; text-align: right;"><b>\$</b></td> <td style="border-top: 1px solid black; text-align: right;"><b>5,641,213</b></td> </tr> <tr> <td><b>UNFUNDED</b></td> <td style="border-top: 1px solid black; text-align: right;"><b>\$</b></td> <td style="border-top: 1px solid black; text-align: right;"><b>15,929,000</b></td> </tr> <tr> <td><b>PROJECT TOTAL</b></td> <td style="border-top: 1px solid black; border-bottom: 3px double black; text-align: right;"><b>\$</b></td> <td style="border-top: 1px solid black; border-bottom: 3px double black; text-align: right;"><b>21,570,213</b></td> </tr> </table>			Current Funds	\$	2,066,213	Cash Transfer - GPL		3,575,000	<b>TOTAL FUNDED</b>	<b>\$</b>	<b>5,641,213</b>	<b>UNFUNDED</b>	<b>\$</b>	<b>15,929,000</b>	<b>PROJECT TOTAL</b>	<b>\$</b>	<b>21,570,213</b>
Current Funds	\$	2,066,213																							
Cash Transfer - GPL		3,575,000																							
<b>TOTAL FUNDED</b>	<b>\$</b>	<b>5,641,213</b>																							
<b>UNFUNDED</b>	<b>\$</b>	<b>15,929,000</b>																							
<b>PROJECT TOTAL</b>	<b>\$</b>	<b>21,570,213</b>																							
<b>STRIP MAP</b>																									
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total																	
Design	618	880	924	970	1,019	1,070		5,481																	
Land/Right-of-Way																									
Construction	726	1,320	1,386	1,455	1,528	1,604		8,019																	
Landscaping																									
Equip. & Furnish.	589	1,320	1,386	1,455	1,528	1,604		7,882																	
Other		188						188																	
<b>TOTAL COSTS</b>	<b>1,933</b>	<b>3,708</b>	<b>3,696</b>	<b>3,880</b>	<b>4,075</b>	<b>4,278</b>		<b>21,570</b>																	
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total																	
Current Funds	2,066	3,575						5,641																	
GO's/Com Paper Issued																									
GO's Unissued																									
RB's/Com Paper																									
Certificates of Obligation																									
Other																									
<b>Unfunded</b>			3,696	3,880	4,075	4,278		15,929																	
<b>TOTAL SOURCES</b>	<b>2,066</b>	<b>3,575</b>	<b>3,696</b>	<b>3,880</b>	<b>4,075</b>	<b>4,278</b>		<b>21,570</b>																	
								PROJECT SCHEDULE	START	FINISH															
								Design																	
								Land/Right-of-Way																	
								Construction																	
								Finish Out																	
								Other																	
								<b>TOTAL SCHEDULE</b>	(Ongoing	Project)															



PAGE NO: <b>E09</b>		<i>Continuing Project</i>		*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	
<b>PROJECT DESCRIPTION</b> The Distribution Lines - Underground Program includes funding for the replacement of primary underground cable and the construction of new underground distribution primarily in locations where overhead construction is prohibited. 2016 projects include replacement of 100,000 feet of 2/0 underground primary cable, underground construction for Downtown area redevelopment, conversion of overhead lines to underground lines, and feeder extensions at Firewheel and Telecom Parkway. This will include replacement of faulted/aging cable and electrical equipment within the system.						<b>FUNDING SOURCE(S)</b> Current Funds \$ 5,623,914 Cash Transfer - GPL 2,304,000 Commercial Paper 4,993,555  <b>TOTAL FUNDED \$ 12,921,469</b> <b>UNFUNDED \$ 25,791,000</b> <b>PROJECT TOTAL \$ 38,712,469</b>			
<b>IMPACT ON OPERATING BUDGET</b> <input checked="" type="checkbox"/> Will Impact Annual Cost/(Savings): <input type="checkbox"/> Will Not Impact Personnel Operations # of Positions _____ Capital _____ Total _____			<b>IMPACT EXPLANATION</b> This program should have a positive impact due to a reduction in maintenance and repair hours resulting from improved reliability and access to facilities.						
<b>*PROJECT COSTS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Design		1,264	1,500	1,531	1,564	1,599	1,635		9,093
Land/Right-of-Way									
Construction		2,522	2,580	2,381	2,434	2,490	2,550		14,957
Landscaping									
Equip. & Furnish.		2,438	2,275	2,323	2,374	2,427	2,483		14,320
Other			342						342
<b>TOTAL COSTS</b>		6,224	6,697	6,235	6,372	6,516	6,668		38,712
<b>*SOURCE OF FUNDS</b>		Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total
Current Funds		5,623	2,304						7,927
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper		1,568	3,426						4,994
Certificates of Obligation									
Other									
<b>Unfunded</b>				6,235	6,372	6,516	6,668		25,791
<b>TOTAL SOURCES</b>		7,191	5,730	6,235	6,372	6,516	6,668		38,712
		<b>STRIP MAP</b>							
		<b>PROJECT SCHEDULE</b>		<b>START</b>		<b>FINISH</b>			
		Design							
		Land/Right-of-Way							
		Construction							
		Finish Out							
		Other							
		<b>TOTAL SCHEDULE</b>		(Ongoing		Project)			

PAGE NO: <b>E10</b>		<i>Continuing Project</i>		*Amounts in 000's \$					COUNCIL DISTRICT(S) All		
DEPARTMENT <b>ELECTRIC</b>				PROJECT TITLE <b>SUBSTATIONS UPGRADES</b>					PROJECT NO(S). 31717	ACCOUNT NO(S). 210-3299-3171501	
PROJECT DESCRIPTION											
<p>The Substations Upgrades Program includes funding for construction, upgrades, and improvements to GP&amp;L substations. Continuing projects for 2016 include the construction of the Lookout Switching Station and Wylie 138 kV Switchyard, improvements to the Forest Lane Substation Loop, breaker replacements at various substations, continuing substation backup power installations, upgrades to the Apollo Substation to accommodate the Apollo-East Richardson transmission line upgrades and transmission construction to meet additional load.</p>											
<b>IMPACT ON OPERATING BUDGET</b>  <input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact    Personnel # of Positions _____ Operations Capital Total _____					<b>IMPACT EXPLANATION</b>					<b>FUNDING SOURCE(S)</b> Revenue Bonds Issued      \$ 2,051,616 Commercial Paper            32,454,717  TOTAL FUNDED                    \$ 34,506,333 UNFUNDED                         \$ 24,410,000 PROJECT TOTAL                    \$ 58,916,333	
<b>STRIP MAP</b>											
*PROJECT COSTS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Design	184	264	335	520	245	185		1,733			
Land/Right-of-Way	3,198							3,198			
Construction	4,053	10,655	2,310	3,960	1,260	2,260		24,498			
Landscaping											
Equip. & Furnish.	6,763	8,541	3,600	4,715	2,385	2,635		28,639			
Other	145	703						848			
<b>TOTAL COSTS</b>	<b>14,343</b>	<b>20,163</b>	<b>6,245</b>	<b>9,195</b>	<b>3,890</b>	<b>5,080</b>		<b>58,916</b>			
*SOURCE OF FUNDS	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total			
Current Funds											
GO's/Com Paper Issued											
GO's Unissued											
RB's/Com Paper	21,176	13,330						34,506			
Certificates of Obligation											
Other											
<b>Unfunded</b>			6,245	9,195	3,890	5,080		24,410			
<b>TOTAL SOURCES</b>	<b>21,176</b>	<b>13,330</b>	<b>6,245</b>	<b>9,195</b>	<b>3,890</b>	<b>5,080</b>		<b>58,916</b>			
								PROJECT SCHEDULE	START	FINISH	
								Design			
								Land/Right-of-Way			
								Construction			
								Finish Out			
								Other			
								<b>TOTAL SCHEDULE</b>	(Ongoing	Project)	



PAGE NO: <b>E12</b>		<i>Continuing Project</i>		*Amounts in 000's \$				COUNCIL DISTRICT(S) N/A	
DEPARTMENT <b>ELECTRIC</b>		PROJECT TITLE <b>LIMESTONE TO GIBBONS CREEK TRANS. LINE</b>				PROJECT NO(S). 31424		ACCOUNT NO(S). 210-3593-3142401	
PROJECT DESCRIPTION		FUNDING SOURCE(S)							
Based on population and industrial growth projections for the area, ERCOT has estimated that demand for electricity will outstrip supply by 2018 in the Houston area and has designated Cross Texas Transmission and Garland Power & Light to construct approximately 70 miles of new 345-kV, double-circuit transmission lines from Limestone to Gibbons Creek.		Current Funds		\$ 3,000,000					
		Commercial Paper		38,943,000					
		<b>TOTAL FUNDED</b>		<b>\$ 41,943,000</b>					
		<b>UNFUNDED</b>		<b>\$ 85,313,000</b>					
		<b>PROJECT TOTAL</b>		<b>\$127,256,000</b>					
<b>IMPACT ON OPERATING BUDGET</b>		<b>IMPACT EXPLANATION</b>				<b>STRIP MAP</b>			
<input type="checkbox"/> Will Impact      Annual Cost/(Savings): <input checked="" type="checkbox"/> Will Not Impact      Personnel # of Positions _____ Operations Capital _____ Total _____		This is new construction which will not require normal maintenance for some time. This will not require additional personnel or operating funds for installation.							
<b>*PROJECT COSTS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Design									
Land/Right-of-Way									
Construction	3,000	38,188	70,313	15,000				126,501	
Landscaping									
Equip. & Furnish.									
Other		755						755	
<b>TOTAL COSTS</b>	<b>3,000</b>	<b>38,943</b>	<b>70,313</b>	<b>15,000</b>				<b>127,256</b>	
<b>*SOURCE OF FUNDS</b>	Thru 12-2015	2016	2017	2018	2019	2020	2021 to Completion	Total	
Current Funds	3,000							3,000	
GO's/Com Paper Issued									
GO's Unissued									
RB's/Com Paper		38,943						38,943	
Certificates of Obligation									
Other									
<b>Unfunded</b>			70,313	15,000				85,313	
<b>TOTAL SOURCES</b>	<b>3,000</b>	<b>38,943</b>	<b>70,313</b>	<b>15,000</b>				<b>127,256</b>	
		<b>PROJECT SCHEDULE</b>		<b>START</b>		<b>FINISH</b>			
		Design		4/2015		12/2018			
		Land/Right-of-Way		11/2015		11/2015			
		Construction		1/2016		12/2018			
		Finish Out		8/2018		12/2018			
		Other							
		<b>TOTAL SCHEDULE</b>		<b>4/2015</b>		<b>12/2018</b>			

# **APPENDICES**

# **Appendix A**

**Ordinance Adopting 2016 CIP  
(Ordinance No. 6823)**

**ORDINANCE NO. 6823**

**AN ORDINANCE OF THE CITY OF GARLAND, TEXAS, APPROVING AND ADOPTING THE CAPITAL IMPROVEMENT PROGRAM FOR 2016, PROVIDING BUDGETARY APPROPRIATIONS FOR THE VARIOUS CAPITAL FUNDS OF THE CITY, AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, on January 19, 2016, the City Manager submitted a Proposed Capital Improvement Program (CIP) for the City for 2016; 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 2, 2016, and February 16, 2016, 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 2016, as submitted by the City Manager and adjusted by the City Council, containing estimates of resources and proposed expenditures for each planned project, is hereby approved and adopted as follows:

A. Park Project Appropriations	\$ 7,252,000
B. Street/Transportation Project Appropriations	39,468,000
C. Drainage Project Appropriations	3,863,000
D. Library Project Appropriations	3,983,000

E. Public Safety Project Appropriations	\$17,281,000
F. Economic Development Project Appropriations	8,689,000
G. Municipal Facilities and Miscellaneous Project Appropriations	7,963,000
H. Landfill/Transfer Station Project Appropriations	3,932,000
I. Environmental Waste Services Project Appropriations	4,596,000
J. Stormwater Management Project Appropriations	508,000
K. Internal Services Project Appropriations	2,408,000
L. Water Project Appropriations	25,826,000
M. Wastewater Project Appropriations	46,837,000
N. Electric Project Appropriations	89,038,000

**Section 2**

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

**PASSED AND APPROVED** this 16<sup>th</sup> day of February, 2016.

**THE CITY OF GARLAND, TEXAS**

By:   
 \_\_\_\_\_  
 Mayor

**ATTEST:**

  
 \_\_\_\_\_  
 City Secretary

# **Appendix B**

## **Capital Improvement Bond Referendums by Proposition**

# CAPITAL IMPROVEMENT BOND REFERENDUMS BY PROPOSITION

## GENERAL OBLIGATION CAPITAL IMPROVEMENT PROGRAM

*Voted and Approved May 15, 2004*

### Proposition No. 1

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

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

### Proposition No. 2

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

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

### Proposition No. 3

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

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

### Proposition No. 4

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

### Proposition No. 5

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

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

### Proposition No. 6

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

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

Proposition No. 7

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

Proposition No. 8

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

***Voted and Approved May 3, 1997***

Proposition No. 1

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

Proposition No. 2

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

Proposition No. 3

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

Proposition No. 4

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

Proposition No. 5

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

Proposition No. 6

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

Proposition No. 7

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

Proposition No. 8

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

***Voted and Approved May 4, 1991***

Proposition No. 1

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

Proposition No. 2

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

Proposition No. 3

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

# **Appendix C**

## **Summary of Programs**

**SUMMARY OF PROGRAMS**  
(In 000's Dollars)

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021 to Completion</u>	<u>Total Request</u>
<b><u>PARK</u></b>							
Prior Approved G.O./C.P.	\$2,210	\$500	\$0	\$0	\$0	\$0	\$2,710
New Debt G.O./C.P.	1,326	931	2,220	835	1,204	6,814	13,330
New Debt C.O.	725	0	0	0	0	0	725
Other Sources	2,991	265	0	0	0	0	3,256
Unfunded	0	2,963	2,470	2,273	250	4,350	12,306
	<u>\$7,252</u>	<u>\$4,659</u>	<u>\$4,690</u>	<u>\$3,108</u>	<u>\$1,454</u>	<u>\$11,164</u>	<u>\$32,327</u>
<b><u>STREET &amp; TRANSPORTATION</u></b>							
Prior Approved G.O./C.P.	\$8,208	\$514	\$65	\$0	\$0	\$0	\$8,787
New Debt G.O./C.P.	4,158	16,530	4,970	2,158	3,239	37,075	68,130
New Debt C.O.	5,031	0	0	0	0	0	5,031
Other Sources	22,071	18,250	1,351	0	0	0	41,672
Unfunded	0	5,236	3,655	4,280	4,976	10,011	28,158
	<u>\$39,468</u>	<u>\$40,530</u>	<u>\$10,041</u>	<u>\$6,438</u>	<u>\$8,215</u>	<u>\$47,086</u>	<u>\$151,778</u>
<b><u>DRAINAGE</u></b>							
Prior Approved G.O./C.P.	\$1,093	\$487	\$369	\$0	\$0	\$0	\$1,949
New Debt G.O./C.P.	979	2,550	650	1,000	3,071	2,500	10,750
New Debt C.O.	0	0	0	0	0	0	0
Other Sources	1,791	0	0	0	0	0	1,791
Unfunded	0	0	0	0	2,200	0	2,200
	<u>\$3,863</u>	<u>\$3,037</u>	<u>\$1,019</u>	<u>\$1,000</u>	<u>\$5,271</u>	<u>\$2,500</u>	<u>\$16,690</u>
<b><u>LANDFILL/TRANSFER STATION</u></b>							
New Debt C.O.	\$1,427	\$0	\$0	\$0	\$0	\$0	\$1,427
Other Sources	2,505	2,300	0	0	0	0	4,805
Unfunded	0	1,446	2,391	2,250	1,156	0	7,243
	<u>\$3,932</u>	<u>\$3,746</u>	<u>\$2,391</u>	<u>\$2,250</u>	<u>\$1,156</u>	<u>\$0</u>	<u>\$13,475</u>

**SUMMARY OF PROGRAMS**  
(In 000's Dollars)

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021 to Completion</u>	<u>Total Request</u>
<b><u>LIBRARY</u></b>							
New Debt C.O.	\$1,982	\$0	\$0	\$0	\$0	\$0	\$1,982
Other Sources	2,001	75	0	0	0	0	2,076
Unfunded	<u>0</u>	<u>1,209</u>	<u>750</u>	<u>750</u>	<u>750</u>	<u>750</u>	<u>4,209</u>
	<u>\$3,983</u>	<u>\$1,284</u>	<u>\$750</u>	<u>\$750</u>	<u>\$750</u>	<u>\$750</u>	<u>\$8,267</u>
<b><u>PUBLIC SAFETY</u></b>							
Prior Approved G.O./C.P.	\$552	\$0	\$0	\$0	\$0	\$0	\$552
New Debt G.O./C.P.	0	0	0	0	0	1,025	1,025
New Debt C.O.	4,712	0	0	0	0	0	4,712
Other Sources	12,017	0	0	0	0	0	12,017
Unfunded	<u>0</u>	<u>1,820</u>	<u>461</u>	<u>2,452</u>	<u>494</u>	<u>24,682</u>	<u>29,909</u>
	<u>\$17,281</u>	<u>\$1,820</u>	<u>\$461</u>	<u>\$2,452</u>	<u>\$494</u>	<u>\$25,707</u>	<u>\$48,215</u>
<b><u>ECONOMIC DEVELOPMENT</u></b>							
Prior Approved G.O./C.P.	\$924	\$0	\$0	\$0	\$0	\$0	\$924
New Debt G.O./C.P.	0	1,220	1,497	521	880	6,255	10,373
New Debt C.O.	1,150	0	0	0	0	0	1,150
Other Sources	6,615	77	0	0	0	3	6,695
Unfunded	<u>0</u>	<u>0</u>	<u>923</u>	<u>1,577</u>	<u>0</u>	<u>1,673</u>	<u>4,173</u>
	<u>\$8,689</u>	<u>\$1,297</u>	<u>\$2,420</u>	<u>\$2,098</u>	<u>\$880</u>	<u>\$7,931</u>	<u>\$23,315</u>
<b><u>MUNICIPAL FACILITIES &amp; MISC. TAX SUPPORTED</u></b>							
New Debt C.O.	\$1,572	\$0	\$0	\$0	\$0	\$0	\$1,572
Other Sources	6,391	2	0	0	0	0	6,393
Unfunded	<u>0</u>	<u>2,173</u>	<u>2,400</u>	<u>1,950</u>	<u>2,345</u>	<u>0</u>	<u>8,868</u>
	<u>\$7,963</u>	<u>\$2,175</u>	<u>\$2,400</u>	<u>\$1,950</u>	<u>\$2,345</u>	<u>\$0</u>	<u>\$16,833</u>

**SUMMARY OF PROGRAMS**  
(In 000's Dollars)

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021 to Completion</u>	<u>Total Request</u>
<b><u>TOTAL GENERAL FUND</u></b>							
Prior Approved G.O./C.P.	\$12,987	\$1,501	\$434	\$0	\$0	\$0	\$14,922
New Debt G.O./C.P.	6,463	21,231	9,337	4,514	8,394	53,669	103,608
New Debt C.O.	16,599	0	0	0	0	0	16,599
Other Sources	56,382	20,969	1,351	0	0	3	78,705
Total Funded Projects	\$92,431	\$43,701	\$11,122	\$4,514	\$8,394	\$53,672	\$213,834
Unfunded	0	14,847	13,050	15,532	12,171	41,466	97,066
TOTAL	<u>\$92,431</u>	<u>\$58,548</u>	<u>\$24,172</u>	<u>\$20,046</u>	<u>\$20,565</u>	<u>\$95,138</u>	<u>\$310,900</u>

**MISC. REVENUE SUPPORTED & INTERNAL SERVICE**

New Debt C.O.	\$1,826	\$0	\$0	\$0	\$0	\$0	\$1,826
Other Sources	582	0	0	0	0	0	582
Unfunded	0	413	413	413	413	0	1,652
	<u>\$2,408</u>	<u>\$413</u>	<u>\$413</u>	<u>\$413</u>	<u>\$413</u>	<u>\$0</u>	<u>\$4,060</u>

**EWS GROUP - DELIVERY**

New Debt C.O.	\$3,919	\$0	\$0	\$0	\$0	\$0	\$3,919
Other Sources	677	0	0	0	0	0	677
Unfunded	0	3,429	2,398	3,097	2,392	0	11,316
	<u>\$4,596</u>	<u>\$3,429</u>	<u>\$2,398</u>	<u>\$3,097</u>	<u>\$2,392</u>	<u>\$0</u>	<u>\$15,912</u>

**STORMWATER MANAGEMENT**

New Debt C.O.	\$252	\$0	\$0	\$0	\$0	\$0	\$252
Other Sources	256	0	0	0	0	0	256
Unfunded	0	500	500	500	500	0	2,000
	<u>\$508</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$0</u>	<u>\$2,508</u>

**SUMMARY OF PROGRAMS**  
**(In 000's Dollars)**

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021 to Completion</u>	<u>Total Request</u>
<b><u>WATER</u></b>							
New Debt C.P.	\$11,210	\$0	\$0	\$0	\$0	\$0	\$11,210
Prior Approved C.P.	12,176	0	0	0	0	0	12,176
Other Sources	2,440	24	0	0	0	0	2,464
Unfunded	0	11,151	7,375	7,175	7,175	7,000	39,876
	<u>\$25,826</u>	<u>\$11,175</u>	<u>\$7,375</u>	<u>\$7,175</u>	<u>\$7,175</u>	<u>\$7,000</u>	<u>\$65,726</u>
<b><u>WASTEWATER</u></b>							
New Debt C.P.	\$14,335	\$0	\$0	\$0	\$0	\$0	\$14,335
Prior Approved C.P.	12,964	0	0	0	0	0	12,964
Other Sources	19,538	811	20	20	20	0	20,409
Unfunded	0	15,535	17,470	14,710	14,110	115,790	177,615
	<u>\$46,837</u>	<u>\$16,346</u>	<u>\$17,490</u>	<u>\$14,730</u>	<u>\$14,130</u>	<u>\$115,790</u>	<u>\$225,323</u>
<b><u>ELECTRIC</u></b>							
New Debt C.P.	\$62,332	\$0	\$0	\$0	\$0	\$0	\$62,332
Prior Approved C.P.	15,279	0	0	0	0	0	15,279
Other Sources	11,427	0	0	0	0	0	11,427
Unfunded	0	114,344	74,314	42,370	26,262	0	257,290
	<u>\$89,038</u>	<u>\$114,344</u>	<u>\$74,314</u>	<u>\$42,370</u>	<u>\$26,262</u>	<u>\$0</u>	<u>\$346,328</u>
<b><u>TOTAL UTILITY FUNDS</u></b>							
New Debt C.P.	\$87,877	\$0	\$0	\$0	\$0	\$0	\$87,877
Prior Approved C.P.	40,419	0	0	0	0	0	40,419
New Debt C.O.	4,171	0	0	0	0	0	4,171
Other Sources	34,338	835	20	20	20	0	35,233
Total Funded Projects	\$166,805	\$835	\$20	\$20	\$20	\$0	\$167,700
Unfunded	0	144,959	102,057	67,852	50,439	122,790	488,097
TOTAL	<u>\$166,805</u>	<u>\$145,794</u>	<u>\$102,077</u>	<u>\$67,872</u>	<u>\$50,459</u>	<u>\$122,790</u>	<u>\$655,797</u>

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

# **Appendix D**

## **CIP Fund Allocation**

## CIP FUND ALLOCATION BY PROGRAM

	<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	\$3,812	52.6%	\$2,915	40.2%	\$525	7.2%	\$7,252
Street/Transportation	28,419	72.0%	7,424	18.8%	3,625	9.3%	39,468
Drainage	2,884	74.7%	979	25.3%	0	0.0%	3,863
Library	1,533	38.5%	2,450	61.5%	0	0.0%	3,983
Public Safety	8,461	49.0%	8,476	49.0%	344	2.0%	17,281
Economic Development	7,116	81.9%	0	0.0%	1,573	18.1%	8,689
Landfill/Transfer Station	0	0.0%	0	0.0%	3,932	99.9%	3,932
Other	6,083	76.4%	1,143	14.4%	737	9.3%	7,963
Total	<u>\$58,308</u>	<u>63.1%</u>	<u>\$23,387</u>	<u>25.3%</u>	<u>\$10,736</u>	<u>11.6%</u>	<u>\$92,431</u>
Misc. Rev. & Internal Service	\$532	17.7%	\$1,876	62.4%	\$600	19.9%	\$3,008
EWS Group - Delivery	597	14.9%	0	0.0%	3,399	85.1%	3,996
Stormwater	256	50.4%	0	0.0%	252	49.6%	508
Water	14,156	54.8%	11,270	43.6%	400	1.5%	25,826
Wastewater	29,431	62.8%	17,406	37.2%	0	0.0%	46,837
Electric	15,706	17.6%	73,332	82.4%	0	0.0%	89,038
Total	<u>\$60,678</u>	<u>35.9%</u>	<u>\$103,884</u>	<u>61.4%</u>	<u>\$4,651</u>	<u>2.7%</u>	<u>\$169,213</u>
Grand Total	<u><u>\$118,986</u></u>	<u><u>45.5%</u></u>	<u><u>\$127,271</u></u>	<u><u>48.6%</u></u>	<u><u>\$15,387</u></u>	<u><u>5.9%</u></u>	<u><u>\$261,644</u></u>

Funding in Thousands

## CIP FUND ALLOCATION BY PROJECT 2016

		<u>Page</u>	<u>Existing Funding</u>	<u>Continuation Funding</u>	<u>New Project Funding</u>	<u>Project Total</u>
<b><u>Park</u></b>						
18213	Atrium Renovations	P01	\$142,000			\$142,000
18209	Trail Development	P02	498,000	1,375,000		\$1,873,000
18320	Granger Recreation Center & Annex Renovation	P04	609,000	460,000		1,069,000
18324	Bradfield, Wynne, & Holford Pools	P05	116,000			116,000
18325	Audubon Recreation Center Expansion	P06	120,000	80,000		200,000
18329	Tuckerville Park Sports Field Development	P08	10,000			10,000
18330	Skating/Skateboard Facility	P09	48,000	20,000		68,000
18331	Expand Centralized Irrigation/Lighting Control	P10		80,000		80,000
18332	Land Acquisition	P11	255,000	400,000		655,000
18337	Windsurf Bay Park	P14	200,000			200,000
18338	Playground Improvements	P15	383,000			383,000
18345	Repaving of Parking Lots for Parks Dept.	P16	1,195,000			1,195,000
18346	Central Park - Park Operations Facility Imprvmts.	P17		440,000		440,000
18347	Dog Park	P18	80,000			80,000
18348	Park Lighting Improvements - Parking Lots	P19	36,000	60,000		96,000
18350	Fencing - Audubon and Winters Soccer Complex	P20	120,000			120,000
18351	Pedestrian/Bike Bridges - Duck Creek	P21			225,000	225,000
18352	Granville Arts Ctr - Art Sculpture	P22			300,000	300,000
	<b>Total Park</b>		<u>\$3,812,000</u>	<u>\$2,915,000</u>	<u>\$525,000</u>	<u>\$7,252,000</u>
<b><u>Street/Transportation</u></b>						
14176	New Sidewalks	ST01	\$261,000	\$214,000		\$475,000
14200	Street and Alley Petition	ST02	319,000	6,000		325,000
14202	Sidewalk / Curb & Gutter Participation	ST03	280,000	70,000		350,000
14257	Pleasant Valley - Firewheel Pkwy. to Richfield	ST05	1,000,000			1,000,000
14261	Oates Road - Broadway to Rosehill	ST06	763,000	612,000		1,375,000
14272	Bobtown Road - Rowlett to Waterhouse	ST10	410,000			410,000
14273	Brand Road - S.H. 190 to Muirfield	ST11			1,550,000	1,550,000
14279	Northwest Highway - Centerville to La Prada	ST12	100,000			100,000
14288	Shiloh Road - I.H. 635 to Kingsley	ST13	3,912,000	1,480,000		5,392,000
14292	Pleasant Valley Road Bridge	ST14	16,100,000			16,100,000
14294	Miller Road Bridge	ST15	39,000			39,000
14300	Fifth Street - Miller to Kingsley	ST16	789,000	56,000		845,000
14301	Screen Wall Reconstruction	ST17	100,000			100,000
14303	Waterhouse - Bobtown to Hayman	ST19	100,000			100,000
14305	Holford Road - PGBT to Campbell Rd.	ST20			300,000	300,000
14306	Holford Road - Arapaho to PGBT	ST21			425,000	425,000
14308	Bobtown Road - Kelso to Barnes Bridge	ST22			300,000	300,000
15640	Operational and Safety Improvements	ST23	701,000	100,000		801,000
15219	Miscellaneous Equipment and Services	ST24	54,000			54,000
15600	New Traffic Signal Installations	ST25	250,000	100,000		350,000
15544	LED Replacement Program	ST26	26,000	100,000		126,000
15530	Traffic Control System	ST27	260,000			260,000
15547	Emergency Services Signal Equipment	ST28	61,000			61,000
15578	Railroad Crossing Improvements	ST29	197,000			197,000
15596	North-South Bikeway	ST30	240,000	480,000		720,000
15620	Signal Equipment Modernizations	ST31	175,000	200,000		375,000
15751	Train Quiet Zone	ST32	108,000			108,000
14304	LBJ Sound Wall Aesthetics	ST33	491,000			491,000
14307	Transit Pass - Bottleneck Improvements	ST34			500,000	500,000
39821	Shady Lane - Tanglewood Ln. to Resistol Rd.	ST35			270,000	270,000
39822	Arrowhead Dr. - Broadmoor to Northwest	ST36			280,000	280,000
39818	Street Reconstruction and Improvements	ST37	1,683,000	4,006,000		5,689,000
	<b>Total Street/Transportation</b>		<u>\$28,419,000</u>	<u>\$7,424,000</u>	<u>\$3,625,000</u>	<u>\$39,468,000</u>

## CIP FUND ALLOCATION BY PROJECT 2016

		Page	Existing Funding	Continuation Funding	New Project Funding	Project Total
<b><u>Drainage</u></b>						
14230	Miscellaneous Flooding	D01	\$547,000			\$547,000
14231	Petition Drainage	D02	300,000			300,000
14244	Classic and Yale	D03	100,000			100,000
14246	Parkmont Drive	D05	146,000	979,000		1,125,000
14248	Bridge Remediation	D06	1,372,000			1,372,000
14299	Downtown Drainage Improvements	D07	419,000			419,000
	<b>Total Drainage</b>		<u>\$2,884,000</u>	<u>\$979,000</u>	<u>\$0</u>	<u>\$3,863,000</u>
<b><u>Library</u></b>						
19580	Library Materials	L01		\$750,000		\$750,000
19581	Facilities Upgrades	L02	709,000			709,000
19584	Central Library Parking Lot Lighting	L03	301,000			301,000
19585	Central Library Fire Upgrades	L04	523,000	299,000		822,000
19587	RFID Service Delivery	L05		1,401,000		1,401,000
	<b>Total Library</b>		<u>\$1,533,000</u>	<u>\$2,450,000</u>	<u>\$0</u>	<u>\$3,983,000</u>
<b><u>Public Safety</u></b>						
12032	Fire Station No. 5	PS01	\$3,495,000	\$575,000		\$4,070,000
12107	Ambulance Remounts	PS04	108,000		344,000	452,000
12058	Replace Fire Apparatus	PS05	306,000			306,000
12108	Emergency Response Safety Equip./Service	PS06	53,000			53,000
23047	Radio System Replacement	PS07	4,499,000	7,901,000		12,400,000
	<b>Total Public Safety</b>		<u>\$8,461,000</u>	<u>\$8,476,000</u>	<u>\$344,000</u>	<u>\$17,281,000</u>
<b><u>Economic Development</u></b>						
10046	Land/Property Acquisition	ED01	\$150,000			\$150,000
10027	Downtown Streetscape & Redevelop. Design	ED02	1,352,000			1,352,000
10034	Neighborhood Vitality Grant Program	ED04	524,000			524,000
10042	Downtown Gateways	ED05	100,000			100,000
10043	Downtown Square Design & Construction	ED06	300,000			300,000
10127	Walnut Street Pedestrian Corridor	ED09	1,065,000			1,065,000
10136	City Center Development	ED10	3,625,000			3,625,000
10508	Economic Development Office	ED11			1,573,000	1,573,000
	<b>Total Economic Development</b>		<u>\$7,116,000</u>	<u>\$0</u>	<u>\$1,573,000</u>	<u>\$8,689,000</u>
<b><u>Municipal Facilities and Miscellaneous Tax Supported</u></b>						
Facilities Management						
16037	HVAC Replacement/Upgrade	MF01	\$222,000	\$278,000		\$500,000
16038	Roof Replacement	MF02	615,000	300,000		915,000
16039	Facilities Upgrade	MF03	924,000			924,000
16057	Fire Alarm, Fire Safety and Security Systems	MF04	300,000			300,000
16062	Parking Lot Upgrades	MF05	653,000	157,000		810,000
16066	Carver 3 Renovation	MF06	983,000			983,000
16104	City Hall Code/Safety Updates	MF07	612,000			612,000
Firewheel						
36530	Firewheel Golf Park Improvements	MF09	104,000			104,000
36531	Firewheel Golf Park Cart Replacements	MF10	22,000		337,000	359,000
Public and Media Affairs						
16084	CGTV - Upgrades	MF11	1,148,000	308,000		1,456,000
Street						
39811	Infrastructure Equipment	MF12	360,000		400,000	760,000
39818	Structure for Sanding Material	MF13	140,000	100,000		240,000
	<b>Total Mun. Fac. and Misc. Tax Supported</b>		<u>\$6,083,000</u>	<u>\$1,143,000</u>	<u>\$737,000</u>	<u>\$7,963,000</u>

## CIP FUND ALLOCATION BY PROJECT 2016

		<u>Page</u>	<u>Existing Funding</u>	<u>Continuation Funding</u>	<u>New Project Funding</u>	<u>Project Total</u>
<b><u>Miscellaneous Revenue Supported and Internal Service</u></b>						
EWS Group - Delivery						
21070	95-Gal. Recycling Containers - Phases 4 thru 6	M01	\$412,000		\$570,000	\$982,000
21068	Replacement of Side-Load Residential Trucks	M02	58,000		1,442,000	1,500,000
21069	Replacement of Recycling Truck	M03			300,000	300,000
21071	Replacement of Rear-Load Residential Trucks	M04			494,000	494,000
21072	Replacement of Knuckle Boom Truck	M05			171,000	171,000
21074	Replacement of Brush Trailers	M06	127,000		163,000	290,000
21073	Replacement of Brush Tractor Trucks	M07			259,000	259,000
21075	Replcmt. of Commercial Front-Load Trucks	M08			600,000	600,000
Fleet Services						
19030	Fuel System Upgrade	M09	272,000			272,000
19033	Fleet Services Facility Renovation	M10	116,000	1,510,000		1,626,000
Management Information Services						
23045	Extend Fiber Optic Cable	M11	29,000	221,000		250,000
23019	Network and Cabling Upgrades	M12	115,000	145,000		260,000
Stormwater Management						
39818	Stormwater Maintenance Equipment	M13	256,000		252,000	508,000
<b>Total Misc. Rev. Supported and Internal Service</b>			<u>\$1,385,000</u>	<u>\$1,876,000</u>	<u>\$4,251,000</u>	<u>\$7,512,000</u>
<b><u>Landfill/Transfer Station</u></b>						
17154	Replacement of Landfill Equipment	EW01			2,517,000	2,517,000
17157	Construction of Waste Cell #7	EW03			1,250,000	1,250,000
17158	Automated Truck Wheel Wash System	EW04			165,000	165,000
<b>Total Landfill/Transfer Station</b>			<u>\$0</u>	<u>\$0</u>	<u>\$3,932,000</u>	<u>\$3,932,000</u>
<b><u>Water</u></b>						
30190	Transmission Mains (16-Inch and Above)	W01	\$300,000	\$2,460,000		\$2,760,000
30191	Distribution Lines (Up to 14-Inch)	W02	600,000	3,000,000		3,600,000
30192	Relocation of Mains Prior to Paving	W03	4,900,000	1,760,000		6,660,000
30195	Relocation of Mains Prior to Storm Sewer Install.	W04	125,000			125,000
30197	Water Pump Station Rehab	W05	1,400,000			1,400,000
30205	Fire Hydrant Installation	W06	150,000	500,000		650,000
30206	New Water Service Installation	W07	100,000	300,000		400,000
30207	Upgrade Undersized Water Mains	W08	400,000	500,000		900,000
30208	Water Distribution Line Replacement	W09	200,000	750,000		950,000
30213	Radio Read Water Meter Retrofit	W10	800,000			800,000
30216	Country Club Road Water Transmission Mains	W11	345,000	2,000,000		\$2,345,000
30222	West Pressure Plane Improvements	W12	4,400,000			4,400,000
30231	Pleasant Valley Water Main	W13	436,000			\$436,000
30234	Water Utility Equipment	W14			400,000	400,000
<b>Total Water</b>			<u>\$14,156,000</u>	<u>\$11,270,000</u>	<u>\$400,000</u>	<u>\$25,826,000</u>

## CIP FUND ALLOCATION BY PROJECT 2016

		<u>Page</u>	<u>Existing Funding</u>	<u>Continuation Funding</u>	<u>New Project Funding</u>	<u>Project Total</u>
<b><u>Wastewater</u></b>						
Wastewater Collection						
32123	Participation in New Sewer Development	WW01	\$128,000			\$128,000
32124	Infiltration Correction - Various	WW02	1,056,000	700,000		1,756,000
32147	Sewer Collection Mains - Manholes	WW03		400,000		400,000
32148	Sanitary Sewer Taps - New or Relocations	WW04	28,000	80,000		108,000
32149	Collection Mains	WW05	57,000	1,080,000		1,137,000
32151	Sewer Lift Station Rehab	WW06	339,000	161,000		500,000
32154	Cured-in-Place Pipe Main & Lateral Rehab	WW07	493,000	700,000		1,193,000
32157	Relocation of Mains Prior to Paving	WW08	860,000	1,080,000		1,940,000
32161	Rowl-I - Campbell to Shiloh	WW09	928,000	1,000,000		1,928,000
32174	Lift Station Abandonment	WW10	220,000			220,000
32180	Long Branch - II WW Main Realignment	WW11	591,000			591,000
32181	Duck Creek Greenbelt Trail Extension	WW12	1,434,000			1,434,000
32183	Duck Creek Interceptor Rehab	WW13	32,000			32,000
32184	Rowlett Interceptor Rehab	WW14	6,000	810,000		816,000
32187	S.H. 190 Catalyst Area	WW15	150,000			150,000
Wastewater Treatment						
33028	Rowlett Creek WWTP Processes Improvements	WW16	\$326,000	\$1,250,000		\$1,576,000
33029	Rowlett Creek WWTP Replacements/Mods.	WW17	1,125,000			1,125,000
34027	Duck Creek WWTP Replacements/Mods.	WW18	900,000	1,200,000		2,100,000
34035	Rowlett Creek WWTP Biosolids Expansion	WW19	19,005,000	7,345,000		26,350,000
34038	Duck Creek WWTP Processes Improvements	WW20	1,539,000	1,600,000		3,139,000
34039	Duck Creek Laboratory Building Demolition	WW21	214,000			214,000
	<b>Total Wastewater</b>		<u>\$29,431,000</u>	<u>\$17,406,000</u>	<u>\$0</u>	<u>\$46,837,000</u>
<b><u>Electric</u></b>						
31387	Transmission Lines	E01	\$6,850,000	\$5,336,000		\$12,186,000
31223	Communications Upgrades/Improvements	E02	612,000			612,000
31240	Residential Construction	E03		664,000		664,000
31320	Commercial and Industrial Construction	E04		1,856,000		1,856,000
31460	Street and Thoroughfare Lighting	E05		2,177,000		2,177,000
31491	Relocation of Facilities	E06		929,000		929,000
31532	Distribution Lines - Overhead	E07	133,000	3,575,000		3,708,000
31551	Production	E08	294,000	112,000		406,000
31624	Distribution Lines - Underground	E09	967,000	5,730,000		6,697,000
31717	Substations Upgrades	E10	6,833,000	13,330,000		20,163,000
31875	Various Improvements	E11	17,000	680,000		697,000
31424	Limestone to Gibbons Creek Transmission Line	E12		38,943,000		38,943,000
	<b>Total Electric</b>		<u>\$15,706,000</u>	<u>\$73,332,000</u>	<u>\$0</u>	<u>\$89,038,000</u>
	<b>Total</b>		<u>\$118,986,000</u>	<u>\$127,271,000</u>	<u>\$15,387,000</u>	<u>\$261,644,000</u>

# **Appendix E**

## **Downtown Catalyst Area Improvements – Phase 2**

**DOWNTOWN CATALYST AREA IMPROVEMENTS**  
**PHASE 2**  
(In 000's Dollars)

<u>Page No.</u>	<u>FUNDING REQUIRED</u>	<u>Estimates as of 2015</u>	<u>Projections as of 2016</u>	<u>Change</u>
<b>City Center Development</b>				
ED10	Parking Structure	\$ 7,130	\$ 7,130	\$ -
ED10	Relocation of Heritage Park (Includes Lyles House)	1,586	1,586	-
ED10	City Hall Façade	7,506	7,406	(100)
ED10 *	Downtown Streetscape for Austin/State	258	258	-
ED10 *	Site Preparation	430	430	-
ED10	Arts Plaza	500	700	200
<b>Sub-Total City Center Development</b>		<b>\$ 17,410</b>	<b>\$ 17,510</b>	<b>\$ 100</b>
<b>Infrastructure</b>				
Complete	Water Improvements	\$ 804	\$ 804	\$ -
D07 *	Street and Drainage Improvements	1,754	1,754	-
ED09	Walnut Pedestrian Corridor	1,458	1,458	-
E09	Relocation of Electric Underground	900	900	-
<b>Sub-Total Infrastructure</b>		<b>\$ 4,916</b>	<b>\$ 4,916</b>	<b>\$ -</b>
<b>City Facilities Improvements</b>				
L03	Library Parking Lot Lighting	\$ 350	\$ 350	\$ -
ED02 *	Streetscape for Fifth Street	685	685	-
Complete	City Hall UPS Upgrade / Data Center Renovation	420	420	-
MF11	Sound Studio / CGTV Upgrades	1,955	1,955	-
MF07	City Hall Code/Safety Upgrades	2,010	1,910	(100)
Complete	Facilities Demolition	150	150	-
<b>Sub-Total City Facilities Improvements</b>		<b>\$ 5,570</b>	<b>\$ 5,470</b>	<b>\$ (100)</b>
<b>Total Downtown Catalyst Area Improvements</b>		<b>\$ 27,896</b>	<b>\$ 27,896</b>	<b>\$ -</b>
<b><u>FUNDING SOURCES</u></b>				
	One-Time Funds Earmarked for Economic Development	\$ 13,592	\$ 13,592	\$ -
	Available CIP Funds	6,267	6,267	-
	Downtown TIF-Supported Debt	3,000	3,000	-
	Downtown TIF Funds Available	1,278	1,278	-
	Infrastructure Funding in Utility CIP	1,704	1,704	-
	Restricted Use Funds (PEG, Tree Mitigation)	2,055	2,055	-
<b>Total Funding Sources</b>		<b>\$ 27,896</b>	<b>\$ 27,896</b>	<b>\$ -</b>

**Note:** 2016 Projections show slight adjustments between individual projects with total cost remaining the same as 2015's estimate.

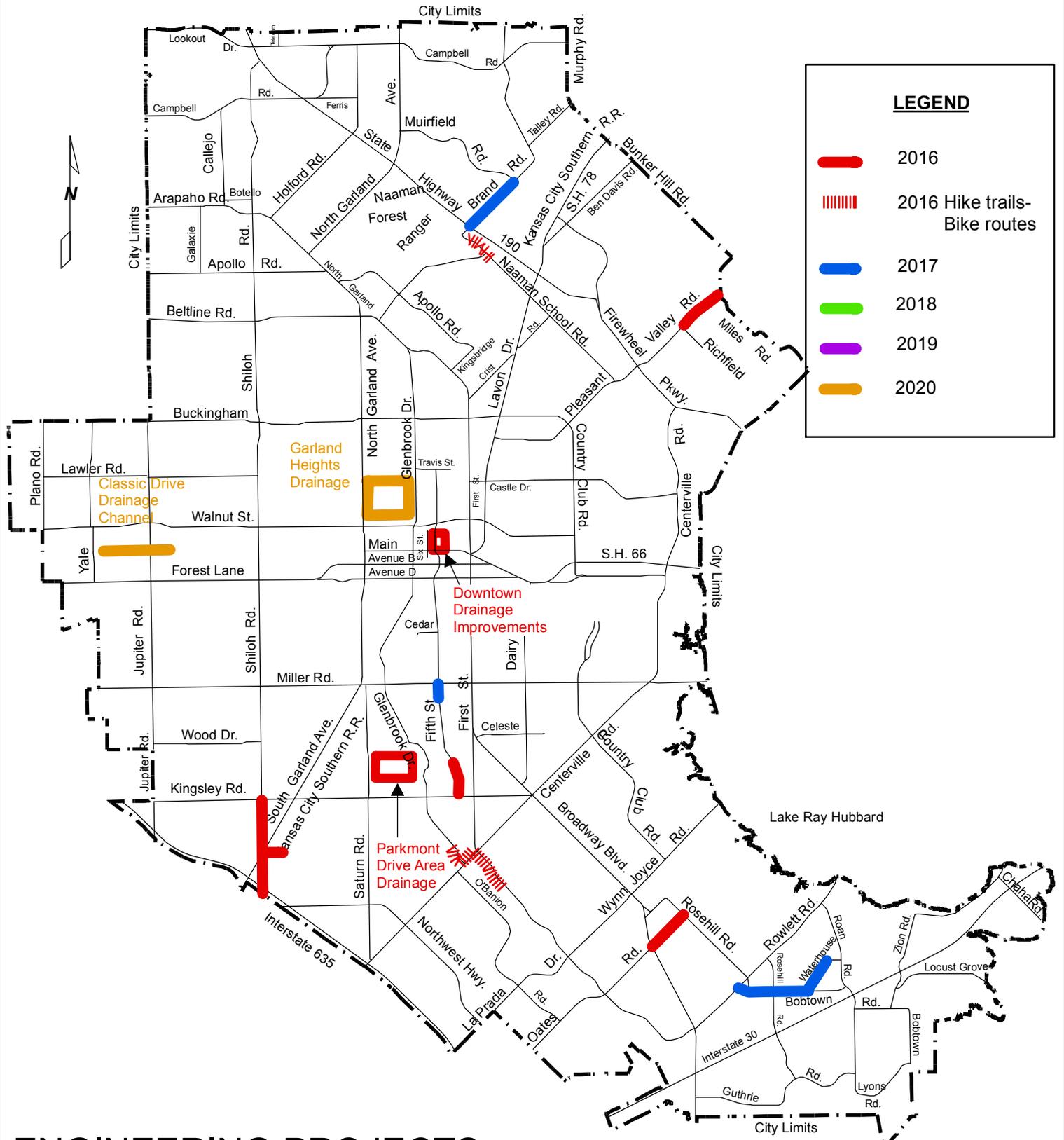
\* Net of Developer Contributions

# **Appendix F**

## **Maps**



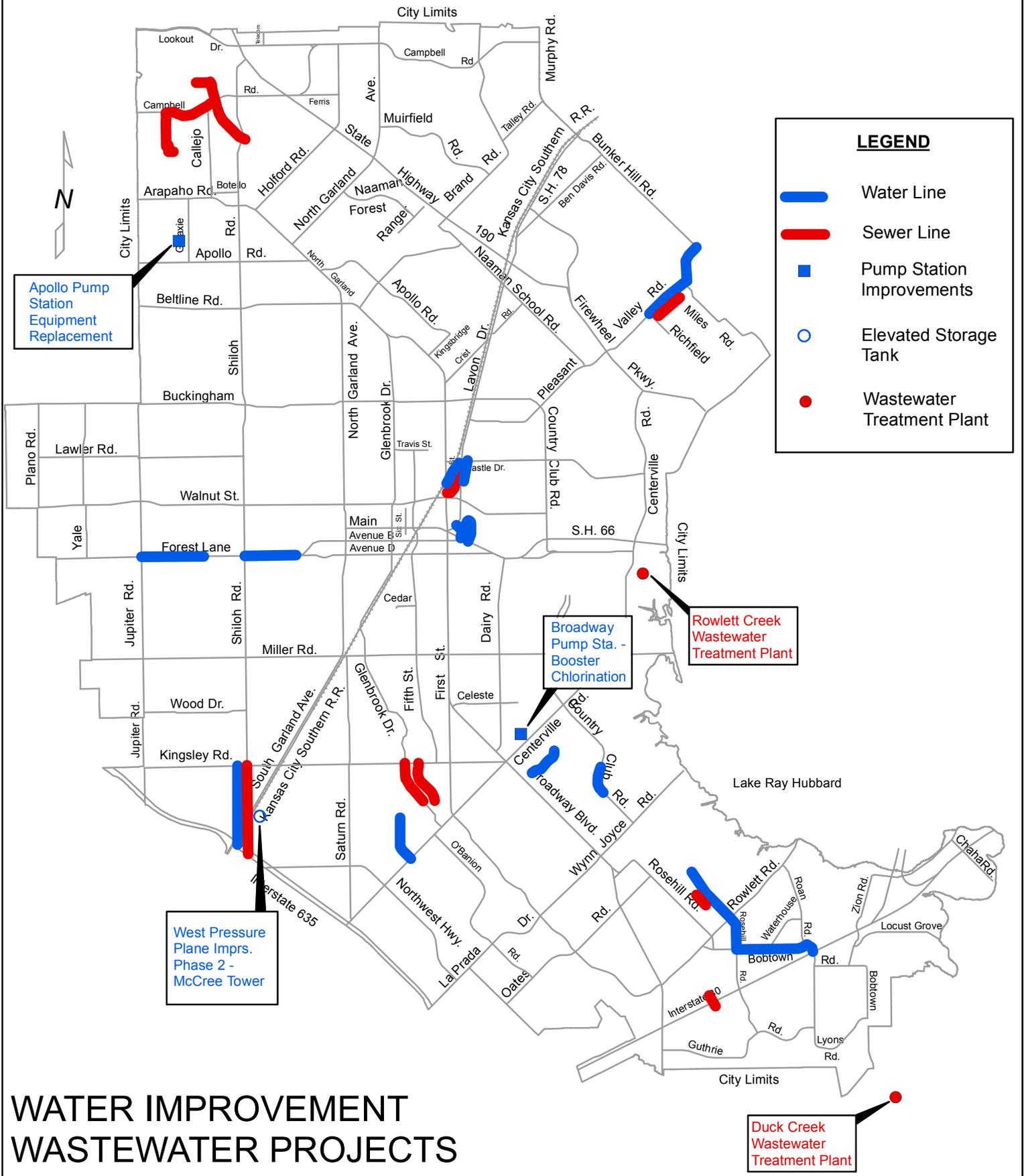
# 2016 CAPITAL IMPROVEMENTS PROGRAM 5-YEAR CONSTRUCTION PLAN



LEGEND	
<span style="color: red;">█</span>	2016
<span style="color: red;">▨</span>	2016 Hike trails-Bike routes
<span style="color: blue;">█</span>	2017
<span style="color: green;">█</span>	2018
<span style="color: purple;">█</span>	2019
<span style="color: orange;">█</span>	2020

**ENGINEERING PROJECTS**

# 2016 CAPITAL IMPROVEMENTS PROGRAM



**WATER IMPROVEMENT  
WASTEWATER PROJECTS**

# **Appendix G**

## **Roadway Classifications**

