Capital Projects

GEORGETOWN
EST. 1848
TEXAS
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Capital Improvement Plan

The City of Georgetown annually updates and adopts a five-year Capital Improvements Plan (CIP) Schedule as part of the operating budget adoption process. Needed capital improvements are identified through system models, repair and maintenance records, and growth. The City uses a team approach to prioritizing capital improvement projects, whereby City staff from all operational areas provide input and ideas relating to each project and its effect on operations, such as:

**Fire and Police Services** staff provides insight into a project's impact on emergency traffic responses, public lighting issues and other public safety concerns.

**Planning & Development** staff gives direction regarding new development and the infrastructure needs relating to this growth.

Other utility departments, such as the **Transportation, Energy and Water Services Departments**, exchange information regarding each project and coordinated timing of many of the related projects in an effort to create less inconvenience for the citizens affected.

The timeline for the CIP planning process is outlined below:

![Timeline Diagram]

By using this team approach, the City develops cooperation among the departments, identifies potential problem areas, and prioritizes financing issues.

### 2011 / 12 Capital Improvement Summary (in thousands)

**Project Costs**
- Georgetown Utility Systems
  - Water Services: $7,214
  - Transportation Services: $3,538
  - Energy Services: $3,395
  - AM/FIS: $1,750
  - General Government: $3,217
- Debt Issuance Cost: $173
- **Total Project Cost**: $19,287

### 2011 / 12 Capital Improvement Summary (in thousands)

**Funding**
- Operating Revenue: $9,368
- Street Maintenance Sales Tax: $1,582
- Fund Balance / Roll Forward: $997
- Utility Revenue Debt: $2,200
- Certificates of Obligation: $1,380
- General Obligation Bonds: $2,500
- Impact Fees: $1,100
- Interest & Other: $550
- **Total Funding**: $19,287

The Capital Improvements Projects (CIP) generally consists of infrastructure and related construction and do not include small capital items such as furniture, equipment and vehicles. Significant maintenance projects, such as street repairs, are not included in the capital project schedules. These maintenance type projects are not capitalized as a fixed asset and are always cash funded; therefore, they are considered operational in nature and are included in the departmental operating budget. The CIP schedules consolidate the capital spending priorities for all operating activities of the City, including all governmental and enterprise activities that provide services to the citizens of Georgetown.

The CIP Schedules are included as part of the annual operating budget. The first year of the list becomes the capital budget for the approved budget year. The following pages outline the CIP Schedule for each activity and include anticipated projects, current year project location and sources of funding.
City of Georgetown, Texas  
Capital Improvement Plan  
Operational Impacts

**Operational Impacts**

The City evaluates potential operating impacts as part of its annual CIP update process. For budgeting purposes, only those impacts that are material (generally over $25,000) are readily identifiable and measurable are included in this analysis and used for long-term financial planning purposes.

**Operational Budget Impact ('000)**

<table>
<thead>
<tr>
<th>Project</th>
<th>Basis for Estimate</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Fund Substations/Communication</td>
<td>Transformation Cost Savings</td>
<td>(85)</td>
<td>(89)</td>
<td>(328)</td>
<td>(359)</td>
<td>(359)</td>
</tr>
<tr>
<td>General CIP Fund Public Safety Facility</td>
<td>Utilities and Building Maintenance costs</td>
<td></td>
<td></td>
<td>150</td>
<td>350</td>
<td>350</td>
</tr>
<tr>
<td>Fire Station #6 &amp; #2</td>
<td>Personnel and Operations</td>
<td>173</td>
<td>680</td>
<td>700</td>
<td>720</td>
<td>720</td>
</tr>
<tr>
<td>Park Improvements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amphitheater</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>253</td>
<td>300</td>
</tr>
<tr>
<td>Westside Park</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>830</td>
</tr>
</tbody>
</table>
Water Services

Introduction

Georgetown Utility Systems Water Services Utility maintains a Capital Improvement Program (CIP) to address the community’s need for superior water, wastewater, and irrigation service. This CIP is determined by many factors including on-going annexation, service improvement, the rehabilitation of aging water and wastewater infrastructure, and the need to meet changing state and federal requirements.

The City operates three water treatment plants and five wastewater treatment plants. This table lists each plant with its current capacity. Water Services retains ownership of these plants and contracts for their operation. The City's current utilization of its water supply is 40% ground water and 60% surface water.

<table>
<thead>
<tr>
<th>Water Treatment Plants</th>
<th>MGD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake Water Plant</td>
<td>19.800</td>
</tr>
<tr>
<td>San Gabriel Park Plant</td>
<td>6.307</td>
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<tr>
<td>Southside Plant</td>
<td>3.144</td>
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<tr>
<td>Total Capacity</td>
<td>29.251</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wastewater Treatment Plants</th>
<th>MGD</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Gabriel Plant</td>
<td>2.500</td>
</tr>
<tr>
<td>Pecan Branch Plant</td>
<td>1.500</td>
</tr>
<tr>
<td>Dove Springs Plant</td>
<td>2.500</td>
</tr>
<tr>
<td>Berry Creek Plant</td>
<td>0.300</td>
</tr>
<tr>
<td>Cinnamon Hills Plant</td>
<td>0.200</td>
</tr>
<tr>
<td>Total Capacity</td>
<td>7.000</td>
</tr>
</tbody>
</table>

Population growth within the Water Utility service area continues to drive the need for capital improvement. The City of Georgetown's water and wastewater demand is projected to grow by approximately 15% over the next five years. The five year plan includes plans to expand the capacity of the water treatment system to meet peak demand.

Wastewater flows are also anticipated to grow by approximately 18% over the next five years. City staff continues to look for ways to improve services within the current infrastructure, and thus delay plant expansions if at all possible.

Growth

Age

One of the greatest issues facing Water Services is the replacement of older water and wastewater system mains. The City of Georgetown has been providing water and wastewater service for over one hundred years. Some of the early infrastructure has exceeded its useful life and requires extensive repair or replacement to continue the delivery of reliable service to the community.

The Wastewater improvements being recommended continue the rehabilitation of sanitary sewer mains that may be experiencing inflow and infiltration throughout the City. An aggressive sanitary sewer main improvement program eliminates the potential for Sanitary Sewer Overflows (SSO) and allows for the delivery of reliable wastewater service to the community.

Regulatory Changes

The City of Georgetown is subject to requirements of the Edwards Aquifer Recharge Zone (EARZ) rules because 98% of the City is over the Edwards Aquifer Recharge Zone. The regulatory requirements of the Texas Commission on Environmental Quality (TCEQ) require testing of at least 20% of the collection system every year, thus testing the entire system every 5 years. The testing is included in the Wastewater CIP program. Once problems are identified, the City has twelve (12) months to make repairs. A significant portion of the capital budget for the Wastewater Utility is dedicated for inspection and repair of existing mains.
City of Georgetown, Texas
Water Services Capital Improvement Program
2011/12 to 2015/16

The City's five year Capital Improvement Program funding comes from a combination of cash, debt funding, and capital recovery fees. Actual amount of debt issues will be determined upon each individual year's consideration of actual resources available, coverage requirement and other considerations.

In 2010, the City updated its impact fees. The new maximum fees are $4,714 for water and $1,694 for wastewater and $5,240 for wastewater in the South Fork basin. The City Council set the current fees at $3,511 for water and $1,694 for wastewater and $2,927 for wastewater in the South Fork basin.

<table>
<thead>
<tr>
<th></th>
<th>2011/12</th>
<th>2012/13</th>
<th>2013/14</th>
<th>2014/15</th>
<th>2015/16</th>
<th>Total</th>
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<tr>
<td><strong>Projected Annual Project Cost</strong></td>
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<td></td>
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<td></td>
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<tr>
<td>Water</td>
<td>$3,485</td>
<td>$3,866</td>
<td>$8,065</td>
<td>$3,155</td>
<td>$4,901</td>
<td>$21,452</td>
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<tr>
<td>Wastewater</td>
<td>$3,749</td>
<td>$2,606</td>
<td>$9,448</td>
<td>$6,319</td>
<td>$3,835</td>
<td>$25,957</td>
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<tr>
<td>Debt Issuance Cost</td>
<td>$20</td>
<td>$0</td>
<td>$218</td>
<td>$85</td>
<td>$162</td>
<td>$485</td>
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<td><strong>Sources of Funding</strong></td>
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<td></td>
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<tr>
<td>Operating Revenue/ Bond Proceeds</td>
<td>$3,584</td>
<td>$4,922</td>
<td>$9,074</td>
<td>$5,937</td>
<td>$3,442</td>
<td>$26,959</td>
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<tr>
<td>Utility Revenue Debt</td>
<td>$2,200</td>
<td>$0</td>
<td>$4,842</td>
<td>$1,896</td>
<td>$3,604</td>
<td>$12,542</td>
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<tr>
<td>Impact Fees</td>
<td>$1,100</td>
<td>$1,200</td>
<td>$1,236</td>
<td>$1,273</td>
<td>$1,311</td>
<td>$6,120</td>
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<tr>
<td>Interest &amp; Other</td>
<td>$350</td>
<td>$350</td>
<td>$579</td>
<td>$453</td>
<td>$541</td>
<td>$2,273</td>
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Combined 5 Year Estimated Funding Sources
## City of Georgetown, Texas
### Water Capital Improvement Program
#### 2011/12 to 2015/16

<table>
<thead>
<tr>
<th>Project</th>
<th>Prior Year</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Thousands of dollars)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Current Projects:</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Water Mains</td>
<td>4,126</td>
<td>3,465</td>
<td>3,074</td>
<td>2,553</td>
<td>1,976</td>
<td>4,227</td>
</tr>
<tr>
<td>Pump and Storage Upgrades</td>
<td></td>
<td></td>
<td>792</td>
<td>3,512</td>
<td>1,179</td>
<td>674</td>
</tr>
<tr>
<td>AMI</td>
<td></td>
<td></td>
<td>2,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>4,126</td>
<td>3,465</td>
<td>3,866</td>
<td>6,065</td>
<td>3,155</td>
<td>4,901</td>
</tr>
</tbody>
</table>

### Water Capital Project Cost

![Water Capital Project Cost Chart](chart.png)
Project List

1. Virginia Street
2. Paige Street
3. North Side Old Town
4. 17th St and Austin Ave
5. Tin Barn Alley
6. South Austin Ave
7. West Loop
**City of Georgetown, Texas**  
**Capital Improvement Program**

**Water Mains**

**Responsible Division:** Water Services

### Financial Plan (thousands of dollars):

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,126</td>
<td>3,465</td>
<td>3,074</td>
<td>2,553</td>
<td>1,976</td>
<td>4,227</td>
<td>19,421</td>
</tr>
</tbody>
</table>

**Description:**
Project entails replacement of water lines in the service area to improve firefighting capabilities and eliminate aged, undersized lines. Replacement of lines is coordinated with the Street Department CIP program to replace water lines prior to or during street rehabilitation to minimize the impact of maintenance on upgraded streets.

**Estimated Project Cost (000):**
- Construction: 16,890
- Design: 2,531
- Preconstruction: -
- Other: -
- **Total: $19,421**

**Funding Sources:**
Funded by cash from operations

### Subprojects (000):

<table>
<thead>
<tr>
<th>Subproject Description</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water- Street Rehab</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paige</td>
<td>101</td>
<td>173</td>
<td>34</td>
<td>247</td>
<td>146</td>
</tr>
<tr>
<td>N. Side Old Town</td>
<td>18th to 20th</td>
<td>16</td>
<td>132</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tin Barn Alley</td>
<td>8th to 9th</td>
<td>61</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17th &amp; Austin Water</td>
<td>17th to 16th</td>
<td>104</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S. Austin Ave.</td>
<td>21st to Industrial Ave</td>
<td>730</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>West Loop (h-1b) Ph I</td>
<td>Innerspace to Thousand Oaks</td>
<td>408</td>
<td>1,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City Landfill Water</td>
<td>College St to WL Walden</td>
<td>171</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rabbit Hill Water (RH-1)</td>
<td>Cr. 118 to Rabbit Hill Est</td>
<td>730</td>
<td>2,071</td>
<td></td>
<td></td>
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<tr>
<td>DB Wood to WR H-1a</td>
<td>DB Wood to Wolf Ranch</td>
<td>448</td>
<td>1,729</td>
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<tr>
<td>Lakeway to Sh195</td>
<td>Lakeway to SH 195</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others as determined</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>AMI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2,000</td>
</tr>
</tbody>
</table>

**Operating Budget Impact (000):**

<table>
<thead>
<tr>
<th>Basis for Estimate</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Minimal operational impacts</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
City of Georgetown, Texas  
Capital Improvement Program

**Pump and Storage Upgrades**

**Responsible Division:** Water Services

**Financial Plan (thousands of dollars):**

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>792</td>
<td>3,512</td>
<td>1,179</td>
<td>674</td>
<td></td>
<td>6,157</td>
</tr>
</tbody>
</table>

**Description:**
Future projects consists of tank maintenance and pump station upgrades

**Estimated Project Cost (000):**
- Construction: 5,240
- Design: 917
- Preconstruction: 97
- Other: 13
- Total: 6,157

**Funding Sources:**
Funded by cash from operations, utility revenue bonds and impact fees.

**Subprojects (000):**

<table>
<thead>
<tr>
<th>Subproject</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rabbit Hill EST</td>
<td>252</td>
<td>1,500</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>James Street EST</td>
<td>440</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Park WTP Clearwell</td>
<td>100</td>
<td>1,800</td>
<td></td>
<td>212</td>
<td>1,179</td>
</tr>
<tr>
<td>Lake WTP 980' PS</td>
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<tr>
<td>Park WTP PS</td>
<td>458</td>
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<td></td>
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<tr>
<td>Southeast EST</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Operating Budget Impact (000):**

**Basis for Estimate:**
Minimal operational impacts

**Notes:**
City of Georgetown, Texas  
Wastewater Capital Improvement Program  
2011/12 to 2015/16

<table>
<thead>
<tr>
<th>Project</th>
<th>Prior Year</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wastewater Interceptors</td>
<td>2,602</td>
<td>1,468</td>
<td>2,137</td>
<td>4,891</td>
<td>2,546</td>
<td>1,200</td>
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<tr>
<td>Pumping Upgrades</td>
<td>387</td>
<td>1,013</td>
<td>469</td>
<td>1,034</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>Plant Upgrades</td>
<td>1,268</td>
<td>3,523</td>
<td>3,523</td>
<td>2,385</td>
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<td></td>
</tr>
</tbody>
</table>

Totals: $2,989 $3,749 $2,606 $9,448 $6,319 $3,835

Wastewater Capital Project Cost

[Graph showing project costs over years]
C.I.P. 2011-2012
Wastewater Improvements

Project List
1. Virginia Street
2. Peach Tree Lane
3. Tin Barn Alley
4. Pecan Branch WWTP Upgrade
5. Sun City LS 4th Pump

- Citywide projects not shown on map
  Wastewater Line Upgrades
  Lift Station Upgrades
  EARZ

May 2011
City of Georgetown, Texas  
Capital Improvement Program  

Wastewater Interceptors

Responsible Division: Water Services

<table>
<thead>
<tr>
<th>Financial Plan (thousands of dollars):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior Years</td>
</tr>
<tr>
<td>-------------</td>
</tr>
<tr>
<td>2,802</td>
</tr>
</tbody>
</table>

Description:
Project entails replacement of wastewater lines in the service area to improve flow and eliminate aged, undersized lines. Replacement of lines is coordinated with the Street Department CIP program to replace wastewater lines prior to or during street rehabilitation to minimize the impact of maintenance on upgraded streets. EARZ rehabilitation and the demand on the budget leave only a small amount of funds to be set aside for projects that have not specifically been identified.

Estimated Project Cost (000):
- Construction: 12,620
- Design: 2,224
- Preconstruction
- Other

Total: $14,844

Funding Sources:
Funded with cash from operations.

Subprojects (000):
<table>
<thead>
<tr>
<th>Subprojects</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tin Barn Alley 8th to 9th</td>
<td>61</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>EARZ</td>
<td>1,000</td>
<td>1,000</td>
<td>1,000</td>
<td>1,000</td>
<td>1,000</td>
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<tr>
<td>Wastewater - street projects</td>
<td>276</td>
<td>85</td>
<td>144</td>
<td>136</td>
<td>200</td>
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<tr>
<td>Olive Street Wastewater</td>
<td>180</td>
<td>1,200</td>
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<tr>
<td>S. San Gabriel Int. 2 &amp; 3</td>
<td>384</td>
<td>1,543</td>
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<td>S. Interceptor 1 &amp; 4</td>
<td>323</td>
<td>1,004</td>
<td>112</td>
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<tr>
<td>S. IH 35 Force Main Innerspace to Thousand Oaks</td>
<td>131</td>
<td>165</td>
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Operating Budget Impact (000):

Basis for Estimate: Minimal Operational impacts

Notes:
City of Georgetown, Texas  
Capital Improvement Program

**Plant Upgrades**

**Responsible Division:** Water Services

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Projected Budget</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>11/12</td>
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<tr>
<td></td>
<td>1,268</td>
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</table>

**Financial Plan (thousands of dollars):**

**Description:**
This project is to satisfy the TCEQ rule of 80% capacity. The Pecan Branch WWTP will be expanded by 1.5MG to meet the compliance of the current capacity and future growth. Future projects consist of other capacity improvements and/or the new Northlands Wastewater Treatment Plant (WWTP).

**Estimated Project Cost (000):**
- Construction: 9,100
- Design: 1,599
- Preconstruction: 
- Other: 
- Total: $10,699

**Funding Sources:**
Funded with cash from operations and impact fees.

**Subprojects (000):**

<table>
<thead>
<tr>
<th></th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pecan Branch WWTP Expansion</td>
<td>1,268</td>
<td>3,523</td>
<td>3,523</td>
<td>754</td>
<td>1,631</td>
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<tr>
<td>Cimarron Hill WWTP Expansion</td>
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<td>Northlands WWTP</td>
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**Operating Budget Impact (000):**
- *Basis for Estimate*
- Minimal operational impacts

**Notes:**
City of Georgetown, Texas
Capital Improvement Program

**Pumping Upgrades**

**Responsible Division:** Water Services

**Financial Plan (thousands of dollars):**

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
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<th>14/15</th>
<th>15/16</th>
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<tr>
<td></td>
<td>387</td>
<td>1,013</td>
<td>469</td>
<td>1,034</td>
<td>250</td>
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</table>

**Description:**
Project is a multi-year project to upgrade or decommission the City's 33 lift stations. Included are control panel upgrades, SCADA and fiber upgrades, pump upgrades, emergency diesel installation, installation of safety grates, etc.

![Image of a pump station]

**Estimated Project Cost (000):**
- Construction: 2,890
- Design: 513
- Preconstruction
- Other
- Total: $3,403

**Funding Sources:**
Funded with cash from operations.

**Subprojects (000):**

<table>
<thead>
<tr>
<th>Project</th>
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<tr>
<td>Sun City LS 4th Pump</td>
<td>763</td>
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<tr>
<td>Lift Station Upgrades</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
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<tr>
<td>Stonehedge LS &amp; FM</td>
<td>23</td>
<td>127</td>
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<td>Westinghouse LS &amp; FM</td>
<td>196</td>
<td>657</td>
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**Operating Budget Impact (000):**

<table>
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<th>Basis for Estimate</th>
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<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
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<tr>
<td>Minimal operational impacts</td>
<td></td>
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<td></td>
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</table>

**Notes:**

225
Transportation Services

Introduction

Transportation Services manages, maintains and repairs City streets and right-of-way. Some of the additional responsibilities of the Street Department include traffic control, emergency response operations, special events, and assistance in code enforcement. Daily responsibilities include inspection of roadways for sign repair, pavement management and removal of sight obstructions. Transportation Services has experienced a growth in demand for maintenance and rehabilitation of the City’s roadway system.

The Street Department Capital Improvement Budget includes maintenance and rehabilitation of the City’s roadway system and support of new transportation construction projects. Funding for maintenance and rehabilitation from the City’s General Fund is approximately $873,000 annually.

Street Maintenance Sales Tax

In November 2002, voters passed a quarter-cent sales tax increase that became effective April 1, 2003. Proceeds from the new tax can only be used to make improvements to streets in existence at the time of the election and cannot be used for construction of new streets. Revenues from this tax equal approximately $1.9 million per year for maintenance and rehabilitation of City streets. The tax was reauthorized by voters in November 2010; the tax will be brought back to the voters for reauthorization in November 2014.

Georgetown Transportation Enhancement Corporation

In May 2001, voters approved a 4B half-cent sales tax for transportation improvements that provide economic benefit to the community. The 4B is known as the Georgetown Transportation Enhancement Corporation (GTEC). GTEC approves projects funded through this sales tax.

Overall Transportation Improvement Plan

The City adopted its Transportation Plan (OTP) to guide the City’s growth and development, a revision to the OTP is currently underway. It is through this plan that future road construction is projected. As part of this process, The Georgetown Transportation Advisory Board (GTAB) recommends potential projects to GTEC and the GTEC board approves its annual Transportation Improvement Plan (TIP) which includes projects identified in the City’s overall Transportation Plan that meet the GTEC eligibility requirements. The TIP is a five-year projection and is updated annually with year one being the annual GTEC budget this is approved by the City Council.

The OTP is reviewed by Georgetown Transportation Advisory Board (GTAB) who makes recommendations to the City Council. In November 2008, voters authorized $46 million of General Obligation debt to be issued for road improvements. Of this authorization, approximately $12 million has been issued.
Historic Downtown

In the past few years, several rehabilitation and maintenance projects have focused on the Historic Downtown Square Area. The City will continue efforts to maintain and rehabilitate Historic Georgetown, as well as keep pace with the growth of our community.

GASB 34 – Modified Approach

The Governmental Accounting Standards Board Statement Number 34 allows for an alternative to depreciation expense for certain infrastructure, termed the modified approach. The following conditions must be met:

- The government manages the eligible assets using an asset management system to:
  - Keep an up-to-date asset inventory,
  - Perform condition assessments and report the results on a measurement scale, and
  - Estimate the annual amount to maintain and preserve the eligible infrastructure assets at the condition level established and disclosed by the government.

- The government must document that the eligible assets are being preserved approximately at or above the condition level established and disclosed by the government.

The City completed its inventory and implemented its pavement management information system in February 2005. The initial assessment rated Georgetown's street condition as "good" with a 90 pavement condition index. The Council has directed staff to incorporate a policy to maintain a minimum average PCI of 85. Current funding should adequately fund that level of PCI within Georgetown for near future. The PCI for fiscal year 2008 was 93. Growth factors, including the construction of major roads, such as Inner Loop, could impact that condition over time. The update to the Pavement Management will be completed by late summer 2011.
City of Georgetown, Texas
Transportation Capital Improvement Program
2011/12 to 2015/16

The capital budget includes major rehabilitation of the City’s roadway systems. In November 2002, voters first approved a quarter cent sales tax for maintenance of existing City streets. This sales tax revenue provides the majority of funding for street rehabilitation projects. The quarter cent sales tax must be reauthorized by the voters every four years, most recently in November 2010.

<table>
<thead>
<tr>
<th></th>
<th>2011/12</th>
<th>2012/13</th>
<th>2013/14</th>
<th>2014/15</th>
<th>2015/16</th>
<th>Total</th>
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<tr>
<td><strong>Projected Annual Project Cost</strong></td>
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<tr>
<td>Street Maintenance Sales Tax</td>
<td>$1,582</td>
<td>$1,521</td>
<td>$1,095</td>
<td>$1,217</td>
<td>$1,150</td>
<td>$6,565</td>
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<td>General Obligation Bonds</td>
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<td>$3,750</td>
<td>$1,500</td>
<td>$3,000</td>
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<td>General Fund &amp; Other</td>
<td>$0</td>
<td>$649</td>
<td>$573</td>
<td>$580</td>
<td>$450</td>
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**Combined 5 Year Estimated Funding Sources**

[Diagram showing the distribution of funding sources]
City of Georgetown, Texas
Transportation Capital Improvement Program
2011/12 to 2015/16

<table>
<thead>
<tr>
<th>Project</th>
<th>Prior Year</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Thousands of dollars)</td>
<td></td>
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<tr>
<td><strong>Current Projects:</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Rejuvenate</td>
<td>204</td>
<td>501</td>
<td>45</td>
<td>45</td>
<td>45</td>
<td></td>
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<tr>
<td>Microsurface</td>
<td>842</td>
<td>499</td>
<td>802</td>
<td>500</td>
<td>500</td>
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<tr>
<td>Street Overlay</td>
<td>218</td>
<td>582</td>
<td>674</td>
<td>550</td>
<td>672</td>
<td>1,150</td>
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<td>Street Rehabilitation</td>
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<td><strong>Transportation Improvement Plan (TIP)</strong></td>
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<tr>
<td>Williams Drive Widening with WILCO</td>
<td>1,700</td>
<td></td>
<td>1,200</td>
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<td></td>
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<tr>
<td>103 &amp; SE1 road connector</td>
<td></td>
<td></td>
<td>5,250</td>
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<td></td>
<td></td>
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<tr>
<td>SW Bypass- Leander to IH35</td>
<td></td>
<td></td>
<td>1,250</td>
<td></td>
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<td></td>
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<tr>
<td>FM 971 @ Austin Ave</td>
<td></td>
<td>500</td>
<td></td>
<td>750</td>
<td>1,500</td>
<td></td>
</tr>
<tr>
<td>FM 1480/Quail Valley to Inner loop</td>
<td>2,500</td>
<td></td>
<td></td>
<td>1,500</td>
<td>1,500</td>
<td></td>
</tr>
<tr>
<td><strong>GTEC/GTAB</strong></td>
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<td></td>
</tr>
<tr>
<td>SW Bypass- Leander to IH35</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3,000</td>
<td></td>
</tr>
<tr>
<td>FM 1480/Quail Valley to Inner loop</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Totals</strong></td>
<td>12,464</td>
<td>$2,782</td>
<td>$5,271</td>
<td>$2,595</td>
<td>$4,217</td>
<td>$1,150</td>
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</table>

**Streets Capital Project Cost**

[Graph showing capital project cost from 06/07 to 15/16]
Project List

1. Rejuvenator
2. Overlay/
   Surface Treatment
3. Microsurface
Project List
1. E. 13th Street
2. Peach Tree Lane
3. E. 14th Street
   (Maple St to Olive St)
4. E. 14th Street
   (Myrtle St to College St)
5. Virginia Street
   (E 16th St to 19 th St)
City of Georgetown, Texas  
Capital Improvement Program

**Microsurface**

<table>
<thead>
<tr>
<th>Responsible Division:</th>
<th>Street Department</th>
</tr>
</thead>
</table>

**Financial Plan (thousands of dollars):**

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>Projected 12/13</th>
<th>Projected 13/14</th>
<th>Projected 14/15</th>
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<tbody>
<tr>
<td></td>
<td>499</td>
<td>802</td>
<td>500</td>
<td>500</td>
<td></td>
<td>2,301</td>
</tr>
</tbody>
</table>

**Description:**

Microsurface treatment is a paving system that begins as a coarse liquid application of dense-grade aggregate, asphalt emulsion, water and mineral fillers. The quick-setting emulsion allows traffic to begin using the new surface in a short time. As the product cures, the surface becomes smoother. The finished sealant forms a thin shell over the street's existing asphalt surface, extending the life of the underlying pavement.

**Estimated Project Cost (000):**

- Construction: 1,956
- Design: 345
- Preconstruction: Other
- Total: $2,301

**Funding Sources:**

Funded with Street Maintenance Sales Tax

**Subprojects (000):**

<table>
<thead>
<tr>
<th>Subproject</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsurface 2011-12</td>
<td>499</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microsurface 2012-13</td>
<td></td>
<td>802</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microsurface 2013-14</td>
<td></td>
<td></td>
<td>530</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microsurface 2014-15</td>
<td></td>
<td></td>
<td></td>
<td>500</td>
<td></td>
</tr>
</tbody>
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**Operating Budget Impact (000):**

**Basis for Estimate**

Minimal operational impacts

**Notes:**
City of Georgetown, Texas
Capital Improvement Program

Rejuvenate

<table>
<thead>
<tr>
<th>Responsible Division:</th>
<th>Street Department</th>
</tr>
</thead>
</table>

Financial Plan (thousands of dollars):

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
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<tr>
<td>204</td>
<td>501</td>
<td>45</td>
<td>45</td>
<td>45</td>
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<td>840</td>
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</table>

Description:
Application to asphalt pavement to provide ultraviolet protection and seal minute cracks and pavement flaws. Restores a uniform dark asphalt color to pavement covering the squeegee lines left after crack sealing. This process applied to pavement in moderately good condition can prolong the need for more costly applications.

Estimated Project Cost (000):
- Construction: 714
- Design: 126
- Preconstruction: 
- Other: 
- Total: $840

Funding Sources:
Funded with Street Maintenance Sales Tax

Subprojects (000):
- Rejuvenator 2011-12: 501
- Rejuvenator 2012-13: 45
- Rejuvenator 2013-14: 45
- Rejuvenator 2014-15: 45

Operating Budget Impact (000):
- Basis for Estimate: Minimal operational impact

Notes:
City of Georgetown, Texas  
Capital Improvement Program

Street Overlay

Responsible Division: Street Department

Financial Plan (thousands of dollars):

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget</th>
<th>Projected</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>11/12</td>
<td>12/13</td>
<td>13/14</td>
</tr>
<tr>
<td></td>
<td>582</td>
<td>674</td>
<td>550</td>
</tr>
</tbody>
</table>

Description:
Streets listed as subprojects under "Maintenance" were identified as being in most need of surface treatments with only minor repairs to roadways. Asphalt overlaying and slurry sealing streets provides for improved driving surface and are highly cost effective ways to avoid expensive repairs or reconstruction. These subprojects are funded by the quarter of a cent sales tax.

Estimated Project Cost (000):
- Construction 3,084
- Design 544
- Preconstruction
- Other
- Total 3,628

Funding Sources:
Funded with Street Maintenance Sales Tax

Subprojects (000):

<table>
<thead>
<tr>
<th>Streets overlay 2011-12</th>
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<th>12/13</th>
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</thead>
<tbody>
<tr>
<td>Streets overlay 2012-13</td>
<td></td>
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<tr>
<td>Streets overlay 2013-14</td>
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<td></td>
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<tr>
<td>Streets overlay 2014-15</td>
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<td></td>
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<tr>
<td>Streets overlay 2015-16</td>
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<tr>
<td>Surface treatment</td>
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Operating Budget Impact (000):

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<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
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Notes:
### Responsible Division:
Street Department

### Financial Plan (thousands of dollars):

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<th>Prior Years</th>
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<th>13/14</th>
<th>14/15</th>
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<th>Total</th>
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<tbody>
<tr>
<td></td>
<td>463</td>
<td>649</td>
<td>573</td>
<td>580</td>
<td>450</td>
<td>2,715</td>
</tr>
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### Description:
Streets listed as subprojects under "Rehabilitation" were identified as being in most need of repair or rehabilitation because of their asphalt and subgrade failures, drainage problems and deteriorating curbs. Subgrade stabilization, valley gutter installation and curb and gutter addition or replacement are combined with surface treatments to bring the pavement condition back into the high 90s.

### Estimated Project Cost (000):

- Construction: 2,308
- Design: 407
- Preconstruction: Other
- Total: $2,715

### Funding Sources:
Funded with General Fund and Steets Maintenance sales tax.

### Subprojects (000):

<table>
<thead>
<tr>
<th>Subproject</th>
<th>11/12</th>
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<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
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<tbody>
<tr>
<td>E 13th St</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Peach Tree Ln</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14th St</td>
<td>Maple to Olive St</td>
<td>58</td>
<td>61</td>
<td></td>
<td></td>
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<tr>
<td>E. 14th St</td>
<td>Myrtle to College St</td>
<td>150</td>
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<td></td>
<td></td>
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<tr>
<td>Virginia St</td>
<td>E. 16th St to E. 19th St</td>
<td></td>
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</tr>
<tr>
<td>W. 18th St</td>
<td>S. Main St to S Austin Ave</td>
<td></td>
<td>75</td>
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<td>W. 21st</td>
<td>S. Austin Ave to Leander St</td>
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<td>Railroad Ave</td>
<td>W. 10th St to W. University</td>
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<td>9th St</td>
<td>MLK Jr to S. Main St</td>
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<td>309</td>
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<td>2nd St</td>
<td>Austin Ave to Pine St</td>
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<td>300</td>
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<td>W. 4th St</td>
<td>Rock St. to Church St</td>
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<td>165</td>
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<tr>
<td>W. 10th</td>
<td>Main St to Austin Ave</td>
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<td>W. 11th St</td>
<td>Main St to Rock St.</td>
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<td>Others as Determined</td>
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### Operating Budget Impact (000):

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<tbody>
<tr>
<td>Minimal operational impacts</td>
<td></td>
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</table>
City of Georgetown, Texas  
Capital Improvement Program

**Transportation Improvements Plan (GTEC/GTAB)**

<table>
<thead>
<tr>
<th>Responsible Division:</th>
<th>Street Department</th>
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**Financial Plan (thousands of dollars):**

<table>
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<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
<th>Total</th>
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<tr>
<td></td>
<td>2,820</td>
<td>3,000</td>
<td></td>
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<td>5,820</td>
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</tbody>
</table>

**Description:**
The transportation improvement plan project are those recommended by the GTEC board to design, purchase ROW, or build system improvements for the continued economic development of the community.

**Estimated Project Cost (000):**
- Construction: 4,948
- Design: 872
- Preconstruction: 872
- Other: 872

**Total: $5,820**

**Funding Sources:**
Funded with Street Maintenance Sales Tax

**Subprojects (000):**

<table>
<thead>
<tr>
<th>Subproject</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
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<tbody>
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<td>820</td>
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<tr>
<td>FM 1450/Quail Valley to Inner Loop</td>
<td>2,000</td>
<td>3,000</td>
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**Operating Budget Impact (000):**

<table>
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<th>Basis for Estimate</th>
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<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
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<tbody>
<tr>
<td>Minimal operational impacts</td>
<td></td>
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</table>

**Notes:**
City of Georgetown, Texas
Capital Improvement Program

Transportation Improvements Plan (Bond Funded)

Responsible Division: Street Department

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>11,200</td>
<td>1,200</td>
<td>750</td>
<td>1,500</td>
<td>3,000</td>
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<td>17,850</td>
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**Description:**
The FM 971 and FM 1460 projects are engineering design and right-of-way acquisition projects intended to move important TxDOT projects forward while the State awaits construction dollars. If funds are saved in design or ROW acquisition, priority intersection improvements may be initiated in advance of full lane construction.

**Estimated Project Cost (000):**
- Construction: 15,348
- Design: 2,302
- Preconstruction: 
- Other: 

Total: $17,650

**Project Schedule:**
- Design: Fall
- Bid: Spring
- Construction:

**Funding Sources:**
Funded with General Obligation bonds.

**Subprojects (000):**

<table>
<thead>
<tr>
<th>Subproject</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Williams Drive Widening with WILCO</td>
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<td>1,200</td>
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<tr>
<td>FM 971 @ Austin Ave</td>
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<td>750</td>
<td>1,500</td>
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<tr>
<td>FM 1460/ Quail Valley to Inner loop</td>
<td></td>
<td></td>
<td>1,500</td>
<td>1,500</td>
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**Operating Budget Impact (000):**

<table>
<thead>
<tr>
<th>Basis for Estimate</th>
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<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
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</thead>
<tbody>
<tr>
<td>Minimal operational impacts</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Notes:
Stormwater Drainage Utility

Introduction

The Stormwater Drainage Utility manages and maintains stormwater infrastructure operations and facilities. Some of the additional responsibilities of the Stormwater Drainage Utility are assisting other Divisions in City code enforcement. Daily responsibilities include drainage and flood control when needed, right-of-way mowing and cleaning, street sign maintenance and street cleaning operations.

The Stormwater Drainage Utility has been focusing on meeting the Environmental Protection Agency's (EPA) Phase II regulations and requirements regarding stormwater control in municipalities. Even though current belief is for Georgetown to not be under the phase II regulations until 2011, the City is working to be compliant prior to the mandate.

The 2011/12 Five Year Capital Improvement Plan (CIP) includes projects aimed at improving stormwater drainage, erosion control and the compilation of stormwater assets. The Maple Street Ditches project will adequately size drainage structures stormwater run-off.
City of Georgetown, Texas
Stormwater Capital Improvement Program
2011/12 to 2015/16

The City will be determining a source of revenue to fund the EPA Phase II regulations, the Regional Stormwater Plan, and other requirements regarding stormwater control within municipalities. The most likely revenue source is through a combination of stormwater fees and developer fees paid in-lieu of onsite

<table>
<thead>
<tr>
<th></th>
<th>2011/12</th>
<th>2012/13</th>
<th>2013/14</th>
<th>2014/15</th>
<th>2015/16</th>
<th>Total</th>
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<tbody>
<tr>
<td><strong>Projected Annual Project Cost</strong></td>
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<td>$750</td>
<td>$565</td>
<td>$400</td>
<td>$400</td>
<td>$2,771</td>
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<td><strong>Sources of Funding</strong></td>
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<tr>
<td>Operating Revenue</td>
<td>$656</td>
<td>$750</td>
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<td>$400</td>
<td>$2,771</td>
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Combined 5 Year Estimated Funding Sources
# City of Georgetown, Texas
## Stormwater Capital Improvement Program
### 2011/12 to 2015/16

<table>
<thead>
<tr>
<th>Project</th>
<th>Prior Years</th>
<th>11/12</th>
<th>12/13</th>
<th>Projected</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
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<tbody>
<tr>
<td>(Thousands of dollars)</td>
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<tr>
<td><strong>New Projects:</strong></td>
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<td>Curb and Gutter Replacements</td>
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<td>465</td>
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<td>300</td>
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<td>Maple Street Ditches</td>
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<td></td>
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<tr>
<td>Stormwater Infrastructure Upgrades</td>
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<td>7th and 9th Street Stormdrain</td>
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<td>Maple Street Culvert</td>
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<tr>
<td>Oak Tree Dr Bridge</td>
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<tr>
<td>Railroad Drainage</td>
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<td>Church Hills Farms</td>
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<tr>
<td>Eubank Drainage Improvement</td>
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<td>Northwest @ IH35</td>
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<td>18th &amp; Pine</td>
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<td></td>
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<td></td>
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</tbody>
</table>

**Totals**

$2,780 $656 $750 $565 $400 $400

### Stormwater Capital Project Cost

![Stormwater Capital Project Cost Graph](image)

240
City of Georgetown, Texas
Capital Improvement Program

Curb and Gutter Replacements

<table>
<thead>
<tr>
<th>Responsible Division:</th>
<th>Stormwater Drainage</th>
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</thead>
</table>

Financial Plan (thousands of dollars):

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>Projected</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>300</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2,165</td>
<td></td>
</tr>
</tbody>
</table>

Description:
This project will consist of replacing deteriorating stand-up curbs with curb and gutter. Stand-up curbs throughout the City will be evaluated on their condition and their potential to cause damage to roadways. The curbs identified in areas with the poorest drainage are most likely to contribute to road damage. These curbs will be targeted for replacement. These replacements will save the City from having to perform much more costly street rehabilitation.

Estimated Project Cost (000):

- Construction: 1,815
- Design: 325
- Preconstruction: 25
- Other: 25

Total: $2,165

Funding Sources:
Funded with cash from Drainage Utility

Subprojects (000):

<table>
<thead>
<tr>
<th></th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curb and Gutter Replacement</td>
<td>300</td>
<td>500</td>
<td>300</td>
<td>300</td>
<td>300</td>
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<tr>
<td>W 4th St</td>
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</table>

Operating Budget Impact (000):

Basis for Estimate

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<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimal operational impacts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
City of Georgetown, Texas
Capital Improvement Program

Maple Street Ditches

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
<th>Total</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>356</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Responsible Division: Stormwater Drainage

Description:
Channel improvements and drainage stabilization on Maple Street, located North of the West Fork of Smith Branch. Project will be completed in coordination with sidewalk improvements planned through the CDBG program.

Estimated Project Cost (000):

- Construction: 261
- Design: 50
- Preconstruction: 25
- Other: 25
- Total: $356

Funding Sources:
Funded with cash from Drainage Utility

Subprojects (000):

<table>
<thead>
<tr>
<th>Curb and Gutter Replacement</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
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<tr>
<td></td>
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Operating Budget Impact (000):

<table>
<thead>
<tr>
<th>Basis for Estimate</th>
<th>10/11</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimal operational impact</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
Airport Services

Introduction

Airport Services manages, maintains and repairs City airport. Some of the additional responsibilities of the airport department include traffic control, emergency response operations and special events. Daily responsibilities include inspection of runways for sign repair, pavement management and removal of sight obstructions. Airport Services has experienced a growth in demand for maintenance and rehabilitation of the City's runway system.
City of Georgetown, Texas
Airport Capital Improvement Program
2011/12 to 2015/16

The Airport five year Capital Improvement Program funding comes from a combination of cash contributions and previous year-end excess funds.

<table>
<thead>
<tr>
<th></th>
<th>2011/12</th>
<th>2012/13</th>
<th>2013/14</th>
<th>2014/15</th>
<th>2015/16</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projected Annual Project Cost</td>
<td>$100</td>
<td>$20</td>
<td>$0</td>
<td>$35</td>
<td>$0</td>
<td>$155</td>
</tr>
<tr>
<td>Sources of Funding</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Revenues</td>
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<td>$20</td>
<td>$0</td>
<td>$35</td>
<td>$0</td>
<td>$155</td>
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Capital Project Cost

![Capital Project Cost Graph]
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<tr>
<th>Project</th>
<th>Prior Year</th>
<th>11/12</th>
<th>12/13</th>
<th>Projected</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
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<td></td>
<td></td>
<td></td>
<td>100</td>
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</tr>
<tr>
<td>Runway 1836</td>
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<td></td>
<td></td>
<td></td>
<td>20</td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>Runway 1836 Lights</td>
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<td></td>
</tr>
<tr>
<td>Runway 1836</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td>0</td>
<td>100</td>
<td>20</td>
<td>35</td>
<td></td>
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</table>
City of Georgetown, Texas
Capital Improvement Projects

Master Plan

Responsible Division: Airport

Financial Plan (thousands of dollars):

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
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</tbody>
</table>

Description:
Update to the 2005 Airport Master Plan to reaffirm or amend the Century Plan Policies, Goals and Strategies of the plan to the Vision and Mission Statements of the 2030 Plan, and to update the Short, Intermediate and Long Term Projects/Actions related to the continued maintenance and development of the airport.

Estimated Project Cost (000):
- Construction
- Design
- ROW/Easements/Land
- Other
- Total $100

Project Schedule:
- Design: To Be Determined
- Bid: To Be Determined
- Construction: To Be Determined

Funding Sources:
- Airport Fund

Subprojects:

<table>
<thead>
<tr>
<th></th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
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<tbody>
<tr>
<td>Master Plan</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Operating Budget Impact (000):

Basis for Estimate:
- Minimal operational impact

Notes:
Energy Services

Introduction

The Energy Services Utility maintains a Capital Improvement Program (CIP) to address the community’s need for superior electric service. The CIP is developed by incorporating several factors including service improvement, increased reliability, equipment aging, and extension of service within the certificated service area, regulatory changes, competition within dually certified areas, and support for economic development. The City operates and maintains an energy delivery system including seven substations and 335 miles of distribution lines consisting of both 12.5kV and 25kV. In addition to energy delivery, the Energy Services Utility operates the SCADA system, fiber-optic communications network, and the AMR system. These additional systems support collectively the electric and water utilities.

Growth

Over the past ten years, the City of Georgetown Electric distribution system has experienced rapid growth, with the addition of several new residential and commercial developments in the system’s service area. The system anticipates a continued growth of 15% in the service area over the next five years. The Capital Improvement Plan (CIP) includes projects over the next five years to add power bank additions at substations along with other substation support and modifications to address growth and reliability. Additionally, the CIP includes new extensions of overhead and underground feeders to new commercial and residential developments, system improvements projects for load and reliability control, as well as the service extensions from the existing distribution system to service new customers.

Age

To address the aging of the system, the CIP includes projects to inspect, treat or replace deteriorated poles and rehabilitate aging facilities. In 2008/09, the Utility began a long-term project to identify and rehabilitate overhead & underground facilities system wide including phased conversion of portions of its 12.5kV system to 25kV for reliability.

Regulatory Changes

The City’s electric system is subject to reliability standards of the North American Electric Reliability Council (NERC), operational control and reliability through the Electric Reliability Council of Texas (ERCOT). Due to the deregulated electric market in Texas, and the City’s status as a non-opt-in municipal retail provider, the City must continue to monitor developments in the Texas market place. The replacement of the AMR system with an AMI system will support regulatory changes related to Smart-Grid. The City has started a Conservation and Environmental department to focus on conservation within the electric utility, including the provision for capital investment in conservation-related projects.
City of Georgetown, Texas  
Energy Services Capital Improvement Program  
2011/12 to 2015/16

The City's five year Capital Improvements Program is projected to be funded through a combination of cash and debt funding, based on financial forecasting of the Electric Fund. Actual amount of debt issues will be determined upon each individual year's consideration of actual resources available, coverage requirements and other considerations.

<table>
<thead>
<tr>
<th>(Thousands of dollars)</th>
<th>2011/12</th>
<th>2012/13</th>
<th>2013/14</th>
<th>2014/15</th>
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<tr>
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<td>$14,411</td>
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Combined 5 Year Estimated Funding Sources
City of Georgetown, Texas  
Electric Capital Improvement Program  
2011/12 to 2015/16

<table>
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<tr>
<th>Project</th>
<th>Prior Year</th>
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<tr>
<td></td>
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<tr>
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<td>System Improvements</td>
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<td>System Expansion</td>
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<td>AMI/FIS</td>
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<td><strong>Totals</strong></td>
<td>5,145</td>
<td>$3,950</td>
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</table>

**Electric Capital Project Cost**

![Electric Capital Project Cost Chart](chart.png)
Energy Services
Projects in multiple locations (system wide)

- Deteriorated Pole Replacements
- Overhead Conductors and Devices
- Street Light and Traffic Signal Additions
- New Construction for Residential and Commercial Development
- Fiber Network Expansion and Replacements
- Electric System Engineering
City of Georgetown, Texas  
Capital Improvement Program  

Substations / Communication

Responsible Division: Energy Services

Financial Plan (thousands of dollars):

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>110</td>
<td>110</td>
<td>110</td>
<td>110</td>
<td>1,595</td>
</tr>
</tbody>
</table>

Description:
The cost associated with these projects are for installation of new or replacing existing power banks. This project also provides for engineering, construction and installation of devices related to operating and maintaining City’s electric Substation including SCADA upgrades.

Estimated Project Cost (000):
- Construction 1,450
- Design 145
- Preconstruction
- Other
- Total $1,595

Funding Sources:
Funded by cash from Electric Utility.

Projects (000):

<table>
<thead>
<tr>
<th></th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substations</td>
<td>860</td>
<td>13</td>
<td>13</td>
<td>13</td>
<td>13</td>
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<tr>
<td>Communication</td>
<td>295</td>
<td>97</td>
<td>97</td>
<td>97</td>
<td>97</td>
</tr>
</tbody>
</table>

Operating Budget Impact (000):

<table>
<thead>
<tr>
<th>Basis for Estimate</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transformation Cost Savings</td>
<td>(85)</td>
<td>(89)</td>
<td>(326)</td>
<td>(359)</td>
<td>(359)</td>
</tr>
</tbody>
</table>

Notes:
City of Georgetown, Texas  
Capital Improvement Program

**System Improvements**

**Responsible Division:** Energy Services

**Financial Plan (thousands of dollars):**

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1,280</td>
<td>1,690</td>
<td>1,551</td>
<td>1,223</td>
<td>880</td>
<td>7,024</td>
</tr>
</tbody>
</table>

**Description:**
These projects provide for various system improvements and modifications to the existing electric system overhead and underground main and branch feeder circuits. Projects include the replacement and modification of facilities, circuit ties for reliability improvements, voltage conversions, conductor replacement or upgrades, capacitor and sectionalization switches for system performance.

**Estimated Project Cost (000):**
- Construction: 6,385
- Design: 639
- Preconstruction: 
- Other: 
- Total: $7,024

**Funding Sources:**
Funded by cash from the Electric Utility.

**Projects (000):**

<table>
<thead>
<tr>
<th></th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Improvements</td>
<td>1,280</td>
<td>1,690</td>
<td>1,551</td>
<td>1,223</td>
<td>880</td>
</tr>
</tbody>
</table>

**Operating Budget Impact (000):**

<table>
<thead>
<tr>
<th>Basis for Estimate</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimal operational impacts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

253
City of Georgetown, Texas  
Capital Improvement Program

**System Expansion**

**Responsible Division:** Energy Services

**Financial Plan (thousands of dollars):**

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>300</td>
<td>632</td>
<td></td>
<td></td>
<td>1,892</td>
</tr>
</tbody>
</table>

**Description:**
These projects provide for various system expansions of the existing electric system overhead and underground main and branch feeder circuits. Projects include the line extensions to new developments providing new service to residences, commercial or retail business.

**Estimated Project Cost (000):**
- Construction: 1,438
- Design: 264
- Preconstruction: 120
- Other: 70

**Total** $1,892

**Funding Sources:**
Funded by cash from Electric Utility.

**Projects (000):**

<table>
<thead>
<tr>
<th></th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Expansion projects</td>
<td>960</td>
<td>300</td>
<td>632</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Operating Budget Impact (000):**

<table>
<thead>
<tr>
<th>Basis for Estimate</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimal operational impacts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
General Government Capital Improvements

The 2011/12 CIP includes funds to address Public safety issues, to create a Utility satellite office, San Gabriel park improvements and municipal court expansion. Projects and related timings are subject to change depending on Council's direction regarding department relocations.

In November 2008, voters authorized $35.5 million in general obligation bonds for Parks and Recreation Projects. The projects and related timings are being evaluated in future years. The City will issue debt for Parks and Recreation projects in 2011/2012.
City of Georgetown, Texas
General Capital Improvement Program
2011/12 to 2015/16

The Facilities five year Capital Improvement Program funding comes from a combination of cash contributions, debt funding and interest income. Actual amount of debt issues will be determined upon project timing and available and previously unallocated funds (previous year-end excess funds).

<table>
<thead>
<tr>
<th>(Thousands of dollars)</th>
<th>2011/12</th>
<th>2012/13*</th>
<th>2013/14*</th>
<th>2014/15*</th>
<th>2015/16*</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Projected Annual Project Cost</strong></td>
<td>$3,217</td>
<td>$16,500</td>
<td>$12,500</td>
<td>$6,000</td>
<td>$6,000</td>
<td>$44,217</td>
</tr>
<tr>
<td>Bond Issuance Cost</td>
<td>$150</td>
<td>$743</td>
<td>$563</td>
<td>$270</td>
<td>$270</td>
<td>$1,996</td>
</tr>
</tbody>
</table>

**Sources of Funding**

- Certificates of Obligation | $1,380  | $0       | $0       | $0       | $0       | $1,380 |
- General Obligation Bonds  | $1,390  | $16,500  | $12,500  | $6,000   | $6,000   | $42,390 |
- Transfer In/ Fund Bal.   | $597    | $743     | $563     | $270     | $270     | $2,443 |

* Five year capital improvement has not yet been adopted.
## City of Georgetown, Texas
### General Capital Improvement Projects
#### 2011/12 to 2015/16

<table>
<thead>
<tr>
<th>Project</th>
<th>Prior Year</th>
<th>11/12</th>
<th>12/13</th>
<th>Projected 13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Facilities and Equipment:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Safety Facility</td>
<td></td>
<td>2,500</td>
<td>15,000</td>
<td></td>
<td>11,500</td>
<td></td>
</tr>
<tr>
<td>Facilities CIP</td>
<td></td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Renovate City Offices</td>
<td></td>
<td>380</td>
<td>90</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Safety equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Station 5</td>
<td></td>
<td>2,500</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Station 2 remodel</td>
<td></td>
<td>1,848</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Park Improvements</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>River Trails Expansion</td>
<td></td>
<td>1,000</td>
<td>200</td>
<td>1,000</td>
<td>6,000</td>
<td>1,000</td>
</tr>
<tr>
<td>San Gabriel Park Imp</td>
<td></td>
<td>1,500</td>
<td>1,500</td>
<td></td>
<td></td>
<td>5,000</td>
</tr>
<tr>
<td>Westside Park</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td>6,848</td>
<td>3,217</td>
<td>$16,500</td>
<td>$12,500</td>
<td>$6,000</td>
</tr>
</tbody>
</table>
City of Georgetown, Texas
Capital Improvement Projects

Facilities / Equipment

Responsible Division: Facilities / Equipment

Financial Plan (thousands of dollars):

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>Projected 14/15</th>
<th>15/16</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,017</td>
<td>15,000</td>
<td>11,500</td>
<td></td>
<td></td>
<td></td>
<td>25,517</td>
</tr>
</tbody>
</table>

Description:
The Public safety facility, which includes both Police and Fire, is a 70,000 square-foot facility housing the Police department operations, a 24-hour emergency communications center, Fire department admin offices, an indoor training area w/ lockers. Plans also include a training area with a small tactical building, outdoor classroom, obstacle course for training and parking. Voter approved in May 2011.

Estimated Project Cost (000):
- Construction: 18,921
- Design: 10,596
- ROW/Easements/Land:
- Other:
- Total: $29,517

Project Schedule:
- Design: To Be Determined
- Bid: To Be Determined
- Construction: To Be Determined

Funding Sources:
- Certificates of Obligations
- General Obligation bonds
- Transfers

Subprojects:

<table>
<thead>
<tr>
<th>Subprojects</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Safety Facility</td>
<td>2,500</td>
<td>15,000</td>
<td>11,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Facilities CIP</td>
<td>47</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Renovate City offices</td>
<td>380</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Safety equipment</td>
<td>90</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Operating Budget Impact (000):

<table>
<thead>
<tr>
<th>Basis for Estimate</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utilities and Building Maintenance Costs</td>
<td>150</td>
<td>350</td>
<td>350</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
City of Georgetown, Texas
Capital Improvement Projects

Fire Stations

Responsible Division: Facilities / Equipment

Financial Plan (thousands of dollars):

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>Projected 12/13</th>
<th>Projected 13/14</th>
<th>Projected 14/15</th>
<th>Projected 15/16</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,348</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4,348</td>
</tr>
</tbody>
</table>

Description:
Situated just east of Lake Georgetown, Fire Station No. 5 serves residents and businesses in the northwest area of the City of Georgetown. This 12,137 square foot station includes three pull-through apparatus bays and accommodations for eight fire fighters, one lieutenant and one captain per shift. It will also house administrative functions for the Georgetown Fire Department until the public safety headquarters is completed. Construction of Fire Station No. 5 will also include fire training facilities, consisting of a 2,838 square feet training classroom and a four story burn tower with a footprint of 1,799 square feet.

Estimated Project Cost (000):
- Construction: 2,787
- Design: 1,561
- ROW/Easements/Land
- Other
- Total: $4,348

Project Schedule:
- Design: To Be Determined
- Bid: To Be Determined
- Construction: To Be Determined

Funding Sources:
- Certificates of Obligations
- General Obligation bonds
- Transfers

Subprojects:
Fire Station 5 rolled forward from 10/11
Fire Station 2 rolled forward from 10/11

Operating Budget Impact (000):

<table>
<thead>
<tr>
<th>Basis for Estimate</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Station Personnel &amp; Operations</td>
<td>173</td>
<td>680</td>
<td>700</td>
<td>720</td>
<td>720</td>
</tr>
</tbody>
</table>

Notes:
Will roll forward into 11/12
City of Georgetown, Texas  
Capital Improvement Program

San Gabriel Park Improvements/Festival Area

**Responsible Division:** Parks and Recreation

**Financial Plan (thousands of dollars):**

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>Budget 11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,500</td>
<td>200</td>
<td>1,500</td>
<td>1,000</td>
<td>6,000</td>
<td>6,000</td>
<td>17,200</td>
</tr>
</tbody>
</table>

**Description:** Improvements to San Gabriel Park to include a special event/festival area at the site of the old football stadium. The festival area could be used for car shows, farmers markets, concerts, etc. Other park improvements to San Gabriel Park include restrooms, parking lots, lighting and playgrounds. Funding is for design, engineering, permits, demolition and access review to have a shovel ready project.

![Project Diagram](image)

**Estimated Project Cost (000):**
- Construction: 10,320
- Design: 3,440
- Engineering: 2,580
- Other: 860
- Total: $17,200

**Project Schedule:**
- Design: To Be Determined
- Bid: To Be Determined
- Construction: To Be Determined

**Funding Sources:** Funded with General Obligation bonds.

**Subprojects:**

<table>
<thead>
<tr>
<th>Subprojects</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>River Trails expansion</td>
<td>200</td>
<td>1,500</td>
<td>1,000</td>
<td>1,000</td>
<td></td>
</tr>
<tr>
<td>San Gabriel Park Imp</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amphitheater</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Playscape</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other SG improvements</td>
<td></td>
<td>6,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Westside Park</td>
<td></td>
<td>5,000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Operating Budget Impact (000):**

<table>
<thead>
<tr>
<th>Basis for Estimate</th>
<th>11/12</th>
<th>12/13</th>
<th>13/14</th>
<th>14/15</th>
<th>15/16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ampitheater - operations</td>
<td>252,500</td>
<td>300,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Westside Park - operations</td>
<td>830,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**