

Notice of Meeting of the Governing Body of the City of Georgetown, Texas February 12, 2019

The Georgetown City Council will meet on February 12, 2019 at 3:05 PM at Council Chambers - 101 East 7th Street

The City of Georgetown is committed to compliance with the Americans with Disabilities Act (ADA). If you require assistance in participating at a public meeting due to a disability, as defined under the ADA, reasonable assistance, adaptations, or accommodations will be provided upon request. Please contact the City Secretary's Office, at least three (3) days prior to the scheduled meeting date, at (512) 930-3652 or City Hall at 808 Martin Luther King Jr. Street, Georgetown, TX 78626 for additional information; TTY users route through Relay Texas at 711.

REVISED AGENDA

Policy Development/Review Workshop -

- A Presentation and discussion of the City's Debt Program -- Leigh Wallace, Finance Director and Paul Diaz, Budget Manager
- B Presentation and discussion of the 2015 Bond Program Report -- Wesley Wright, PE, Systems Engineering Director
- C Presentation, update and discussion on the 2018/19 Unified Development Code (UDC) Amendment Review Process -- Sofia Nelson, CNU-A, Planning Director
- D Presentation and discussion of Pedestrian Roadway Crossings -- Octavio Garza, PE, Public Works Director and Josh Canter, PE, Public Works Traffic Engineer

Executive Session

In compliance with the Open Meetings Act, Chapter 551, Government Code, Vernon's Texas Codes, Annotated, the items listed below will be discussed in closed session and are subject to action in the regular session.

- E **Sec. 551.071: Consultation with Attorney**
Advice from attorney about pending or contemplated litigation and other matters on which the attorney has a duty to advise the City Council, including agenda items
 - Legal advice regarding purchase power agreements
- Sec. 551.072: Deliberations about Real Property**
 - Property Located at Inner Loop and I-35
 - Rivery TIA/Rivory Turn Lanes, Parcels 5-7, acquisition of real property -- Jim Kachelmeyer, Real Estate Services Coordinator and Travis Baird, Real Estate Services Manager
 - Sale of Property-113 E. 8th Street -- Travis Baird, Real Estate Services Manager
 - Texas Crushed Stone
- Sec. 551.086: Certain Public Power Utilities: Competitive Matters**
 - Purchase Power Update -- Jim Briggs, General Manager of Utilities
- Sec. 551.087: Deliberation Regarding Economic Development Negotiations**

- Project Deliver
- Project Big C
- Project Access

Sec. 551:074: Personnel Matters

City Manager, City Attorney, City Secretary and Municipal Judge: Consideration of the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal

- City Secretary

Adjournment

Certificate of Posting

I, Robyn Densmore, City Secretary for the City of Georgetown, Texas, do hereby certify that this Notice of Meeting was posted at City Hall, 808 Martin Luther King Jr. Street, Georgetown, TX 78626, a place readily accessible to the general public at all times, on the _____ day of _____, 2019, at _____, and remained so posted for at least 72 continuous hours preceding the scheduled time of said meeting.

Robyn Densmore, City Secretary

City of Georgetown, Texas
City Council Workshop
February 12, 2019

SUBJECT:

Presentation and discussion of the City's Debt Program -- Leigh Wallace, Finance Director and Paul Diaz, Budget Manager

ITEM SUMMARY:

This annual overview of current and proposed debt obligations is a requirement of the City's Fiscal and Budgetary Policy. The purpose is to review the debt management program, outstanding debt, and a preview of the 2019 debt sale. The review includes Revenue bonds, General Obligation bonds, Certificate of Obligation bonds, and Self-Supporting obligations.

FINANCIAL IMPACT:

NA

SUBMITTED BY:

Leigh Wallace, Finance Director and Paul Diaz, Budget Manager

ATTACHMENTS:

5 year + CIP detail

Debt Overview Presentation

Project Name	Category	Funding
Berry Creek Drive	2008 Road Bond	2008 GO
D.B . Wood (SH 29 to Oak Ridge)	2015 Road Bond	2015 GO
Leander Road Bridge @ IH35	2015 Road Bond	2015 GO
NE Inner Loop/Stadium Drive	2015 Road Bond	2015 GO
Preliminary Engineering Pool	2015 Road Bond	2015 GO
SH29 (Haven to SH130)	2015 Road Bond	2015 GO
SW Bypass (3)	2015 Road Bond	2015 GO
NB Frontage Road	2015 Road Bond	2015 GO
Southeast Inner Loop	2015 Road Bond	2015 GO
Southwestern Blvd.	2015 Road Bond	2015 GO
Leander Road (Norwood to SW Bypass)	2015 Road Bond	2015 GO
Intersection Pool	2015 Road Bond	2015 GO
2nd Street	2015 Road Bond	2015 GO
Main St. (7th-2nd)	2015 Road Bond	2015 GO
Shell Road Sidewalk In-fill Sequoia to Rosedale (east side only)	2015 Road Bond	2015 GO
Rock St (9th-6th St.)	2015 Road Bond	2015 GO
Old Town Southeast	2015 Road Bond	2015 GO
Festival/Public Space - Downtown West	Facilities	CO
Fire Station 4 - Relocation	Facilities	CO
Fire Station 8	Facilities	CO
Fuel Station Relocation	Facilities	CO
Mixed Use Parking Garage	Facilities	CO
Public Facilities Master Plan	Facilities	CO
Public Safety Operation and Training Center Phase II	Facilities	CO
Signature Gateway	Facilities	CO
Fire Station 1 & 3 - Remodel	Facilities	CO
Blue Hole Parking Expansion and Sidewalk	Facilities	CO
Downtown Parking Expansion Phase II	Facilities	CO
Downtown Parking Garage	Facilities	CO
Fire Station 6	Facilities	CO
Fire Station 7	Facilities	CO
Radio Replacement	Finance	CO
Cardiac Monitors	Fire Department	CO
SCBA Replacement	Fire Department	CO
Public Safety Vehicles - Police Vehicles	Fleet	CO
Public Safety Vehicles - Fire Vehicles	Fleet	CO
Austin Avenue Bridges	Other	CO
Blue Hole Park Improvement	Parks	CO
Historic San Gabriel River Park	Parks	CO
Southeast Community Park	Parks	CO
Westside Park Development	Parks	CO
Westside Recreation Center	Parks	CO
VFW Parking Lot Addition	Parks	CO
Berry Creek Sec. 5 - Neighborhood Park Development	Parks	CO
ADA Transition Plan	Parks	CO
Parks Master Plan	Parks	CO

Regional Trail Development	Parks	CO
San Gabriel Park	Parks	CO
Phase I - Signal & Curb Ramp Improvements	Sidewalks	CO
Remaining Downtown Repairs	Sidewalks	CO
SH 29 (IH 35-IH 130)	Sidewalks	CO
Transfer Station Improvements - New Transfer Station	Solid Waste	CO

FY2019	FY2020	FY2021	FY2022	FY2023	Beyond 5 Years	Total
-	-	-	-	-	6,150,000	6,150,000
-	-	4,820,000	12,500,000	-	-	17,320,000
-	-	-	-	4,500,000	4,500,000	9,000,000
-	-	-	-	-	2,000,000	2,000,000
-	-	-	-	-	2,050,000	2,050,000
-	-	-	-	100,000	3,900,000	4,000,000
-	-	-	-	500,000	-	500,000
150,000	-	-	-	-	-	150,000
1,200,000	-	-	-	-	-	1,200,000
1,550,000	2,940,000	-	-	-	-	4,490,000
2,000,000	-	2,231,000	-	-	-	4,231,000
-	1,000,000	-	1,000,000	1,000,000	1,500,000	4,500,000
-	410,000	-	-	-	-	410,000
-	-	-	-	300,000	-	300,000
180,000	-	-	-	-	-	180,000
250,000	-	-	-	-	-	250,000
-	-	-	-	1,500,000	-	1,500,000
-	-	-	-	-	-	-
-	-	-	-	-	6,300,000	6,300,000
-	-	-	-	-	6,300,000	6,300,000
-	400,000	-	-	-	-	400,000
-	-	-	-	-	12,000,000	12,000,000
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
30,000	1,000,000	-	-	-	-	1,030,000
100,000	-	-	-	-	-	100,000
350,000	-	-	-	-	-	350,000
2,500,000	-	-	-	-	-	2,500,000
5,200,000	-	-	-	-	-	5,200,000
6,250,000	-	-	-	-	-	6,250,000
500,000	200,000	-	-	-	-	700,000
-	225,000	225,000	-	-	-	450,000
290,000	290,000	300,000	-	-	-	880,000
623,500	903,200	870,100	642,500	705,000	4,004,100	7,748,400
1,144,500	2,650,000	2,525,000	1,480,000	1,200,000	9,605,000	18,604,500
-	200,000	-	-	-	-	200,000
-	-	-	-	-	1,200,000	1,200,000
-	-	-	-	250,000	-	250,000
-	-	-	-	-	14,200,000	14,200,000
-	-	-	-	-	-	-
-	-	-	-	-	18,500,000	18,500,000
175,000	-	-	-	-	-	175,000
250,000	250,000	250,000	250,000	250,000	250,000	1,500,000
-	450,000	-	-	-	-	450,000
-	200,000	-	-	-	-	200,000

	1,275,000			1,200,000	2,000,000	4,475,000
	750,000	5,250,000	-	-	8,700,000	14,700,000
-		-	-	-	-	-
-		-			-	-
-	-		-	-	-	-
		-	-	-	-	-
22,743,000	13,143,200	16,471,100	15,872,500	11,505,000	103,159,100	182,893,900

Fiscal Year

2019 Budget

and Five-Year Capital Improvement Plan

Annual Debt Overview

Debt Planning

- Budget development includes the capital plan and the debt plan
- 2019 Budget included proposed debt with estimated tax impacts (for the following year)
 - Refine the 2019 debt plan as project timing and costs are updated

Debt Policies

- Provide debt update annually
- Balance needs of the City between pay as you go and debt financing
 - Stability of tax rate
- Explore all funding options for a capital item
- Finance a capital item over its useful life
- Method of sale – competitive, unless market conditions are favorable to select negotiated

Types of Debt

- General Obligation Bonds
 - Used for large projects, such as Garey Park, the Southwest Bypass, the Northwest Blvd Bridge, & San Gabriel Park
 - Approved by the voters
 - Repaid with property taxes over long terms



Types of Debt

- Certificates of Obligation
 - Used for required or routine items, such as Fire Station 6 & 7, Public Safety Vehicles, and other City facilities
 - Public notice required
 - Repaid with property taxes or other revenue
 - Term over the life of the asset



Types of Debt

- Revenue Bonds
 - Used for large electric and water projects
 - Repaid with utility revenue over life of asset



Current Bond Ratings

- Independent review of City's management and financial condition to determine creditworthiness
- Impacts the interest rate of the bond
- Standard & Poor's 2018 Rating
 - General obligation AA+
 - Revenue bonds AA

Debt Coverage Ratio

- For revenue bonds
- Combined water and electric
- Number of times net operating revenue can cover debt service
 - Bond covenants 1.35x
 - Fiscal and Budgetary Policy 1.5x
 - FY19 budgeted coverage is 3.25x

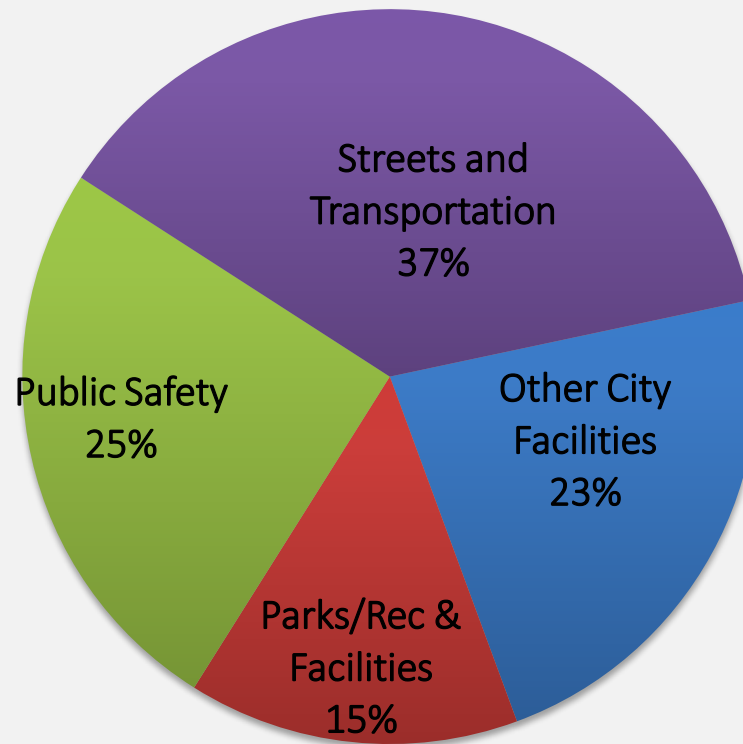
Current Tax Rate

- Total 42 cents per \$100 assessed valuation
 - Interest & Sinking 22.045 cents
 - Operations & Maintenance 19.955 cents
- Agreement with the voters
 - 2015 Transportation Bond
 - No increase more than 10 cents total
 - No increase more than 2 cents in one year
- City has retained the same tax rate this year
 - FY19/0.42 --FY18/0.42 --FY17/0.424

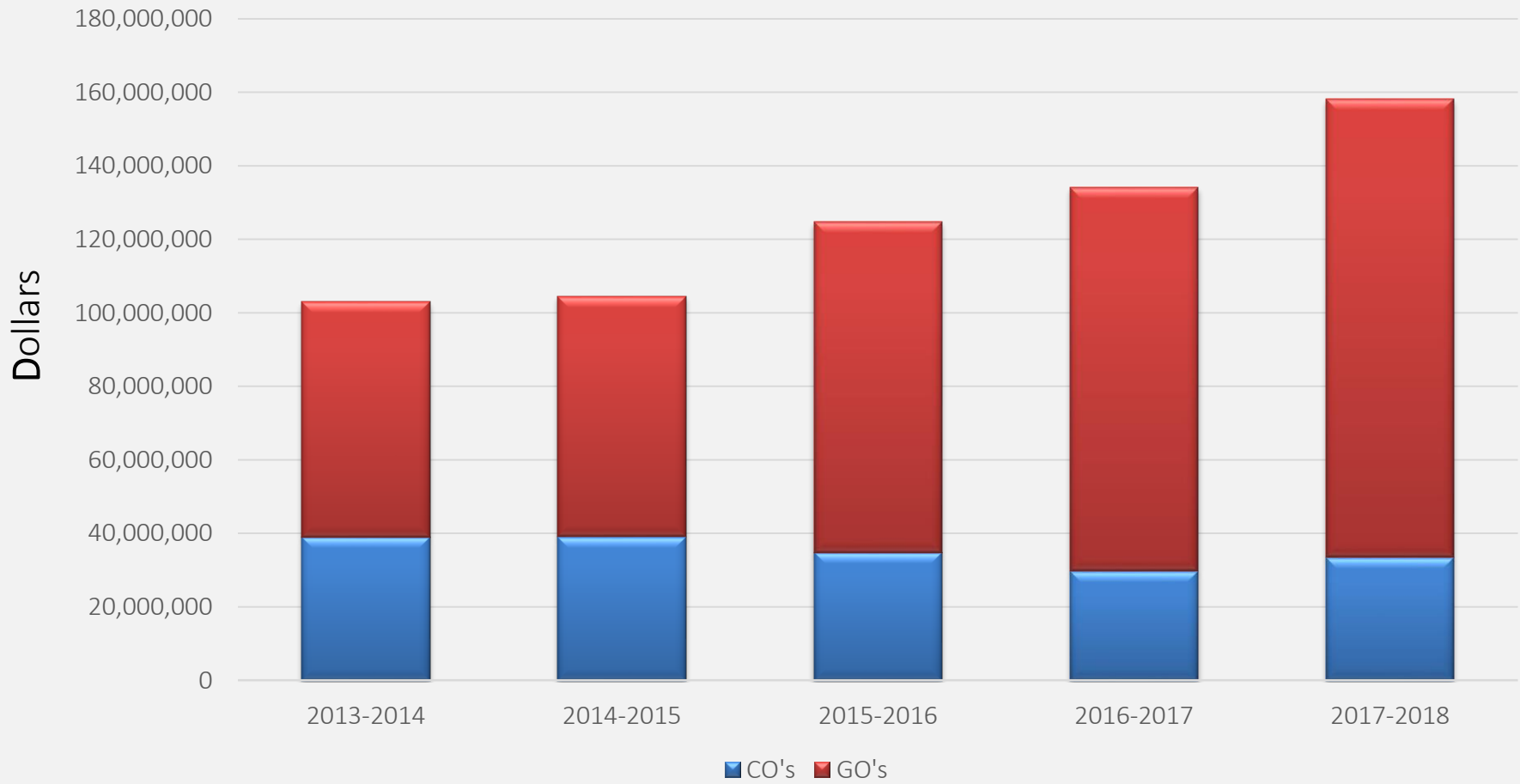
Current Tax Obligation

Not Including Self Funded Obligations

General Government
Tax Supported Debt \$158M



5 Year Tax Supported Debt Not Including Self Funded Obligations



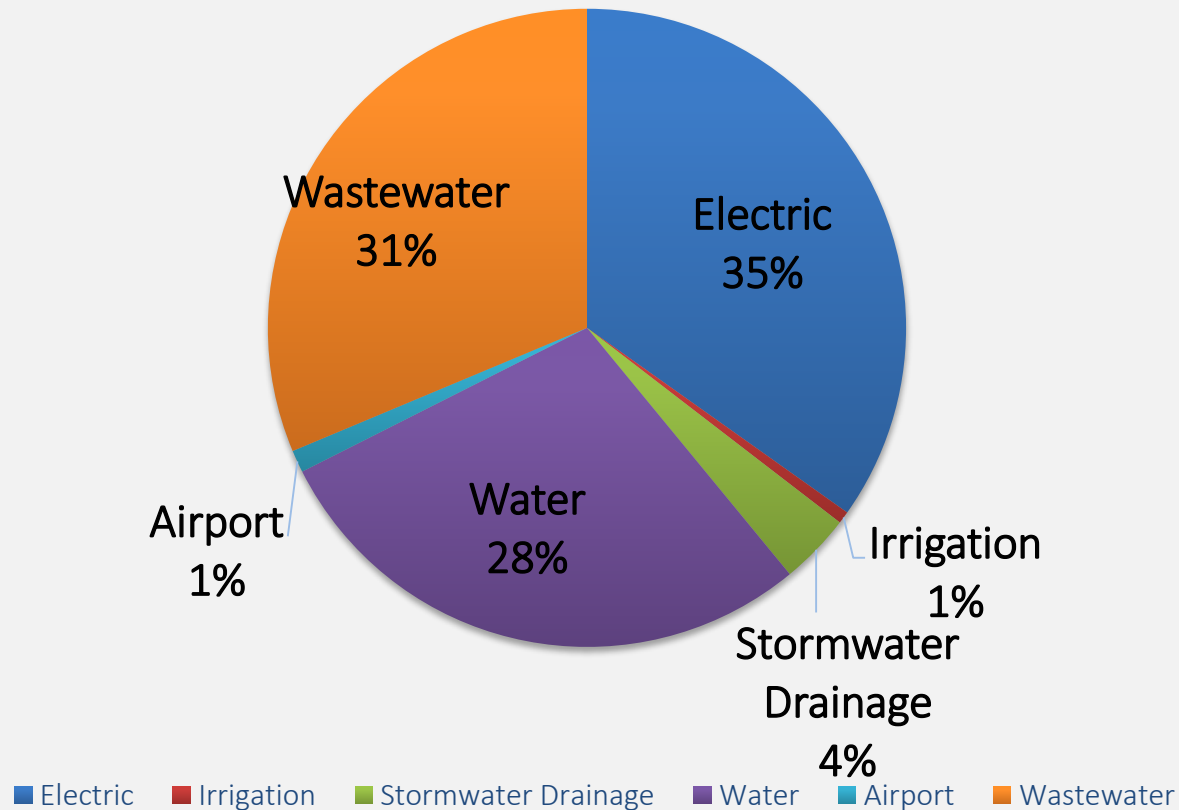
Debt per Capita

Total Tax Supported Debt per Capita

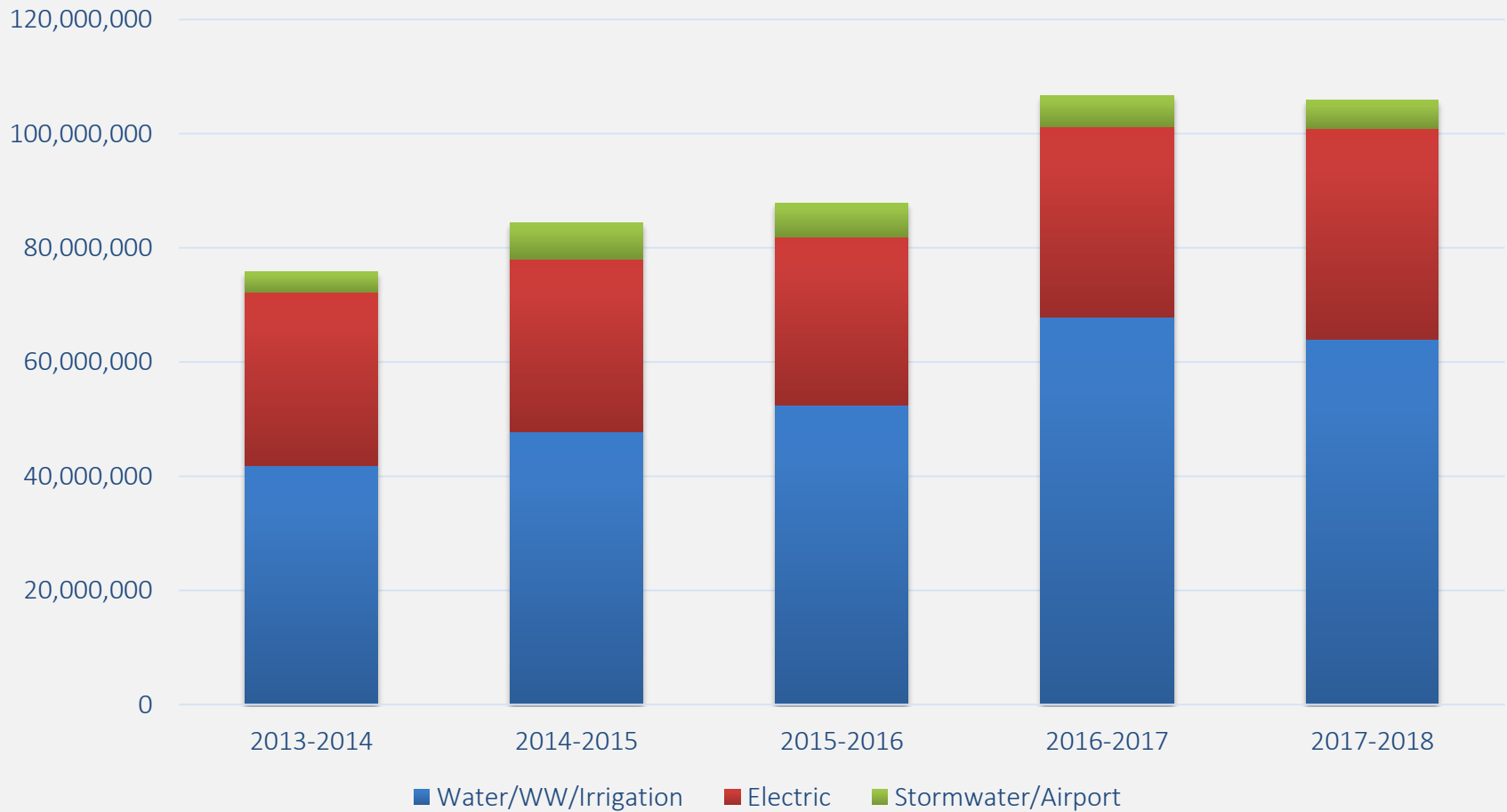


Enterprise Obligations

Enterprise Debt \$105.8M

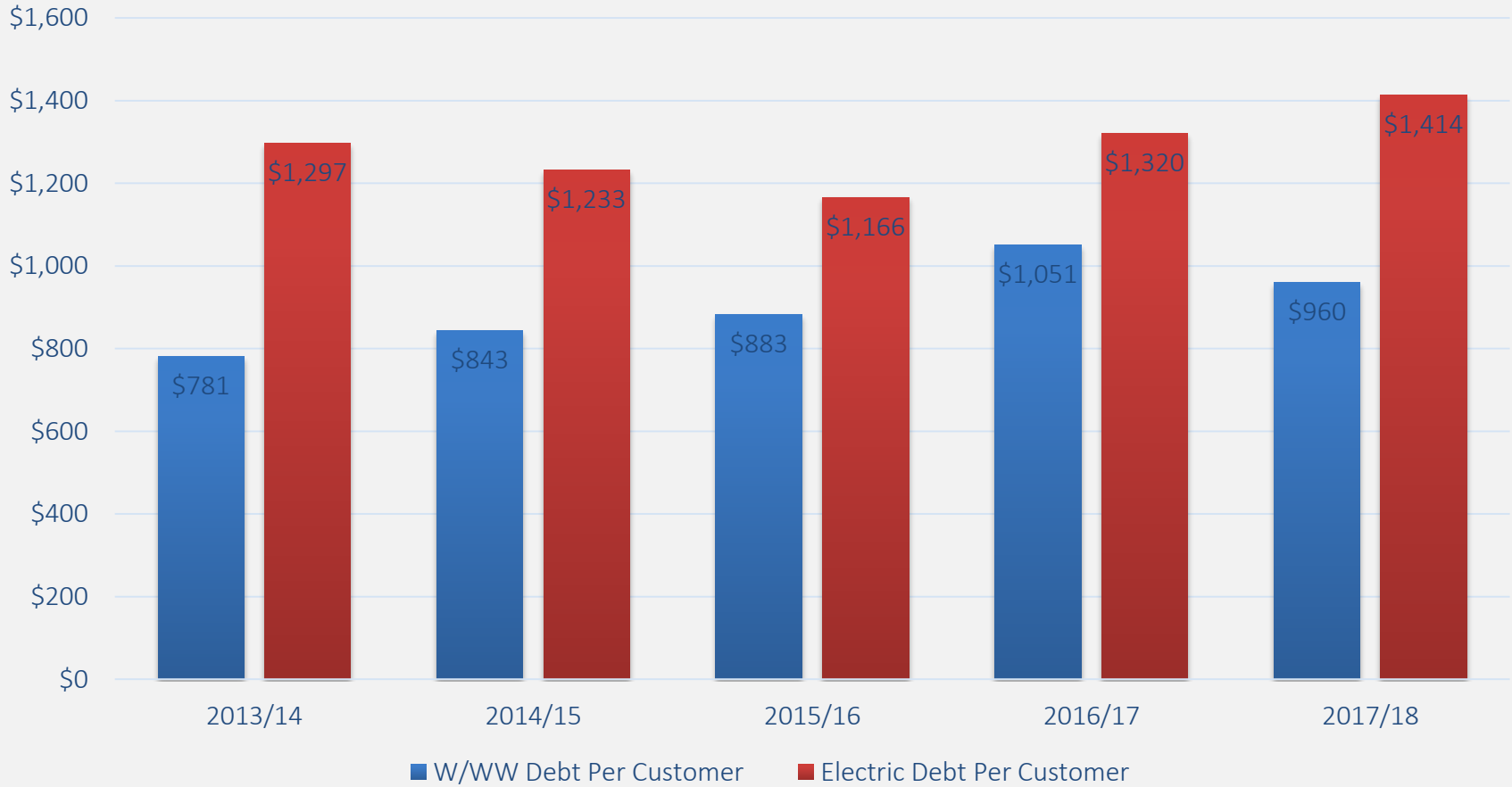


5 Year Enterprise Debt, Including Self Supported Debt



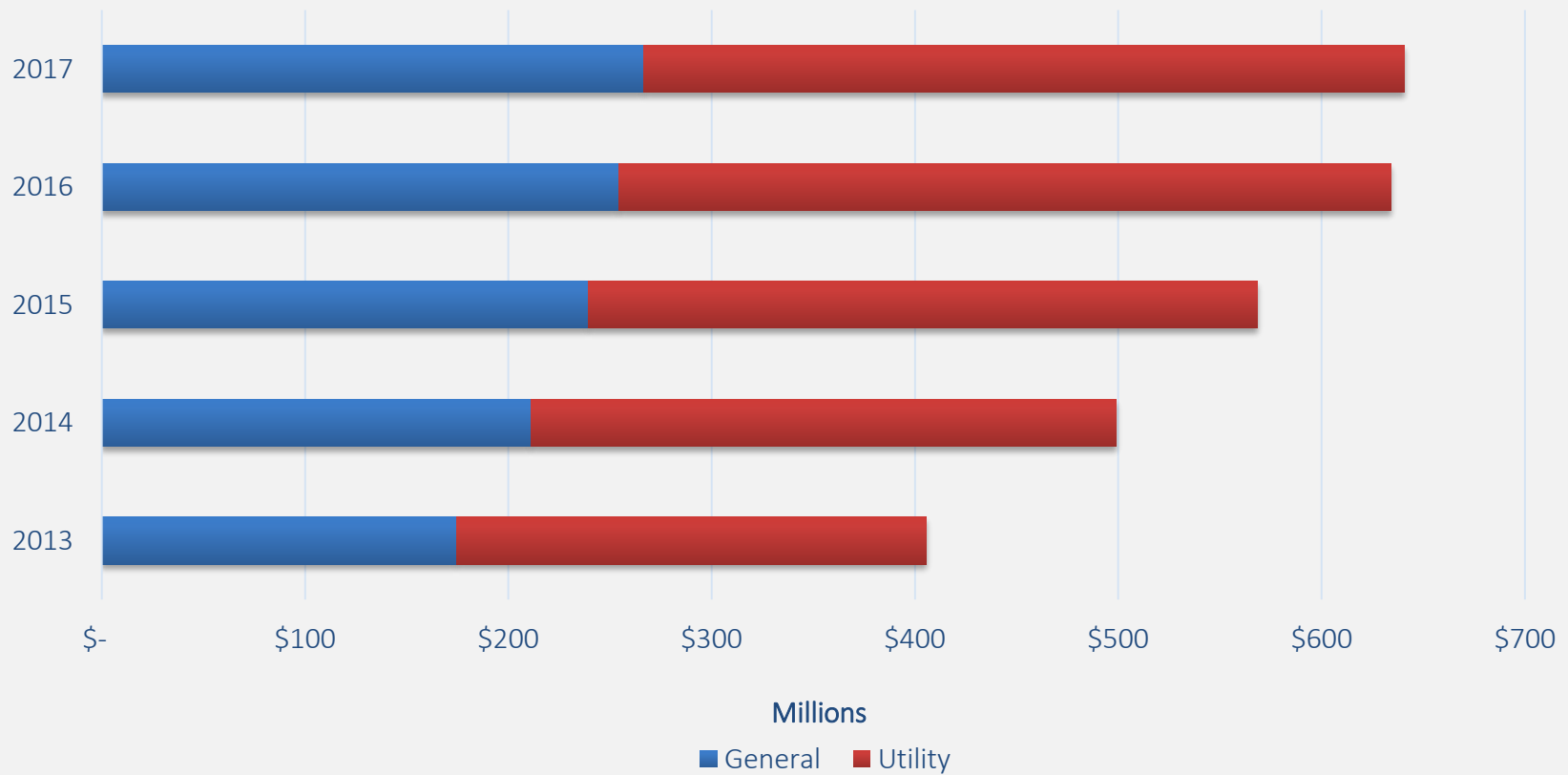
Debt Per Customer

Outstanding Debt per Utility Customer



Historical Assets Net of Debt

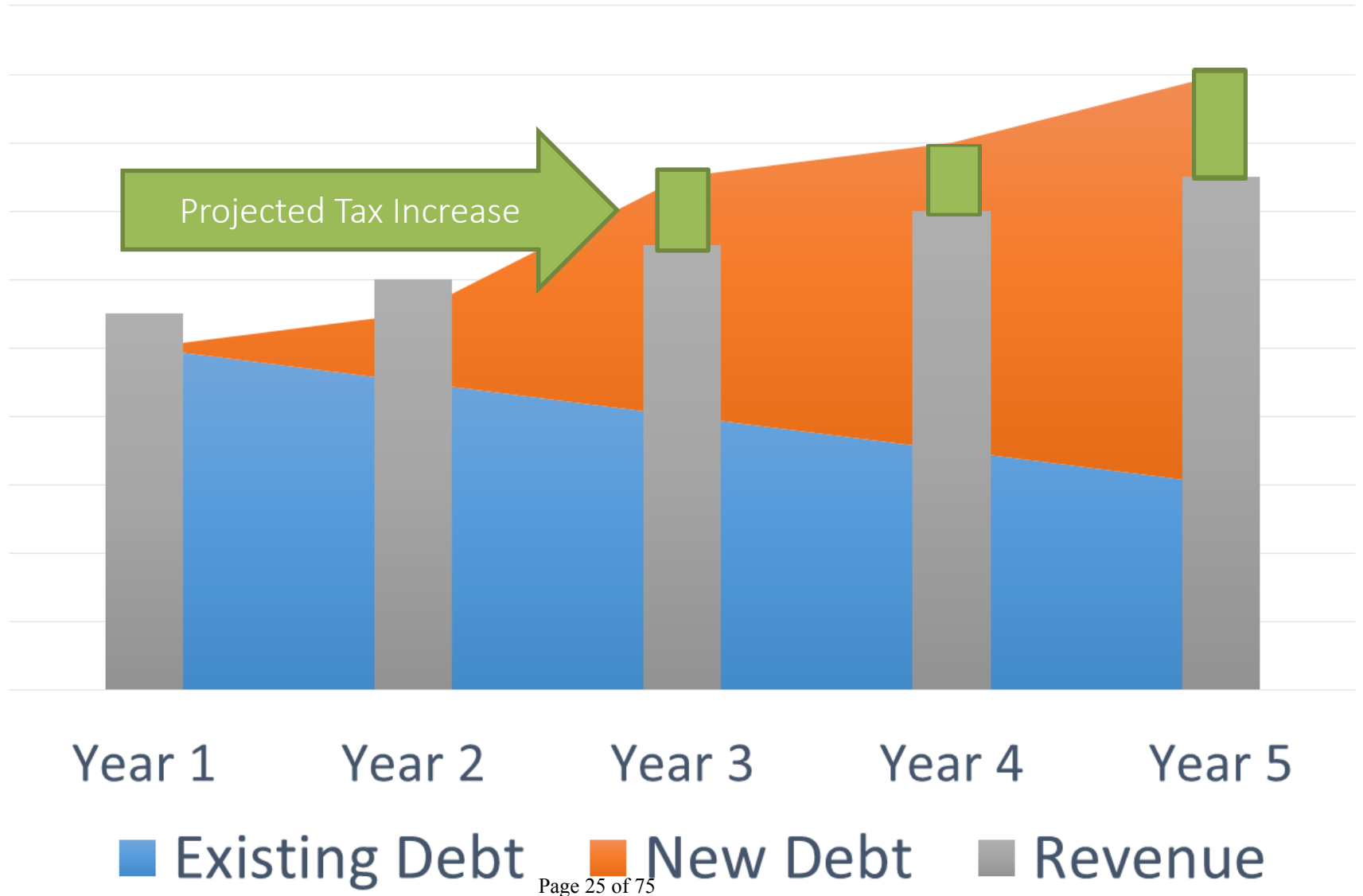
City Assets Net of Related Debt



Tax Impact Analysis

- Developed in FY2016, the Five Year Debt Model is a tool to better understand the impacts of issuing debt.
- Allows for scenario testing and the adjustment of multiple variables including assessed value, sales tax, tax rate distribution, and debt service requirements.

How the Model Works



Assumptions

- Small changes can have big results
- Use Current I&S Tax Rate: 22.045 cents
- Use Current O&M Tax Rate: 19.955 cents
- Use Current Ratio of 52/48 for tax ceiling revenue.
- Base growth of 4.5% in FY2020, decreasing to 3% by 2023. Tax ceiling revenue growing at a constant 3%.

5 Year CIP

Debt	FY2019	FY2020	FY2021	FY2022	FY2023	Beyond 5 Years	Total
2008 GO							
2008 Road Bond	0	0	0	0	0	6,150,000	6,150,000
2008 GO Total	0	0	0	0	0	6,150,000	6,150,000
2015 GO							
2015 Road Bond	5,330,000	4,350,000	7,051,000	13,500,000	7,900,000	13,950,000	52,081,000
2015 GO Total	5,330,000	4,350,000	7,051,000	13,500,000	7,900,000	13,950,000	52,081,000
CO							
Facilities	14,430,000	1,400,000	0	0	0	24,600,000	40,430,000
Finance	500,000	200,000	0	0	0	0	700,000
Fire Department	290,000	515,000	525,000	0	0	0	1,330,000
Fleet	1,768,000	3,553,200	3,395,100	2,122,500	1,905,000	13,609,100	26,352,900
Other		200,000	0	0	0	0	200,000
Parks	425,000	2,925,000	5,500,000	250,000	1,700,000	44,850,000	55,650,000
CO Total	17,413,000	8,793,200	9,420,100	2,372,500	3,605,000	83,059,100	124,662,900
Grand Total	22,743,000	13,143,200	16,471,100	15,872,500	11,505,000	103,159,100	182,893,900

Forecast

- No tax impact in the five year model based on assumptions mentioned.
 - Strong and consistent growth in our community.
 - Council's action during the budget process in July to limit capital project spending is helping (\$75 million over the 5 year timeframe).

FY 2019 Proposed Debt Tax Supported-General Obligation

[-] General Obligation

[-] Tax Supported

Leander Road (Norwood to SW Bypass)	2,000,000
NB Frontage Road	150,000
Rock St Sidewalk (9th-6th St)	250,000
Shell Road Sidewalk	180,000
Southwestern Blvd	1,550,000
Southeast Inner Loop-Design	1,200,000

Tax Supported Total	5,330,000
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FY 2019 Proposed Debt

Tax Supported-Certificate of Obligation

Tax Supported	Approved Budget	Budget Amendments	2019 Debt Sale
Blue Hole Parking Expansion and Sidewalk (Rock St & 2nd)	100,000	0	100,000
Downtown Parking Expansion Phase II (8th St)	350,000	0	350,000
Downtown Parking Garage (Main & 6th)	2,500,000	0	2,500,000
Fire Station 1 & 3 - Improvement Assessment	30,000	0	30,000
Fire Station 6	0	5,200,000	5,200,000
Fire Station 7	6,250,000	0	6,250,000
Neighborhood Park Development (Berry Creek)	250,000	0	250,000
Public Safety Vehicles - Fire Vehicles	1,050,500	94,000	1,144,500
Public Safety Vehicles - Police Vehicles	558,500	65,000	623,500
Radio Replacement-Police & Fire	500,000	0	500,000
SCBA Replacement	290,000	0	290,000
VFW Parking Lot Addition	175,000	0	175,000
Tax Supported Total	12,054,000	5,359,000	17,413,000

FY 2019 Proposed Debt

Self Supported-Certificate of Obligation

Self Supporting	Approved Budget	Budget Amendments	2019 Debt Sale
Airport Runway Grant Match-2018 Budget	500,000	-35,000	465,000
Downtown Parking Garage-Downtown TIRZ	2,500,000	0	2,500,000
Southeast Inner Loop-GTEC	7,200,000	-7,200,000	0
Stormwater Curb and Gutter	950,000	-450,000	500,000
Stormwater Street Sweeper(Fleet)	280,000	0	280,000
Transfer Station-Design	800,000	200,000	1,000,000
Self Supporting Total	12,230,000	-7,485,000	4,745,000

Bond Authorization Remaining

General Obligation Debt Authorized by the Voters ▼ 2008 Roads ▼ 2008 Parks ▼ 2015 Roads ▼ Total ▼				
Amount Authorized by the Voters	46,000,000	35,500,000	105,000,000	186,500,000
Year & Issue				
2009	1,175,000	0	0	1,175,000
2010	1,365,000	0	0	1,365,000
2010A	9,435,000	2,500,000	0	11,935,000
2012	0	0	0	0
2012A	0	0	0	0
2013	0	5,000,000	0	5,000,000
2014	4,800,000	0	0	4,800,000
2015	4,375,000	0	0	4,375,000
2015A		1,710,000	10,075,000	11,785,000
2016		3,000,000	10,000,000	13,000,000
2017		6,500,000	2,635,000	9,135,000
2018	3,900,000	4,000,000	16,550,000	24,450,000
Total Issued	25,050,000	22,710,000	39,260,000	87,020,000
Authorization Remaining	20,950,000	12,790,000	65,740,000	99,480,000
*Includes allocated premium which counts towards the voter authorization.				

Takeaways

- The City continues to aggressively implement infrastructure improvements to match the voter approved projects.
- Correlates to population growth and voter approved projects to improve services and quality of life.
- The City continues to experience strong economic growth.
- Economic forecast shows the City can fund the current CIP plan within the current tax rate.

Next Steps

- February 26 Council Agenda
 - Authorize Financial Advisors to proceed with bond sale schedule and documents
 - Approve Notice of Intent to issue Certificates of Obligation
- March
 - Offering Statements reviewed by staff
 - Staff meet with bond rating agency
- April 23 Council Agenda
 - Approve results of competitive sale
- May 16– Closing and receive proceeds

City of Georgetown, Texas
City Council Workshop
February 12, 2019

SUBJECT:

Presentation and discussion of the 2015 Bond Program Report -- Wesley Wright, PE, Systems Engineering Director

ITEM SUMMARY:

A presentation will be given on the project and financial status of the 2008 and 2015 voter approved road bonds.

FINANCIAL IMPACT:

N/A

SUBMITTED BY:

Wright

City of Georgetown, Texas
City Council Workshop
February 12, 2019

SUBJECT:

Presentation, update and discussion on the 2018/19 Unified Development Code (UDC) Amendment Review Process --
Sofia Nelson, CNU-A, Planning Director

ITEM SUMMARY:

In accordance with Section 3.05.020 of the Unified Development Code (UDC), the UDC shall be reviewed on an annual basis. The purpose of the review and amendments process is to establish and maintain sound, stable, and desirable development within the City's jurisdiction, correct errors in the text, or due to changing conditions in the UDC. The list of amendments to be reviewed on an annual basis shall be reviewed and approved by the City Council ("General Amendments List"), after review and consideration by the Unified Development Code Advisory Committee (UDCAC) and Planning and Zoning Commission.

The purpose of this item is to obtain feedback and direction from the City Council on UDC General Amendments List that City staff will work on for the year 2019. Every year City Staff and the UDCAC revise a list of items in the UDC that need to be replaced or updated due to difficulties with the language or outdated provisions. Items identified as Priority 1 in the attached General Amendments List are those items that the UDCAC, Planning and Zoning Commission, and staff have identified should be reviewed in this next round of amendments. Some of these may be determined by City Council to be on a different time frame, such as items to be considered outside the Annual Review process and that would not be reviewed by the UDCAC.

FINANCIAL IMPACT:

n/a

SUBMITTED BY:

Sofia Nelson, Planning Director

ATTACHMENTS:

workshop presentation

UDC General Amendments List 2019 Review Cycle

City Council Workshop
February 12, 2019

Purpose

- Discussion and direction on the UDC topics to be reviewed and amended during the 2019 annual review cycle

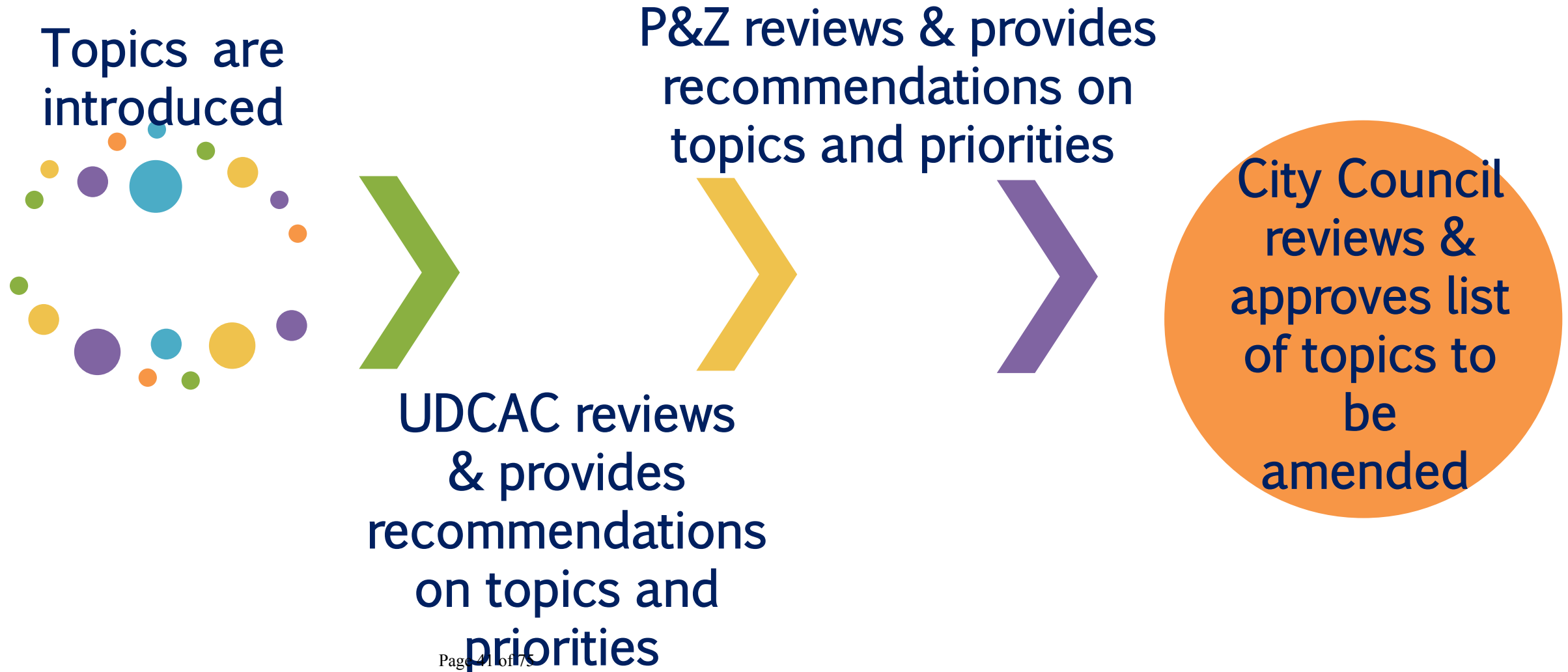
Feedback Requested

- Direction to staff on any additions, changes or reprioritization of proposed amendments

Item Overview

- UDC annual amendment and review process
- Categories of UDC amendments and priorities
- Process outline for 2019
- Questions and direction to staff

UDC Annual Amendment and Review Process



Revisions for 2019

- ❖ Business Park district size (executive amendment) – **Completed**
- ❖ Mobile Food Vendors – **Completed**
- ❖ Special Purpose Districts (MUDs) – **Completed**
- ❖ Parkland dedication requirements – In review
- ❖ Historic standards and processes – In review
- ❖ Notification requirements for zoning map amendments – In review
- ❖ Number of units per building for multi-family districts – In review

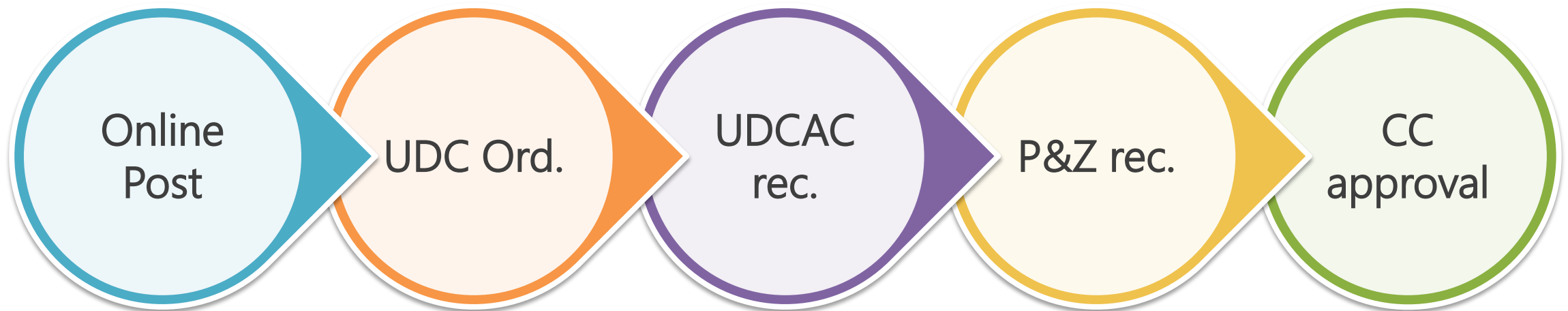
Revisions for 2019

- ❖ Residential masonry standards – In review
- ❖ Permitted Use Table – In review
- ❖ Administrative clean-up – In review
- ❖ Sign regulations and variance process – Not started
- ❖ Determination of statutory rights (vesting) – Not started
- ❖ Appeals process – Not started
- ❖ TIA requirements – On hold

Amendment review process



Amendment review process



Tentative Schedule (subject to change)

No(s).	Amendment	Status	UDC Ch/Sec	Review/ Discussion	Public Review	Consideration/ Approval	Effective Date
3	Parkland dedication requirements	In review	Sec 13.08	Feb-Mar	Feb-Mar	Apr-May	Q2 2019
14	Maximum number of units and building separation requirements in MF districts	In review	Sec 6.02	Feb-Mar	Feb-Mar	Apr-May	Q2 2019
17	Rezoning notification requirements	In review	Sec 3.06	Feb-Mar	Feb-Mar	Apr-May	Q2 2019
2	Historic standards and processes	In review	Sec 3.13	Dec-Jan	Feb-Mar	Mar-Apr	Q2 2019
15	Residential masonry standards	In review	Ch 6	Feb-	Apr-	Q3 2019	Q4 2019
11, 12, 13	Permitted Use Table	In review	Ch 5	Feb-	Apr-	Q3 2019	Q4 2019

Permitted Use Table

- ❖ Restaurants in Business Park and Industrial zoning districts.
- ❖ Distance requirements for Bar, Tavern or Pub uses
- ❖ Office warehouse

Tentative Schedule (subject to change)

No(s).	Amendment	Status	UDC Ch/Sec	Review/ Discussion	Public Review	Consideration/ Approval	Effective Date
5, 6	New/revise processes: Appeals, Vesting Rights, Sign variances	Not started	Ch 3	May-	Q3 2019	Q4 2019	Q4 2019
18	Sign standards	Not started	Sec 3.15, Ch 10	May-	Q3 2019	Q4 2019	Q4 2019
7, 9, 10	Administrative and legal clean-ups	In review	All	May-	Q3 2019	Q4 2019	Q4 2019
16	TIA requirements and process	On hold	Sec 12.09	TBD	TBD	TBD	TBD

COA UDC Amendments – Proposed Schedule

- Posting language for public review- February 18th
- Open House/ Office Hours- February 25th
- UDC Advisory Committee recommendation - March 13th
- Planning & Zoning Commission recommendation-- March 19th
- City Council Public Hearing and 1st reading-- March 26th
- City Council 2nd reading- April 9th

Next Steps

- Direction to staff on the UDC topics to be reviewed in the 2019 Review Cycle
- UDCAC and City staff continue/initiate work on topics to be amended

Questions & Direction

- Direction to staff on:
 - Topics
 - Priorities
 - Process

City of Georgetown, Texas
City Council Workshop
February 12, 2019

SUBJECT:

Presentation and discussion of Pedestrian Roadway Crossings -- Octavio Garza, PE, Public Works Director and Josh Canter, PE, Public Works Traffic Engineer

ITEM SUMMARY:

The City has, over the years, installed many types of pedestrian roadway crossings at both controlled and uncontrolled intersections, e.g., signalized and stop-sign controlled intersections, t-intersections without traffic signals or stop signs, mid-block crossings, etc. Moreover, technology has introduced new concepts in managing pedestrian access at said crossings. Given the growth of the City and multiple requests for new crosswalks, Public Works is seeking guidance from the City Council on preferred methods and treatments to address these requests as well as developing a crosswalk standard for new development.

FINANCIAL IMPACT:

None

SUBMITTED BY:

Josh Canter, EIT, Public Works Traffic Engineer

ATTACHMENTS:

Pedestrian Roadway Crossings Presentation

Pedestrian Crossings

City Council Workshop
February 12, 2018

Agenda

- Purpose
- Existing Pedestrian Crossing Types
- Treatment Options
- Estimated Costs
- Factors Considered in Selection
- Next Steps

Requested Feedback

- Guidance on development of standard guidelines for existing & future pedestrian crossings, i.e., crosswalks for the City of Georgetown.

Stop Sign Controlled Intersections



East 8th St @ Church St

- Standard style crosswalk (2 lines)
- Stop bar 5' from crosswalk
- No signage

Traffic Signal Controlled Intersections

Austin Ave. @ W. Morrow St.



- Continental, aka piano keys, style crosswalk.
- Stop bar 5' from crosswalk.
- No signage.
- Pushbutton pedestrian activated signal.



Uncontrolled Intersections

SH 29 @ Vine St.



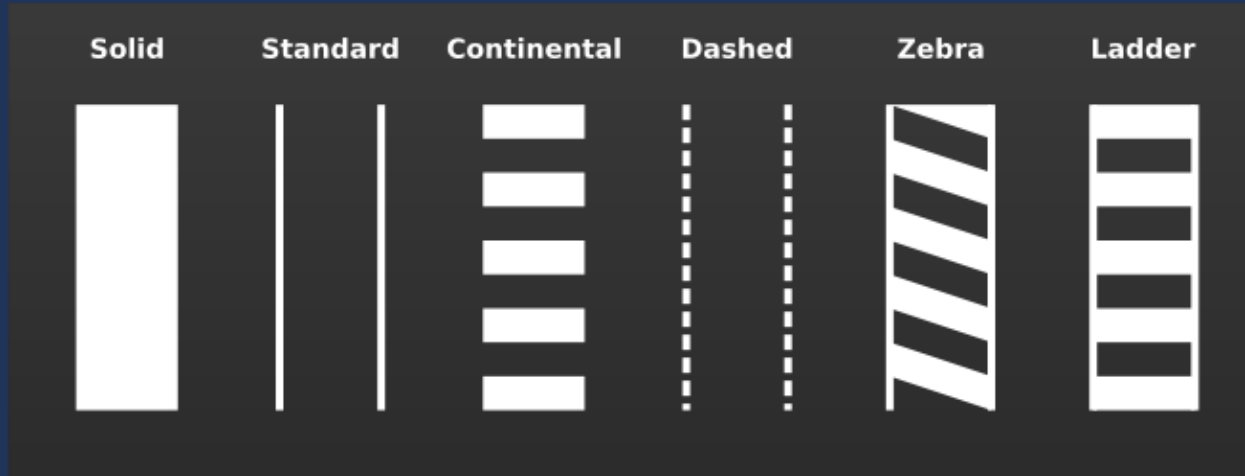
S. Main St.



- No set standard. Varies based on need.
- Can use standard or continental style.
- Typically with pedestrian crossing signs.

Treatment Options

Crosswalks Styles



In-Street Signage



Pavement Markings



Treatment Options Cont'd

Yield Triangles



In-Pavement Flashers



Rectangular Rapid Flashing Beacon



Blinker Sign



Flashing Beacons

- Adds visibility.
- Solar Powered.
- Flash rate per TxMUTCD guidelines.
- 24 hour operation.
- Typically 15-20% Motorist Compliance.



Rectangular Rapid Flashing Beacon

- Improves motorist compliance compared to flashing beacon.
- Dimmable LED's to reduce nighttime glare.
- Flash pattern & speed of flash set by TxMUTCD.
- Duration of flash time is customized.
- Pedestrian activated pushbutton.



Blinker Sign

- Adds visibility.
- Solar Powered.
- Flash rate per TxMUTCD guidelines.
- Operation Setting Options:
 - Push button activated
 - 24 hour
 - Vehicle motion detection



Crosswalk Example



In-Pavement Lighting

- Enhances noticeability at night.
- Ability to run 24/7 or just at night.
- Automatic night dimming.
- Can be pedestrian push button activated.

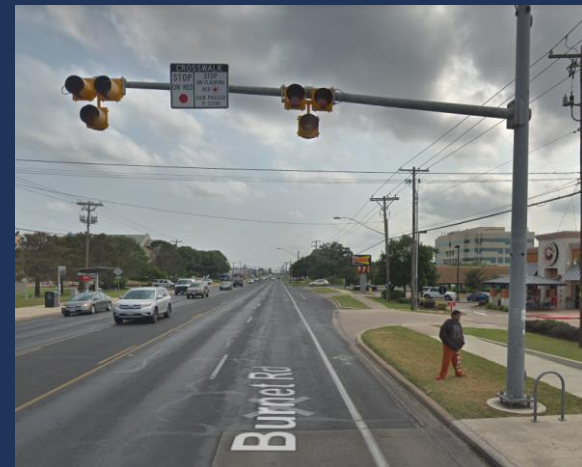


Purl Elementary School Crossing



HAWK Signal (Mid block crossings only)

- Should be warranted for use based on pedestrian counts.
- Typical application is roadway facilities with 2 or more lanes.
- More suitable for facilities with design speeds of 45 mph or greater.



Estimated Costs

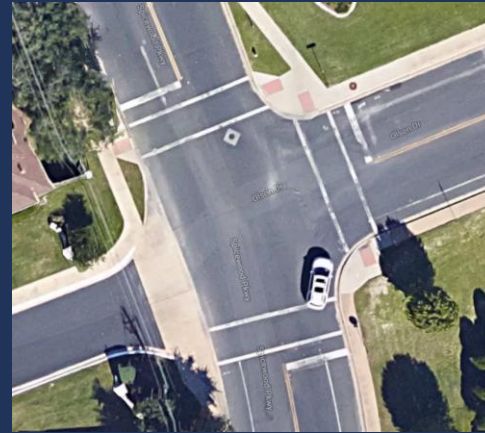
- **Stop Sign / Signal Controlled Intersections**
 - \$4,800 - Standard Pavement Markings
 - \$14,900 - Continental Pavement Markings
 - \$50,000 - \$275,000 - Pedestrian Scramble Crosswalk
- **Uncontrolled Traffic/Pedestrian Intersections
(Per Crossing)**
 - \$5,300 - Continental Pavement Markings
 - \$14,000 - Flashing Beacons
 - \$25,000 - Blinker Signs
 - \$40,000 - Rectangular Rapid Flashing Beacons
 - \$155,000 - HAWK Signals

Factors for considering crossing treatments

- Depending on the factors below, crossing treatments will be based on a low, medium, high intensity category.
 - Volume of vehicle and pedestrian traffic
 - Vehicle speed
 - Number of lanes
 - Accident history
 - Sight distances

Stop Sign Controlled Intersections

- **Low**
 - Standard Pavement Markings
 - Stop Bar
- **Medium**
 - Continental Pavement Markings
 - Stop Bar
- **High**
 - Increase signage
 - Add flashing lights



Traffic Signal Controlled Intersections

- **Low**

- Standard Pavement Markings
- Stop Bar



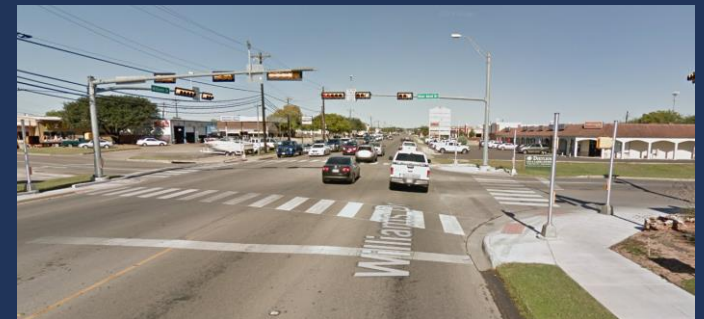
- **Medium**

- Continental Pavement Markings
- Pedestrian Pushbutton



- **High**

- Continental Pavement Markings
- Pedestrian Pushbuttons
- Signage



Mid-Block Crossing Treatments

- **Low**

- Continental Pavement Markings
- Signage



- **Medium**

- Blinker Signs or Rectangular Rapid Flashing Beacons
- Signage
- In-Pavement Flashers
- Yield Triangles



- **High**

- HAWK Signal



Austin Avenue / The Square

- Austin Avenue at The Square is a unique situation regarding traffic and pedestrian crossings and will require its own study.
 - 4 Lanes traffic without protected left turns
 - High pedestrian use
 - Austin Avenue Bridge Project
 - Should consider corridor efficiency
 - Recommend a corridor study that considers vehicles and pedestrians

Next Steps

- City Council Feedback & Direction.
- Develop a design standard for various crossing types based on guidance from City Council.
- Implement design into existing & proposed plans in the future.
- Proceed with Austin Avenue Corridor Study

Questions?

Thank you!

City of Georgetown, Texas
City Council Workshop
February 12, 2019

SUBJECT:

Sec. 551.071: Consultation with Attorney

Advice from attorney about pending or contemplated litigation and other matters on which the attorney has a duty to advise the City Council, including agenda items

- Legal advice regarding purchase power agreements

Sec. 551.072: Deliberations about Real Property

- Property Located at Inner Loop and I-35
- Rivery TIA/Rivory Turn Lanes, Parcels 5-7, acquisition of real property -- Jim Kachelmeyer, Real Estate Services Coordinator and Travis Baird, Real Estate Services Manager
- Sale of Property-113 E. 8th Street -- Travis Baird, Real Estate Services Manager
- Texas Crushed Stone

Sec. 551.086: Certain Public Power Utilities: Competitive Matters

- Purchase Power Update -- Jim Briggs, General Manager of Utilities

Sec. 551.087: Deliberation Regarding Economic Development Negotiations

- Project Deliver
- Project Big C
- Project Access

Sec. 551.074: Personnel Matters

City Manager, City Attorney, City Secretary and Municipal Judge: Consideration of the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal

- City Secretary

ITEM SUMMARY:

FINANCIAL IMPACT:

NA

SUBMITTED BY:

Shelley Nowling, City Secretary