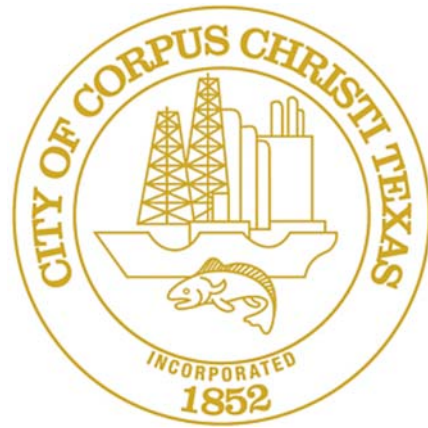
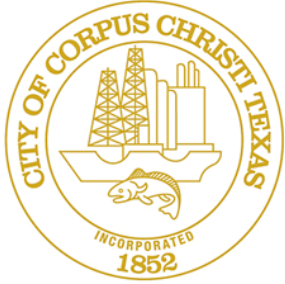


FY 2016-2017 ADOPTED & CAPITAL BUDGET CAPITAL IMPROVEMENT PLANNING GUIDE CITY OF CORPUS CHRISTI



ADOPTED BY CITY COUNCIL
ORDINANCE NO. 030936 ON AUGUST 23, 2016
CITY MANAGER MARGIE C. ROSE





Mark Van Vleck
Assistant City Manager—Public Works, Utilities, and Transportation

Jay Ellington
Interim Assistant City Manager—Safety, Health, and Neighborhoods



Margie C. Rose
City Manager

PROJECT TEAM

Management & Budget

Christine Garza, M.B.A.
Interim Assistant Director

Vacant
Capital Budget Officer

Laura Reyes
Senior Budget Analyst

Capital Programs

Valerie Gray, P.E.
Executive Director of Public Works

Jeffery Edmonds, P.E.
Director of Engineering Services

Lynda Herndon, C.P.M.
Finance and Resource Superintendent

Finance

Constance P. Sanchez, C.P.A.
Director of Financial Services

Martha A. Messer, C.P.A.
Chief Accountant

Jason Gooding
Senior Accountant—CIP

Betsy Perez
Supervising Accountant—Utilities

This document was prepared by Engineering Services, with contributions by Planning/Environmental Services and Finance, and compiled by Office of Management & Budget

For additional information or questions, please contact:

Office of Management and Budget
Post Office Box 9277
Corpus Christi, Texas 78469-9277
361.826.3660



Mark Scott
Council Member
At Large



Michael Hunter
Council Member
At Large



Chad Magill
Council Member
At Large



Carolyn Vaughn
Council Member



Brian Rosas
Council Member



Colleen McIntyre
Council Member



Lucy Rubio
Council Member



Rudy Garza
Council Member

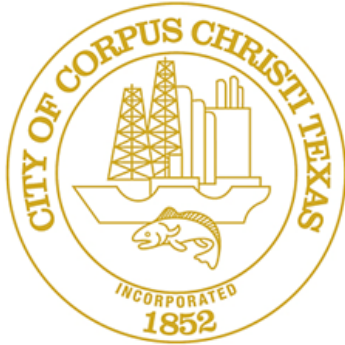


Nelda Martinez
Mayor



2016-2017

City of Corpus Christi, Texas, City Council



Established by ordinance in 1937, the Planning Commission reviews and makes recommendations to the City Council on the City's annual capital budget and any capital improvement bond program. The Planning Commission consists of nine registered voters of the city. The members are appointed by the City Council for staggered terms of three years. The commission elects a chairperson from its membership each year at the first meeting in August and shall not meet less than once a month for each month. Any vacancy in an unexpired term shall be filled by the City Council for the remainder of the term. Current members include (with term expiration date):

Phillip John Ramirez (exp. 7.31.18)
Chairman

Eric Villarreal (exp. 7.31.19)

Heidi Hovda (exp. 7.31.17)
Vice-Chair

Carl Crull (exp. 7.31.17)

Frank Hastings (exp. 7.31.18)

Jeremy Baugh (exp. 7.31.18)

Marsha Williams (exp. 7.31.17)

Mike Lippincott (exp. 7.31.18)

Fred Braselton (exp. 7.31.16)

2016 Corpus Christi Planning Commission



TABLE OF CONTENTS

Obligation to the Future

Table of Contents

City Manager’s Message	10
CIP Planning Guide – Major Sections	15
Capital Budget and Capital Improvement Planning Guide Schedule	16
Capital Budget	17
Capital Improvement Plan (CIP) Summaries	
Short-Range CIP Summary.....	26
Long-Range CIP Summary.....	30
Description of CIP Funding Sources	31
Utility Rates	
2-Year Utility Rates by Utility.....	34
2-Year Water Rates by Class	35
Airport	
Short-Range CIP	39
Project Descriptions	42
Long-Range CIP	57
Parks & Recreation	
Short-Range CIP	62
Project Descriptions	67
Long-Range CIP	88
Public Facilities	
Short-Range CIP	97
Project Descriptions	101
Long-Range CIP	119
Public Health & Safety	
Short-Range CIP	127
Project Descriptions	132
Long-Range CIP	156

Streets

Short-Range CIP164
Project Descriptions172

Gas

Short-Range CIP220
Project Descriptions223
Long-Range CIP231

Storm Water

Short-Range CIP236
Project Descriptions240
Long-Range CIP255

Water Supply

Short-Range CIP269
Project Descriptions272
Long-Range CIP280

Water

Short-Range CIP285
Project Descriptions291
Long-Range CIP314

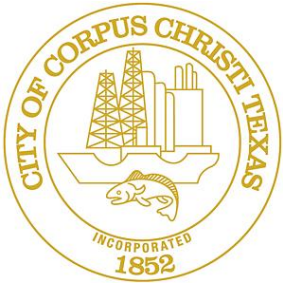
Wastewater

Short-Range CIP322
Project Descriptions327
Long-Range CIP350



CITY MANAGER'S MESSAGE

Obligation to the Future



City of Corpus Christi, Texas

Office of the City Manager

Honorable Mayor, City Council Members, and Residents of Corpus Christi:

Contained herein is the Fiscal 2016 - 2017 Adopted Capital Budget and Capital Improvement Planning Guide, also known as the Capital Improvement Program (CIP). The purpose of the CIP is to identify, plan, prioritize, fund, the construction of projects needed to enhance or maintain the quality of life for the community. This document serves as both a budget – for fiscal year 2017 - and a major planning tool for subsequent years. The ten-year CIP is dynamic in nature and is reviewed and revised annually to ensure projects of greatest need receive the highest priority. Project priorities and available funding are constantly monitored to ensure adequate funding for critical projects and that voter-approved projects are completed in a timely manner. The document reflects the City's planned investment in municipal infrastructure and facilities over the next ten years.

This document incorporates project scopes, costs, and schedules over the next ten years. The individual project pages contain project descriptions which represent brief synopses of the entire project scope; these descriptions are generally more precise for ongoing active projects than for planned new projects, where specific project activities may have yet to be determined. Costs already incurred and future cost estimates are listed for each project. Future costs have been estimated and are shown on a cash flow basis for each fiscal year. Both estimated award design and construction dates are included, and for new projects yet to be designed, timeframes represent an estimated schedule based on their priority sequencing and available funding. The architect/engineer and contractor are listed where applicable. Finally, the expected operational impact and governing master plan reference has been included.

The CIP document includes:

- a fully-funded work plan for Year One, based on available financial capacity and greatest prioritized needs;
- a short-range forecast to facilitate needs-based planning for Years Two and Three, and
- a long-range forecast located at the back of each section, consisting of items considered important, but not yet funded, for sustainability of existing infrastructure, accommodation of growth, and enhanced community enrichments for the next four to ten years.

Managing an effective capital program in tough economic times has been a challenge. The Ten-Year Utility Financial Plan has been included in the utility rate model that projects revenue requirements and long-term rate impacts required to fund the proposed projects and proposed utility operations/debt service. These rates are then formally presented in the operating budget and presented to City Council for consideration and approval.

CAPITAL BUDGET HIGHLIGHTS

AIRPORT PROGRAM

The Master Plan Update for the Corpus Christi International Airport establishes a program for the improvement and development of additional facilities over the next twenty (20) years. It sets the course for development of the Airport to ensure that available assets can meet projected needs and customer demands. As a result, the Fiscal Year 2016–2017 Airport Capital Improvement program reflects a comprehensive evaluation of Airport needs, resulting in a clear and realistic plan for current and future growth. Planned projects support City Council goals of enhanced economic development and promote the airport as the aviation gateway to the South Texas coastal area.

PARKS AND RECREATION PROGRAM

The Parks and Recreation Program is committed to providing social, recreational and cultural events and opportunities for the community as well as visitors to Corpus Christi. This program commitment was supported by the voter approval of the November 2012 Bond election which provided funding to create new and renovate existing parks and recreational facilities throughout the City. Many projects listed in the Bond Issue 2012 Parks Program started construction in FY 2016 and construction on the rest of the various amenities will take place throughout Fiscal Year 2017.

PUBLIC FACILITIES PROGRAM

The focus of the Public Facilities Program for Fiscal Year 2017 will be directed at the design and construction of projects identified through a comprehensive Facilities Study to determine the operational integrity and extended maintenance needs of city-owned facilities located throughout the area. A commitment of \$2 million per year will be used to address projects on a yearly basis to the extent funding allows. Additional planned projects include the construction of improvements approved by City voters in the Bond 2012 Public Facility Program.

PUBLIC HEALTH & SAFETY PROGRAM

The Public Health & Safety Program is highlighted by the construction of improvements to improve service delivery, protect existing equipment, enhance the comfort of the public and invest in projects that will increase revenue. Improvements at the J.C. Elliott and Cefé Valenzuela landfills include planning for future waste disposal needs and minimizing costs through the latest technological advances. General Obligation Bond 2012 Projects include the construction of Phase Two of a Vehicle Impound Yard and Garage and the construction of a new Fire Station #18 in the area of Ayers and Saratoga. Projects utilizing Sales Tax proceeds will be considered by the Corpus Christi Business and Job Development Corporation and must be approved by City Council prior to work beginning.

STREETS PROGRAM

Street quality has an impact on every resident, business, and visitor of our City. Accessibility to businesses, schools, and residential areas impacts the quality of life of our citizens. The Fiscal Year 2016–2017 Street Capital Improvement Program contains projects that maintain or improve roadway infrastructure, ensure adequate street lighting, comply with Americans with Disability (ADA) Act requirements and promote safe and efficient traffic flow. The City of Corpus Christi continues to maximize project funding by actively seeking joint participation with other governmental entities (i.e. TxDOT, MPO, CDBG, etc.) to complete street projects with a maximum benefit for citizens. This year's budget focuses on the construction of projects approved in the 2012 and 2014 Bond Elections.

GAS PROGRAM

This year's Gas Department Capital Improvement Program represents a large investment for the City's natural gas system to address increased growth in the area, expand market development and invest in the infrastructure needs of the system. Previous pipeline expansion projects and pipeline acquisitions have come together to improve service, reliability, cut costs and adequately plan for the future of our distribution system.

Included in the Gas Capital Improvement Program are critical expansion requirements for the main distribution supply lines throughout the city. These projects will connect the existing City distribution system to the North Beach distribution system, the Annville/Calallen distribution system, and the Padre Island System. When complete, the Gas Department will have consolidated from five independent distribution systems to one. With the expansion of the main distribution supply line to the Annville/Calallen, North Beach, Violet, and Padre Island areas, the reliability of the distribution system as a whole is greatly increased and redundancy is accomplished. Deliverability and capacity of the system is anticipated to increase.

STORM WATER PROGRAM

This year's Storm Water Capital Improvement Program represents a significant investment in the City's storm water system to address increased development and critical storm water infrastructure throughout the City. Planned improvements will allocate resources for improving major and minor channels, underground main trunk lines, box culverts, collection systems, curb & gutter, inlets and outfall structures - as required by the City's Texas Pollutant Discharge Elimination System (TPDES) Permit. Significant initiatives included in the Capital Improvement Program focus on insuring compliance with state and federal regulatory requirements and planning to address the capacity limitations of existing systems.

WATER PROGRAM

The City's Fiscal Year 2016–2017 Water Capital Improvement program represents a significant investment of resources to enable delivery of a reliable source of potable water to residents, while balancing the long-term needs of the City and the region. Through periodic updates of the City-Wide Water Distribution Master Plan, local and area needs are modeled and the information is used in the development of a capital program that is responsive to population growth, rehabilitation/replacement of aging infrastructure, and meeting regulatory requirements while remaining attentive to funding limitations. This year's Water CIP includes projects relating to Water Treatment, Network and Distribution Improvements.

WATER SUPPLY PROGRAM

Water Supply projects are designed to maintain the City's existing water supply facilities and to provide additional delivery facilities and supply sources. Fiscal Year 2017 projects address long term water needs and investigate alternate water delivery methods with a demonstration project to site, construct and implement a test desalination plant operating at 200,000 gallons per day. An additional project will provide for significant improvements to the Wesley Seale Dam system over the next several years.

WASTEWATER PROGRAM

This year's Wastewater Capital Improvement Program represents a significant investment in the City's aging wastewater system. Planned improvements will allocate resources between the upgrading of treatment facilities, improved capacity of wastewater mains, the reduction of wastewater odors, and securing alternate power at critical facilities. Significant initiatives included in the Capital Improvement Program are focused on insuring compliance with state and federal regulatory requirements. The City of Corpus Christi's Wastewater Department is currently responsible for six wastewater treatment plants, ninety-nine lift stations, approximately 1,243 miles of wastewater mains, and approximately 54 miles of force mains.

In conclusion, this document recognizes that maintenance and provision of public facilities and infrastructure is critical to enhancing our citizen's quality of life and encouraging economic growth. This document reflects a concerted effort to achieve a balance between available resources and necessary improvements. I would like to express my appreciation to the team responsible for its compilation.

Respectfully



Margie C. Rose
City Manager

CIP Planning Guide - Major Sections

Term

Years 4+

Long-Range CIP

Description

Planned Funding

Years 2&3

Short-Range CIP

Programmed Funding

Year 1

Annual Capital Budget

1st Year of Short-Range CIP – Fully Funded

FY 2017 CAPITAL BUDGET SCHEDULE

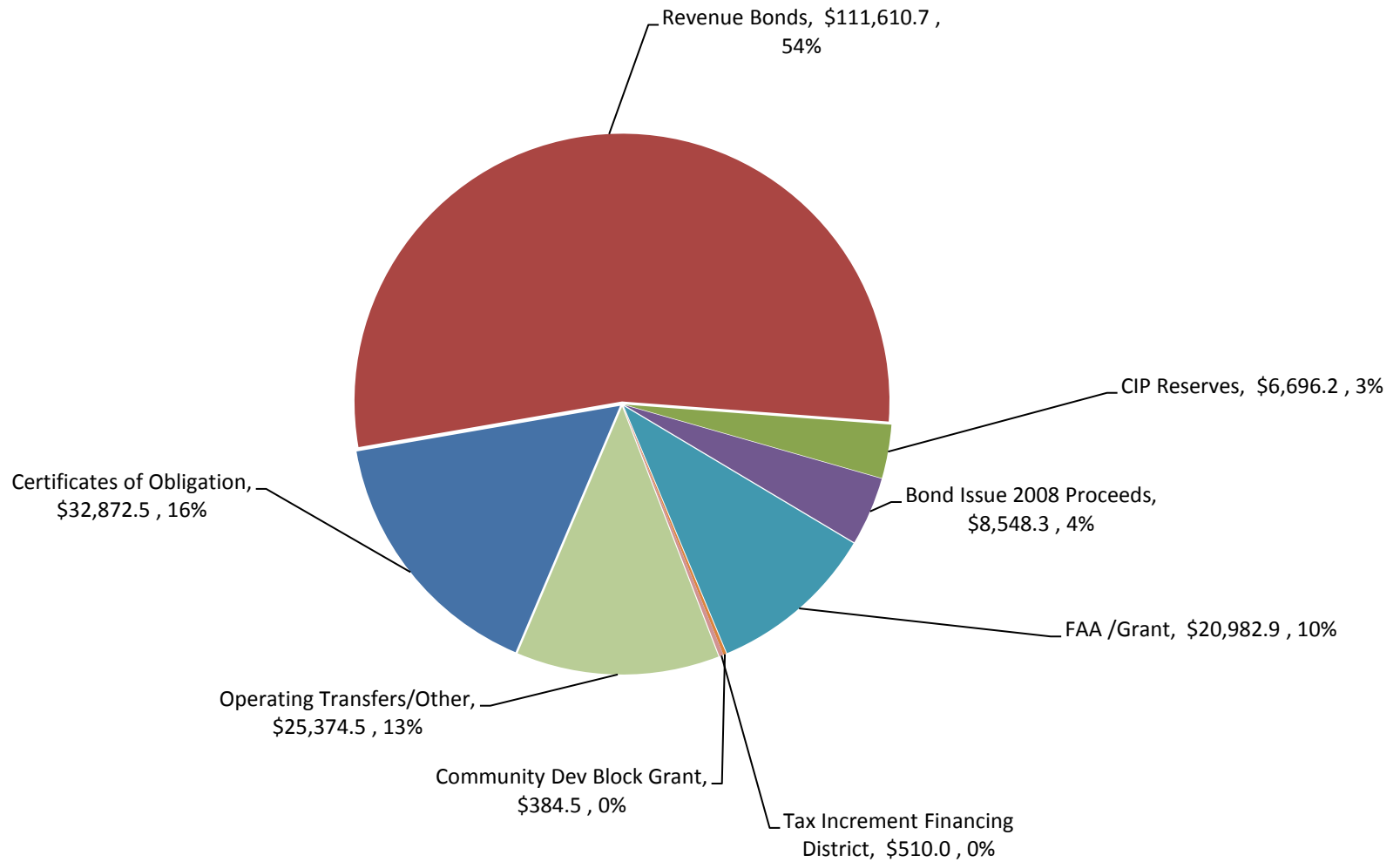
Friday, April 29, 2016	Work begins on Compiling Project Pages for CIP Book Sections
Monday, June 27, 2016	Draft Capital Budget Book Short-Range Pages Delivered to Executive Committee for Review and Comment
Wednesday June 29, 2016	Planning Commission Meeting – Document Overview, Public Hearing & Recommendations
Friday, July 29, 2016	Draft Capital Budget Book Given to Planning Committee & Council
Wednesday, August 10, 2016	Draft Capital Budget Book Presentation to Planning Committee
Tuesday, August 16, 2016	Council Capital Budget Presentation
Tuesday, August 16, 2016	Regular City Council Meeting- Council Discussion/1st Reading & Approval
Tuesday, August 23, 2016	Regular City Council Meeting-Council Discussion & Approval



CAPITAL BUDGET

Obligation to the Future

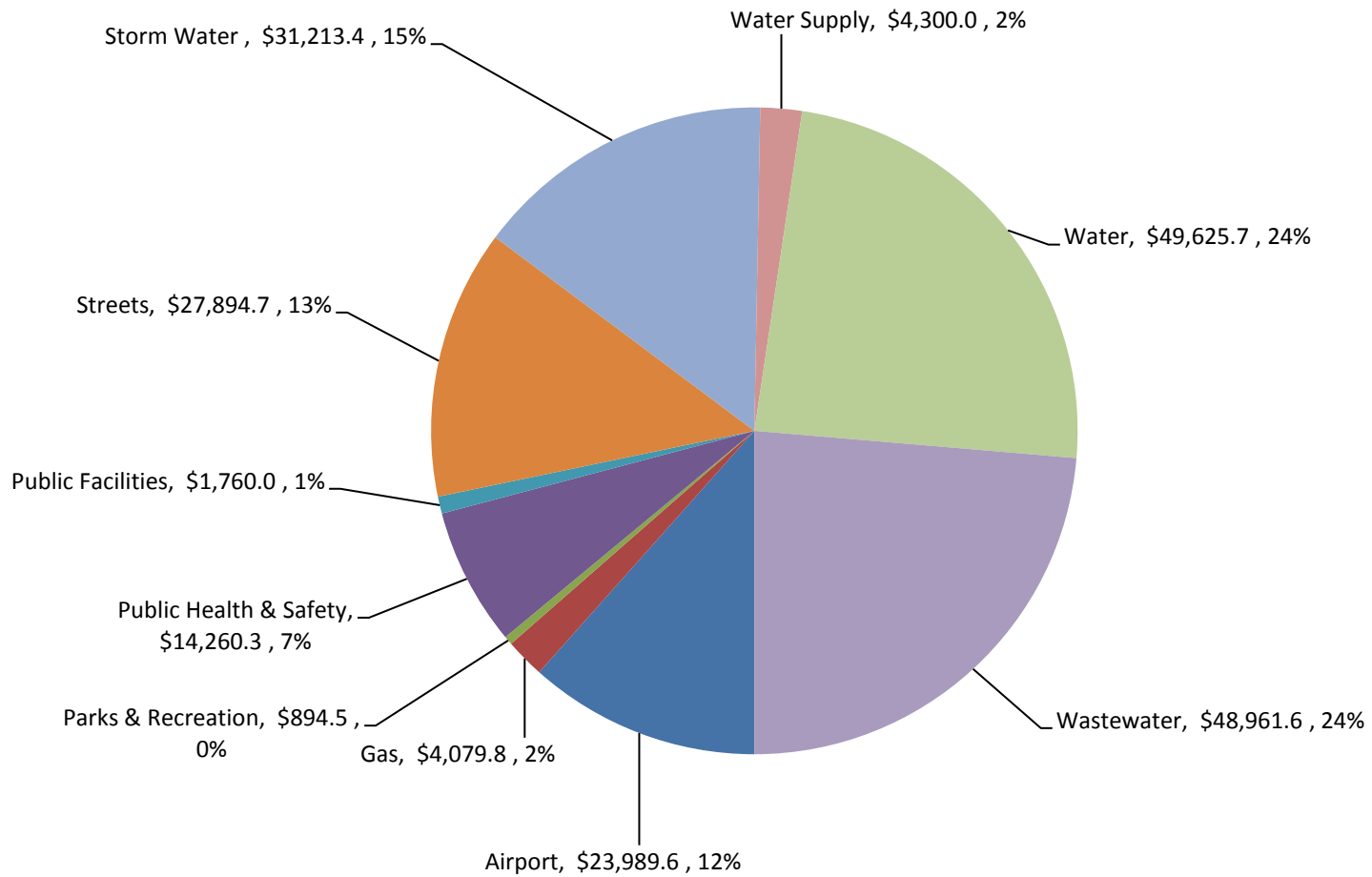
2017 Funding Sources by Type: \$206,979.6 (Amounts in 000's)



2017 CAPITAL BUDGET SUMMARY
(Amounts in 000's)

Funding Sources by Type	Amount	% of Total
CIP Reserves	\$ 6,696.2	3.2%
Certificates of Obligation	32,872.5	15.9%
Revenue Bonds	111,610.7	53.9%
Bond Issue 2008 Proceeds	8,548.3	4.1%
FAA/ Grant	20,982.9	10.1%
Texas Department of Transportation	-	0.0%
Community Dev Block Grant	384.5	0.2%
Tax Increment Financing District	510.0	0.2%
Operating Transfer/Other	25,374.5	12.3%
 Total FY 2017 Capital Sources	 <u>\$ 206,979.6</u>	 <u>100%</u>

**2017 Funding Uses by Program: \$206,979.6
(Amounts in 000's)**



2017 CAPITAL BUDGET SUMMARY
(Amounts in 000's)

Funding Uses by Program	Amount	% of Total
Airport	23,989.6	11.6%
Parks & Recreation	894.5	0.4%
Public Facilities	1,760.0	0.9%
Public Health & Safety	14,260.3	6.9%
Streets	27,894.7	13.5%
Gas	4,079.8	2.0%
Storm Water	31,213.4	15.1%
Water Supply	4,300.0	2.1%
Water	49,625.7	24.0%
Wastewater	48,962	23.7%
Total FY 2017 Capital Uses	\$ 206,979.6	100%

2017 CAPITAL BUDGET
(Amounts in 000's)

PROJECT RECOMMENDATIONS		FUNDING SOURCES	
Airport			
Reconstruct Air Carrier Ramp	\$ 5,555.6	FAA Grant	\$ 20,982.9
Runway 17-35 Safety Mitigation	2,018.4	Airport CIP Reserves	2,100.9
Reconstruct East General Aviation (EGA) Apron	2,389.0	Certificates of Obligation	905.8
Rehabilitate North General Aviation (NGA) Apron	175.0	CFC	-
Runway 13-31 Extension Safety Mitigation	4,734.0		
Taxiway Reconfiguration	1,104.5		
N General Aviation (NGA) Apron Extension	506.4		
CCIA Air Operations Area (AOA) Perimeter Fence	7,006.7		
Reconstruction of Glasson Road	500.0		
Total Projects:	\$ 23,989.6	Total Funding:	\$ 23,989.6
Parks & Recreation			
Sacky Park	\$ 184.5	Community Dev Block Grant	\$ 384.5
Packery Channel Miscellaneous Improvements	510.0	Tax Increment Finance District	510.0
Ben Garza Park Improvements	200.0		
Total Projects:	\$ 894.5	Total Funding:	\$ 894.5
Public Facilities			
Central Library Roof Replacement	\$ 850.0	Certificates of Obligation	\$ 1,760.0
Repairs to Recreation Centers - City Wide	\$ 500.0		
New Roof at City Service Center Warehouse	410.0		
Total Projects:	\$ 1,760.0	Total Funding:	\$ 1,760.0
Public Health & Safety			
Landfill Pavement / Roadway Life Cycle Replacement	\$ 750.0	Sales Tax Proceeds	\$ 3,400.0
Cefe Valenzuela Landfill Liquids (Leachate) Mgmt	2,897.1	Certificates of Obligation	10,860.3
Cefe Valenzuela Landfill Disposal Cells Interim Covers	3,888.2		
Cefe Valenzuela Landfill Gas Collection and Control System	2,000.0		
Cefe Valenzuela Landfill Gas Flare for Gas Collection & Control Sys	500.0		
J.C. Elliot Landfill Leachate Collection System Upgrade	300.0		
Cefe Valenzuela Landfill Disposal Cells Construction Sectors 2A & 2B	25.0		
Landfill Erosion Control Lifecycle Rehabilitation	250.0		
Landfill on Call Support Services	250.0		
Seawall Capital Repairs	200.0		
Barge Dock Improvements	500.0		
Salt Flats Levee Improvements	1,000.0		
Repair Marina Breakwater at Magee Beach	500.0		
McGee Beach Nourishment/Boat Basin Dredging	200.0		
Science & History Muesum Flood Wall	500.0		
Kinney & Power Street Pump Station Improvements	500.0		
Total Projects:	\$ 14,260.3	Total Funding:	\$ 14,260.3
Streets			
Gollihar Rd - Weber Rd to Carroll Lane	\$ 2,921.4	Street Reserves	\$ -
S Alameda St - Ayers St to Louisiana Ave	1,014.6	Bond Issue 2008 Proceeds	8,548.3
Greenwood Dr - Gollihar Rd to Home Rd	208.0	Certificates of Obligation	19,346.4
Ocean Dr - Buford St to Louisiana Ave	116.0	Texas Dept of Transportation	-
Tuloso Rd - Interstate Highway 37 to Leopard St	1,463.0		
S Staples St - Brawner Parkway to Kostoryz Rd	2,894.0		
Alameda St - Kinney to Lipan	1,312.5		
Morgan Ave - Ocean Dr to S Staples St	829.7		
Gollihar Rd - S Staples St to Weber Rd	3,838.0		
Kostoryz Rd - Brawner Parkway to Staples St	4,306.1		
Corona Dr - Flynn Parkway to Everhart	1,162.9		
Morgan Ave - S Staples St to Crosstown Freeway	1,567.2		
Ayres St - Ocean Dr to Alameda St	3,087.1		
Yorktown Rd - Lake Travis to Everhart Rd	672.1		
Holly Rd - Corsstown Freeway to Greenwood Dr	6,508.3		

2017 CAPITAL BUDGET
(Amounts in 000's)

PROJECT RECOMMENDATIONS		FUNDING SOURCES	
Streets (Con't)			
Williams Dr Ph3 - S Staples to Airline Rd	964.4		
S Staples St - Alameda St to Morgan Ave	930.5		
Ayres St - Pedestrian Improvements and Turn Land Addition	5,842.0		
Downtown Street Traffic Signal And Area Improvements	2,213.4		
Flato Road - Agnes to Bates	1,635.2		
North Padre Island Beach Access Roads (3A & 2)	49.3		
Creek View Dr Extension	9.5		
Southern Minerals Rd - Up River Rd to IH 37	796.7		
Yorktown Rd - Everhart Rd to S Staples	2,983.9		
Carroll Lane - Houston to McArde Rd	2,383.8		
Old Robstown Rd - State Highway 44 to Leopard St	2,421.6		
Twig St - Shoreline Blvd to Lower Broadway	801.4		
Leopard St - Crosstown Freeway to Palm Dr	1,244.0		
Chaparral St Ph2 - Downtown Development Master Plan	2,006.3		
Rodd Field Rd Expansion - Saratoga to Yorktown	1,669.0		
Ennis Joslin Extension - Holly to Williams	2,463.4		
Park Rd 22 Bridge	8,560.7		
Utility relocations funded by Utilities (See Airport, Storm Water, Water, Gas, & Wastewater)	(40,981.3)		
	<u>27,894.7</u>		
Total Projects:	\$ 27,894.7	Total Funding:	\$ 27,894.7
Gas			
West Side Interior Loop	\$ 750.0		
Gas Line Replacement/Extension Program	1,600.0	Revenue Bonds	4,079.8
Gas Line Parallel to Padre Island Water Main Ph 2	500.0		
Public Fill CNG Station	100.0		
High Pressure Cathodic Protection Master Plan	329.8		
Street Utility Relocations	800.0		
	<u>4,079.8</u>		
Total Projects:	\$ 4,079.8	Total Funding:	\$ 4,079.8
Storm Water			
Lifecycle Pipe Rehabilitation & Replacement	\$ 2,500.0	Revenue Bonds	\$ 30,018.1
IDIQ Major Ditch Improvements	500.0	Storm Water Capital Reserve	1,195.3
Drainage Channel Excavation - Master Channel 31	500.0		
Oso Creek Basin Drainage Relief	500.0		
Unanticipated Storm Water Capital Requirements	600.0		
Schanen Ditch Improvements Ph 2	500.0		
Gollihar Outfall Repairs	800.0		
Lifecycle Curb and Gutter Replacement	600.0		
Minor Channel Improvements	400.0		
Storm Water Master Plan Update	250.0		
Major Outfall Assessment and Repairs	500.0		
Bridge Rehabilitation	300.0		
Developer Participation - Storm Water	50.0		
Street Utility Relocations	23,213.4		
	<u>31,213.4</u>		
Total Projects:	\$ 31,213.4	Total Funding:	\$ 31,213.4
Water Supply			
City of Corpus Christi Desalination Program	300.0	Revenue Bonds	\$ 3,500.0
Choke Canyon Dam Spillway Gate Rehabilitation	500.0	Raw Water Supply Fund	300.0
Corpus Christi Reservoir Operating Sys Infrastructure Improvements	1,500.0	Choke Canyon Trust Fund	500.0
Weasley Seale Instrumentation Testing and Replacement	2,000.0		
	<u>4,300.0</u>		
Total Projects:	\$ 4,300.0	Total Funding:	\$ 4,300.0

2017 CAPITAL BUDGET
(Amounts in 000's)

PROJECT RECOMMENDATIONS		FUNDING SOURCES	
Water			
Programmed Water Line Service Life Extension	\$ 7,450.0	Revenue Bonds	\$ 39,228.1
Elevated Water Storage Tanks PH2	7,250.0	Water Capital Reserve	\$ 3,400.0
ON Stevens Chemical Facilities (Alum, Fluoride, Polymer, and LAS)	500.0	Pay as You Go	6,998
ONS WTP High Service Building 3	6,200.0		
ONS Water Treatment Plant Fluoride Feed System Improvement	1,100.0		
ONS Stevens Raw Water Influent Improvements	500.0		
Water Treatment On-Call Support	50.0		
ONS Water Treatment Plant Interim Sludge Mgm't Improvements	2,500.0		
Utility Building Expansion	1,500.0		
Water System Process Control Reliability Improvements	500.0		
Staples St Pump Station Ph 2 - 3rd & 4th pumps	687.4		
Padre Island Water Pipeline Extension Ph 3	400.0		
ONS Water Treatment Plant Solids Handling & Disposal Facilities	600.0		
ONS Water Treatment Plant Chlorine Storage & Handling Facilities	1,000.0		
ONS Water Treatment Plant Site Infrastructure Improvements	500.0		
TxDot Water Line Relocation (Harbor Bridge)	4000.0		
Developer Utility Participation - Water	49.0		
Water Meter and Automated Meter Reading Improvements	250.0		
Street Utility Relocations	11,189.3		
Nueces River Raw Water Pump Station	\$ 3,400.0		
	<u>\$ 49,625.7</u>	Total Funding:	<u>\$ 49,625.7</u>

Wastewater

Whitecap Wastewater Treatment Plant Odor Control, Process and Bulkhead Improvements	2,500.0	Revenue Bonds	34,784.7
City-Wide Wastewater Lift Station Alternate Power Supply	300.0	Pay as You Go	14,176.9
Whitecap Wastewater Treatment Plant UV System Upgrade	4,500.0		
City-Wide Collection System IDIQ (SSOI)	12,000.0		
Laguna Shores Road Force Main Replacement	500.0		
Wastewater Treatment Plants Consolidation	1,000.0		
Oso Water Reclamation Plant Nutrient Infrastructure Rehab & Improve	1,500.0		
Laguna Madre WWTP Head Works & Bar Screen Improvements	200.0		
Capacity Assessment Improvements	2,000.0		
Greenwood WWTP Electrical Improvements to UV System	2,500.0		
McBride Lift Station and Force Main Improvements	3,100.0		
Lift Station Repairs - Citywide	1,500.0		
TxDOT Wastewater Line Relocation	6,850.0		
Sharpsburg Lift Station Upgrade & Up River Rd Force Main Rehab	200.0		
Greenwood WWTP Structural Repairs	2,000.0		
Large Diameter Force main Condition Assessment	520.0		
Old Broadway Wastewater Plant Decommissioning	500.0		
Unanticipated Wastewater Capital Requirements	250.0		
Wastewater Treatment On-Call Support	350.0		
Developer Utility Participation	113.0		
Street Utility Relocations	6,578.6		
	<u>\$ 48,961.6</u>	Total Funding:	<u>\$ 48,961.6</u>

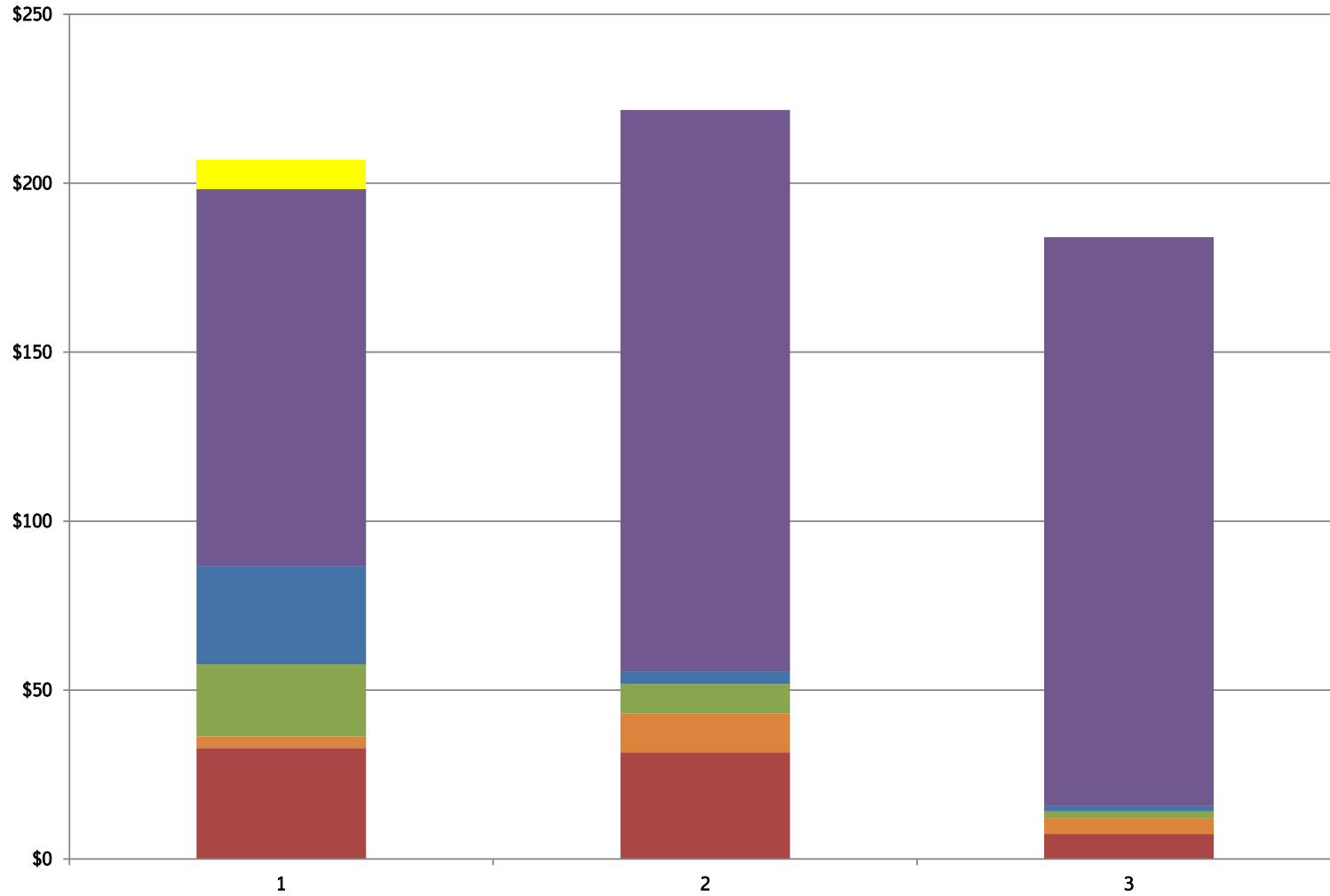
TOTAL CAPITAL BUDGET: \$ 206,979.6



CIP SUMMARY

REVENUES BY TYPE (3 Years)

Millions



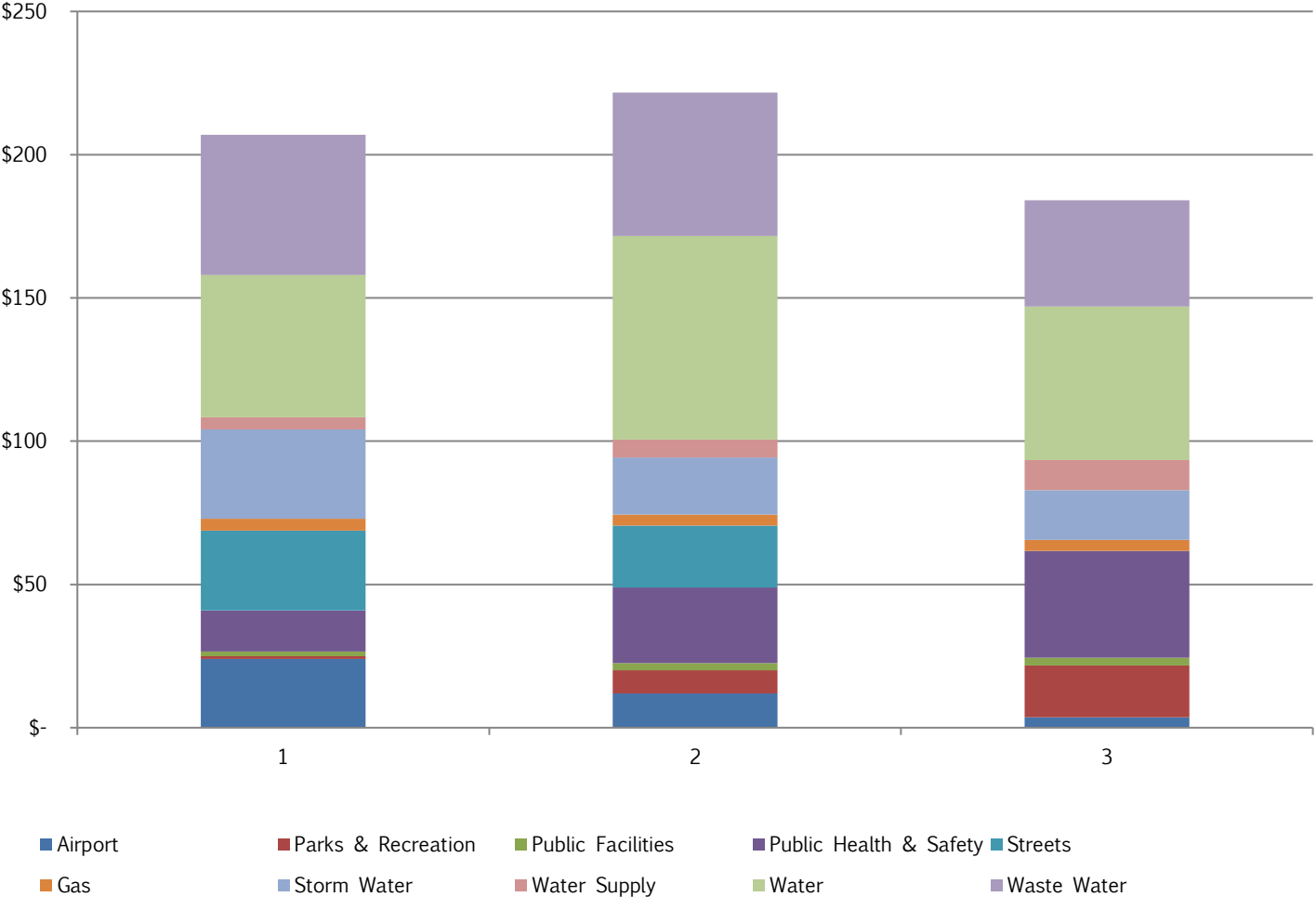
■ Certificates of Obligation ■ Sales Tax Proceeds (4A) ■ Grants (FEMA, CDBG, TPW, etc.) ■ Other (TxDOT, TIF#2, Military Rev. Loan, etc.) ■ Rev. Bonds ■ G. O. Bonds

SHORT-RANGE CIP SUMMARY
Funding Sources by Revenue Type
(Amounts in 000's)

Type	Estimated Project-to- Date Funding Sources thru July '16	CIP Budget Year 1 2016-2017	Year 2 2017-2018	Year 3 2018-2019	Three Year Total
CDBG Program		\$ 384.5			\$ 384.5
Certificates of Obligation	10,221.8	32,872.5	31,539.9	7,438.9	71,851.3
CIP Reserves	2,552.1	6,696.2	2,908.1	500.0	10,104.3
Utility Revenue Bonds	457,415.5	76,826.0	116,182.7	85,295.5	278,304.2
Bond Issue 2004 Proceeds	2,598.5				-
Grant / FAA	50,459.9	20,982.9	8,747.6	2,150.1	31,880.6
Other Funding	8,079.9	21,974.5	275.0	750.0	22,999.5
Nueces County Contribution					-
Tax Increment Financing District	1,360.5	510.0	510.0	510.0	1,530.0
Bureau of Reclamation Grant	400.0				-
Tax Notes	7,117.9				-
Texas Parks and Wildlife Department Grant					-
Texas General Land Office					-
Military Revolving Loan					-
Texas Water Development Board	8,397.5				-
Sales Tax Proceeds (4A)		3,400.0	11,500.0	4,500.0	19,400.0
Bond 2012	69,555.5				-
Bond Issue 2008 Proceeds	9,307.0	8,548.3			8,548.3
Bond 2014	87,039.7				-
Community Enrichment Fund					-
Texas Department of Transportation	8,994.7				-
Future Bond Issue		34,784.7	50,013.0	82,904.0	167,701.7
Regional Transportation Authority					-
	\$ 723,500.5	\$ 206,979.6	\$ 221,676.3	\$ 184,048.5	\$ 612,704.4

PROGRAM EXPENDITURES (3 Years)

Millions

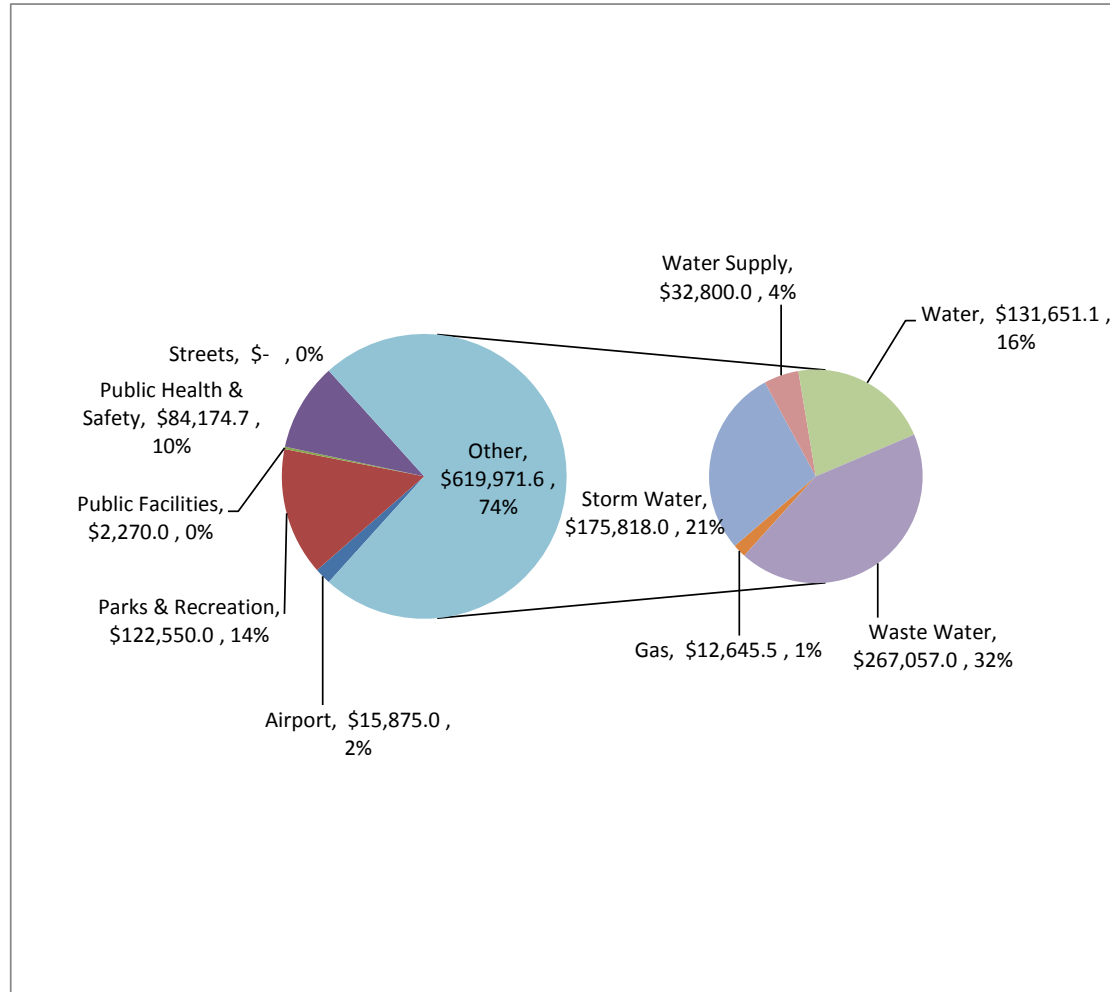


SHORT-RANGE CIP SUMMARY
Expenditures by Program/Project
(Amounts in 000's)

Program / Project	Project Budget	CIP Budget			Three Year Total
	as of July '16.	Year 1 2016-2017	Year 2 2017-2018	Year 3 2018-2019	
Airport	\$ 56,066.70	\$ 23,989.60	\$ 11,969.60	\$ 3,639.0	\$ 39,598.20
Parks & Recreation	28,555.1	894.5	8,055.0	18,115.0	27,064.5
Public Facilities					
Police & Park Operations Building Roof	-		1,100.0		1,100.0
Signs/Signals - New shop & Offices	2,575.0				-
Repairs to Senior Centers City Wide			500.0	800.0	1,300.0
Various Recreation Centers Roofs & Repairs			490.0	860.0	1,350.0
Various Fire Station Roofs			70.0	164.0	234.0
City Svc Center Warehouse Roof		410.0			410.0
Repairs Recreation Centers - City Wide	-	500.0			500.0
Various Library Roofs	340.0	850.0			850.0
Various Repairs & Upgrade City Wide	-		368.0	857.0	1,225.0
Comprehensive Facilities Master Plan	2,050.0				-
Comprehensive Facilities Improvements	-	-	-	-	-
subtotal	4,965.0	1,760.0	2,528.0	2,681.0	6,969.0
Public Health & Safety					
Public Safety Warehouse for Fire and Police					-
Relocation of Fire Station #5					-
New Fire Station in the Area of Holly/Saratoga	2,033.3				-
Barge Dock Improvements	-	500.0			500.0
Other	3,317.1	13,760.3	26,345.0	37,305.0	77,410.3
subtotal	5,350.4	14,260.3	26,345.0	37,305.0	77,910.3
Streets (less Utility Support)					
Street Improvements	220,188.4	68,876.0	21,602.3	-	90,478.3
ADA Specific Improvements					-
subtotal (includes Utility Support)	220,188.4	68,876.0	21,602.3	-	90,478.3
Less Utility Support		(40,981.3)			(40,981.3)
subtotal	220,188.4	27,894.7	21,602.3	-	49,497.0
Utilities (with Street Utility Relocations)					
Gas	12,019.6	4,079.8	3,915.5	3,845.5	11,840.8
Storm Water	62,469.1	31,213.4	19,897.9	17,300.0	68,411.3
Water Supply	178,946.6	4,300.0	6,200.0	10,500.0	21,000.0
Water	61,114.9	49,625.7	71,150.0	53,650.0	174,425.7
Wastewater	93,824.7	48,961.6	50,013.0	37,013.0	135,987.6
subtotal	408,374.9	138,180.5	151,176.4	122,308.5	411,665.4
TOTAL:	\$ 723,500.5	\$ 206,979.6	\$ 221,676.3	\$ 184,048.5	\$ 612,704.4

Combined Summary Long-Range CIP by Program (Amounts in 000's)

Program	FY 2019 AND BEYOND	%
Airport	\$ 15,875.0	2%
Parks & Recreation	\$ 122,550.0	15%
Public Facilities	\$ 2,270.0	0%
Public Health & Safety	\$ 84,174.7	10%
Streets (utilities incl.)	N.A.V.	
Gas	\$ 12,645.5	1%
Storm Water	\$ 175,818.0	21%
Water Supply	\$ 32,800.0	4%
Water	\$ 131,651.1	16%
Waste Water	\$ 267,057.0	32%
TOTAL:	\$ 844,841.3	100%



DESCRIPTION / EXPLANATION OF FUNDING SOURCES

CERTIFICATES OF OBLIGATION - debt instruments secured by the taxing power of a city. They do not require voter authorization.

COMMUNITY DEVELOPMENT BLOCK GRANT - funds made available from the U.S. Department of Housing and Urban Development (HUD) to assist local governments in providing improvements for low to moderate income families in designated areas. Funding is received via annual allocation from HUD based on the City's Consolidated Annual Action Plan which is prepared annually pursuant to a separate Council-approved process.

GENERAL OBLIGATION BONDS – bonds requiring voter approval and are used to finance a variety of general improvement capital projects including streets, buildings and parks. These bonds are backed by the full faith and credit of the City.

MILITARY REVOLVING LOAN – proceeds received from a State of Texas loan program for projects to enhance the military value of NAS Corpus Christi.

PADRE ISLAND TAX INCREMENT FINANCING DISTRICT - financing method whereby tax revenue over a base amount, often referred to as an increment, is pledged by participating taxing entities to service debt issued in association with a specific project. The Padre Island Tax Increment Financing District will provide funding for the North Padre Island Storm Drainage Reduction and Environmental Restoration Project (Packery Channel).

TYPE A BOARD PROCEEDS – city sales tax proceeds dedicated to Economic Development, Arena, or Seawall. Each area collects 1/8th of a cent.

RESERVES – generally unused capital funds from a prior period and/or excess operating funds appropriated for capital projects.

DESCRIPTION / EXPLANATION OF FUNDING SOURCES

(continued)

PASSENGER FACILITY CHARGE (PFC) - a \$4.50 per enplaned passenger fee that is authorized by the Federal Aviation Administration and assessed by the City of Corpus Christi. The PFC provides funding for major capital improvements such as the current Airport Terminal Reconstruction Project.

REVENUE BONDS - bonds payable from a specific source of revenue such as utilities which does not pledge the City's full faith and credit. Most of the City's outstanding revenue bonds have been issued to fund utility projects.

STATE INFRASTRUCTURE BANK LOAN - proceeds from a State of Texas low-interest loan program that were secured by the City of Corpus Christi to fund its share of construction costs associated with projects.

STATE REVOLVING FUND LOAN - proceeds received from a State of Texas program that provides funding for specific wastewater utility projects. SRF loans usually have more favorable terms and interest rates than conventional funding sources.

STREET ASSESSMENT APPROPRIATIONS - revenue derived from payments by private property owners who volunteer to be assessed for a portion of street improvements undertaken by the City as part of larger street improvements program.

TRUST FUNDS - funds which are established to account for all assets received by the City that are in the nature of a dedicated trust and not accounted for in other funds.

LAWSUIT SETTLEMENT PROCEEDS – generally includes operating funds being allocated toward court order capital projects.

REGIONAL TRANSPORTATION AUTHORITY (RTA) – generally funded annually under an existing interlocal agreement, whereby the RTA provides funding primarily for street improvements.



UTILITY RATES

Obligation to the Future

	2016	2017
Average ICL Res Water Rate @ 3,000 gallons (Water rate per gallons on following page)	\$21.19	\$21.19
Average Wastewater Rate @ 3,000 gallons	\$38.86	\$38.86
Average Gas Rate @ 3,000 gallons	\$17.46	\$17.46

INSIDE-CITY

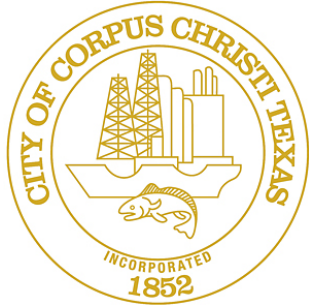
Residential

	2016	2017
MIN	\$14.12	\$14.12
3,000 gals/mo	\$21.19	\$21.19
4,000 gals/mo	\$28.25	\$28.25
5,000 gals/mo	\$35.31	\$35.31
6,000 gals/mo	\$42.37	\$42.37
10,000 gals/mo	\$74.26	\$74.26
12,000 gals/mo	\$90.21	\$90.21
15,000 gals/mo	\$115.24	\$115.24
20,000 gals/mo	\$153.17	\$153.17
35,000 gals/mo	\$266.99	\$266.99
45,000 gals/mo	\$342.86	\$342.86



AIRPORT

Obligation to the Future



CITY OF CORPUS CHRISTI AIRPORT PROGRAM

Capital improvements for Corpus Christi International Airport (CCIA) are primarily developed in accordance with the 2005 Airport Master Plan and the Federal Aviation Administration (FAA) grant funding process. The Master Plan establishes a program for the improvement of existing facilities and the development of additional facilities over the next twenty (20) years. In addition, the FAA establishes the grant project funding criteria based on type and overall nation-wide priorities. The Plan outlines projects for development of the Airport and ensures available assets will meet projected needs and customer demands. In accordance with the Plan, the Fiscal Year 2016–2017 Airport Capital Improvement program reflects a comprehensive evaluation of Airport needs, resulting in a clear and realistic plan for current and future growth. Planned projects support City Council goals of enhanced economic development and providing access to aeronautical services for the Coastal South Texas Region.

The Proposed FY 2016-17 Airport Capital Improvement Program is highlighted by the close-out phase of the Runway 17-35 and 13-31 Extension / Safety Projects. As of May 27, 2016, both runways are fully operational after approximately \$53 million in capital improvements. Year 1 of the FY 2016-17 Airport Capital Plan also reflects the Air Operations Area (AOA) Perimeter Fence Project which will replace approximately nine (9) miles of existing 6' CCIA perimeter fence with an 8' fence and a concrete apron under the fence to prevent wildlife intrusion.

Although included in the Street section of the Capital Improvement Plan, another major Airport highlight is the rehabilitation of International Drive which includes full depth repairs of pavement base failure, installation of concrete edging, storm water and signage improvements. This project is primarily funded by the Bond 2012 Program and not reflected in the Airport Program.

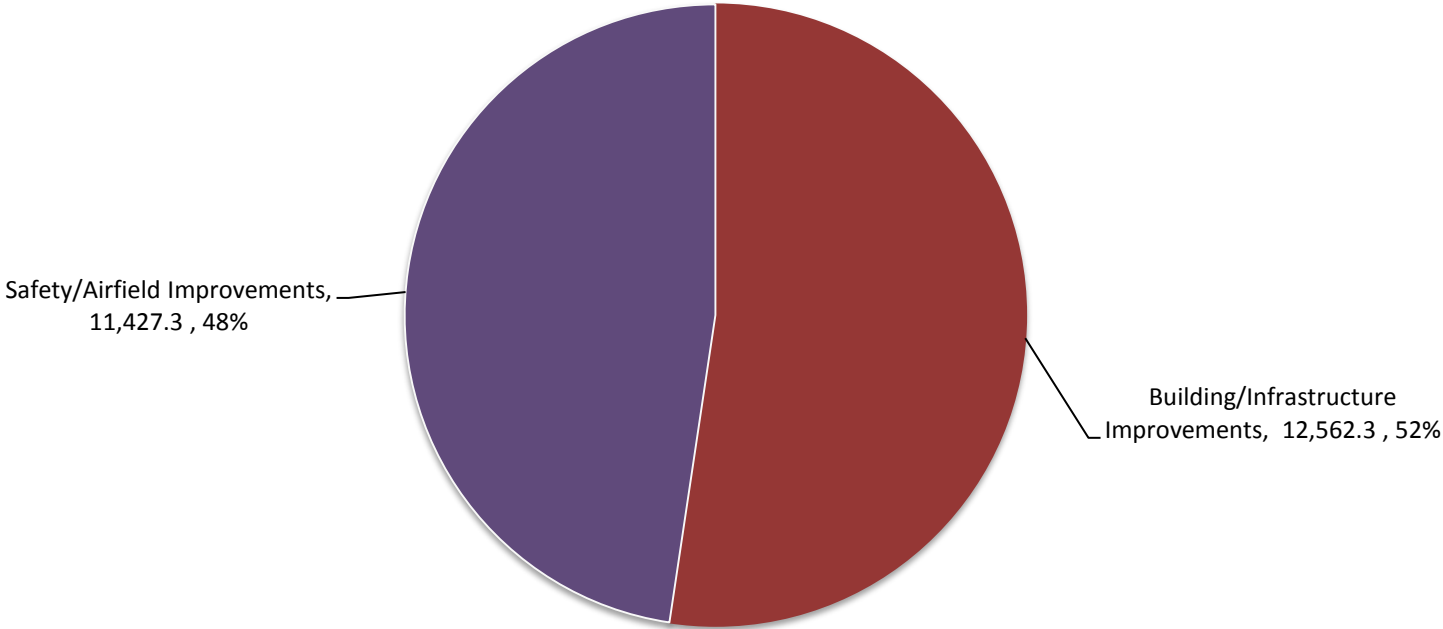
Years 2 and 3 of the Airport Short-Range Capital Improvement Plan include projects that improve airport pavement infrastructure. The East General Aviation Apron will be rehabilitated as well as the reconstruction of the current air carrier ramp. Also proposed are parking lot improvements, construction of a fuel farm for General Aviation (GA) customers, rehabilitation of select terminal areas and replacement of an Aircraft Rescue Fire Fighting (ARFF) vehicle. Airport staff continues negotiations for several business development options including the construction and operation of general aviation hangars and other revenue generating ventures.

Long-range improvements reflect infrastructure maintenance and rehabilitation as required by existing conditions. Several revenue-generating projects are planned to make the airport a superior facility for traveler convenience and comfort. Timelines for capital improvement projects are subject to Federal Aviation Administration entitlement grant levels and discretionary funding.

A recap of the budgeted expenditures includes:

	YEAR ONE 2016 – 2017	YEAR TWO 2017 – 2018	YEAR THREE 2018 - 2019
TOTAL PROGRAMMED EXPENDITURES:	\$ 23,989,600	\$ 11,969,600	\$ 3,639,000
FUNDING:			
Certificates of Obligation (Issued)	\$ 905,800	\$ 238,900	\$ 238,900
Airport Operating Fund Reserve	\$ 2,100,900	\$ 2,908,100	\$ 500,000
FAA Grant	\$ 20,982,900	\$ 8,747,600	\$ 2,150,100
Customer Facility Charge	\$ 0	\$ 75,000	\$ 750,000
TOTAL PROGRAMMED FUNDS:	\$ 23,989,600	\$ 11,969,600	\$ 3,639,000

**Airport
Annual CIP: \$23,989.6
(Amounts in 000's)**



Seq #	Project Name	Project-to-Date Obligations February 2015	Unspent Prior Budget as of March 2015	CIP Budget Year 1 2015 - 2016	Year 2 2016 - 2017	Year 3 2017 - 2018	Three Year Total
AV01	North General Aviation (GA) Apron Extension Finance and Engineering Number: E12156B	2,205.4	-	506.4	-	-	506.4
AV02	Runway 17-35 Safety Mitigation Finance and Engineering Number: E11046	17,143.7	-	2,018.4	-	-	2,018.4
AV03	Taxiway Reconfiguration Finance and Engineering Number: E11048	7,567.6	-	1,104.5	-	-	1,104.5
AV04	Runway 13-31 Extension Safety Mitigation Finance and Engineering Number: E11047/E11046	28,878.0	-	4,734.0	-	-	4,734.0
AV05	Reconstruct East General Aviation (EGA) Apron Finance and Engineering Number: E12156	272.0	-	2,389.0	2,389.0	2,389.0	7,167.0
AV06	CCIA Air Operations Area (AOA) Perimeter Fence Replacement Finance and Engineering Number: TBD	-	-	7,006.7	-	-	7,006.7
AV07	Reconstruct Air Carrier Ramp Finance and Engineering Number: TBD	-	-	5,555.6	5,555.6	-	11,111.2
AV08	Rehabilitate North General Aviation (NGA)Apron Finance and Engineering Number: E11122	-	-	175.0	-	-	175.0
AV09	Aircraft Rescue Fire Fighting (ARFF) Equipment Finance Number: TBD	-	-	-	750.0	-	750.0
AV10	Reconstruction of Glasson Road Finance and Engineering Number: TBD	-	-	500.0	-	-	500.0

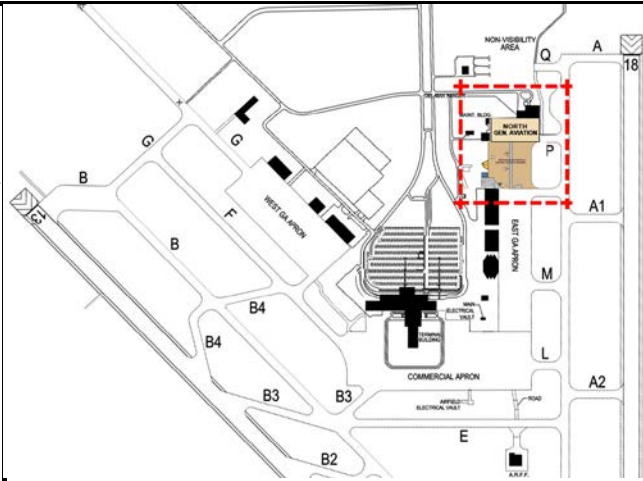
Seq #	Project Name	Project-to-Date Obligations February 2015	Unspent Prior Budget as of March 2015	CIP Budget Year 1 2015 - 2016	Year 2 2016 - 2017	Year 3 2017 - 2018	Three Year Total
AV11	Airport Layout Plan Finance and Engineering Number: TBD	-	-	-	400.0	-	400.0
AV12	Parking Lot Improvements Finance and Engineering Number: TBD	-	-	-	2,175.0	-	2,175.0
AV13	Master Plan Finance and Engineering Number: TBD	-	-	-	625.0	-	625.0
AV14	Car Rental Ready Return Parking Lot Finance and Engineering Number: TDB	-	-	-	75.0	750.0	825.0
AV15	Airport Fuel Farm Finance and Engineering Number: TBD	-	-	-	-	500.0	500.0
Program Total:		56,066.7	-	23,989.6	11,969.6	3,639.0	39,598.2

CURRENTLY AVAILABLE FUNDING:							
	Certificate of Obligation	5,554.7	-	905.8	238.9	238.9	1,383.6
	Airport Fund Reserves	52.1	-	2,100.9	2,908.1	500.0	5,509.0
	FAA Grants	50,459.9	-	20,982.9	8,747.6	2,150.1	31,880.6
	Customer Facility Charge (CFC)	-	-	-	75.0	750.0	825.0
Total Currently Available:		56,066.7	-	23,989.6	11,969.6	3,639.0	39,598.2

PROJECT TITLE: North General Aviation (GA) Apron Extension

DESCRIPTION:

This project will extend from the North Apron south to the East GA Apron. The project will include placement of reinforced concrete, aircraft tie-downs, striping, upgrade of apron lighting. The apron is essential for maintaining service to General Aviation. This will include construction of a new wash-rack and installation of an oil and water separator.



PROJECT NOTES:

Engineering Project No: E12156B
 Finance Project No.: G50E12156B
 A/E Consultant: KSA Engineers
 Contractor: Bay Ltd.
 Award Design: January 2013
 Award Construction: July 2014
 Anticipated Completion: December 2015

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	191.3						191,300
Design/Build Construction	1,686.4		506.4				2,192,800
Contingency							-
Inspection/Other	327.7						327,700
TOTAL:	2,205.4	-	506.4	-	-	-	\$ 2,711,800
Source of Funds							
Certificates of Obligation	220.5	-	50.7				271,200
Airport Fund Reserves							-
FAA Grant	1,984.9		455.7				2,440,600
TOTAL:	2,205.4	-	506.4	-	-	-	\$ 2,711,800

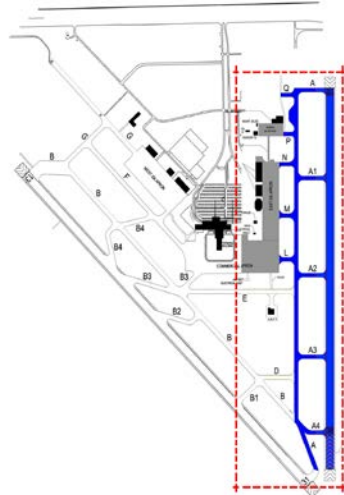
OPERATIONAL IMPACT:

There is no projected operational impact with this project due to existing area improvements only. The space footprint is not increasing in size.

PROJECT TITLE: Runway 17-35 Safety Mitigation

DESCRIPTION:

The project will shift Runway 17-35 by 600 feet to the north, displace the threshold of Runway 35 by 600 feet to the north and reconfiguring the connecting taxiways accessing Runway 17-35 from Taxiway Alpha and the terminal apron parking. Project also includes the relocation of all navigational aids, lighting and signage. The existing surfaces of Runways 17-35 will be rehabilitated via cold - tar application and marked accordingly. This project includes an Environmental Assessment, Airport Geographical Information System, Topo Survey, Land Acquisition/ Navigational Easement, Preliminary Desire Reimbursable Agreement and Federal Aviation Administration - Memorandum of Agreement.



PROJECT NOTES:

Engineering Project No: E11046
 Finance Project No.: G47E11046
 G49E11046,G49E11046A,G49E11046B, G49E15222
 A/E Consultant: KSA Engineers
 Contractor: Bay Ltd.
 Award Design: May 2011
 Award Construction: October 2012
 Anticipated Completion: December 2015

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	1,019.4		106.0				1,125,400
Design/Build Construction	14,632.0		1,833.4				16,465,400
Contingency							-
Inspection/Other	1,492.3		79.0				1,571,300
TOTAL:	17,143.7	-	2,018.4	-	-	-	\$ 19,162,100
Source of Funds							
Certificates of Obligation	1,662.4		32.3				1,694,700
Airport Fund Reserves	52.1		169.6				221,700
FAA Grant	15,429.2		1,816.5				17,245,700
Customer Facility Charge (CFC)							-
TOTAL:	17,143.7	-	2,018.4	-	-	-	\$ 19,162,100

OPERATIONAL IMPACT:

Projected operational impact of additional \$10,000 for additional runway maintenance [sweeping, rubber removal, painting].

PROJECT TITLE: Taxiway Reconfiguration

DESCRIPTION:

In 2012, a Taxiway Utilization Study was conducted which evaluated the operational effects of Taxiing, nesting of taxiway intersections and queuing of aircraft on the Taxiway Movement Areas. The study addressed the safety of operations on the airfield. Taxiway access to either Runways will optimize the aircrafts' alignment to runway at 90 degrees. A new Taxiway numbering scheme will provide better situational awareness, reduce confusion, and assurance to the air traffic controller of exact aircraft location. This project will consist of construction of new taxiway pavement with fillets, transitions and paved shoulders, removal of pavement, drainage, grading, LED lighting, Coal-Tar Seal, Signage and Markings. Due to the complexity and magnitude of the taxiway system this project will be constructed in phases.



PROJECT NOTES:

Engineering Project No: E11048
 Finance Project No.: G47E11048
 G51E11048, G52E11048, G50E11048
 A/E Consultant: KSA Engineers
 Contractor: Bay Ltd
 Award Design: November 2014
 Award Construction: July 2014
 Anticipated Completion: June 2016

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	210.0						210,000
Design/Build Construction	6,207.6		350.0				6,557,600
Contingency			598.0				598,000
Inspection/Other	1,150.0		156.5				1,306,500
TOTAL:	7,567.6	-	1,104.5	-	-	-	\$ 8,672,100
Source of Funds							
Certificates of Obligation	756.8	-	110.5				867,300
Airport Fund Reserves							-
FAA Grant	6,810.8		994.0				7,804,800
TOTAL:	7,567.6	-	1,104.5	-	-	-	\$ 8,672,100

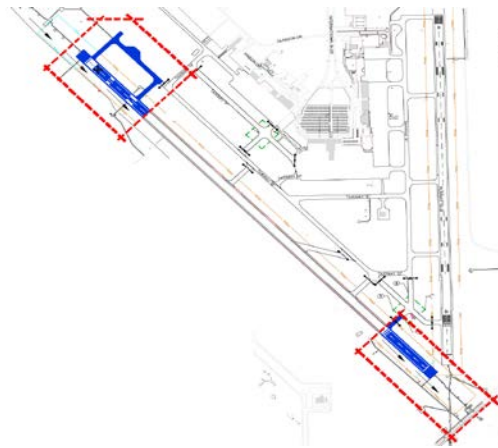
OPERATIONAL IMPACT:

Anticipated Operational savings due to installation of LED Lighting (Will quantify after 1st year of operations.)

PROJECT TITLE: Runway 13-31 Extension Safety Mitigation

DESCRIPTION:

This project consists of extending Runway 13 by 1,000 ft to the north and displace Runway 31 by 1,000 ft and associated new connecting taxiways; reconfigure the connecting taxiways accessing Runway 13-31 from Taxiway Bravo and the terminal apron parking. Project includes the relocation of all navigational aids, run up area, removal of older section of pavement, construct new Taxiway, runway lighting, LED lighting on Taxiways and signage. The existing surface of Runway 13-31 will be rehabilitated via cold- tar application and marked accordingly. This project includes an Environmental Assessment, Airport Geographical Information System, Topo Survey, Land Acquisition/ Navigational Easement, Preliminary Desire Reimbursable Agreement and Federal Aviation Administration - Memorandum of Agreement.



PROJECT NOTES:

Engineering Project No: E11047
 Finance Project No.: G47E11047
 G50E11047, G51E11047, G52E11047
 A/E Consultant: KSA Engineering
 Contractor: Bay Ltd.
 Award Design: May 2011
 Award Construction: October 2012
 Anticipated Completion: May 2016

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	1,291.3						1,291,300
Design/Build Construction	26,158.5		4,350.4				30,508,900
Contingency							-
Inspection/Other	1,428.2		383.6				1,811,800
TOTAL:	28,878.0	-	4,734.0	-	-	-	\$ 33,612,000
Source of Funds							
Certificates of Obligation	2,887.8	-	473.4				3,361,200
Airport Fund Reserves							-
FAA Grant	25,990.2		4,260.6				30,250,800
TOTAL:	28,878.0	-	4,734.0	-	-	-	\$ 33,612,000

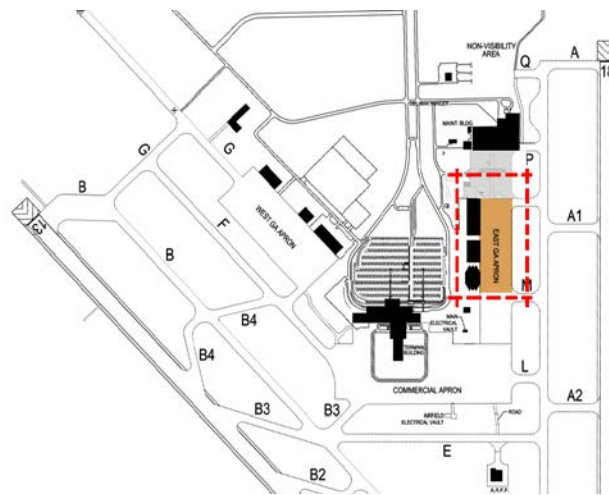
OPERATIONAL IMPACT:

Projected operational impact of additional \$10,000 for additional runway maintenance.

PROJECT TITLE: Reconstruct East General Aviation Apron

DESCRIPTION:

Reconstruct East GA Apron to include the removal of existing asphalt pavement and replace with reinforced concrete, aircraft tie-downs, striping and upgrades of apron lighting. The existing apron has shown signs of deterioration and base failures and is in need of replacement. The East and North aprons serve Signature Flight Support Fixed Based Operator (East FBO) and are essential for maintaining service to GA Aircraft. The project will be phased accordingly due to funding.



PROJECT NOTES:

Engineering Project No: E12156, E15234
 Finance Project No.: G50E12156
 G53E15234
 A/E Consultant: KSA Engineers
 Contractor: TBD
 Award Design: January 2013
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	272.0		110.0	110.0	110.0	110.0	712,000
Design/Build Construction			2,104.0	2,104.0	2,104.0	2,104.0	8,416,000
Contingency							-
Inspection/Other			175.0	175.0	175.0	175.0	700,000
TOTAL:	272.0	-	2,389.0	2,389.0	2,389.0	2,389.0	\$ 9,828,000
Source of Funds							
Certificates of Obligation	27.2		238.9	238.9	238.9	238.9	982,800
Airport Fund Reserves							-
FAA Grant	244.8		2,150.1	2,150.1	2,150.1	2,150.1	8,845,200
TOTAL:	272.0	-	2,389.0	2,389.0	2,389.0	2,389.0	\$ 9,828,000

OPERATIONAL IMPACT:

There is no projected operational impact with this project due to existing area improvements only. The space footprint is not increasing in size.

PROJECT TITLE: CCIA Air Operations Area Perimeter Fence Replacement

DESCRIPTION:

This project will design and replace approximately nine (9) miles of existing 6' airfield perimeter fence with an 8' fence and install a concrete apron under the fence.

The existing fence is showing signs of environmental damage (rust and broken barbed wire strands); the fence has been cut in several places by attempted intruders, and has been hit by vehicles in various locations around the perimeter.

The installation of a concrete apron under the fence will serve to control wildlife intrusions onto the airfield by providing a barrier that they cannot dig under. It will also deter human intrusion attempts by making it more difficult to penetrate under the fence and it will aid in maintaining the fence line zones by discouraging plant growth in the fabric.



PROJECT NOTES:

Engineering Project No: E15221
 Finance Project No.: G54E15221
 A/E Consultant: Garver USA
 Contractor: TBD
 Award Design: June 2016
 Award Construction: Aug. 2016
 Anticipated Completion: July 2016

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			333.6				333,600
Design/Build Construction			6,400.0				6,400,000
Contingency							-
Inspection/Other			273.1				273,100
TOTAL:			7,006.7	-	-	-	\$ 7,006,700
Source of Funds							
Certificates of Obligation							-
Airport Fund Reserves			700.7				700,700
FAA Grant			6,306.0				6,306,000
TOTAL:			7,006.7	-	-	-	\$ 7,006,700

OPERATIONAL IMPACT:

The operational impact should be covered with CFC revenues and not impact the Airport Operation Fund.

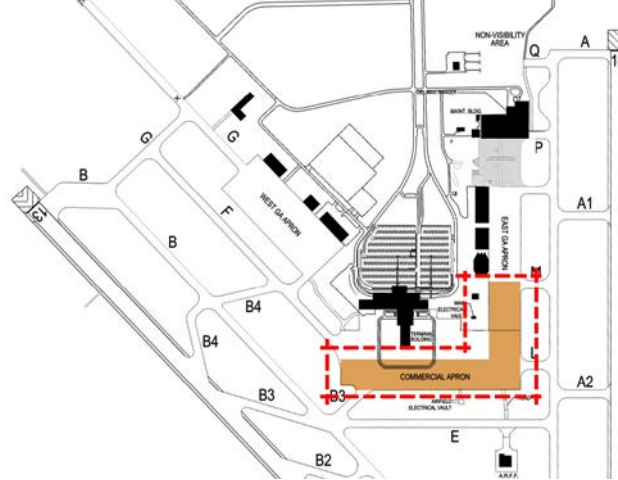
Department:

AV07

PROJECT TITLE: Reconstruction Air Carrier Ramp

DESCRIPTION:

Air Carrier Apron area consists of approximately 45,000 square yards of cement and 44,000 sq. ft. asphaltic concrete. This project will include a pavement assessment and the removal of existing asphaltic pavement and replace with reinforced concrete and rehabilitate areas of base failure. The asphaltic pavement is showing signs of distress with minor longitudinal/transverse cracking and some rutting as well as other deterioration from oxidation and normal wear. Rehabilitating the pavement will correct current deficiencies and insure full operation capabilities over the long term.



PROJECT NOTES:

Engineering Project No: TBD
 Finance Project No.: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

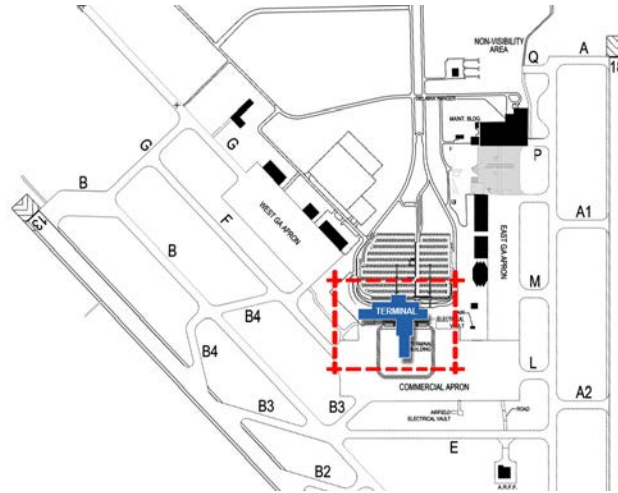
Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			5,555.6				5,555,600
Design/Build Construction				5,555.6			5,555,600
Contingency							-
Inspection/Other							-
TOTAL:			5,555.6	5,555.6	-	-	\$ 11,111,200
Source of Funds							
Certificates of Obligation							-
Airport Fund Reserves			555.6	555.6			1,111,200
FAA Grant			5,000.0	5,000.0			10,000,000
TOTAL:			5,555.6	5,555.6	-	-	\$ 11,111,200

OPERATIONAL IMPACT:

PROJECT TITLE: Terminal Building Assessment

DESCRIPTION:

The Terminal Assessment will include the west-end portion of the terminal that was constructed in 1985 and was not incorporated in the 2000 Terminal Expansion. The assessment will include all Mechanical, Electrical, and Roof system infrastructure and compliance with ADA, current building, and life safety codes including an ADA Ramp/Lift to accommodate a 757 aircraft. This project includes upgrades to the Fire Alarm Systems, energy management system, such as lighting control, incorporation of a new PA system.



PROJECT NOTES:

Engineering Project No: TBD
 Finance Project No.: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			175.0				175,000
Design/Build Construction							-
Contingency							-
Inspection/Other							-
TOTAL:	-	-	175.0	-	-	-	\$ 175,000
Source of Funds							
Certificates of Obligation		-					-
Airport Fund Reserves			175.0				175,000
FAA Grant							-
TOTAL:	-	-	175.0	-	-	-	\$ 175,000

OPERATIONAL IMPACT:

PROJECT TITLE: Aircraft Recue Fire Fighting (ARFF) Equipment

DESCRIPTION:

A new Aircraft Rescue Firefigthing (ARFF) Vehicle will replace the Aircraft Rescue Firefigthing (ARFF) Model T1500 Vehicle purchased in 1989 that is over 17 years old. The water tank capacity in the new ARFF Vehicle is 1,585 gallons, foam tank capacity is 205 gallons and dry chemical system is 700 lbs. The replacement of this vehicle is essential in order for CCIA to maintain its current index for Aircraft Rescue and Firefigthing Response capability.



PROJECT NOTES:

Engineering Project No: TBD
 Finance Project No.: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Design/Build Construction							-
Contingency				750.0			750,000
Inspection/Other							-
TOTAL:				750.0	-	-	\$ 750,000
Source of Funds							
Certificates of Obligation							-
Airport Fund Reserves				75.0			75,000
FAA Grant				675.0			675,000
TOTAL:				750.0	-	-	\$ 750,000

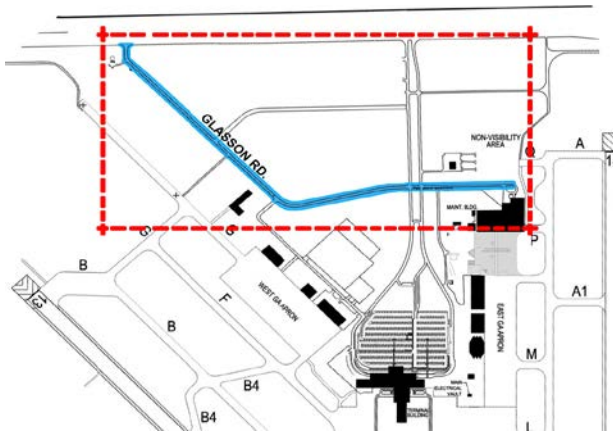
OPERATIONAL IMPACT:

Reduction of \$5,000 in maintenance/repairs to vehicle.

PROJECT TITLE: Reconstruction of Glasson Road

DESCRIPTION:

There are three roads connecting with International Drive. Glasson Road serves as an alternate route to tenants, cargo deliveries and employees located on the western & eastern sides of the Airport. The project will include reconstructing this unimproved road and improving drainage.



PROJECT NOTES:

Engineering Project No: TBD
 Finance Project No.: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Design/Build Construction			500.0				500,000
Contingency							-
Inspection/Other							-
TOTAL:	-	-	500.0	-	-	-	\$ 500,000
Source of Funds							
Certificates of Obligation		-					-
Airport Fund Reserves			500.0				500,000
FAA Grant							-
TOTAL:	-	-	500.0	-	-	-	\$ 500,000

OPERATIONAL IMPACT:

PROJECT TITLE: Airport Layout Plan

DESCRIPTION:

The Airport Plan was last updated in 2012. The Federal Aviation Administration encourages updating the Airport Layout Plan approximately every five (5) years to reflect changing conditions.



PROJECT NOTES:

Engineering Project No: TBD
 Finance Project No.: TBD

 A/E Consultant: TBD
 Contractor: TBD

 Award Design: TBD

 Award Construction: TBD

 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

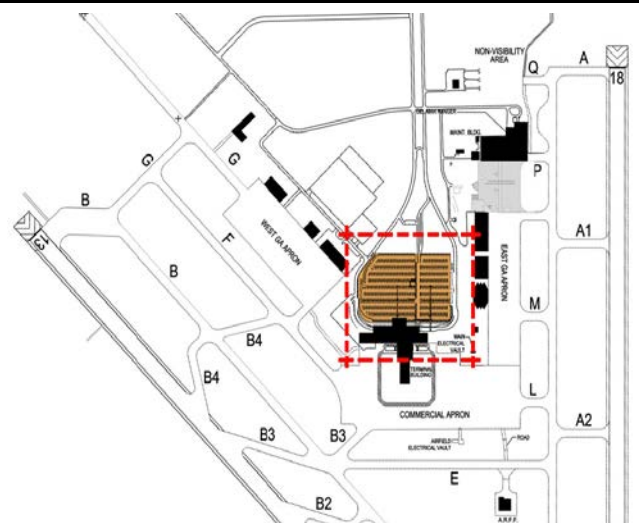
Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				400.0			400,000
Design/Build Construction							-
Contingency							-
Inspection/Other							-
TOTAL:	-	-	-	400.0	-	-	\$ 400,000
Source of Funds							
Certificates of Obligation		-					-
Airport Fund Reserves				40.0			40,000
FAA Grant				360.0			360,000
TOTAL:	-	-	-	400.0	-	-	\$ 400,000

OPERATIONAL IMPACT:

PROJECT TITLE: Parking Lot Improvements

DESCRIPTION:

The importance of maximizing customer convenience continues to be central to the design process of the airport. An important component of customer convenience is the need to provide shade and weather protection for pedestrians. This project will increase the number of covered parking spaces by two rows of covered parking (approx. 129 Spaces) Other improvements include coal tar sealant, striping, landscaping, signage and installation of replacement lighting. This project proposes to generate additional revenue and meet customer demand for additional covered parking spaces. Also proposed is the relocation of the current Rental Return Lot located near the East Ramp. The new Rental Car Lot would be moved into the east side of the current Short Term Parking Lot. The existing Long Term Lot would be expanded to the north of the existing Long Term Parking Lot to increase capacity.



PROJECT NOTES:

Engineering Project No: TBD
 Finance Project No.: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				50.0			50,000
Design/Build Construction				2,125.0			2,125,000
Contingency							-
Inspection/Other							-
TOTAL:	-	-	-	2,175.0	-	-	\$ 2,175,000
Source of Funds							
Certificates of Obligation		-					-
Airport Fund Reserves				2,175.0			2,175,000
TOTAL:	-	-	-	2,175.0	-	-	\$ 2,175,000

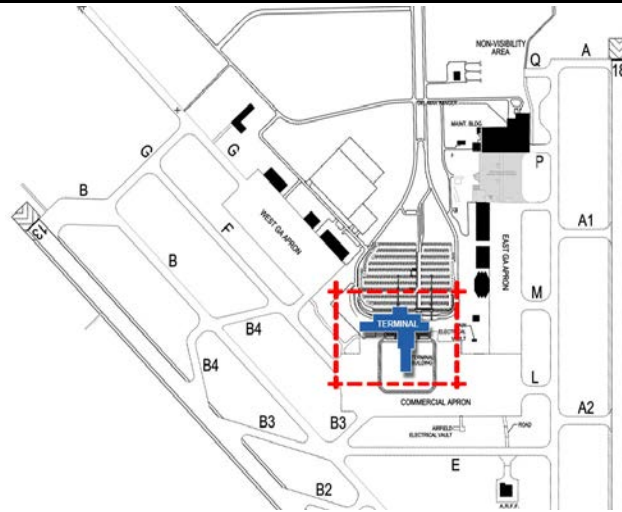
OPERATIONAL IMPACT:

This project will generate approximately \$150,000 in additional revenue for the Corpus Christi International Airport and meets customer demand for premium covered parking. Anticipated funding to come from operating fund and CIP Reserves

PROJECT TITLE: Airport Master Plan

DESCRIPTION:

The Airport Plan was last updated in 2007. The Federal Aviation Administration encourages updating the Master Plan approximately every 5 years to reflect changing conditions. The Master Plan will include the Airport Layout Plan (ALP) Update and Part 150 Noise Compatibility Study.



PROJECT NOTES:

Engineering Project No: TBD
 Finance Project No.: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				625.0			625,000
Design/Build Construction							-
Contingency							-
Inspection/Other							-
TOTAL:	-	-	-	625.0	-	-	\$ 625,000
Source of Funds							
Certificates of Obligation		-					-
Airport Fund Reserves				62.5			62,500
FAA Grant				562.5			562,500
TOTAL:	-	-	-	625.0	-	-	\$ 625,000

OPERATIONAL IMPACT:

No operational Impact.

PROJECT TITLE: Car Rental Ready Return Parking Lot

DESCRIPTION:

This project will increase the number of vehicle parking spaces available to our patrons renting vehicles at our facility. Other improvements include coal tar sealant, striping, landscaping, signage and replace incandescent lighting with LED lighting.

Parking lot lighting will provide superior illumination offering increased safety and security as brighter, whiter light makes it easier to see at night with better contrast. LED fixtures offer directional control and minimize light migration outside the targeted light footprint and will reduce energy consumption.



PROJECT NOTES:

Engineering Project No: TBD
 Finance Project No.: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

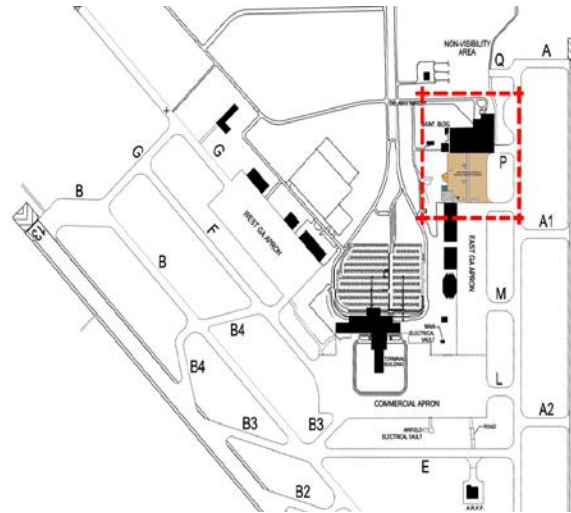
Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				75.0			75,000
Design/Build Construction					750.0		750,000
Contingency							-
Inspection/Other							-
TOTAL:	-	-	-	75.0	750.0	-	\$ 825,000
Source of Funds							
Certificates of Obligation		-					-
Airport Fund Reserves							-
Customer Facility Charge (CFC)				75.0	750.0		825,000
TOTAL:	-	-	-	75.0	750.0	-	\$ 825,000

OPERATIONAL IMPACT:

PROJECT TITLE: Airport Fuel Farm

DESCRIPTION:

This project will include the installation of above ground storage tanks and associated fueling system equipment with separate pump islands, one 12,000 gallon tank for AV Gas and one 12,000 gallon tank for Jet A fuel. All aboveground storage tanks shall be constructed of steel, factory fabricated, double wall, with secondary containment and carry a UL listing, environmental & Leak detection monitoring system, Fuel Management system with proximity card and credit cards readers.



PROJECT NOTES:

Engineering Project No: TBD
 Finance Project No.: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

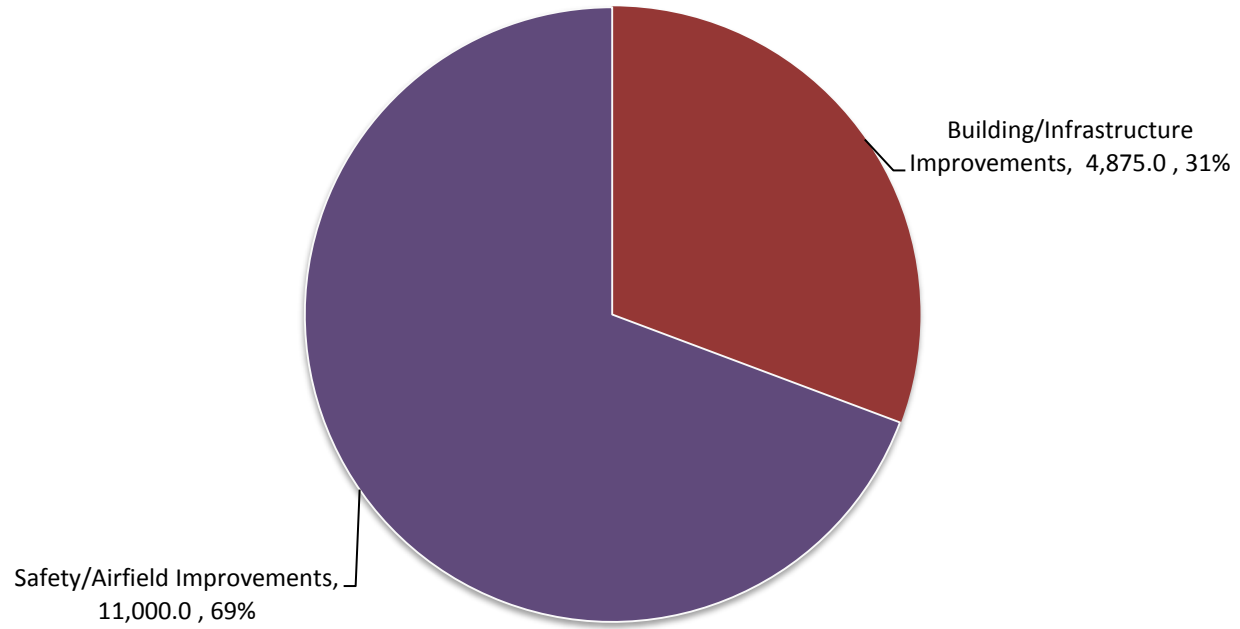
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering					75.0		75,000
Design/Build Construction					425.0		425,000
Contingency							-
Inspection/Other							-
TOTAL:	-	-	-	-	500.0	-	\$ 500,000
Source of Funds							
Certificates of Obligation		-					-
Airport Fund Reserves					500.0		500,000
TOTAL:	-	-	-	-	500.0	-	\$ 500,000

OPERATIONAL IMPACT:

This project will generate additional revenue for the Corpus Christi International Airport and meets customer demand for self fueling. Anticipated funding to come from operating fund and CIP Reserves

**Airport
Annual CIP: \$15,875
(Amounts in 000's)**



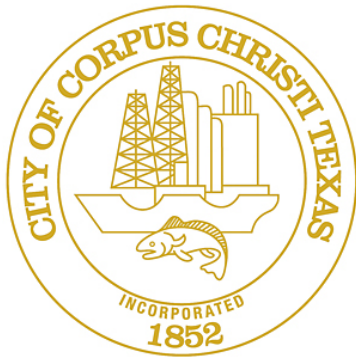
**AIRPORT
LONG-RANGE CIP**

1	<u>Land Acquisition (FAR Part 150)</u>	<u>\$1,500,000</u>
	<p>The acquisition of approximately 425 acres of land to the south and east of the Airport is planned as part of the Federal Aviation Regulation (FAR) Part 150 Noise Compatibility Program. These 425 acres are forecasted to be exposed to noise levels of Daytime Noise Level 70 and higher with the ultimate airfield conditions. Following acquisition, it is recommended that these areas remain as open space or be developed with land uses compatible with aircraft noise exposure in the area.</p>	
2	<u>Taxilane - Apron for T-Hangar Complex</u>	<u>\$1,000,000</u>
	<p>Construction of T-Hangars will require the rehabilitation of aprons to service the hangar area. The hangars will service General Aviation (GA) aircraft.</p>	
3	<u>Cell Phone Parking Lot Development</u>	<u>\$500,000</u>
	<p>A cellphone lot is a parking lot, typically located at airports, where people can wait before picking up passengers. The purpose of these lots is to reduce traffic and wear & tear of airport roads created by vehicles continuously circling on airport roadways and congestion at the airport terminal by providing another location for vehicles to wait until their passenger(s) notify them via their personal communication devices of their arrival and location. They were created as a solution to security measures that prevent cars from parking curbside when picking up passengers. The unpredictable maneuvers of circling cars and numerous passes required, make greeting an out of town guest, a harrowing task. Many airports currently offer this option as it seems the perfect measure for alleviating traffic congestion and improving security and safety.</p>	
4	<u>Terminal Rehabilitation/Assessment</u>	<u>\$10,000,000</u>
	<p>The Hayden W. Head Terminal opened in 2000 and completed on November 3, 2002 with Six-Gates and approximately 165,000 Sq. Ft. The terminal project incorporated various systems that were re-used or repurposed and are now nearing the end of their useful life. In addition, new systems that were installed are now showing increased frequency of failure. An Assessment of the terminal facility will be performed and evaluated to determine the level of refurbishment that must be done in the next 5-8 years. The assessment will include the west-end portion of the terminal that was constructed in 1985 and was not incorporated in the 2000 Terminal Expansion. The assessment will include all Mechanical, Electrical, and Roof system infrastructure and compliance with ADA, current building, and life safety codes including an ADA Ramp/Lift to accommodate a 757 aircraft. Upgrades to the Fire Alarm Systems, energy management system, such as lighting control, incorporation of a new PA system.</p>	
5	<u>Communications Building Demolition</u>	<u>\$75,000</u>
	<p>The Communications Building is part of the "old" tower and terminal structures. The building requires major repairs and is currently used for storage. Demolition of the structure will create an area that can be used for future airport or business development use.</p>	
6	<u>Aircraft Gates and Passenger Hold Rooms</u>	<u>\$2,800,000</u>
	<p>The design of the existing terminal allows for the expansion to the south to accommodate additional passenger hold rooms and gates. This project includes the construction of 3,000 - 4,000 square feet of passenger hold room and supporting space, in addition to two contact gates to accommodate projected peak hour originating passengers projected for Passenger Activity Level (PAL) 2</p>	
TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:		<u>\$15,875,000</u>



PARKS

Obligation to the Future



CITY OF CORPUS CHRISTI PARKS AND RECREATION PROGRAM

The Parks and Recreation Program is committed to providing social, recreational and cultural events in accessible and safe environments for the community as well as visitors to Corpus Christi. The Parks and Recreation Department is responsible for overseeing 4,000 acres of developed and undeveloped open spaces including 190 parks, three beaches, 2 nature parks and 10 miles of hike and bike trails. A Master Plan, developed in 2012 with input from Corpus Christi residents, guides the development of current and future park and recreation capital improvements. Commitment to a first class park program has been supported through numerous voter approved General Obligation Bond elections over the past 16 years. The Bond Issue 2008 Parks Program encompassed numerous improvements and is coming to a close with the final project, Bayshore Park, underway. With the completion of the Bayfront Development Plan Phase 3 Street Project, the remaining funds were transferred to the Parks Capital Improvement Program and are being used to develop Bayshore Park at the site of the demolished Memorial Coliseum. Bayshore Park will be a primary venue for special events year round including a range of recreational and cultural activities appealing to residents and tourists. This project is being constructed as a design / build project to save costs and expedite construction.

Several projects approved under the 2012 General Obligation Bond are entering the construction phase including improvements to Swantner and Cole Parks both located along the City's scenic Ocean Drive; aquatic improvements to frequently used Collier and West Guth pools; and updates and improvements to several community parks developed in accordance with the Master Plan and designed to focus on the specific needs of each individual area.

Bond Issue 2014 includes one project to address park mitigation efforts to support the upcoming Harbor Bridge and a second project to address issues occurring along North Padre Island Beach. This project includes the construction of a beach maintenance facility on the island designed to provide office space and store equipment thereby increasing staff responsiveness, reducing rentals and saving on personnel and fuel costs.

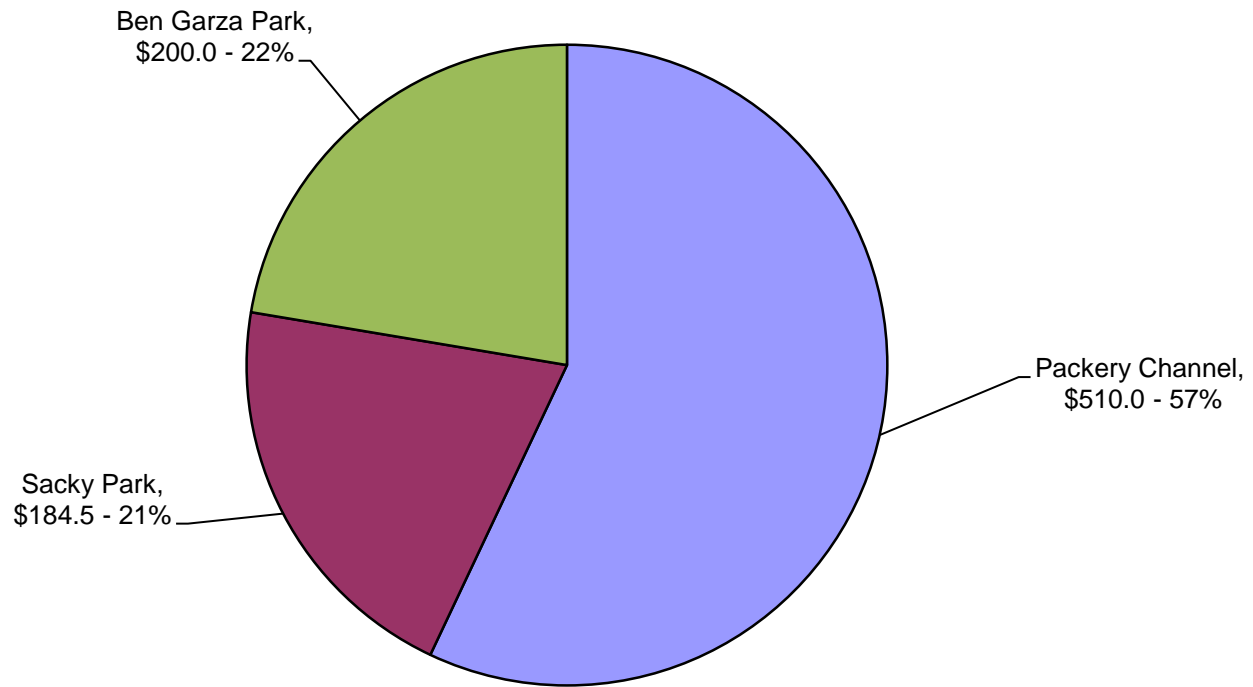
Included in the Parks and Recreations program, in years 2 and 3, are projects to be considered for a possible future bond election in 2018. These projects were chosen based on greatest need, momentum of previous bond projects, and ability to maximize funding with other available sources.

A recap of the 2017 budgeted expenditures includes:

EXPENDITURES:	YEAR ONE 2016 – 2017	YEAR TWO 2017 – 2018	YEAR THREE 2018 – 2019
TOTAL PROGRAMMED EXPENDITURES:	\$ 894,500	\$ 8,055,000	\$ 18,115,000
FUNDING:			
Community Development Block Grant Funds	\$ 384,500	\$ 0	\$ 0
Tax Increment Financing District	\$ 510,000	\$ 510,000	\$ 510,000
Future Certificates of Obligation	\$ 0	\$ 7,545,000	\$ 0
Future Bond Election	\$ 0	\$ 0	\$ 17,605,000
TOTAL PROGRAMMED FUNDS:	\$ 894,500	\$ 8,055,000	\$ 18,115,000

All other required funding was budgeted and received in previous years' budgets as listed on the Parks & Recreation Short Range Summary Sheet.

**Parks and Recreation
Fiscal Year 2016 - 2017 CIP: \$894.5
(Amounts in 000's)**



Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016-2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
PR 01	Harbor Bridge Replacement Mitigation and Support Projects, Phase 1 Finance and Engineering Number: E15101	117.1	3,382.9				-
PR 02	North Padre Island Beach Facility Finance and Engineering Number: E15102	78.1	1,121.9				-
PR 03	Community Park Development and Improvements Finance and Engineering Number: E12115 / E14002 / E14003 / E14004 / E14005 / E14006	1,144.2	3,710.0				-
PR 04	Hike & Bike Trail Development Finance and Engineering Numbers: E12116 / E14066	2,694.9	28.4		750.0	1,750.0	2,500.0
PR 05	Aquatic Facility Upgrades and Improvements Finance and Engineering Numbers: E12117 / E14007 / E14008	2,048.2	1,337.8		900.0	2,100.0	3,000.0
PR 06	Tennis Center Upgrades (HEB/AI Kruse) Finance and Engineering Number: E12118	2,510.9	589.1				-
PR 07	Ocean Drive Park Improvements Finance and Engineering Numbers: E12119 / E14049 / E14050	255.6	2,917.8		750.0	1,750.0	2,500.0
PR 08	Bayshore Park (Coliseum Site) Finance and Engineering Number: E15152	5,181.9	75.8				-
PR 09	Sacky Park Finance and Engineering Number: E16314			184.5			184.5

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016-2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
PR 10	Ben Garza Park Improvements Finance and Engineering Number: E16315			200.0			200.0
PR 11	Community and Major Investment Park Development and Improvements Finance and Engineering Number: TBD				1,500.0	3,500.0	5,000.0
PR 12	Sports Field Improvements Finance and Engineering Number: TBD				1,500.0	3,500.0	5,000.0
PR 13	Golf Courses Improvements Finance and Engineering Number: TBD				600.0	1,400.0	2,000.0
PR 14	Heritage Park Improvements Finance and Engineering Number: TBD				300.0	700.0	1,000.0
PR 15	Watergarden Area Improvements Finance and Engineering Number: TBD				750.0	1,750.0	2,500.0
PR 16	Neighborhood Park Improvements Finance and Engineering Number: TBD				300.0	700.0	1,000.0
PR 17	Marina Public Restrooms / Boaters Facility on Cooper's Alley L-Head Finance and Engineering Number: TBD				195.0	455.0	650.0
PR 18	Packery Channel Improvement, Phase 3 Restroom Facilities Finance Number: E03399 Engineering Number: 3399	263.6	751.4				-

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016-2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
PR 19	Packery Channel Improvements, Phase 4 Ramps to Jetties Finance Number: E03401 Engineering Number: 3401	8.9	274.0				-
PR 20	Packery Channel Improvements, Phase 5 Pavilion Finance Number: E03402 Engineering Number: 3402	67.9	1.8				-
PR 21	Packery Channel Miscellaneous Improvements Finance Number: TBD Engineering Number: TBD			510.0	510.0	510.0	1,530.0
	Program Total:	14,371.3	14,190.9	894.5	8,055.0	18,115.0	27,064.5

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016-2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
-------	--------------	---	---	-----------------------------------	-----------------------	-----------------------	---------------------

CURRENTLY AVAILABLE FUNDING:

	Bond Issue 2008 Proceeds	5338.3	104.2	-	-	-	-
	Bond Issue 2012 Proceeds	7,518.7	8,554.7	-	-	-	-
	Bond Issue 2014 Proceeds	250.0	4,504.8	-	-	-	-
	Downtown Management District Donation	90.0	-	-	-	-	-
	Texas Department of Transportation	733.9	-	-	-	-	-
	Community Development Block Grants	-	-	384.5	-	-	384.5
	Tennis Association Donation	100.0	-	-	-	-	-
	Tax Increment Financing District	331.5	1,027.2	-	-	-	-
	Total Currently Available:	14,362.4	14,190.9	384.5	-	-	384.5

RECOMMENDED ADDITIONAL FUNDING:

	Tax Increment Financing District	-	-	510.0	510.0	510.0	1,530.0
	Future Certificates of Obligation	-	-	-	7,545.0	-	7,545.0
	Future Bond Election	-	-	-	-	17,605.0	17,605.0
	Total Funding Source:	14,362.4	14,190.9	894.5	8,055.0	18,115.0	27,064.5

PROJECT TITLE: Harbor Bridge Replacement Mitigation and Support Projects, Phase 1

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

The project will construct the first phase of Parks and Recreation and Street work to mitigate the initial phases of the upcoming Harbor Bridge.



PROJECT NOTES:

Project No: E15101
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	52.6	200.0					252,600
Construction		2,600.0					2,600,000
Contingency		260.0					260,000
Inspection/Other	64.5	322.9					387,400
TOTAL:	117.1	3,382.9	-	-	-	-	\$ 3,500,000
Source of Funds							
Bond Issue 2014	117.1	3,382.9					3,500,000
TOTAL:	117.1	3,382.9	-	-	-	-	\$ 3,500,000

OPERATIONAL IMPACT:

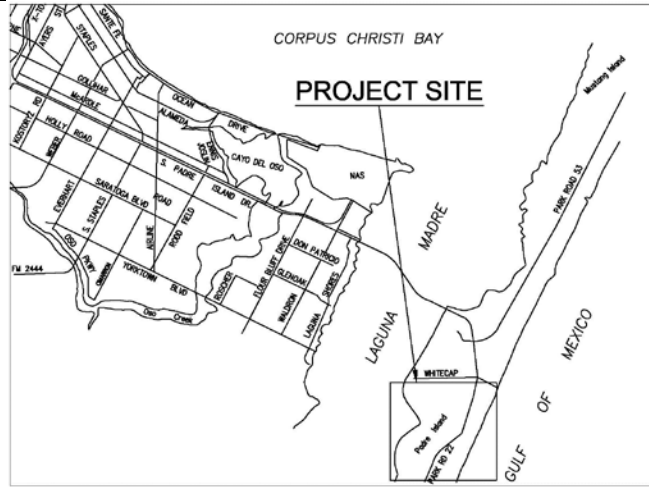
No operational impact will be generated by this project, but the existing parks will be upgraded and incorporated into upcoming bridge construction plans.

PROJECT TITLE: North Padre Island Beach Facility

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

This project will construct a Parks Beach Maintenance Facility south of Packery Channel.



PROJECT NOTES:

Project No: E15102
 A/E Consultant: LNV, Inc.
 Contractor: TBD
 Award Design: July 2016
 Award Construction: January 2017
 Anticipated Completion: June 2017

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	76.8						76,800
Construction		950.0					950,000
Contingency		95.0					95,000
Inspection/Other	1.3	76.9					78,200
TOTAL:	78.1	1,121.9	-	-	-	-	\$ 1,200,000
Source of Funds							
Bond Issue 2014	78.1	1,121.9					1,200,000
TOTAL:	78.1	1,121.9	-	-	-	-	\$ 1,200,000

OPERATIONAL IMPACT:

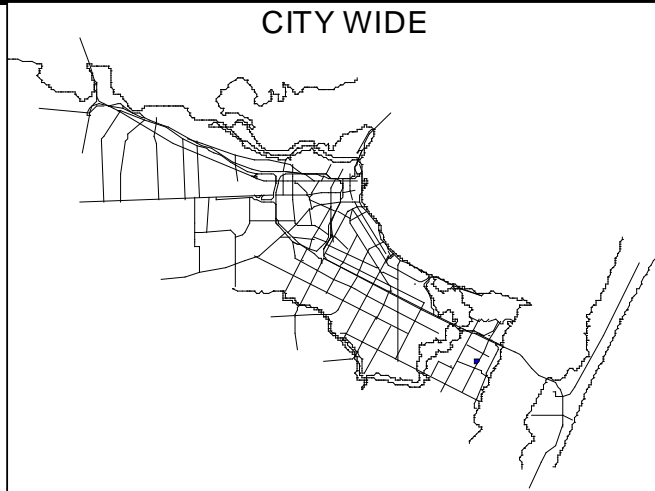
This facility will be used to stage equipment and staff who provide maintenance and lifeguarding services to the gulf beach. Operational costs will be funded by existing Hotel Occupancy Tax (HOT) Funds.

PROJECT TITLE: Community Park Development and Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

This project will primarily focus on irrigation upgrades and extensions at West Guth, Bill Witt/Oso Creek, Hector P. Garcia/Salinas, Billish, and Parker Parks, as well as, downtown squares La Retama and Artesian Parks. Other improvements in these parks could include specialty use amenities (such as dog parks, skate parks and splash pads), shade structures, landscaping, trails, parking improvements and other items designated for community parks in compliance with the Master Plan. This project is utilizing various design consultants to provide focus on the specific needs of each area. As a result of this process, multiple construction contracts will be awarded as well.



PROJECT NOTES:

Parent Project No:	E12115
Bill Witt / Oso Creek No:	E14002
Billish Park No:	E14003
H.P. Garcia / Salinas No:	E14004
Parker Park No:	E14005
Artesian Park No:	E14006
A/E Consultant:	Various
Contractor:	Various
Award Design:	June 2013
Award Construction:	On-Going
Anticipated Completion:	Summer '18

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	395.5						395,500
Construction	559.3	2,701.4					3,260,700
Contingency		302.0					302,000
Inspection/Other	189.4	706.6					896,000
TOTAL:	1,144.2	3,710.0	-	-	-	-	\$ 4,854,200
Source of Funds							
Bond Issue 2012	999.4	3,710.0					4,709,400
Downtown Management District	90.0						90,000
Street Bond Issue 2014	54.8						54,800
TOTAL:	1,144.2	3,710.0	-	-	-	-	\$ 4,854,200

OPERATIONAL IMPACT:

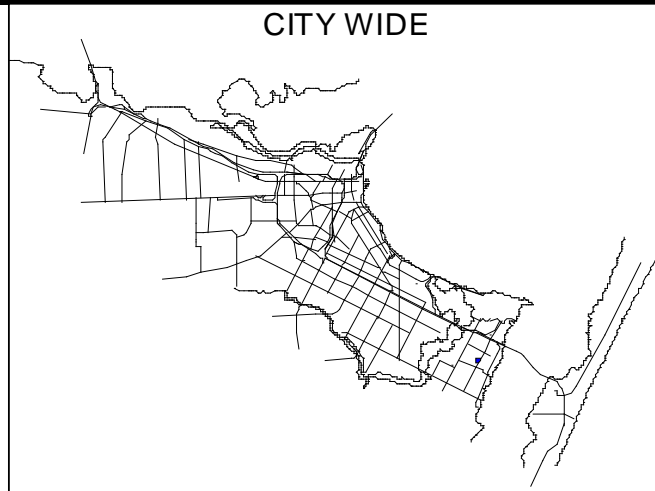
Operational Impact for this project will be minimal. One FTE estimated at \$29,500 and approximately \$5,000 in minor maintenance materials will be required to keep up with the parks and their new improvements on a yearly basis.

PROJECT TITLE: Hike and Bike Trail Development - City Wide

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

This project will focus on the design and construction of hike and bike trails throughout the City with emphasis on extending existing trails, providing off road recreational trail experiences and creating connectivity between parks, public spaces and residential areas. Current year funding is for the next section of the Schanen Hike and Bike Trail located along Shea Parkway from Saratoga Boulevard to Killarmet Drive, ultimately extending across Holly to the Flynn Parkway/Tiger Lane/Corona Drive intersection. Future years may include other trail priorities listed in the Parks, Recreation and Open Space and the Community Hike and Bike Trail Master Plans to the extent funding allows. This project will bring continuity to a currently disjointed and segmented trail system. The City is also using these funds as matching fund for grant applications for future projects.



PROJECT NOTES:

Parent Project No: E12116
 Bear Creek Hike and Bike E12116
 Schanen Trail Phase 1 & 2 E14066
 A/E Consultant: Martinez, Guy & Maybik
 Contractor: Various
 Award Design: March 2016
 Award Construction: On-Going
 Anticipated Completion: March 2017

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	270.7			700.0			970,700
Construction	2,271.9				1,500.0		3,771,900
Contingency					150.0		150,000
Inspection/Other	152.3	28.4		50.0	100.0		330,700
TOTAL:	2,694.9	28.4	-	750.0	1,750.0	-	\$ 5,223,300
Source of Funds							
Bond Issue 2008 Reserves	156.4	28.4					184,800
Bond Issue 2012	1,804.6						1,804,600
Tx Department of Transportation	733.9						733,900
Future Certificates of Obligation				750.0			750,000
Future Bond Election					1,750.0		1,750,000
TOTAL:	2,694.9	28.4	-	750.0	1,750.0	-	\$ 5,223,300

OPERATIONAL IMPACT:

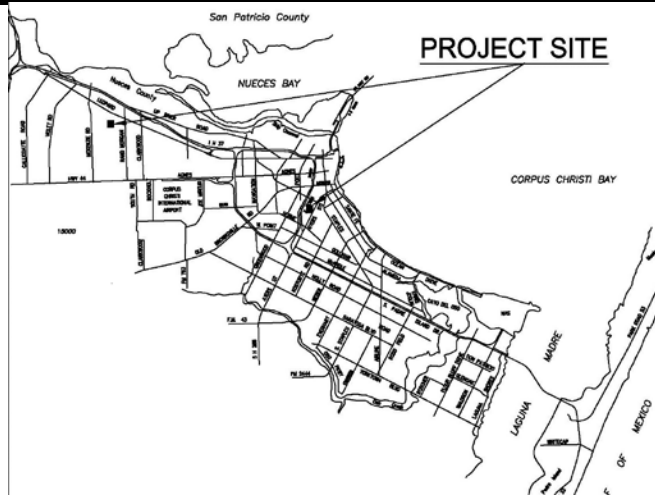
Determination of operational impact is anticipated to be negligible and public use and enjoyment will increase greatly.

PROJECT TITLE: Aquatic Facility Upgrades and Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

Improvements to Aquatic facilities are listed in the top priorities for development in the Parks, Recreation and Open Space Master Plan. Collier Pool is one of the most utilized public facilities in the park system. Dedicated lap swimmers, open swim participants, learn to swim participants and neighborhood groups patron the pool on a regular basis, maximizing the pool's capacity as well as the city resources used to keep it operational on a year-round basis. According to the citizen survey conducted by Halff and Associates, West Guth is the second most popular park in Corpus Christi. Following suit, the pool is one of the most popular places for residents in the Northwest to congregate on a hot summer day. Updates to these facilities may include construction of splash pads, wading and zero depth entry pools, extension of lap lanes and swimmer amenities with other related facility improvements.



PROJECT NOTES:

Parent Project No: E12117
 West Guth Pool No: E14007
 Collier Pool: E14008
COLLIER POOL:
 A/E Consultant (Collier): TRA
 A/E Consultant (West Guth): TRA
 Contractor: Atlantis Aquatic Group
 Award Design: May 2015
 Award Construction: April 2016
 Anticipated Completion: Dec. 2017

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	216.3			800.0			1,016,300
Construction	1,782.4	1,000.0			1,800.0		4,582,400
Contingency		100.0			180.0		280,000
Inspection/Other	49.5	237.8		100.0	120.0		507,300
TOTAL:	2,048.2	1,337.8	-	900.0	2,100.0	-	\$ 6,386,000
Source of Funds							
Bond Issue 2012	2,048.2	1,337.8					3,386,000
Future Certificates of Obligation				900.0			900,000
Future Bond Election					2,100.0		2,100,000
TOTAL:	2,048.2	1,337.8	-	900.0	2,100.0	-	\$ 6,386,000

OPERATIONAL IMPACT:

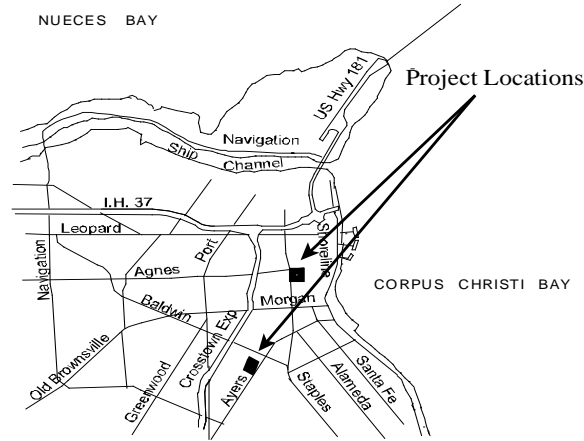
Once construction is complete the City will need to consider restoring operational hours at community pools. A decision packet to restore summer operational hours to 2009 levels has been submitted for Council approval. The package includes a request for a net-increase of approximately \$145,000.

PROJECT TITLE: Tennis Center Upgrades and Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

HEB Tennis: Repairs and Improvements: Project includes resurfacing 9 existing concrete courts, Constructing 3 new courts with lighting, Demolition of existing stadium court and seating and backboard areas and miscellaneous improvements such as padding for light poles and fence improvements. The donation from the Tennis Association will enhance the HEB project to include a new viewing deck. Work at the Al Kruse Tennis Center includes: New surfacing at 10 courts with 3 with asphalt and 7 with play surface resurfacing, New windscreens at all courts, and miscellaneous improvements to include backboard relocation, padding for light poles and fence improvements. Remaining funding will be used to improve HEB and Al Kruse Tennis Centers to the extent funding allows.



PROJECT NOTES:

Parent Project No: E12118
 Al Kruse Tennis Center No: E12118
 HEB Tennis Center No: E12118
 A/E Consultant: CLK Architects
 Contractor: Safenet Services, Ltd.
 Award Design: April 2013
 Award Construction: Nov. 2015
 Anticipated Completion: Oct. 2016

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	148.1						148,100
Construction	2,237.1						2,237,100
Contingency		220.0					220,000
Inspection/Other	125.7	369.1					494,800
TOTAL:	2,510.9	589.1	-	-	-	-	\$ 3,100,000
Source of Funds							
Bond Issue 2012	2,410.9	589.1					3,000,000
Tennis Association Donation	100.0						100,000
TOTAL:	2,510.9	589.1	-	-	-	-	\$ 3,100,000

OPERATIONAL IMPACT:

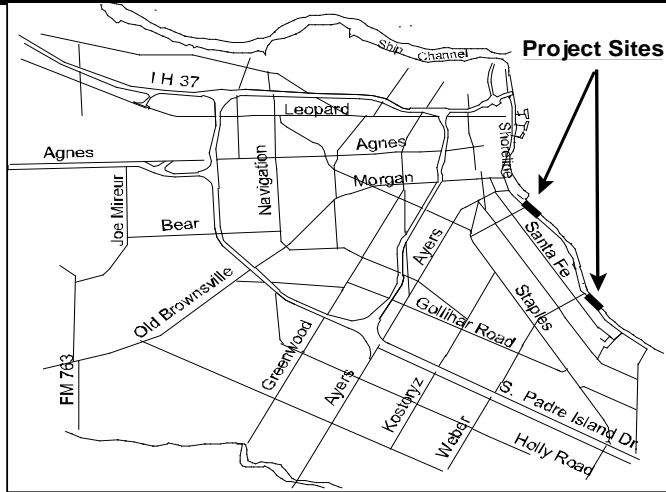
Any additional operating costs will be assumed within the existing budget through project efficiencies.

PROJECT TITLE: Ocean Drive Park Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

The scope of this project includes improvements to Swantner and Cole Parks to the extent funding allows. Planned improvements at Swantner include repairs to the sea wall. Improvements to Cole Park include completion of shoreline stabilization started in Bond 2008, and other improvements.



PROJECT NOTES:

Parent Project No: E12119
 Swantner Park No: E14049
 Cole Park No: E14050
 A/E Consultant: HDR Engineering
 Award Design: Feb. 2013
 Contractor: TBD
 Award Const. (Swantner): Sept. 2016
 Complete Const. (Swantner): Dec. 2016
 Award Const. (Cole Park): March '17
 Complete Const. (Cole Park): June 2017

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	233.9			700.0			933,900
Construction		2,500.0			1,500.0		4,000,000
Contingency		250.0			150.0		400,000
Inspection/Other	21.7	167.8		50.0	100.0		339,500
TOTAL:	255.6	2,917.8	-	750.0	1,750.0	-	\$ 5,673,400
Source of Funds							
Bond Issue 2012	255.6	2,917.8					3,173,400
Future Certificates of Obligation				750.0			750,000
Future Bond Election					1,750.0		1,750,000
TOTAL:	255.6	2,917.8	-	750.0	1,750.0	-	\$ 5,673,400

OPERATIONAL IMPACT:

No operational impact will be generated by this project.

PROJECT TITLE: Bayshore Park (Coliseum Site)

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

Bayshore Park will be a primary venue for special events year round including a range of recreational and cultural activities appealing to residents and tourists. Underground utility infrastructure and lighting to accommodate the planned activities will be a priority for the Bayshore Park project to include water service, wastewater, electrical improvements, street and pedestrian lighting. This work will be completed through a design/build contract to economize on costs.



PROJECT NOTES:	
Project No:	E15152
Design/Build Contractor:	Fulton Coastcon
Award Design/Build:	March 2016
Award Construction:	N/A
Anticipated Completion:	May 2017

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	97.9						97,900
Construction	5,080.0						5,080,000
Contingency							-
Inspection/Other	4.0	75.8					79,800
TOTAL:	5,181.9	75.8	-	-	-	-	\$ 5,257,700
Source of Funds							
Bond Issue 2008	5,181.9	75.8					5,257,700
TOTAL:	5,181.9	75.8	-	-	-	-	\$ 5,257,700

OPERATIONAL IMPACT:

Maintenance of this new park will require two additional personnel, but will generate additional revenue to partially off-set the expenses. The net operating cost of the project is estimated at \$142,000 per year.

PROJECT TITLE: Sacky Park Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

The Sacky Park Improvements Project will include the construction of a new playground to serve youth ages 2-12 years old, outdoor fitness equipment for teens and adults, new park benches and picnic tables, trees and a split rail fence around the perimeter of the park to protect the improvements and to prevent access by vehicles. The department will work with a playground and park amenity manufacturer to provide and install all of the improvements. This project is funded by Housing and Urban Development Federal Funds and is dependent upon receiving those funds in Fall 2016.



PROJECT NOTES:

Project No:	E16314
A/E Consultant	TBD
Contractor:	TBD
Award Construction:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			10.0				10,000
Equipment / Construction			150.0				150,000
Contingency			14.5				14,500
Inspection/Other			10.0				10,000
TOTAL:	-	-	184.5	-	-	-	\$ 184,500
Source of Funds							
Community Development Block Grant Funds			184.5				184,500
TOTAL:	-	-	184.5	-	-	-	\$ 184,500

OPERATIONAL IMPACT:

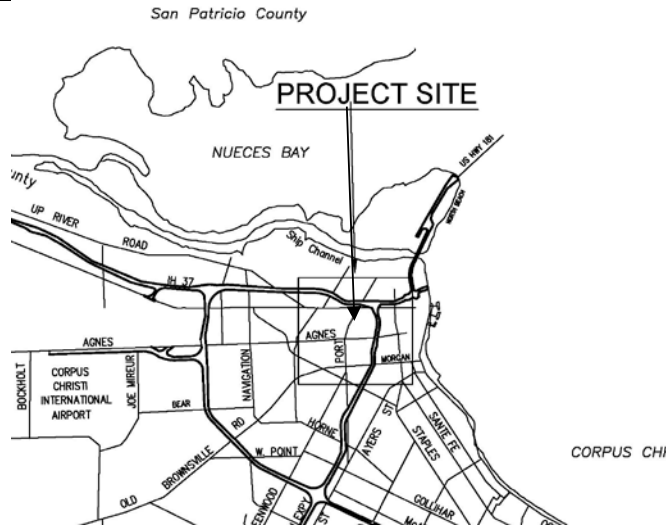
No additional operational impact will be generated by this project.

PROJECT TITLE: Ben Garza Park Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

The Ben Garza Park Improvements Project will include the improvement of two existing youth baseball/softball fields, outdoor fitness equipment for teens and adults, new park benches and picnic tables, trees and a split rail fence around the perimeter of the park to protect the improvements and prevent access by vehicles. The department will work with a playground and park amenity manufacturer to provide and install all of the structural improvements and a landscape company for the improvements to the ballfields and trees. The park is listed as a major investment park for the 2012 Parks and Recreation Master Plan. As use of the park improves and neighbors are encouraged to connect with each other, it can serve as a base line for combating crime in the area. The department will also partner with the Police Athletic League to schedule games and practices at the ballfields. Funding is dependent upon receipt of Housing and Urban Development funds.



PROJECT NOTES:	
Project No:	E16315
A/E Consultant	TBD
Contractor:	TBD
Award Construction:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			15.0				15,000
Construction			160.0				160,000
Contingency			15.0				15,000
Inspection/Other			10.0				10,000
TOTAL:	-	-	200.0	-	-	-	\$ 200,000
Source of Funds							
Community Development Block Grant Funds			200.0				200,000
TOTAL:	-	-	200.0	-	-	-	\$ 200,000

OPERATIONAL IMPACT:

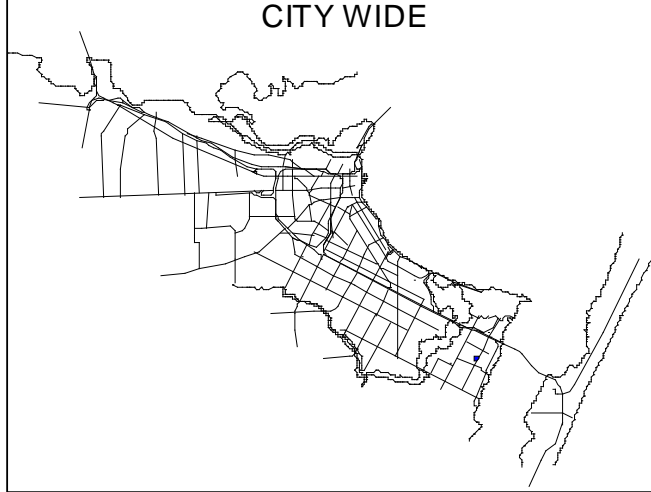
No operational impact will be generated by this project.

PROJECT TITLE: Community and Major Investment Park Development and Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

This project provides for improvements to the seven community parks and various major investment parks designated in the 2012 Parks and Recreation Master Plan. Improvements will include, but are not limited to, landscaping and turf enhancements, park equipment, shade structures and specialty areas to meet the recreation needs of each planning area in each park.



PROJECT NOTES:

Parent Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				750.0			750,000
Construction					3,000.0		3,000,000
Contingency					300.0		300,000
Inspection/Other				750.0	200.0		950,000
TOTAL:				1,500.0	3,500.0	-	\$ 5,000,000
Source of Funds							
Future Certificates of Obligation				1,500.0			1,500,000
Future Bond Election					3,500.0		3,500,000
TOTAL:				1,500.0	3,500.0	-	\$ 5,000,000

OPERATIONAL IMPACT:

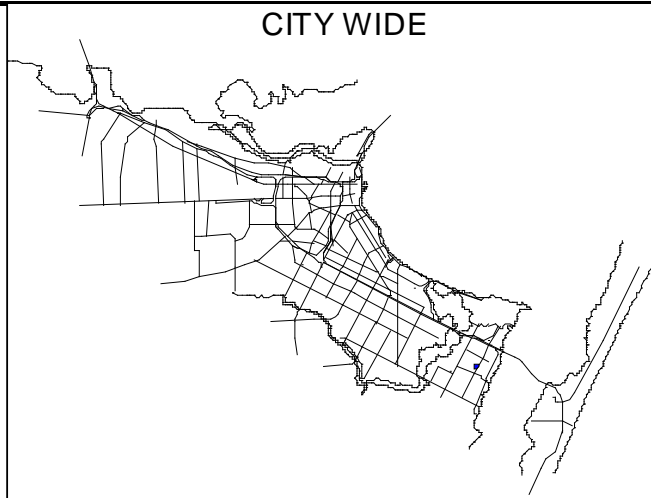
Long term operational costs will be developed through the design and project development process.

PROJECT TITLE: Sports Field Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

Funding will provide for improvements to city sports field not recently upgraded to enhance safety and appearance of the fields for the participants and visitors to enjoy. Work could include upgrades to lighting, irrigation, parking lots, fields, concession stands, infrastructure and other amenities.



PROJECT NOTES:

Parent Project No:	TBD
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				750.0			750,000
Construction					3,000.0		3,000,000
Contingency					300.0		300,000
Inspection/Other				750.0	200.0		950,000
TOTAL:				1,500.0	3,500.0	-	\$ 5,000,000
Source of Funds							
Future Certificates of Obligation				1,500.0			1,500,000
Future Bond Election					3,500.0		3,500,000
TOTAL:				1,500.0	3,500.0	-	\$ 5,000,000

OPERATIONAL IMPACT:

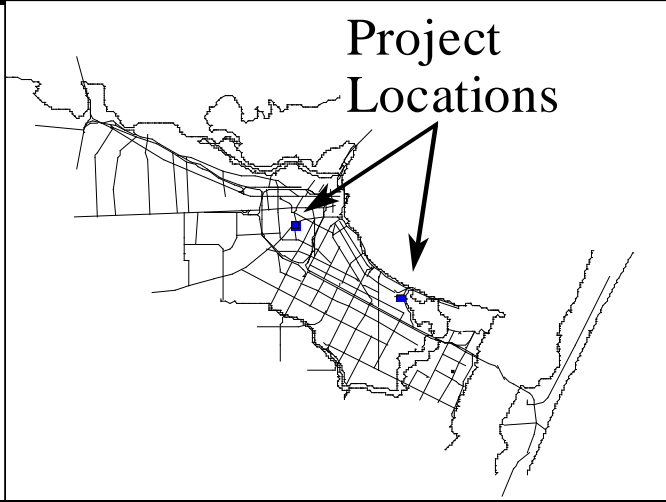
Long term operational costs will be developed through the design and project development process.

PROJECT TITLE: Golf Courses Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

Improvements will be made as required to keep the City's existing two golf courses in good condition and to meet the needs of the users.



PROJECT NOTES:

Parent Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				300.0			300,000
Construction					1,200.0		1,200,000
Contingency					100.0		100,000
Inspection/Other				300.0	100.0		400,000
TOTAL:				600.0	1,400.0	-	\$ 2,000,000
Source of Funds							
Future Certificates of Obligation				600.0			600,000
Future Bond Election					1,400.0		1,400,000
TOTAL:				600.0	1,400.0	-	\$ 2,000,000

OPERATIONAL IMPACT:

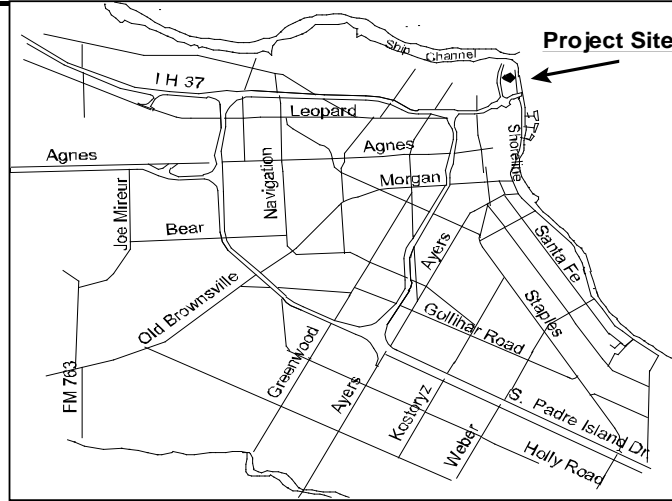
Long term operational costs will be developed through the design and project development process.

PROJECT TITLE: Heritage Park Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

Proposed funding would provide for the restoration of the homes, sidewalks, lighting, fencing, landscaping with irrigation and other improvements to provide a level of development comparable to the other historic homes in the park.



PROJECT NOTES:	
Parent Project No:	TBD
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				150.0			150,000
Construction					650.0		650,000
Contingency					50.0		50,000
Inspection/Other				150.0			150,000
TOTAL:				300.0	700.0	-	\$ 1,000,000
Source of Funds							
Future Certificates of Obligation				300.0			300,000
Future Bond Election					700.0		700,000
TOTAL:				300.0	700.0	-	\$ 1,000,000

OPERATIONAL IMPACT:

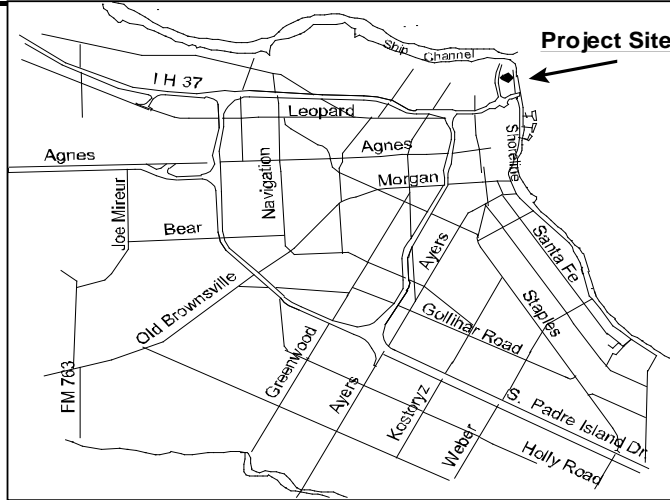
Long term operational costs will be developed through the design and project development process. Restoration of the homes could possibly generate additional revenue.

PROJECT TITLE: Watergarden Area Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

Proposed funding would provide for replacement of mechanical items in addition to sidewalks, lighting, landscaping with irrigation and other improvements.



PROJECT NOTES:	
Parent Project No:	TBD
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				300.0			300,000
Construction					1,650.0		1,650,000
Contingency					100.0		100,000
Inspection/Other				450.0			450,000
TOTAL:				750.0	1,750.0	-	\$ 2,500,000
Source of Funds							
Future Certificates of Obligation				750.0			750,000
Future Bond Election					1,750.0		1,750,000
TOTAL:				750.0	1,750.0	-	\$ 2,500,000

OPERATIONAL IMPACT:

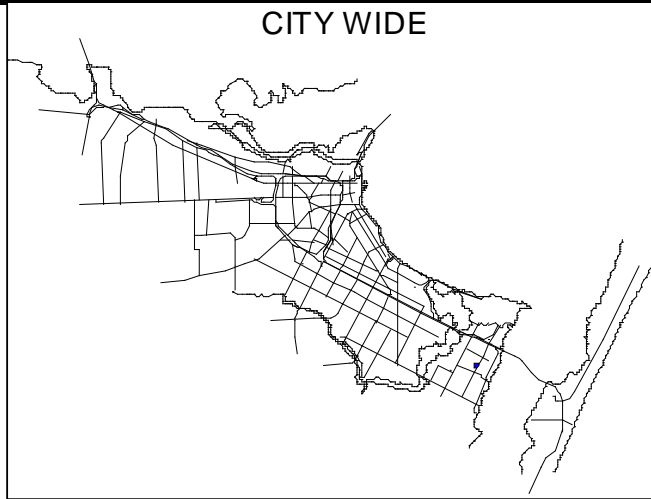
Long term operational costs will be developed through the design and project development process.

PROJECT TITLE: Neighborhood Park Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

Proposed funding would provide for improvements to Neighborhood Parks to include playground equipment, lighting, trails, irrigation and landscaping to the extent funding allows and per development standards established in the 2012 Parks Master Plan.



PROJECT NOTES:

Parent Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				100.0			100,000
Construction					650.0		650,000
Contingency					50.0		50,000
Inspection/Other				200.0			200,000
TOTAL:				300.0	700.0	-	\$ 1,000,000
Source of Funds							
Future Certificates of Obligation				300.0			300,000
Future Bond Election					700.0		700,000
TOTAL:				300.0	700.0	-	\$ 1,000,000

OPERATIONAL IMPACT:

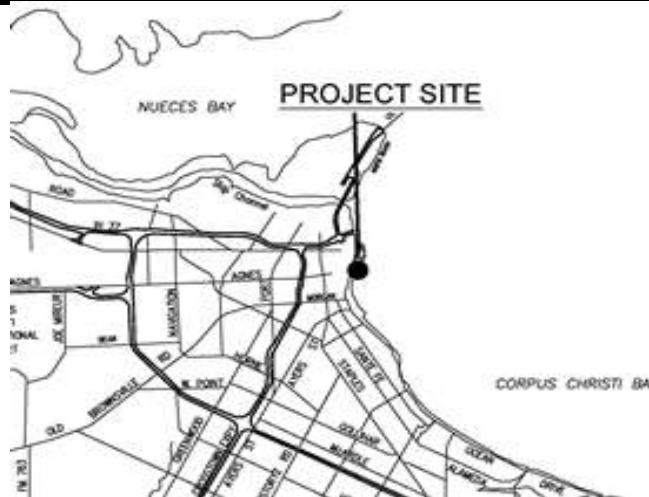
Long term operational costs will be developed through the design and project development process.

PROJECT TITLE: Marina Public Restrooms / Boaters Facility on L-Head

Consistency with Comprehensive Plan; Policy Statements pp. 48-50;

DESCRIPTION:

The Marina provides many benefits for boaters, the local community and visitors. The existing small restroom facility located on the Coopers Alley L-Head no longer supports the increase of boater's traffic including public events use. The new Public & Boaters Restroom Facility design will accommodate the increase in usage demand for many years into the future. The Marina will use the current existing set of architectural plans for this Boaters Facility that has already been constructed twice within the marina complex on both the other two T-Heads creating a savings in design and layout costs.



PROJECT NOTES:

Parent Project No:	TBD
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				70.0			70,000
Construction					415.0		415,000
Contingency					40.0		40,000
Inspection/Other				125.0			125,000
TOTAL:				195.0	455.0	-	\$ 650,000
Source of Funds							
Future Certificates of Obligation				195.0			195,000
Future Bond Election					455.0		455,000
TOTAL:				195.0	455.0	-	\$ 650,000

OPERATIONAL IMPACT:

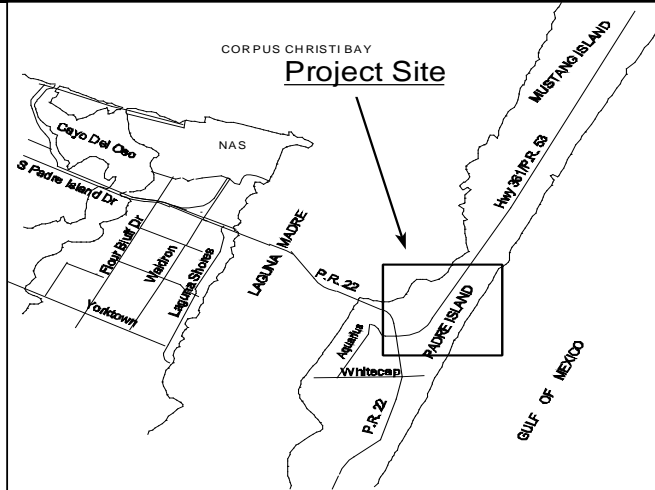
Long term operational costs will be developed through the design and project development process. Restoration of the homes could possibly generate additional revenue.

PROJECT TITLE: Packery Channel Improvements, Phase 3 (Restroom Facilities)

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

This project is being re-evaluated at this time. All future improvements will be coordinated with the Island Strategic Action Committee, North Padre Island Development Corporation, Tax Increment Financing Board and the City Council.



PROJECT NOTES:

Finance No: E03399
 Engineering No: 3399
 A/E Consultant: Anastos & Associates
 Contractor: TBD
 Award Design: Dec. 2013
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	242.9						242,900
Construction							-
Contingency							-
Inspection/Other	20.7	751.4					772,100
TOTAL:	263.6	751.4	-	-	-	-	\$ 1,015,000
Source of Funds							
Tax Increment Finance District	263.6	751.4					1,015,000
TOTAL:	263.6	751.4	-	-	-	-	\$ 1,015,000

OPERATIONAL IMPACT:

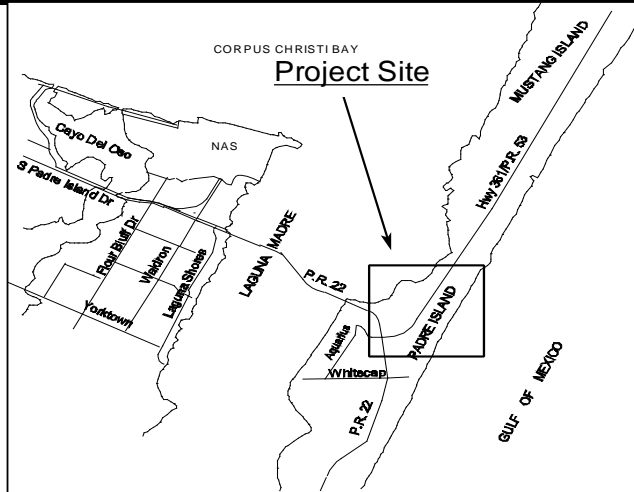
To Be Determined.

PROJECT TITLE: Packery Channel Improvements, Phase 4 (Ramps to Jetties)

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

This project is being re-evaluated at this time. All future improvements will be coordinated with the Island Strategic Action Committee, North Padre Island Development Corporation, Tax Increment Financing Board and the City Council.



PROJECT NOTES:

Finance No: E03401
 Engineering No: 3401
 A/E Consultant: Freese & Nichols, Inc.
 Contractor: TBD
 Award Design: Feb. 2009
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction							-
Contingency							-
Inspection/Other	8.9	274.0					282,900
TOTAL:	8.9	274.0	-	-	-	-	\$ 282,900
Source of Funds							
Tax Increment Finance District	8.9	274.0					282,900
TOTAL:	8.9	274.0	-	-	-	-	\$ 282,900

OPERATIONAL IMPACT:

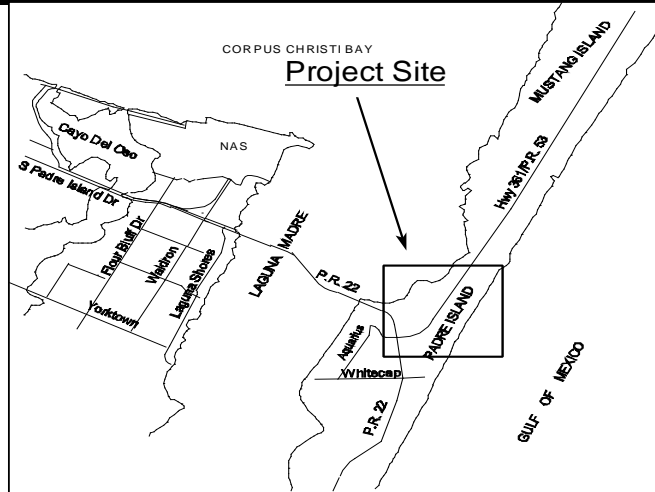
To Be Determined.

PROJECT TITLE: Packery Channel Improvements, Phase 5 (Pavilion)

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

This project is being re-evaluated at this time. All future improvements will be coordinated with the Island Strategic Action Committee, North Padre Island Development Corporation, Tax Increment Financing Board and the City Council.



PROJECT NOTES:

Finance No: E03402
 Engineering No: 3402
 A/E Consultant: Anastos & Associates
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction							-
Contingency							-
Inspection/Other	1.8	67.9					69,700
TOTAL:	1.8	67.9	-	-	-	-	\$ 69,700
Source of Funds							
Tax Increment Finance District	1.8	67.9					69,700
TOTAL:	1.8	67.9	-	-	-	-	\$ 69,700

OPERATIONAL IMPACT:

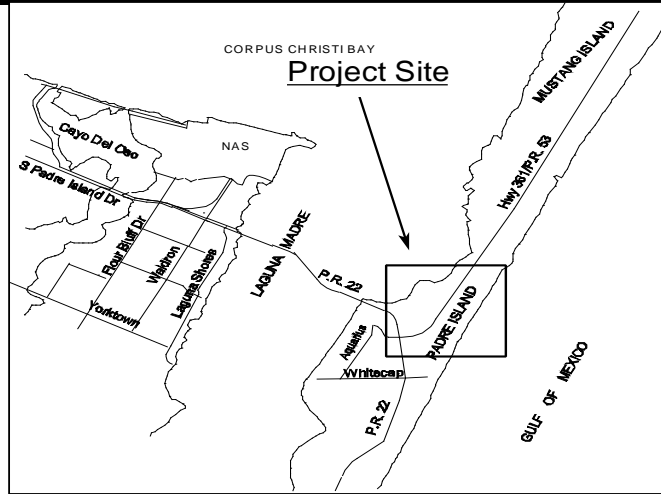
To Be Determined.

PROJECT TITLE: Packery Channel Miscellaneous Improvements

Consistency with Comprehensive Plan; Policy Statements pp. 48-50; Parks Open Space Master Plan

DESCRIPTION:

This project includes funds for yearly identified projects to support Packery Channel exclusive of the previously identified capital projects Phases 3 through 6. Planned work could include: periodic surveys of channel conditions, shoreline and jetty revetments, access to beach and sand redistribution. All projects will be done in conjunction with the Island Strategic Action Committee, North Padre Island Development Corporation, Tax Increment Financing Board and City Council approval.



PROJECT NOTES:

Project No:	TBD
A/E Consultant:	As Needed
Contractor:	As Needed
Award Design:	As Needed
Award Construction:	As Needed
Anticipated Completion:	As Needed

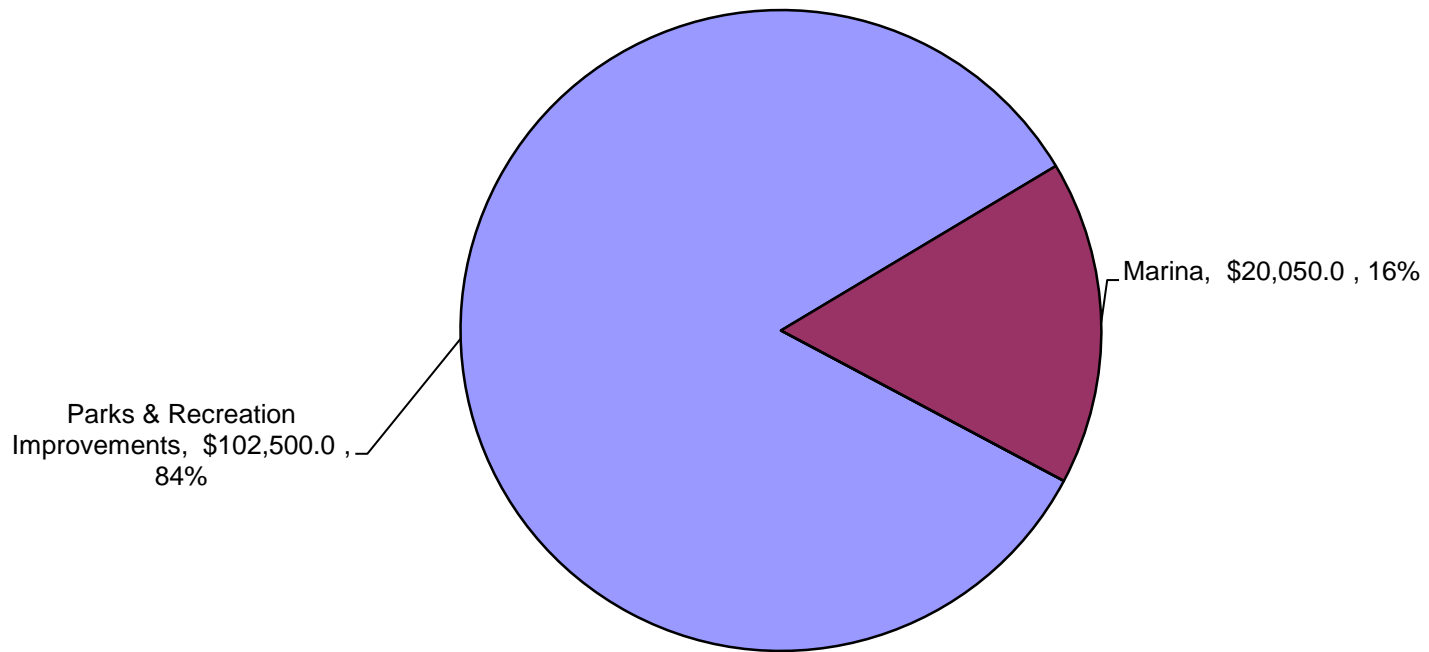
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			35.0				35,000
Construction			400.0	510.0	510.0		1,420,000
Contingency			40.0				40,000
Inspection/Other			35.0				35,000
TOTAL:	-	-	510.0	510.0	510.0	-	\$ 1,530,000
Source of Funds							
Tax Increment Finance District			510.0	510.0	510.0		1,530,000
TOTAL:	-	-	510.0	510.0	510.0	-	\$ 1,530,000

OPERATIONAL IMPACT:

These projects will support the use of Packery Channel and will be completed over multiple years as funding is available.

**Parks and Recreation
Long-Range CIP: \$122,500.0
(Amounts in 000's)**



PARKS & RECREATION IMPROVEMENTS

- 1 Community and Major Investment Park Development and Improvements \$5,000,000
This project provides for improvements to the seven community parks and various major investment parks designated in the 2012 Parks and Recreation Master Plan. Improvements will include, but are not limited to, landscaping and turf enhancements, park equipment, shade structures and specialty areas to meet the recreation needs of each planning area in each park.

- 2 Hike and Bike Improvements \$5,000,000
This project will construct hike and bike trails alongside drainage easements, existing parkways, and other areas. The trails will provide access from nearby neighborhoods to several area schools. This project will also establish a relationship with the transportation system by constructing a new passage for pedestrians and bicyclists without taking away or adding to the existing roadway.

- 3 Aquatic Facilities Improvements \$3,000,000
This project provides for improvements to City neighborhood swimming pools that are in need of renovation to create aquatic facilities that are in compliance with ADA regulations and include amenities that are attractive and safe. This project could include bathhouses, water attractions, spray elements, shade structures, picnic tables, renovated parking lots, chlorination system upgrades and ADA Improvements.

- 4 Tennis Center Improvements \$2,000,000
This project provides for improvements to City tennis centers that are in needs of renovation to lighting, courts, parking lots and guest services buildings.

- 5 Ocean Drive Parks Improvements \$9,500,000
This project will include park improvements for Ocean Drive Parks from Cole Park south to Palmetto Park. Improvements could include landscape and turf improvements, park structures, shoreline stabilization and other additions as dictated by the 2012 Parks and Recreation Master Plan.

- 6 Sports Field Improvements \$5,000,000
Funding will provide for improvements to city sports fields not recently upgraded to enhance safety and appearance of the fields for the participants and visitors to enjoy. Work could include upgrades to lighting, irrigation, parking lots, fields, concession stands, infrastructure and other amenities.

- 7 Senior Center Improvements \$7,500,000
 This project will address improvements to senior centers throughout the City. Work will be planned to modernize the facilities to make them safer, more efficient, and more enjoyable for residents per the soon to be completed Programs Master Plan.
- 8 Recreation Center Improvements \$7,500,000
 Improvements to recreation centers will be made to upgrade and modernize the facilities to meet the needs of the residents in that area per the soon to be completed Programs Master Plan.
- 9 Golf Course Improvements \$4,500,000
 Improvements will be made as required to improve the City's existing two golf courses and increase revenues to alleviate debt.
- 10 Oso Bay Nature Learning Center and Preserve (Phase III) \$2,000,000
 This project will include Phase III of the Oso Bay / Oso Park project and will include the construction of the exhibit hall and children's experiential learning play center.
- 11 Southside Maintenance Facility \$2,000,000
 The Parks & Recreation Department needs a permanent location and building to house recreation department supplies on the rapidly growing Southside of town. The facility would include a structure with office space, warehouse, loading dock, restroom and be ADA accessible throughout.
- 12 Tourist District Maintenance Facility \$3,500,000
 The Parks & Recreation Department needs a permanent location and building to house recreation department supplies within the tourist district. The facility would include a structure with office space, warehouse, loading dock, restroom and be ADA accessible throughout. This project is important as the redevelopment of the area adjacent to the existing Harbor Bridge is being planned.
- 13 Heritage Park Improvements \$3,000,000
 Proposed funding would provide for restoration of the home, sidewalks, lighting, fencing, landscaping with irrigation and other improvements to provide a level of development comparable to the other historic homes in the park
- 14 Oso Bay Railroad Trestle - Hike and Bike \$11,500,000
 Identified both in the 2012 Parks and Recreation Master Plan, Mobility CC and Strategic Plan for Active Mobility, this abandoned trestle will provide bicycle / pedestrian access to and from Flour Buff across Oso Bay. This project will include the design and construction of the bridge in addition to any required land purchases, park improvements and trail improvements necessary to complete the connection.

- | | | |
|----|---|---------------------|
| 15 | <u>JFK Boat Ramp (Billings and Clems Marina Parking Lot, Phase 3)</u> | <u>\$1,000,000</u> |
| | This project will continue the phased work to the parking lot and marina facilities at the Billings and Clems Marina to the extent that funding allows. | |
| 16 | <u>Mega Recreation Center - 25,000 Square Feet</u> | <u>\$25,000,000</u> |
| | The construction of a state of the art recreation facility is one of the priority development elements identified in the 2012 Parks and Recreation Master Plan. The facility will provide space for recreational, cultural, social and athletic activities in one convenient location. | |
| 17 | <u>Demitt Pier Renovation of Lighting and Decking</u> | <u>\$2,000,000</u> |
| | This pier is located in Flour Bluff next to the Laguna Madre Wastewater Treatment Plant. The structure is aging and in need of major renovation to address continuing deterioration and safety concerns. The decking of the pier walkway needs to be replaced as well as the existing lighting system. | |
| 18 | <u>Neighborhood Park Improvements</u> | <u>\$3,500,000</u> |
| | Proposed funding provides for professional services to evaluate all of the City's neighborhood parks and recommend the number of sectors or cells to be identified for locations of keystone neighborhood parks. The scope of work would include developing and preparation of park planning through the comprehensive plan, new plans for re-development, consistent with the Parks, Recreation & Open Space Plan. | |

PACKERY CHANNEL IMPROVEMENTS

- | | | |
|----|--|------------|
| 19 | <u>Packery Channel Improvements Phase 7 Administration and Maintenance Building (Continuation)</u> | <u>TBD</u> |
| | This project includes parking lots on the beach along the north side and the south side of the channel. Development of this project will be pending USACE and TGLO approval and authorization. Project initiation schedule pending availability of funds and completion of previous phases. | |
| 20 | <u>Packery Channel Miscellaneous Improvements</u> | <u>TBD</u> |
| | This project includes funds for yearly identified projects to support Packery Channel exclusive of the previously identified capital projects Phases 3 through 7. Planned work could include: periodic surveys of channel conditions, shoreline and jetty revetments, access to beach and sand redistribution. All projects will be done in conjunction with the Island Action Committee, TIRZ #2 and City Council approval. | |

MARINA

- | | | |
|----|--|--------------------|
| 21 | <u>Marina Administration Offices</u> | <u>\$3,900,000</u> |
| | <p>Construction of a new Marina Lighthouse administration office building is proposed on the Lawrence Street T-Head or Shoreline median. An approximately 8,000 square foot four-story lighthouse building to include shopping, offices for Marina Administration, a conference room, restrooms, Marina Patrol observation office, Convention and Visitors Bureau & Regional Transportation Authority Information office, fifth level for Port of CC Harbor Masters Office with commanding view of entire CC Ship Channel & CC Bay, an observation deck at the top is proposed. The project would utilize part of the design of the original Corpus Christi Lighthouse built on the Bluff during the Civil War and demolished in 1878.</p> | |
| 22 | <u>Municipal Marina Information and Administration Center</u> | <u>\$1,750,000</u> |
| | <p>This project will include a Marine Rescue Operations Control Center with Administration Office including a Community Room/Marine Education Library/Visitor Information. Location: Lawrence Street T-Head. The Marina Department is in need of an administration office including a Marine Rescue Operations Control Center. Marina Staff conduct approximately 235 Marine Rescue Boat Operations per year with staff operating 24/7/365. At present, the Marina Office uses the "Boaters Community Room" for an administration office leaving the boaters/tenants with no indoor recreational facility.</p> | |
| 23 | <u>New Buoy Floating Moorings in North Basin just north of Peoples Street T-Head for Mooring Boats</u> | <u>\$150,000</u> |
| | <p>This project would include the funding to design and construct floating moorings for permanent and transient boat area.</p> | |
| 24 | <u>Marina Dredging</u> | <u>\$4,000,000</u> |
| | <p>Funding is recommended for maintenance dredging operations within the Marina basins and fairways.</p> | |
| 25 | <u>Marina Site Improvements</u> | <u>\$850,000</u> |
| | <p>Lift stations, electrical equipment rooms, storage rooms, improvements, landscaping the stem and head portions of the land masses, irrigation, soil improvements and site furnishings. Attractive uniform signage and landscaping to the seawall are desired to soften the appearance of all Marina facilities.</p> | |
| 26 | <u>Breakwater Renovation/Reconstruction</u> | <u>\$2,000,000</u> |
| | <p>Replacement of Marina Breakwater promenade in the Marina South Basin / public bathrooms / lighting and dividing the marina southern basin from McGee Beach is recommended under this project.</p> | |
| 27 | <u>Boating Educational Center / Regatta World Championship Procurement Office</u> | <u>\$650,000</u> |
| | <p>This project would construct a procurement office for the World Boating Championships / Kids / Adult Marine / Sailing Center.</p> | |

28 Boat Haul-Out Center Renovation and Expansion \$4,850,000
This project recommends bringing the Haul-Out Facility up to EPA/TCEQ Standards and expand land and boat lift launch area to accommodate large Boats / Races / Regattas / Boat Storage / Boat Dry Stack Storage.

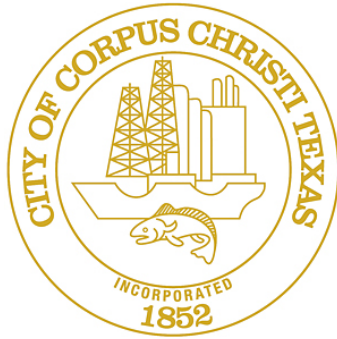
29 Marina Asphalt, Repair, Renovation and Security / Gate / Lighting System \$1,900,000
This project would repair asphalt throughout the three landmasses as well as provide for new Security / Gate / Lighting / Camera System throughout marina complex with proximity card readers at all marina gates and bathroom facilities.

TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS: **\$ 122,550,000**



PUBLIC FACILITIES

Obligation to the Future



CORPUS CHRISTI PUBLIC FACILITIES PROGRAM

One focus of the Fiscal Year 2017 Public Facilities Program is directed at the construction phase of Bond Issue 2012 Projects listed in Proposition Three: Service Center and Proposition Five: Library. This will include a new Signs & Signals Shop and Roof Replacements at three City facilities. These projects will be constructed through the new Facilities Multiple Award Contract (FMAC) program to construct the improvements within the funds available.

A second focus of this year's program includes additional improvements to City facilities through the use of a yearly structured program to identify and correct deficiencies as determined through a comprehensive Public Facilities Master Sizing Plan. This plan was funded in Fiscal Year 2015, developed in Fiscal Year 2016 to determine the operational integrity, infrastructure repairs, and sizing needs of city-owned facilities located throughout the area. Projects will be developed to include structural improvements, roofing, chillers and other large-scale capital outlay items. Work will be funded yearly through the issuance of Certificates of Obligation and will be prioritized and completed to the extent that funding allows. Work in 2017 includes repairs to Senior Citizen Centers and Recreation Centers located throughout the City and new roofs at the City Service Center Warehouse and Central Library.

Included in the Public Facilities program, in years 2 and 3, are projects to be considered for a possible future bond election in 2018 or later. These projects were chosen based on greatest need, momentum of previous bond projects, and ability to maximize funding with other available sources.

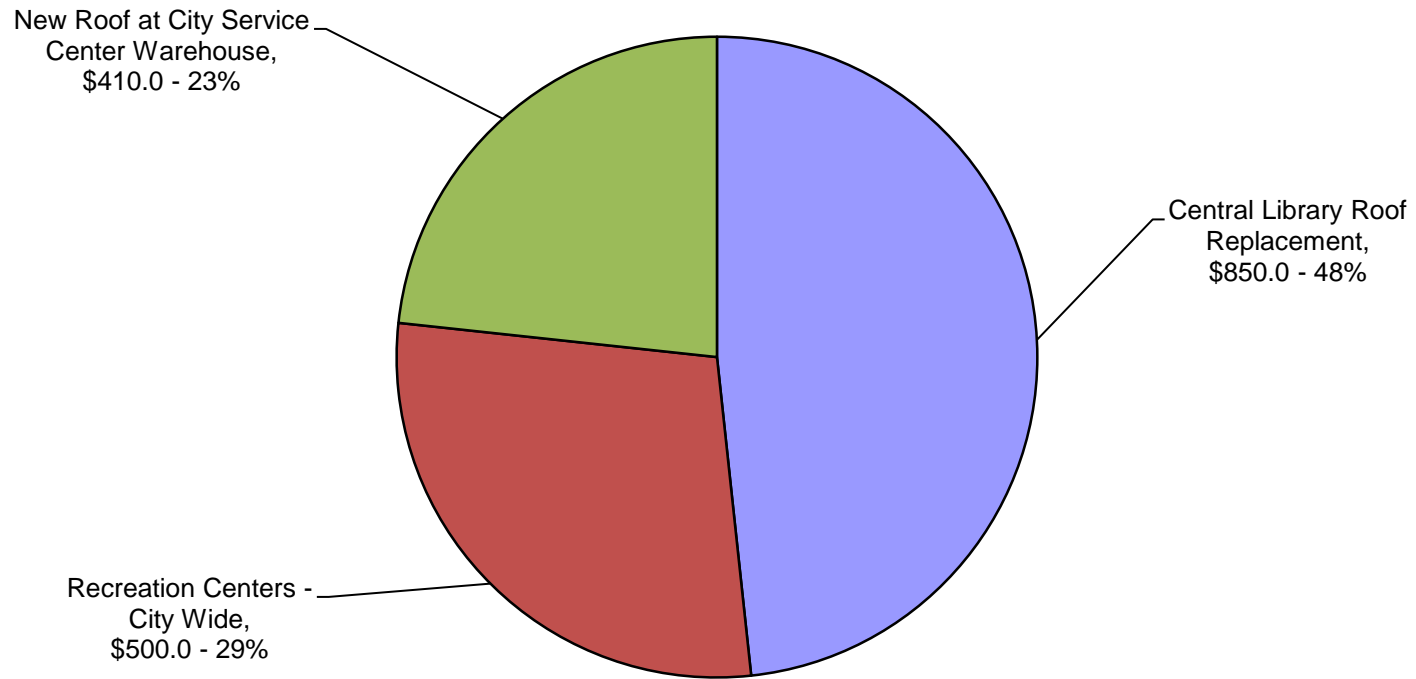
The Public Facilities Long-Range Program continues to identify improvements to city-owned facilities to address aging infrastructure, increase energy efficiency and modernize existing technology. Corrective actions will be planned through either future bond elections or the yearly master plan improvement program.

A recap of the Public Facilities Capital Improvement Budget for Fiscal Year 2016 - 2017 includes:

	YEAR ONE 2016 – 2017	YEAR TWO 2017 – 2018	YEAR THREE 2018 – 2019
TOTAL PROGRAMMED EXPENDITURES:	\$ 1,760,000	\$ 2,528,000	\$ 2,681,000
RECOMMENDED ADDITIONAL FUNDING:			
Certificates of Obligation	\$ 1,760,000	\$ 2,528,000	\$ 1,450,000
Future Bond Election	\$ 0	\$ 0	\$ 1,231,000
TOTAL PROGRAMMED FUNDS:	\$ 1,760,000	\$ 2,528,000	\$ 2,681,000

All other required funding was budgeted and received in previous years' budgets as listed on the Public Facilities Short Range Summary Sheet.

Public Facilities
Annual CIP: \$1,760.0
(Amounts in 000's)



Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
PF 01	Signs/Signal Operations - New Shop and Office Facility Finance and Engineering Number: E12110	2,477.0	98.0				-
PF 02	Central Library Roof Replacement Finance and Engineering Number: E12121	31.6	228.4	850.0			850.0
PF 03	Owen R. Hopkins & Garcia Library Roof Replacement Finance and Engineering Number: E12122	25.0	55.0				-
PF 04	Comprehensive Facilities Improvements Finance and Engineering Number: E14062	435.6	1,614.4				-
PF 05	Repairs to Senior Centers - City Wide Finance and Engineering Number: TBD				500.0	800.0	1,300.0
PF 06	Repairs to Recreation Centers - City Wide Finance and Engineering Number: TBD			500.0			500.0
PF 07	New Roof at HEB Tennis Center Court Lounge Finance and Engineering Number: TBD					500.0	500.0
PF 08	New Roof at City Service Center Warehouse Finance and Engineering Number: TBD			410.0			410.0

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
PF 09	New Roof and HVAC Replacement at Police Sub-Station / Health Building (Flour Bluff) Finance and Engineering Number: TBD				600.0		600.0
PF 10	New Roof at Park Operations Building No. 4 Finance and Engineering Number: TBD				500.0		500.0
PF 11	Al Kruse Tennis Center Improvements Finance and Engineering Number: TBD				400.0	150.0	550.0
PF 12	Rain Intrusion at Science & History Museum Finance and Engineering Number: TBD				15.0	35.0	50.0
PF 13	Ben Garza Gym HVAC Replacement Finance and Engineering Number: TBD				90.0	210.0	300.0
PF 14	New Roof at Fire Station #13 Finance and Engineering Number: TBD				40.0	94.0	134.0
PF 15	New Lower Roof at Fire Station #14 Finance and Engineering Number: TBD				30.0	70.0	100.0
PF 16	Upgrade City Hall Basement IT Data Center Fire Suppression System Finance and Engineering Number: TBD				75.0	175.0	250.0

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
PF 17	Upgrade Elevators in City Facilities - City Wide Finance and Engineering Number: TBD				260.0	605.0	865.0
PF 18	Relocate Electrical Service Panel at Frost Building Finance and Engineering Number: TBD				18.0	42.0	60.0
Program Total:		2,969.2	1,995.8	1,760.0	2,528.0	2,681.0	6,969.0

CURRENTLY AVAILABLE FUNDING:

	Bond Issue 2012 Proceeds	2,533.6	381.4	-	-	-	-
	Certificates of Obligation	435.6	1,614.4	-	-	-	-
Total Currently Available:		2,969.2	1,995.8	-	-	-	-

RECOMMENDED ADDITIONAL FUNDING:

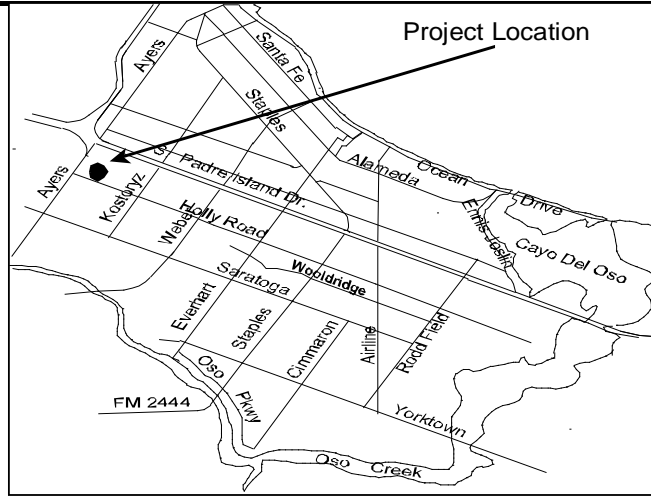
	Certificates of Obligation	-	-	1,760.0	2,528.0	1,450.0	5,738.0
	Future Bond Election	-	-	-	-	1,231.0	1,231.0
Total Funding Source:		2,969.2	1,995.8	1,760.0	2,528.0	2,681.0	6,969.0

PROJECT TITLE: Signs/Signal Operations - New Shop and Office Facility

Consistency with the Comprehensive Plan; Policy Statements pp. 48: 3 & 6

DESCRIPTION:

This project provides for a new 12,000SF building to consolidate the Streets and Signal departments that are currently located in 10 different buildings across the City. This new facility includes administration offices, fabrication work area, storage and shops, and the Traffic Management Center (TMC) for the Advanced Transportation Management System (ATMS). This facility will support 18 full time City employees for maintenance and support of Traffic Signs, Markings and Signals with approximately 5,000 SF designated for work area and storage. The new building construction includes metal panel insulated roof with exterior brick veneer and concrete masonry unit walls, new high energy-efficient HVAC and LED lighting, and new concrete drive with parking improvements. The new facility will be fully ADA accessible. This project will be constructed as a design / build contract to economize on cost.



PROJECT NOTES:

Project No: E12110
 Design Build Contractor: Fulton Coastcon
 Award Design/Construction: Oct 2015
 Anticipated Completion: Nov 2016

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	156.0						156,000
Design/Build Construction	2,280.5						2,280,500
Contingency							-
Inspection/Other	40.5	98.0					138,500
TOTAL:	2,477.0	98.0	-	-	-	-	\$ 2,575,000
Source of Funds							
Bond Issue 2012	2,477.0	98.0					2,575,000
TOTAL:	2,477.0	98.0	-	-	-	-	\$ 2,575,000

OPERATIONAL IMPACT:

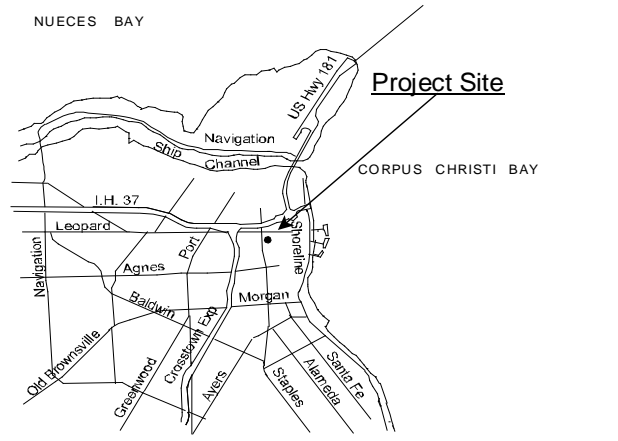
The current department operating budget should be able to absorb the operating budget of the new building. The new building will be considerable more energy efficient, but due to the increase in square footage, the energy costs should remain relatively the same.

PROJECT TITLE: Central Library Roof Replacement

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objectives 3 and 4.

DESCRIPTION:

This project proposes replacement of the roof at the low flat section of the building and requires modifications to the parapet wall base/counter flashing to eliminate water infiltration. Additional work includes repairs to the stucco wall system at the cupola, gutter and downspouts, and attachment clips, failing and/or missing clay roof tiles. A rainwater collection system is also included. This project will be constructed through the new Facilities Multiple Award Contract (FMAC) program to construct the project within the available funds.



PROJECT NOTES:

Project No: E12121
 A/E Consultant: Solka Nava Torno
 Contractor: TBD
 Award Design: April 2013
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	22.8						22,800
Design/Build Construction		200.0	750.0				950,000
Contingency		20.0	75.0				95,000
Inspection/Other	8.8	8.4	25.0				42,200
TOTAL:	31.6	228.4	850.0	-	-	-	\$ 1,110,000
Source of Funds							
Bond Issue 2012	31.6	228.4					260,000
Certificates of Obligation			850.0				850,000
TOTAL:	31.6	228.4	850.0	-	-	-	\$ 1,110,000

OPERATIONAL IMPACT:

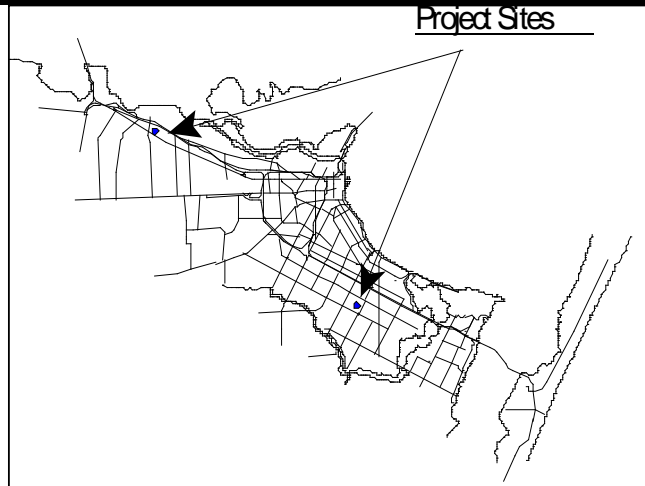
Due to the new roof, there could be minor reductions in electrical consumption, but the results would be nominal.

PROJECT TITLE: Owen R Hopkins and Garcia Library Roof Repair

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objectives 3 and 4.

DESCRIPTION:

This project proposes the replacement of roof to parapet wall base/counter flashing and expansion joint to eliminate water infiltration. A new storm water collection/roof drain system will be included. This project will be constructed through the new Facilities Multiple Award Contract (FMAC) program to construct the project within the available funds.



PROJECT NOTES:

Project No: E12122
 A/E Consultant: Solka Nava Torno
 Contractor: TBD
 Award Design: April 2013
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	13.8						13,800
Design/Build Construction		46.0					46,000
Contingency		4.0					4,000
Inspection/Other	11.2	5.0					16,200
TOTAL:	25.0	55.0	-	-	-	-	\$ 80,000
Source of Funds							
Bond Issue 2012	25.0	55.0					80,000
TOTAL:	25.0	55.0	-	-	-	-	\$ 80,000

OPERATIONAL IMPACT:

Due to the new roof, there could be minor reductions in electrical consumption, but the results would be nominal.

DEPARTMENT: Public Facilities

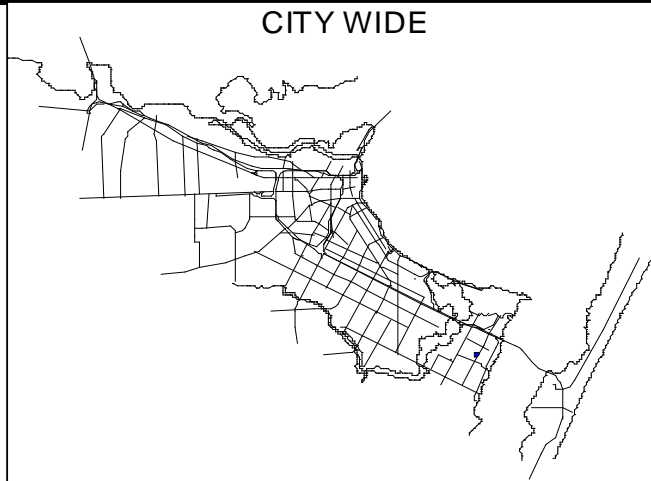
Sequence #04

PROJECT TITLE: Comprehensive Facilities Improvements

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project will provide for the construction of projects identified through the Comprehensive Facilities Master Plan. Work will include structural improvements, roofing, chillers and other capital outlay items to be completed on a yearly basis as funding allows. Currently, the project is programmed at \$2,000,000 per year in new Certificate of Obligation funding.



PROJECT NOTES:

Project No: E14062
 A/E Consultant: Various
 Contractor: Various
 Award Design: Various
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	52.2	100.0					152,200
Construction	300.0	1,350.0					1,650,000
Contingency		75.0					75,000
Inspection/Other	83.4	89.4					172,800
TOTAL:	435.6	1,614.4	-	-	-	-	\$ 2,050,000
Source of Funds							
Certificates of Obligation	435.6	1,614.4					2,050,000
TOTAL:	435.6	1,614.4	-	-	-	-	\$ 2,050,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

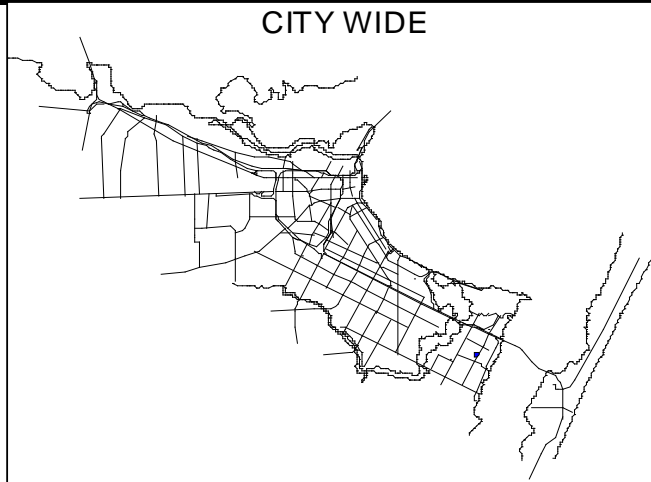
Sequence #05

PROJECT TITLE: Senior Centers - City Wide

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on all City Senior Center Facilities city-wide. The existing roofs and HVAC systems are approaching or are beyond their intended life and replacement is necessary to stop further deterioration of the facilities and ensure the comfort and safety of users. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2018
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				40.0	50.0		90,000
Construction				400.0	650.0		1,050,000
Contingency				30.0	50.0		80,000
Inspection/Other				30.0	50.0		80,000
TOTAL:				500.0	800.0	-	\$ 1,300,000
Source of Funds							
Certificates of Obligation				500.0	800.0		1,300,000
TOTAL:				500.0	800.0	-	\$ 1,300,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

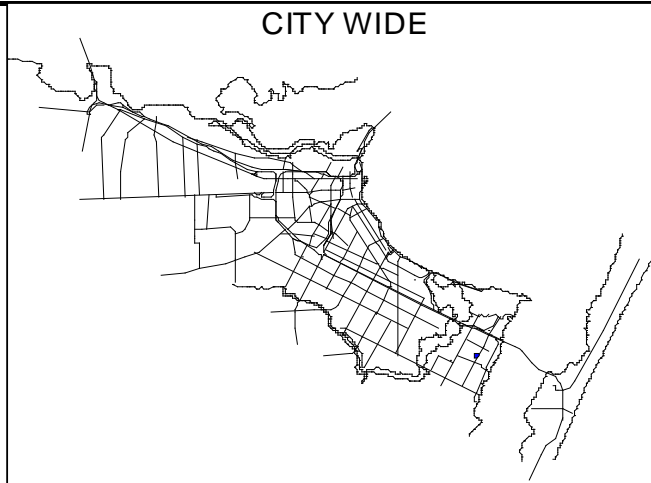
Sequence #06

PROJECT TITLE: Recreation Centers - City Wide

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on all City Recreation Center Facilities city-wide. The existing roofs and HVAC systems are approaching or are beyond their intended life and replacement is necessary to stop further deterioration of the facilities and ensure the comfort and safety of users. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2017
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			40.0				40,000
Construction			400.0				400,000
Contingency			40.0				40,000
Inspection/Other			20.0				20,000
TOTAL:			500.0	-	-	-	\$ 500,000
Source of Funds							
Certificates of Obligation			500.0				500,000
TOTAL:			500.0	-	-	-	\$ 500,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

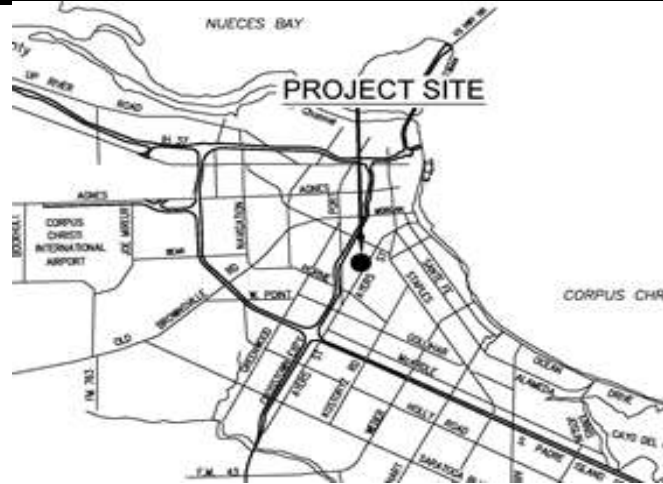
Sequence #07

PROJECT TITLE: New Roof at HEB Tennis Center Court Lounge

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on City facilities city-wide. A new and improved roof is necessary to protect the HEB Tennis Court Lounge. The existing roof is causing water damage internally and externally and, if not corrected, water infiltration will eventually lead to more serious conditions such as mold, mildew and damage to city equipment. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2019
 Award Construction: FY 2019
 Anticipated Completion: FY 2020

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering					40.0		40,000
Construction					400.0		400,000
Contingency					40.0		40,000
Inspection/Other					20.0		20,000
TOTAL:					500.0	-	\$ 500,000
Source of Funds							
Certificates of Obligation					500.0		500,000
TOTAL:					500.0	-	\$ 500,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

Sequence #08

PROJECT TITLE: New Roof at City Service Center Warehouse Roof

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on City facilities city-wide. A new and improved roof is necessary to protect the Warehouse Stores building. The existing roof is causing water damage internally and externally and, if not corrected, water infiltration will eventually lead to more serious conditions such as mold, mildew and damage to city equipment. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No:	TBD
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	FY 2017
Award Construction:	FY 2017
Anticipated Completion:	FY 2018

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			30.0				30,000
Construction			320.0				320,000
Contingency			30.0				30,000
Inspection/Other			30.0				30,000
TOTAL:			410.0	-	-	-	\$ 410,000
Source of Funds							
Certificates of Obligation			410.0				410,000
TOTAL:			410.0	-	-	-	\$ 410,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

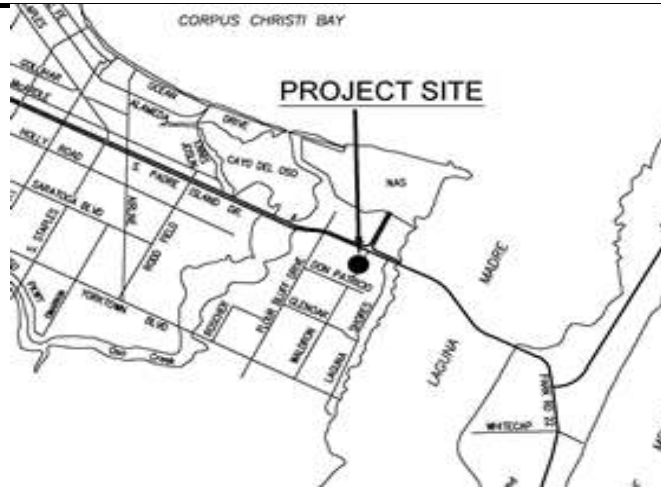
Sequence #09

PROJECT TITLE: New Roof and HVAC Replacement at Police Sub-Station / Health Building (Flour Bluff)

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on City facilities city-wide. A new and improved roof and new HVAC system is necessary to protect the police sub-station / health department WIC building. The existing roof is causing water damage internally and externally and, if not corrected, water infiltration will eventually lead to more serious conditions such as mold, mildew and damage to city equipment. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2018
 Award Construction: FY 2018
 Anticipated Completion: FY 2019

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				40.0			40,000
Construction				510.0			510,000
Contingency				25.0			25,000
Inspection/Other				25.0			25,000
TOTAL:				600.0	-	-	\$ 600,000
Source of Funds							
Certificates of Obligation				600.0			600,000
TOTAL:				600.0	-	-	\$ 600,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

Sequence #10

PROJECT TITLE: New Roof at Park Operations Building No. 4

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on City facilities city-wide. A new and improved roof is necessary to protect the Park Operations Building No. 4. The existing roof is causing water damage internally and externally and if not corrected water infiltration will eventually lead to more serious conditions such as mold, mildew and damage to city equipment. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2018
 Award Construction: FY 2018
 Anticipated Completion: FY 2019

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				40.0			40,000
Construction				400.0			400,000
Contingency				30.0			30,000
Inspection/Other				30.0			30,000
TOTAL:				500.0	-	-	\$ 500,000
Source of Funds							
Certificates of Obligation				500.0			500,000
TOTAL:				500.0	-	-	\$ 500,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

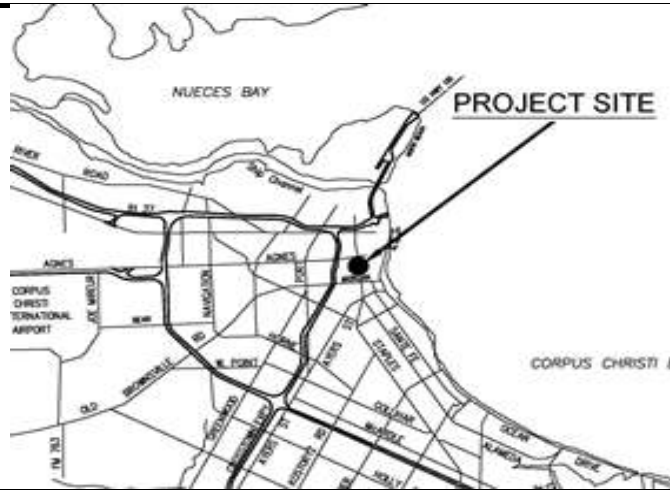
Sequence #11

PROJECT TITLE: Al Kruse Tennis Center Improvements

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of improvements to the Pro Shop and Concession Stand Building including painting the shop, new flooring, new exterior doors, and renovations to ADA restrooms. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2018
 Award Construction: FY 2018
 Anticipated Completion: FY 2019

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				50.0			50,000
Construction				300.0	100.0		400,000
Contingency				30.0	25.0		55,000
Inspection/Other				20.0	25.0		45,000
TOTAL:				400.0	150.0	-	\$ 550,000
Source of Funds							
Certificates of Obligation				400.0	150.0		550,000
TOTAL:				400.0	150.0	-	\$ 550,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

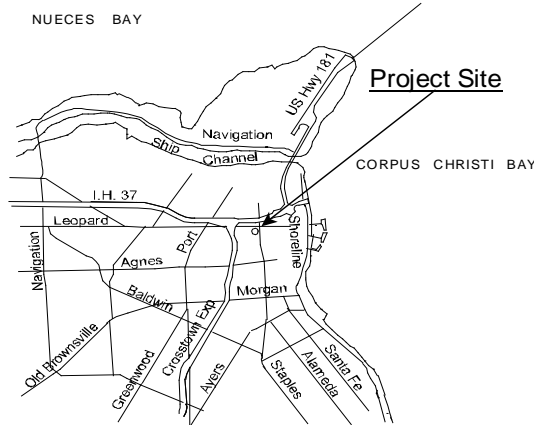
Sequence #12

PROJECT TITLE: Rain Intrusion at Science & History Museum

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on City facilities city-wide. The south building parapet needs to be re-flashed. The east windows need to be re-glazed, and the east balcony needs to be re-sealed to avoid water leaking into the Museum. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No:	TBD
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	FY 2018
Award Construction:	FY 2019
Anticipated Completion:	FY 2019

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				10.0			10,000
Construction					30.0		30,000
Contingency					2.0		2,000
Inspection/Other				5.0	3.0		8,000
TOTAL:				15.0	35.0	-	\$ 50,000
Source of Funds							
Certificates of Obligation				15.0			15,000
Future Bond Election					35.0		35,000
TOTAL:				15.0	35.0	-	\$ 50,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

Sequence #13

PROJECT TITLE: Ben Garza Gym HVAC Replacement

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on City facilities city-wide. The four main rooftop units are all over twenty years old, high maintenance cost consumers, and materially obsolescent. All units are in very poor condition and repairs are only effective for short duration. The units will continue to break down to the point of mandatory emergency replacement. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2018
 Award Construction: FY 2019
 Anticipated Completion: FY 2019

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				30.0			30,000
Construction				50.0	200.0		250,000
Contingency					10.0		10,000
Inspection/Other				10.0			10,000
TOTAL:				90.0	210.0	-	\$ 300,000
Source of Funds							
Certificates of Obligation				90.0			90,000
Future Bond Election					210.0		
TOTAL:				90.0	210.0	-	\$ 300,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

Sequence #14

PROJECT TITLE: New Roof at Fire Station #13

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on City facilities city-wide. A new and improved roof is necessary to protect Fire Station #13. The existing roof is causing water damage internally and externally and if not corrected water infiltration will eventually lead to more serious conditions such as mold, mildew and damage to equipment. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2018
 Award Construction: FY 2019
 Anticipated Completion: FY 2019

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				20.0			20,000
Construction					85.0		85,000
Contingency					9.0		9,000
Inspection/Other				20.0			20,000
TOTAL:				40.0	94.0	-	\$ 134,000
Source of Funds							
Certificates of Obligation				40.0			40,000
Future Bond Election					94.0		94,000
TOTAL:				40.0	94.0	-	\$ 134,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

Sequence #15

PROJECT TITLE: New Lower Roof at Fire Station #14

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on City facilities city-wide. A new and improved lower roof is needed for Fire Station #14. The existing roof has caused damages to the existing parapet edges. Eventually, repair will be more expensive than replacement. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2018
 Award Construction: FY 2019
 Anticipated Completion: FY 2019

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				15.0			15,000
Construction					65.0		65,000
Contingency					5.0		5,000
Inspection/Other				15.0			15,000
TOTAL:				30.0	70.0	-	\$ 100,000
Source of Funds							
Certificates of Obligation				30.0			30,000
Future Bond Election					70.0		70,000
TOTAL:				30.0	70.0	-	\$ 100,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs.

DEPARTMENT: Public Facilities

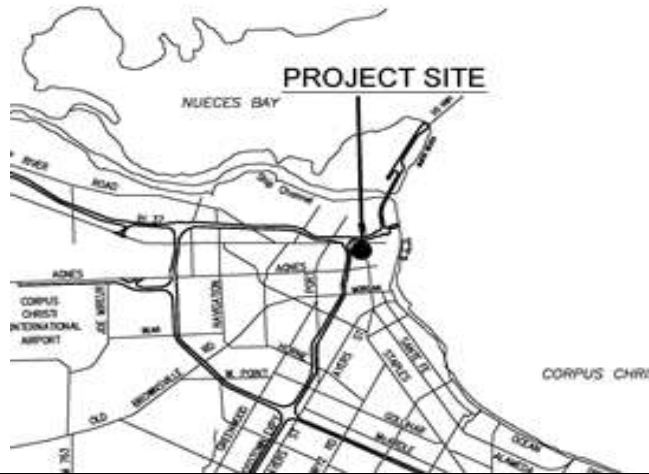
Sequence #16

PROJECT TITLE: Upgrade City Hall Basement IT Data Center Fire Suppression System

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on City facilities city-wide. The current fire suppression system in the City Hall Data Center uses Halon as a suppression agent which was discontinued per EPA direction several years ago. This project would replace storage bottles, piping, control/spray heads and monitoring hardware with compliant/updated materials. Work will be completed through the Facilities Multiple Awards Contract (FMAC) Program when possible to expedite construction and save on costs.



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2018
 Award Construction: FY 2019
 Anticipated Completion: FY 2019

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				25.0			25,000
Construction					165.0		165,000
Contingency					10.0		10,000
Inspection/Other				50.0			50,000
TOTAL:				75.0	175.0	-	\$ 250,000
Source of Funds							
Certificates of Obligation				75.0			75,000
Future Bond Election					175.0		175,000
TOTAL:				75.0	175.0	-	\$ 250,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs and would protect City property and personnel.

DEPARTMENT: Public Facilities

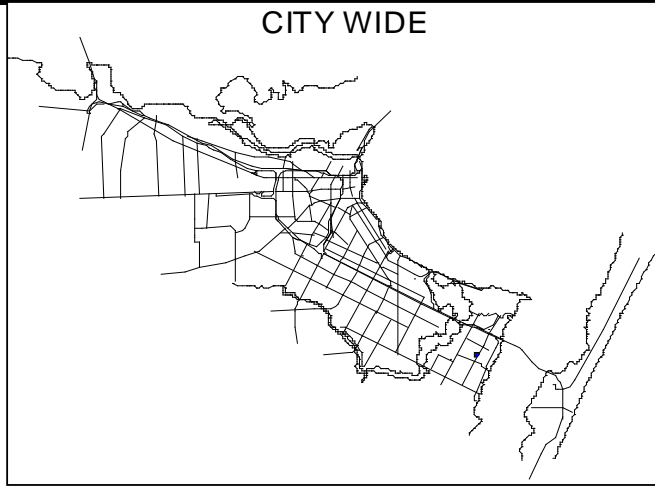
Sequence #17

PROJECT TITLE: Upgrade Elevators in City Facilities - Citywide

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on City facilities city-wide. A majority of elevators in City Facilities are operating under waivers from the State for correction of inspection deficiencies noted during annual Qualified Electrical Inspections. While none are "safety related" according to State regulations, many have reached the point of equipment obsolescence and will no longer be waived by the State (e.g. Fire Alarm Panels, Hoistway Lighting, etc.).



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2018
 Award Construction: FY 2019
 Anticipated Completion: FY 2019

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				200.0			200,000
Construction					550.0		550,000
Contingency					55.0		55,000
Inspection/Other				60.0			60,000
TOTAL:				260.0	605.0	-	\$ 865,000
Source of Funds							
Certificates of Obligation				260.0			260,000
Future Bond Election					605.0		605,000
TOTAL:				260.0	605.0	-	\$ 865,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but energy efficient repairs should lower operational costs and would protect City property and personnel.

DEPARTMENT: Public Facilities

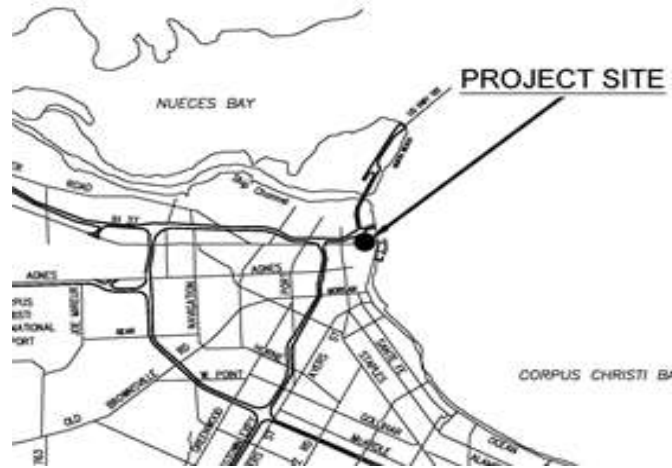
Sequence #18

PROJECT TITLE: Relocate Electrical Service Panel at Frost Building

Consistency with Comprehensive Plan; Policy Statements, Public Facilities Objective 3.

DESCRIPTION:

This project has been developed as part of the Comprehensive Facilities Master Plan. Work will consist of phased roof replacements, new HVAC systems and other necessary capital repairs on City facilities city-wide. During a remodeling project of the building, one main circuit breaker panel serving the City-side of the facility was left on the Frost Bank side of the common dividing wall. This project would relocate panel & associated circuits to the City spaces to permit access in emergency situations.



PROJECT NOTES:

Project No: TBD
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2018
 Award Construction: FY 2019
 Anticipated Completion: FY 2019

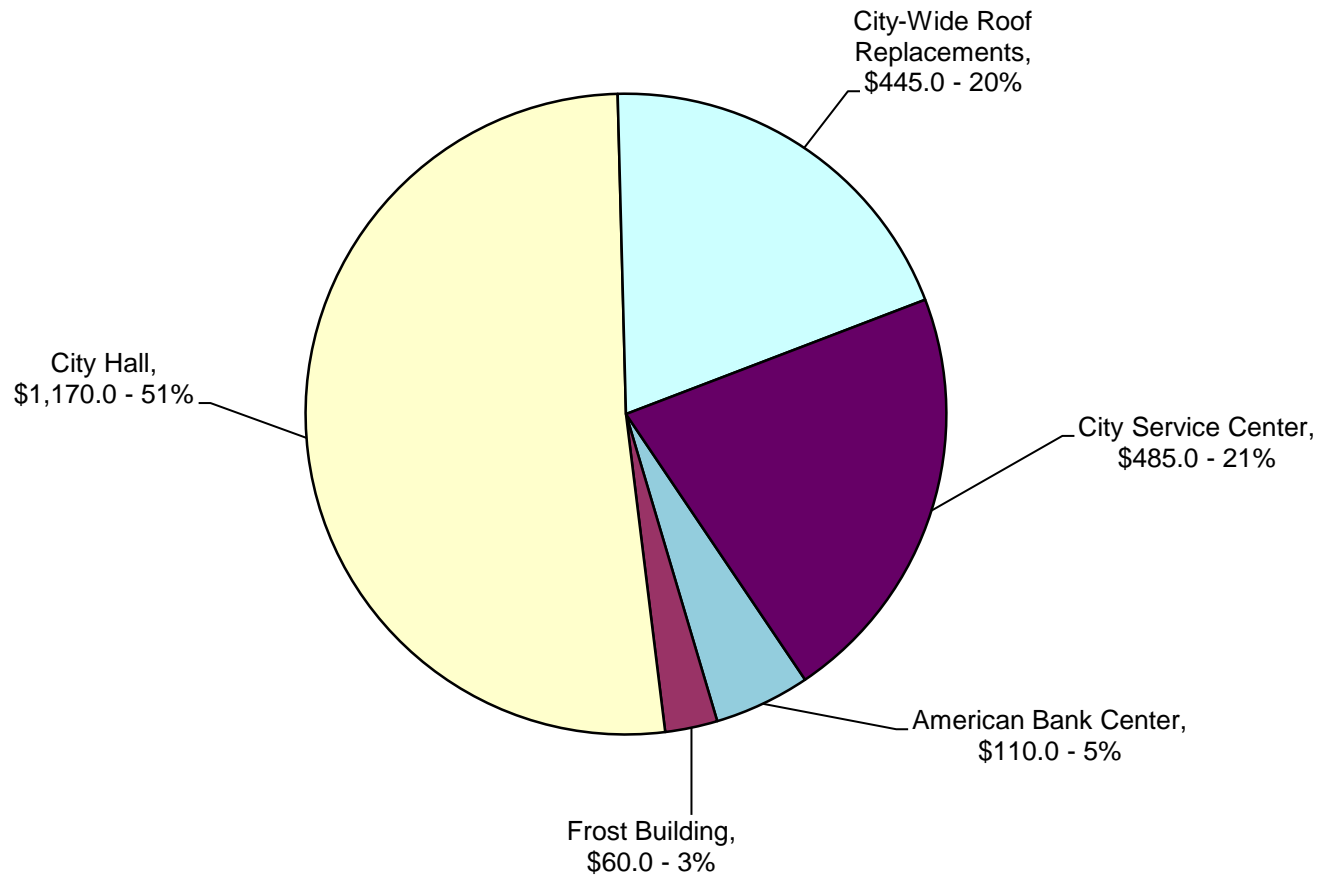
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				8.0			8,000
Construction					40.0		40,000
Contingency					2.0		2,000
Inspection/Other				10.0			10,000
TOTAL:				18.0	42.0	-	\$ 60,000
Source of Funds							
Certificates of Obligation				18.0			18,000
Future Bond Election					42.0		42,000
TOTAL:				18.0	42.0	-	\$ 60,000

OPERATIONAL IMPACT:

Unable to anticipate impact at this time, but would protect City property and personnel in the case of an emergency.

Public Facilities
Long-Range CIP: \$2,270.0
(Amounts in 000's)



MUSEUM

- 1 Expand and Improve Watergarden Accessible Driveway (SEA District) TBD
To improve the accessibility and visibility of the Museum of Science and History and the Art Museum with its new addition, the team of Sasaki/Gignac have recommended the installation of a new circular roadway in the Water garden. This project was also recommended by the Museum's consultant, Ralph Applebaum and Associates, in their Visualization Concept study.

- 2 Acquisition of the Corps of Engineers Site near Science & History Museum TBD
This project proposes to acquire the current Corps of Engineers property to allow for private development in the Watergarden area consistent with Sasaki/Gignac conceptual plan of October 2006.

CITY WIDE FACILITIES ROOF REPLACEMENTS

- 3 Ben Garza Gym Roof Replacement \$150,000
A new and improved roof is necessary to protect the Ben Garza Gymnasium. The existing roof is causing water damage internally and externally and if not corrected water infiltration will eventually lead to more serious conditions such as mold, mildew and damage to equipment.

- 4 Capital Repairs to City Senior Centers - City Wide TBD
This project will consist of a phased roof replacement on all City Senior Center Facilities city-wide. The existing roofs are approaching or are beyond their intended life and replacement is necessary to stop further deterioration of the facilities.

- 5 Capital Repairs to City Recreation Centers - City Wide TBD
This project will consist of a phased roof replacement on all City Recreation Facilities city-wide. The existing roofs are approaching or are beyond their intended life and replacement is necessary to stop further deterioration of the facilities.

- 6 Neyland Library New Roof and Expansion \$75,000
A new and improved roof is necessary to protect the Neyland Library. The existing roof is causing water damage internally and if not corrected water infiltration will eventually lead to more serious conditions such as mold, mildew and damage to equipment.

- 7 Allison Water Treatment Plant New Roof \$120,000
A new and improved roof is necessary to protect the Allison Wastewater Treatment Plant Main Building. The existing roof is causing water damage internally and externally and if not corrected water infiltration will eventually lead to more serious conditions such as mold, mildew and damage to city equipment.

- 8 ON Stevens Water Treatment Plant New Roof \$100,000
A new and improved roof is necessary to protect the ON Stevens Water Treatment Plant Chemical Building. The existing roof is causing water damage internally and externally and if not corrected water infiltration will eventually lead to more serious conditions such as mold, mildew and damage to city equipment.

CITY HALL

- | | | |
|----|--|-----------|
| 9 | Replace City Hall Flat Roof | \$350,000 |
| | Minor leaks have developed over the past year in various locations on the 5th and 2nd Floors. Breaks in roof material permit water to migrate through cracks in concrete roof structure into building spaces. This project would consist of application of roofing system to restore water tight integrity. | |
| 10 | Upgrade City Hall Main Electrical Control Banks | \$350,000 |
| | The original installation is now obsolescent technology and experiences decreased reliability. This project consists of upgrading breakers, wiring and indicators on panels. | |
| 11 | Conduct Electrical System Survey/Load Analysis at City Hall | \$95,000 |
| | Extensive alterations and remodels of the facility require load analysis, circuit tracing, panel identification and labeling throughout the facility to ensure compliance with fire and safety codes. | |
| 12 | Upgrade City Hall Data Center HVAC System | \$375,000 |
| | The current system is an 18-year-old 50-Ton McQuay compressor providing chilled water to four closed circuit air handlers. Extensive additions of servers and ancillary equipment over the years has resulted in heat loads being generated that exceed the capacity of the system, causing the compressor to run both sides continually, while not achieving set point temperatures required to support servers. Planned additions to server installations will further exacerbate current conditions and result in deterioration of equipment installed in the space. This project will require an extensive thermal load survey (current and planned) by mechanical engineers, followed by capacity upgrades to compressor unit and air handling units. | |

CITY SERVICE CENTER

- | | | |
|----|---|-----|
| 13 | Correct Structural Deficiencies at City Service Center Maintenance Building 3B | TBD |
| | Foundation settlement has occurred along the perimeter suspended foundation beam and precast panel at the City's Service Center. This has caused an interior Concrete Masonry Unit (CMU) wall not resting on a foundation beam to drop and crack approximately two-inches at the worst location. It appears the six-inch slab is not doweled to the pier supported precast wall foundation. Foundation should have been constructed on a suspended concrete beam on piers or at least had the slab on grade doweled to the perimeter beam. There are two potential solutions: | |
| | 1. Remove concrete slab on grade foundation and intermediate CMU walls. Re-build as a suspended pier and beam foundation and rebuild CMU walls. | |
| | 2. Remove concrete slab on grade foundation and intermediate CMU walls. Re-build slab on grade foundation doweled to beams with suspended interior grade beam on piers under CMU wall, and rebuild CMU walls. | |

CITY SERVICE CENTER (continued)

- 14 Construct Heavy Duty Vehicle Wash Station at City Service Center \$85,000
A dual loop above-ground high pressure fresh water spray facility is necessary to permit drive-thru cleaning of City Fleet Vehicles.

AMERICAN BANK CENTER

- 15 Expansion of Maintenance Shop Structure at American Bank Center \$110,000
The Building Maintenance Shop needs to be expanded the equivalent of four equipment bays parallel to the Storm Water Ditch (West Side) to accommodate electrical repair and plumbing trades. This will also free up floor space to permit effective use of carpenter shop equipment. The current facility is a 30-year-old structure previously used to store equipment.

FROST BUILDING

- 16 Lighting Control Upgrades at Frost Building First Floor \$60,000
Electrical service has now become the largest direct operational cost for major City facilities. This project would install composite (infrared & motion) detectors to control lighting in unoccupied offices, meeting spaces, and storage areas. Work can be sequenced by zone/floor and in-house electricians can be used for installation.
- 17 Install Secondary Emergency Generator at Frost Building TBD
Primary emergency generator & switchgear is located at ground level exterior to the facility. Severe flooding, missile hazards, or fuel shortages will render unit unserviceable and jeopardize Emergency Operations Center operations. A recommended secondary unit would be placed in the 4th Floor Mechanical Room (previous location of original 2-cylinder unit used by Frost Bank), powered by natural gas (no fuel storage required & reliable source) using turbine or diesel prime mover.

HEAVY EQUIPMENT VEHICLE SHOP

- 18 Building Expansion for Fleet Heavy Equipment Vehicle Shop TBD
The existing space needs to be expanded to accommodate an additional six (6) heavy equipment bays for large vehicles and construction equipment. Three new bays would include above ground heavy duty vehicle lifts, one would include below surface service pit, and the other two would include at surface level bays.
- 19 Exterior Canopy Work for Fleet Heavy Equipment Building at City Service Center \$75,000
A cover is needed to provide the mechanics shelter from sun and rain and protect the equipment during vehicle maintenance.

SOLID WASTE BUILDING

20 HVAC System Upgrades at Solid Waste and Street Building at City Service Center \$325,000

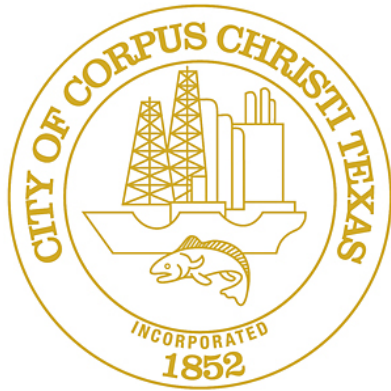
This building currently uses spot system (multiple rooftop compressors) that only covers small zones within building. Air flows are uneven and high maintenance is required due to age and location of roof units. This project would replace the existing system with a single compressor and dual air handlers (one each side of building) with centralized control/monitoring system.

TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS: \$2,270,000



PUBLIC HEALTH

Obligation to the Future



CITY OF CORPUS CHRISTI PUBLIC HEALTH & SAFETY PROGRAM

This year's Public Health & Safety program includes several new projects to support landfill expansion and prevent dangerous conditions and permit violations. The Cefé Valenzuela landfill covers 2,273.59 acres and has an expected capacity life of 100 years. The landfill permit specifies how the City must safely store, process, and dispose of waste materials in accordance with the rules of the Texas Commission on Environmental Quality (TCEQ) and the laws of the State of Texas. The projects listed herein include planning for future waste disposal needs and minimizing costs through the latest technological advances. Projects exploring the use of alternative energy sources will be pursued and projects to regulate greenhouse gases are included and required to be operational by November 11, 2017.

Several new projects to protect the integrity of the downtown flood protection system have been included in both the short and long range Public Health and Safety capital program. These projects utilize Type A Board Sales Tax and must be approved by the Corpus Christi Business and Job Development Corporation board during the year and then presented to City Council for approval and appropriation of funds at that time. These projects were developed to reinforce the bulkheads, breakwater, flood walls and Salt Flats levee that are all integral components of the downtown flood protection system. Additional work is planned at the Kinney and Power Street Pump Stations to ensure these two pump stations have the reliability and capacity to remove all water from the area during a significant storm event.

General Obligation Bond supported projects include the construction of Phase Two of a Vehicle Impound Yard and Garage and the construction of a New Fire Station #18 in the area of Ayers and Saratoga. Both facilities will be located on existing City property.

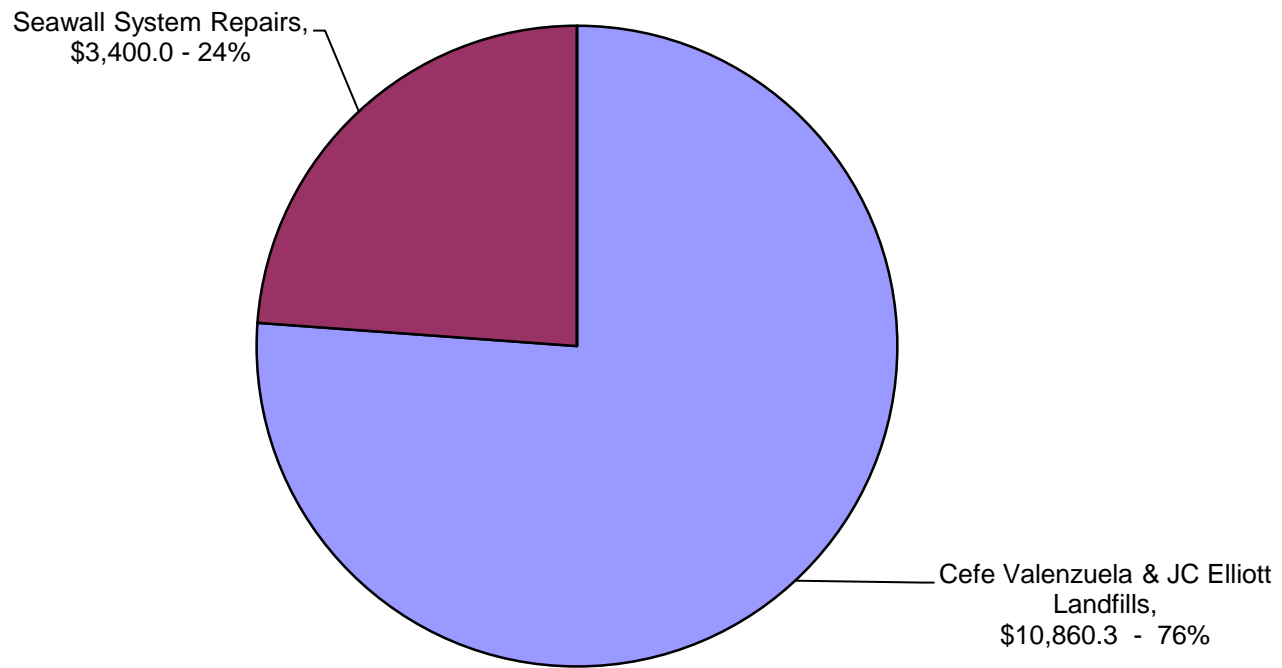
Included in the Public Health & Safety program, in years 2 and 3, are projects to be considered for a possible future bond election in 2018. These projects were chosen based on greatest need, momentum of previous bond projects, and ability to maximize funding with other available sources.

A recap of the budgeted expenditures includes:

	YEAR ONE 2016 – 2017	YEAR TWO 2017 – 2018	YEAR THREE 2018 – 2019
TOTAL PROGRAMMED EXPENDITURES:	\$ 14,260,300	\$ 26,345,000	\$ 37,305,000
 CURRENT AVAILABLE FUNDING:			
 RECOMMENDED ADDITIONAL FUNDING:			
Type A Sales Tax Proceeds	\$ 3,400,000	\$ 11,500,000	\$ 4,500,000
New Certificates of Obligation	\$ 10,860,300	\$ 14,845,000	\$ 5,750,000
Future Bond Election	\$ 0	\$ 0	\$ 27,055,000
TOTAL PROGRAMMED FUNDS:	\$ 14,260,300	\$ 26,345,000	\$ 37,305,000

All other required funding was budgeted and received in previous years' budgets as listed on the Public Health & Safety Short Range Summary Sheet.

**Public Health & Safety
Annual CIP: \$14,260.3
(Amounts in 000's)**



Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
PH 01	Vehicle Impound Yard, Phase 2 Finance and Engineering Number: E12126	172.7	527.3				-
PH 02	New Fire Station in area of Holly/Saratoga (Station #18) Finance Number: 140232 Engineering Number: 5246	156.0	1,877.3				-
PH 03	Police Headquarters Expansion / Renovation Finance and Engineering Number: TBD				1,095.0	2,555.0	3,650.0
PH 04	New Municipal Court Facilities Finance and Engineering Number: TBD				6,000.0	14,000.0	20,000.0
PH 05	Detention Facility Finance and Engineering Number: TBD				4,500.0	10,500.0	15,000.0
PH 06	J.C. Elliott Landfill New Office Building Finance and Engineering Number: E11060	227.2	1,683.7				-
PH 07	J.C. Elliott Landfill Gas Management to Energy System Finance Number: 140063 Engineering Number: 5280	167.7		TBD			-
PH 08	Landfill Pavement / Roadway Life Cycle Replacement Finance and Engineering Number: E16313			750.0	750.0	750.0	2,250.0

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
PH 09	Cefé Valenzuela Landfill Disposal Cells Interim Cover - Cells 3D, 4A and 4B Finance and Engineering Number: E11061	487.7		3,888.2			3,888.2
PH 10	Cefé Valenzuela Landfill Liquids (Leachate) Management Finance and Engineering Number: E11059	50.2	0.6	2,897.1			2,897.1
PH 11	Cefé Valenzuela Landfill Gas Collection and Control System (GCCS) Finance and Engineering Number: E16289			2,000.0			2,000.0
PH 12	Cefé Valenzuela Landfill Gas Flare for Gas Collection and Control System (GCCS) Finance and Engineering Number: E16309			500.0			500.0
PH 13	J.C. Elliott Landfill Leachate Collection System Upgrade Finance and Engineering Number: E16310			300.0	1,500.0		1,800.0
PH 14	Cefé Valenzuela Landfill Disposal Cells Construction Sectors 2A and 2B Finance and Engineering Number: E16311			25.0	500.0	4,500.0	5,025.0
PH 15	Landfill Erosion Control Lifecycle Rehabilitation Finance and Engineering Number: E16312			250.0	250.0	250.0	750.0
PH 16	Landfill On Call Support Services Finance and Engineering Number: E15103			250.0	250.0	250.0	750.0
PH 17	Seawall Capital Repairs Finance and Engineering Number: E11090			200.0	500.0	1,000.0	1,700.0

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
PH 18	Barge Dock Improvements Finance and Engineering Number: E03426			500.0			500.0
PH 19	United States Army Corps of Engineers Bulkhead Repairs Finance and Engineering Number: E16317					500.0	500.0
PH 20	Salt Flats Levee Improvements Finance Number: E12070 / E03428 Engineering Number: E12070 / E03428			1,000.0	2,000.0		3,000.0
PH 21	Repair Marina Breakwater at Magee Beach Finance and Engineering Number: E16318			500.0	3,000.0		3,500.0
PH 22	McGee Beach Nourishment/Boat Basin Dredging Finance and Engineering Number: E16321			200.0	1,000.0		1,200.0
PH 23	Science & History Museum Flood Wall Finance and Engineering Number: E16319			500.0	3,000.0		3,500.0
PH 24	Kinney & Power Street Pump Station Improvements Finance and Engineering Number: E16320			500.0	2,000.0	3,000.0	5,500.0
	Program Total:	1,261.5	4,088.9	14,260.3	26,345.0	37,305.0	77,910.3

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
-------	--------------	---	---	-------------------------------------	-----------------------	-----------------------	---------------------

CURRENTLY AVAILABLE FUNDING:

	Bond 2008 Proceeds	156.0	1,877.3	-	-	-	-
	Bond 2012 Proceeds	172.7	527.3	-	-	-	-
	Existing Certificates of Obligation	932.8	1,684.3	-	-	-	-
	Total Currently Available:	1,261.5	4,088.9	-	-	-	-

RECOMMENDED ADDITIONAL FUNDING;

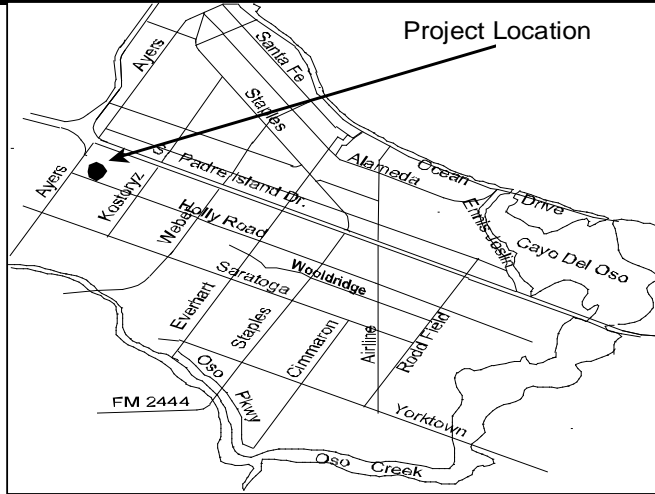
	Sales Tax Proceeds	-	-	3,400.0	11,500.0	4,500.0	19,400.0
	New Certificates of Obligation	-	-	10,860.3	14,845.0	5,750.0	31,455.3
	Future G.O. Bond Election	-	-	-		27,055.0	27,055.0
	Total Funding Source:	1,261.5	4,088.9	14,260.3	26,345.0	37,305.0	77,910.3

PROJECT TITLE: Vehicle Impound Yard and Garage, Phase 2

Consistency with Comprehensive Plan; Policy Statements pp. 48: 3 & 6; 52

DESCRIPTION:

This Bond 2012 project proposed the expansion of the current Vehicle Impound Lot into the adjacent one acre of land owned by the City. The expansion would include a 3,000 square foot forensics garage for investigative work on vehicles and a holding area for vehicles involved in crime scenes. During preliminary design it was determined that the proposed location exceeded available funds for unanticipated utility work and required permitting through the Texas Commission on Environmental Quality (TCEQ). Therefore, an alternate site is proposed adjacent to the old vehicle impound lot and next to where the Corpus Christi Police Department currently keeps their equipment and vehicles, located at the City's Service Center on Civitan Drive.



PROJECT NOTES:

Project No: E12126
 A/E Consultant: Freese Nichols, Inc.
 Contractor: TBD
 Award Design: July 2016
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	125.1						125,100
Construction		475.0					475,000
Contingency		47.0					47,000
Inspection/Other	47.6	5.3					52,900
TOTAL:	172.7	527.3	-	-	-	-	\$ 700,000
Source of Funds							
Bond Issue 2012	172.7	527.3					700,000
TOTAL:	172.7	527.3	-	-	-	-	\$ 700,000

OPERATIONAL IMPACT:

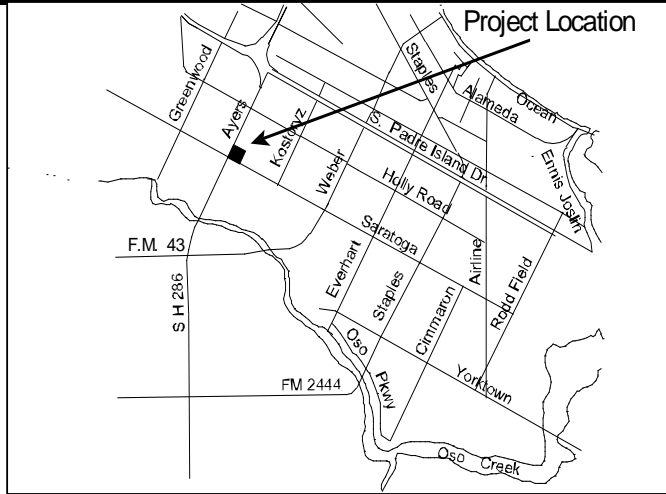
The operational budget impact cannot be determined at this time, but will be developed during the final design of the project.

PROJECT TITLE: New Fire Station in area of Holly / Saratoga (Station #18)

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3&6; pg. 50: a, b & c; 1994 South Side Fire Station Location Study

DESCRIPTION:

A new fire station will be constructed to meet the response needs with continued development and increased call volume in the Ayers Road area between Saratoga Boulevard and SPID. This location responds to the 2005 Tridata Comprehensive Analysis of Fire and EMS Delivery Study to improve response time and coverage. The new station location is at 6226 Ayers St on the north-east corner of the Ayers/Saratoga intersection on City-owned property. Construction of this project is pending coordination with the Fire Department Operating Budget for staffing and operational needs.



PROJECT NOTES:	
Engineering Project No:	5246
Finance Project No:	140232
A/E Consultant:	Chuck Anastos, AIA
Design/Build Contractor:	TBD
Award Design:	Dec 2010
Award Design/Build	July 2016
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	135.1						135,100
Construction		1,800.0					1,800,000
Contingency		-					-
Inspection/Other	20.9	77.3					98,200
TOTAL:	156.0	1,877.3	-	-	-	-	\$ 2,033,300
Source of Funds							
Bond Issue 2008	156.0	1,877.3					2,033,300
TOTAL:	156.0	1,877.3	-	-	-	-	\$ 2,033,300

OPERATIONAL IMPACT:

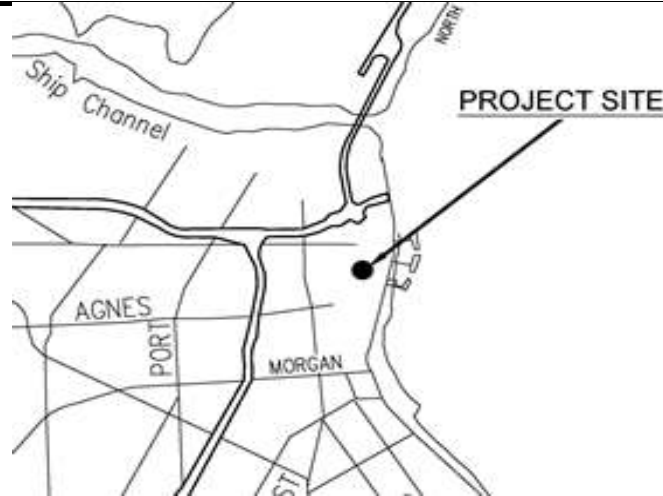
When this station goes on-line, staffing will have to be increased by 15 FTE's at a cost of almost \$1,000,000 per year. Other costs for contractual services, supplies and station utilities is estimated at an additional \$125,000 per year.

PROJECT TITLE: Police Headquarters Expansion / Renovation

Consistency with Comprehensive Plan; Policy Statements pp. 48: 3 & 6; 52

DESCRIPTION:

Police Headquarters, located at 127 N. Chaparral, requires renovation and/or expansion to accommodate staff and record storage areas for the Organized Crime Unit, Special Services, and Criminal Investigation Divisions. The Department needs approximately 15,000 additional square feet to locate all personnel in one location.



PROJECT NOTES:

Project No:	TBD
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	FY 2018
Award Construction:	FY 2019
Anticipated Completion:	FY 2020

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				400.0			400,000
Construction				495.0	2,100.0		2,595,000
Contingency					210.0		210,000
Inspection/Other				200.0	245.0		445,000
TOTAL:				1,095.0	2,555.0	-	\$ 3,650,000
Source of Funds							
Certificates of Obligation				675.0			675,000
Future G.O. Bond Election					1,575.0		1,575,000
TOTAL:				675.0	1,575.0	-	\$ 2,250,000

OPERATIONAL IMPACT:

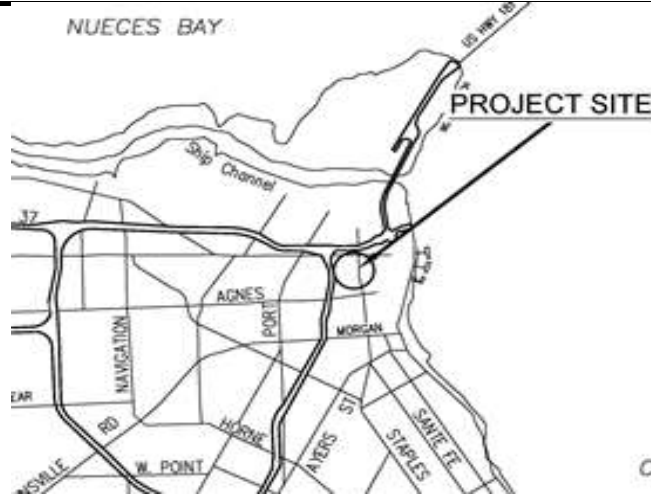
Operational impact will be determined during the design process.

PROJECT TITLE: New Municipal Court Facilities

Consistency with Comprehensive Plan; Policy Statements pp. 48: 3 & 6; 52

DESCRIPTION:

Municipal Court facilities are located in the Police Department Building at 127 N. Chaparral. The current facility has limited courtroom, office, and parking space. This proposal would include a new Municipal Court Building to include five courtrooms, the Juvenile Assessment Center, the Environmental Court and an operationally efficient lobby area to better serve the public. The facility would be constructed in the City Hall area on property already owned by the City. The project scope and cost estimates are part of the 2016 City of Corpus Christi New Municipal Court Facilities Report by the National Center for State Courts.



PROJECT NOTES:

Project No:	TBD
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	FY 2018
Award Construction:	FY 2019
Anticipated Completion:	FY 2020

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				3,000.0			3,000,000
Construction				1,000.0	11,000.0		12,000,000
Contingency					1,000.0		1,000,000
Inspection/Other				2,000.0	2,000.0		4,000,000
TOTAL:				6,000.0	14,000.0	-	\$ 20,000,000
Source of Funds							
Certificates of Obligation				6,000.0			6,000,000
Future G.O. Bond Election					14,000.0		14,000,000
TOTAL:				6,000.0	14,000.0	-	\$ 20,000,000

OPERATIONAL IMPACT:

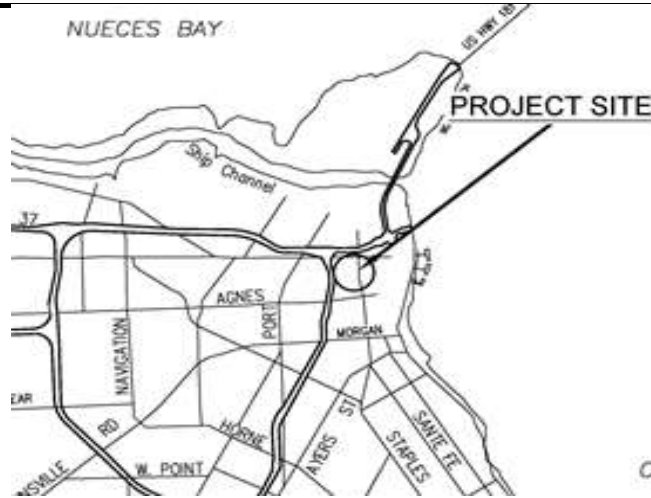
Operational impact will be determined during the design process.

PROJECT TITLE: Detention Center

Consistency with Comprehensive Plan; Policy Statements pp. 48: 3 & 6; 52

DESCRIPTION:

The City's Detention Center was created on short notice on the first floor of a high rise office building due to a last minute change in intergovernmental relationship between the City and the County concerning magistration of arrestees. The City would like to provide a purpose-built detention facility in order to fully provide for the proper housing and safety of arrestees as well as the safety of the City personnel who work in the facility. Improvements such as a proper sally-port for the transfer of arrestees, as well as full ADA compliance would be part of these improvements. The project scope and cost estimates are part of the 2016 City of Corpus Christi Detention Center Needs by DLR Group.



PROJECT NOTES:

Project No:	TBD
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	FY 2018
Award Construction:	FY 2019
Anticipated Completion:	FY 2020

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				1,500.0			1,500,000
Construction				2,000.0	9,000.0		11,000,000
Contingency					900.0		900,000
Inspection/Other				1,000.0	600.0		1,600,000
TOTAL:				4,500.0	10,500.0	-	\$ 15,000,000
Source of Funds							
Certificates of Obligation				4,500.0			4,500,000
Future G.O. Bond Election					10,500.0		10,500,000
TOTAL:				4,500.0	10,500.0	-	\$ 15,000,000

OPERATIONAL IMPACT:

Operational impact will be determined during the design process.

DEPARTMENT: **Public Health and Safety**

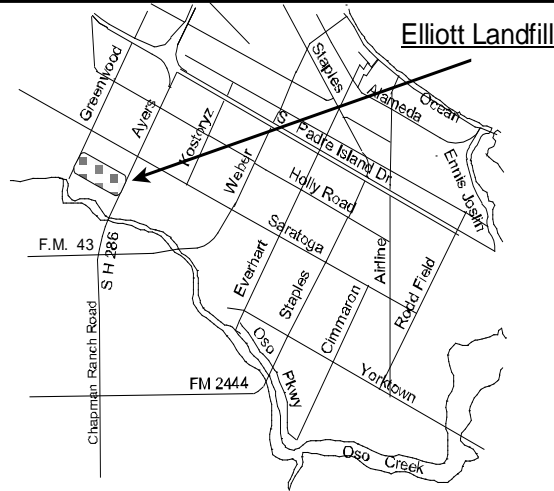
Sequence #06

PROJECT TITLE: J.C. Elliott Landfill New Office Building

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

This project will replace the existing office building which was acquired as a used manufactured building. The structure has reached the end of its serviceable life, does not meet current city code and requires constant maintenance. The new office is necessary to support landfill activity and employees at the J.C. Elliott Citizens Collection Center, Solid Waste Transfer Station, and Scale House.



PROJECT NOTES:

Project No.	E11060
Design/Build Contract:	Safenet
Award Design:	June 2013
Award Design/Build:	June 2016
Anticipated Completion:	Dec 2016

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	156.3						156,300
Construction		1,600.0					1,600,000
Contingency		-					-
Inspection/Other	70.9	83.7					154,600
TOTAL:	227.2	1,683.7	-	-	-	-	\$ 1,910,900
Source of Funds							
Certificates of Obligation	227.2	1,683.7					1,910,900
TOTAL:	227.2	1,683.7	-	-	-	-	\$ 1,910,900

OPERATIONAL IMPACT:

The operational impact of this project will be positive by saving operational repair and HVAC expenses over time. This project will replace an existing building which is inefficient and requires maintenance. A new building will reduce the need for constant maintenance and high utility costs and will conform to City Codes.

DEPARTMENT: Public Health and Safety

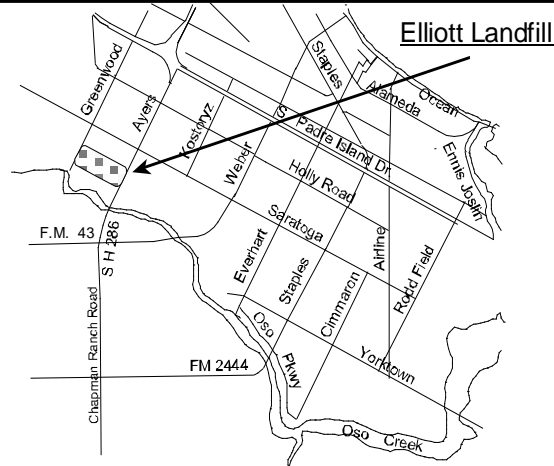
Sequence #07

PROJECT TITLE: J.C. Elliott Landfill Gas Management to Energy System

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

Prior year expenditures consist of the on-going development of a Request For Proposals (RFP) to solicit developer proposals for a landfill gas collection system for either a design-only or design-build system. This project is being explored to develop the potential construction of a gas powered electrical generation plant with the dual purpose of electrical generation power and the removal of greenhouse gas from the environment to improve air quality. If successful, this project could be used at other City-owned landfills and facilities. At this time, it is not known what the FY '17 costs may be.



PROJECT NOTES:

Finance Project No. 140063
 Engineering Project No. 5280
 A/E Consultant: Pending
 Contractor: TBD
 Award Design: FY 2018
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Development of RFQ Package	167.7		TBD				
Design & Engineering							
Construction							
Contingency							
Inspection/Other							
TOTAL:	167.7	-	-	-	-	-	TBD
Source of Funds							
Certificates of Obligation	167.7		TBD				
TOTAL:	167.7	-	TBD	-	-	-	TBD

OPERATIONAL IMPACT:

This project could result in large revenue generation from alternate energy production sources such as landfill gas. During the RFP review, the details of design, construction, costs and management will be developed. This project could also result in the elimination of retail purchases of electricity at the Greenwood Wastewater Treatment Plant. Electricity being generated at the landfill would be purchased by the Utility Fund at less than the commercial retail cost of electricity. If successful, this project could result in savings at facilities throughout the City.

DEPARTMENT: **Public Health and Safety**

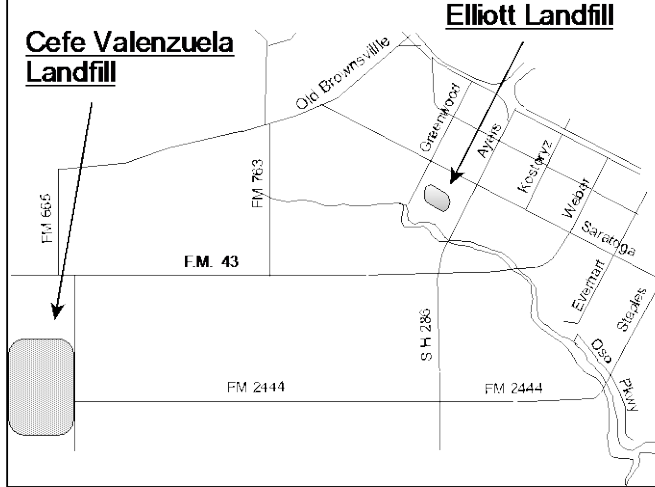
Sequence #08

PROJECT TITLE: Landfill Pavement/Roadway Life Cycle Replacement

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

Internal roadways and pavement located at Cefé Valenzuela and J. C. Elliott Landfills require periodic replacement due to the life cycle of the roadways and deterioration caused by heavy truck traffic. Recommended work is necessary to allow continued access to both facilities. Additionally, post closure monitoring and mulching operations require construction of additional internal roadways. J.C. Elliott roadway work has recently been completed and funding from prior years is completing road reconstruction at Cefé Valenzuela Landfill. Streets are repaired yearly to the extent that funding allows.



PROJECT NOTES:	
Project No.	E16313
A/E Consultant:	TBD
Award Design:	On-Going
Award Construction:	On-Going
Anticipated Completion:	On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			60.0	60.0	60.0		180,000
Construction			600.0	600.0	600.0		1,800,000
Contingency			60.0	60.0	60.0		180,000
Inspection/Other			30.0	30.0	30.0		90,000
TOTAL:			750.0	750.0	750.0	-	\$ 2,250,000
Source of Funds							
Certificates of Obligation			750.0	750.0	750.0		2,250,000
TOTAL:			750.0	750.0	750.0	-	\$ 2,250,000

OPERATIONAL IMPACT:

There is no direct operational impact due to this project, but access and operational efficiency could be greatly reduced and potential liability claims could be generated for damages to private vehicles if the work is not preformed.

DEPARTMENT: **Public Health and Safety**

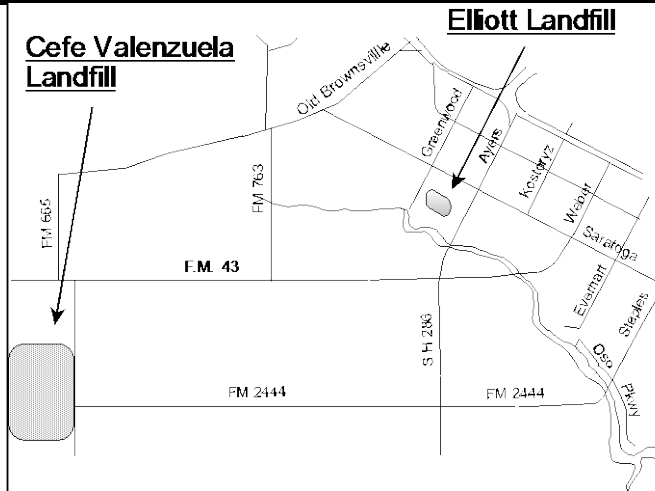
Sequence #09

PROJECT TITLE: Cefe Valenzuela Landfill Disposal Cells Interim Cover - Cells 3D, 4A & 4B

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

A Texas Commission on Environmental Quality (TCEQ) permit requires the design and installation of the interim final cover for disposal Cells 3D, 4A and 4B must be completed in a timely manner to protect public safety and avoid penalties. The TCEQ must review and approve the construction plans prior to construction starting. Installation of the interim final cover will protect the environment by keeping the accumulated waste in place. Using an alternate interim cover system could potentially reduce operational expenses if approval is given to a design which includes solar panels to produce energy. Currently, all permitting requirements have been completed and staff is waiting on the soil balance cover report and need for interim cover.



PROJECT NOTES:	
Project No.	E11061
A/E Consultant:	CP&Y
Award Design:	Jan 2013
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	475.5						475,500
Construction			3,350.0				3,350,000
Contingency			335.0				335,000
Inspection/Other	12.2		203.2				215,400
TOTAL:	487.7	-	3,888.2	-	-	-	\$ 4,375,900
Source of Funds							
Certificates of Obligation	487.7		3,888.2				4,375,900
TOTAL:	487.7	-	3,888.2	-	-	-	\$ 4,375,900

OPERATIONAL IMPACT:

This project is required by the Texas Commission on Environmental Quality (TCEQ) and successful completion of the project in a timely manner will avoid fines and penalties as well as protect the environment. The alternate interim cover, if approved by the TCEQ, could provide alternate energy savings and reduce landfill expenses.

DEPARTMENT: Public Health and Safety

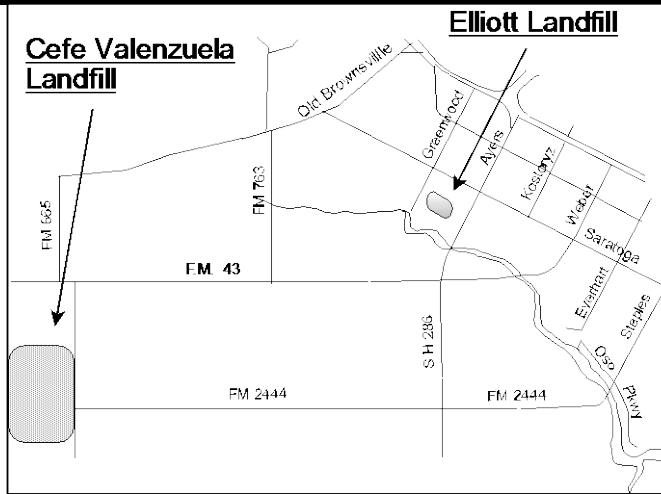
Sequence #10

PROJECT TITLE: Cefe Valenzuela Landfill Liquids (Leachate) Management

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

This project will provide for the required design and construction of a leachate recirculation system. Proposed work is necessary to maintain the control of leachate infected ground water and insure regulatory compliance for the proper handling of leachate generated from disposal cells. Proposed work will optimize controls, piping, and pumps for recirculation of leachate into the proper disposal cells and eliminates need for existing two 5-acre leachate ponds. Permit modification will be required to recirculate groundwater in cells with the recirculated leachate.



PROJECT NOTES:	
Project No.	E11059
A/E Consultant:	CP&Y
Award Design:	Oct 2013
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	41.3						41,300
Construction			2,500.0				2,500,000
Contingency			200.0				200,000
Inspection/Other	8.9	0.6	197.1				206,600
TOTAL:	50.2	0.6	2,897.1	-	-	-	\$ 2,947,900
Source of Funds							
Certificates of Obligation	50.2		2,897.1				2,947,300
TOTAL:	50.2	0.6	2,897.1	-	-	-	\$ 2,947,900

OPERATIONAL IMPACT:

This project will result in the elimination of future capital improvement projects to construct additional evaporation ponds as the size of the landfill increases. It will also optimize energy usage by improving the pumping pattern for the recirculation and control system which will reduce the amount of utility expense and labor costs required to operate the existing leachate control system.

DEPARTMENT: **Public Health and Safety**

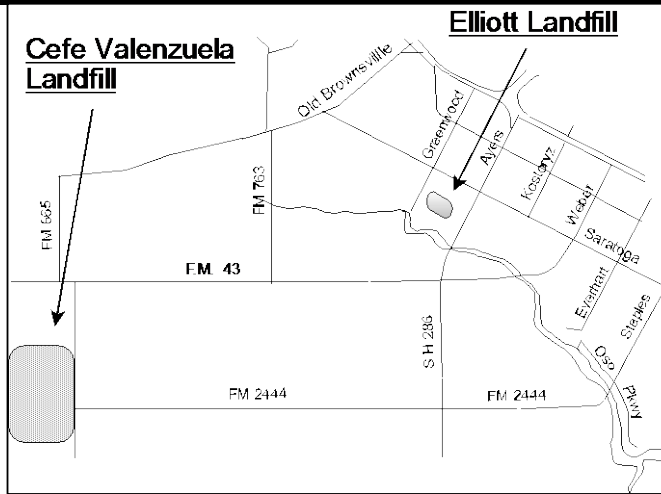
Sequence #11

PROJECT TITLE: Cefe Valenzuela Landfill Gas Collection and Control System (GCCS)

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

This project is required by the Texas Commission on Environmental Quality and Environmental Protection Agency regulations on greenhouse gases to be operational by November 11, 2017. The GCCS will collect landfill gasses into a collection system and then flare them to prevent them from escaping into the atmosphere and harming the ozone layer.



PROJECT NOTES:

Project No.	E16289
A/E Consultant:	SCS, Inc.
Contractor:	TBD
Award Design:	June 2016
Award Construction:	March 2017
Anticipated Completion:	Nov 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			150.0				150,000
Construction			1,500.0				1,500,000
Contingency			150.0				150,000
Inspection/Other			200.0				200,000
TOTAL:			2,000.0	-	-	-	\$ 2,000,000
Source of Funds							
Certificates of Obligation			2,000.0				2,000,000
TOTAL:			2,000.0	-	-	-	\$ 2,000,000

OPERATIONAL IMPACT:

Compliance with TCEQ / EPA regulations will avoid the daily violations and finds imposed after November 11, 2017.

DEPARTMENT: **Public Health and Safety**

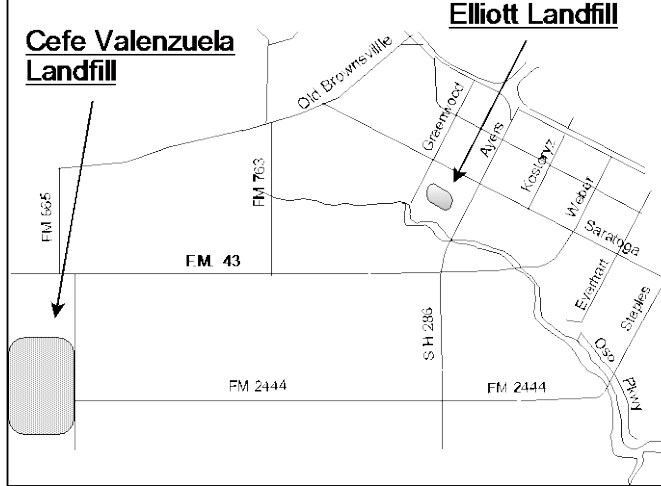
Sequence #12

PROJECT TITLE: Cefé Valenzuela Landfill Gas Flare for Gas Collection and Control System (GCCS)

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

This project involves the procurement of a flare for the Gas Collection and Control System (GCCS) currently being designed for the Cefé Valenzuela landfill and required by the Texas Commission on Environmental Quality & Environmental Protection Agency. If not in operation by November 11, 2017, the city is at risk for violation and daily fines. The flare must be purchased separately from the construction project due to it having a long lead-time that is detrimental to City bidder prices and participation in the larger project. This approach will take risk out of the City's project and save on costs by purchasing this item separately.



PROJECT NOTES:

Project No.	E16309
A/E Consultant:	N/A
Contractor:	N/A
Award Design:	N/A
Award Construction:	N/A
Anticipated Completion:	N/A

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction			450.0				450,000
Contingency			25.0				25,000
Inspection/Other			25.0				25,000
TOTAL:			500.0	-	-	-	\$ 500,000
Source of Funds							
Certificates of Obligation			500.0				500,000
TOTAL:			500.0	-	-	-	\$ 500,000

OPERATIONAL IMPACT:

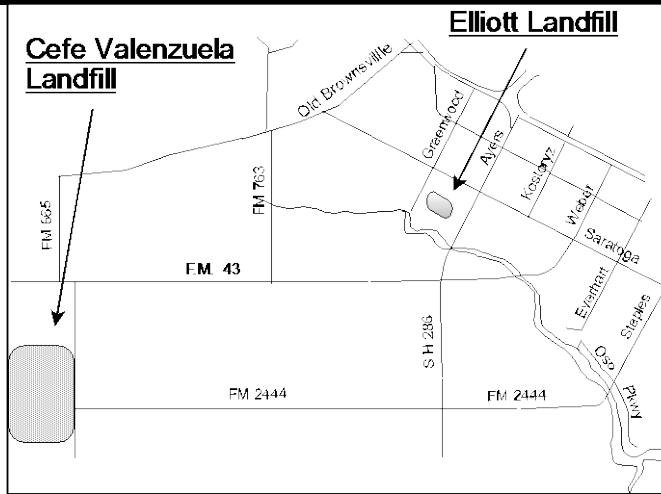
In addition to saving cost in excess of \$100,000 due to contractor mark-up, the operational impact of this project will be to comply with permit requirements and regulatory guidance by avoiding daily violations and fines imposed after November 11, 2017.

PROJECT TITLE: J.C. Elliott Landfill Leachate Collection System Upgrade

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

The current leachate collection system at the closed J.C. Elliott Landfill is past its useful service life and is experiencing failures which require constant repairs. A functional leachate collection system is part of Texas Commission on Environmental Quality (TCEQ) requirements for every landfill open or closed. For closed landfills the leachate collection system is required to prevent accumulation of liquids that could damage the High Density Polyethylene liner and leak environmental toxins to the ground water supply.



PROJECT NOTES:

Project No.	E16310
A/E Consultant:	RFQ
Contractor:	TBD
Award Design:	FY 2017
Award Construction:	FY 2018
Anticipated Completion:	FY 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			250.0				250,000
Construction				1,250.0			1,250,000
Contingency				125.0			125,000
Inspection/Other			50.0	125.0			175,000
TOTAL:			300.0	1,500.0	-	-	\$ 1,800,000
Source of Funds							
Certificates of Obligation			300.0	1,500.0			1,800,000
TOTAL:			300.0	1,500.0	-	-	\$ 1,800,000

OPERATIONAL IMPACT:

This project will keep the facility in permit compliance to avoid permit violations and fines.

DEPARTMENT: **Public Health and Safety**

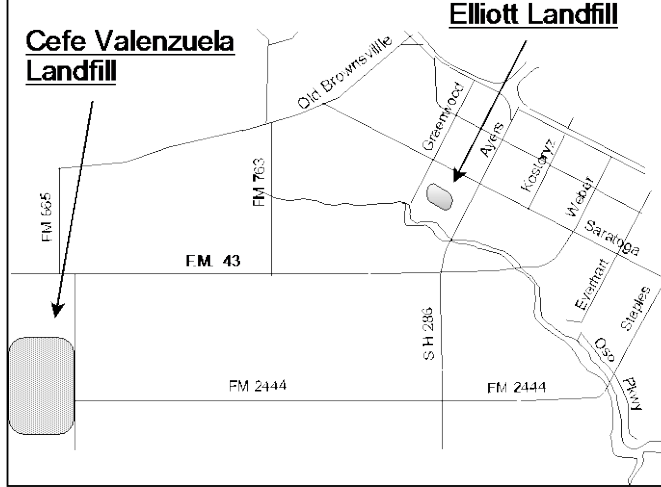
Sequence #14

PROJECT TITLE: Cefé Valenzuela Landfill Disposal Cells Construction Sectors 2A and 2B

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

The landfill has approximately two years of waste capacity remaining in the lined areas. Capacity exhaustion is anticipated December 2018. It is recommended that the liner design plans and specifications should begin 18 months prior to this date to ensure capacity availability. Cell excavation will provide cover soil for landfill operations.



PROJECT NOTES:	
Project No.	E16311
A/E Consultant:	RFQ
Contractor:	TBD
Award Design:	FY 2017
Award Construction:	FY 2019
Anticipated Completion:	FY 2019

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering				450.0			450,000
Construction					3,900.0		3,900,000
Contingency					390.0		390,000
Inspection/Other			25.0	50.0	210.0		285,000
TOTAL:			25.0	500.0	4,500.0	-	\$ 5,025,000
Source of Funds							
Certificates of Obligation			25.0	500.0	4,500.0		5,025,000
TOTAL:			25.0	500.0	4,500.0	-	\$ 5,025,000

OPERATIONAL IMPACT:

This project is required by the Texas Commission on Environmental Quality (TCEQ) and successful completion of the project in a timely manner will avoid fines and penalties as well as protect the environment. This project will provide cover soil from the new cell excavation, which will save costs for the operational budget.

DEPARTMENT: **Public Health and Safety**

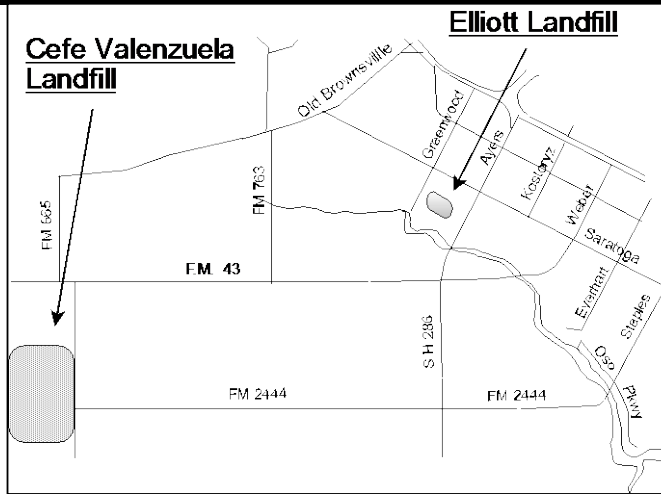
Sequence #15

PROJECT TITLE: Landfill Erosion Control Lifecycle Rehabilitation

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

The purpose of the Erosion Control Lifecycle Project is to provide the tools necessary to monitor, control, and repair the erosion on all closed and open landfills. Erosion in landfills could disturb the daily, intermediate, and/or final cover exposing garbage and damaging any liner set in place. Some erosion control measures include: vegetation of slopes, vegetation of other key areas, mechanical controls to channel water from slopes, etc. This is expected to be an ongoing activity for open and closed landfills necessary to maintain compliance status with State and Federal Laws.



PROJECT NOTES:

Project No.	E16312
A/E Consultant:	RFQ
Contractor:	TBD
Award Design:	On-Going
Award Construction:	On-Going
Anticipated Completion:	On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			20.0	20.0	20.0		60,000
Construction			200.0	200.0	200.0		600,000
Contingency			20.0	20.0	20.0		60,000
Inspection/Other			10.0	10.0	10.0		30,000
TOTAL:			250.0	250.0	250.0	-	\$ 750,000
Source of Funds							
Certificates of Obligation			250.0	250.0	250.0		750,000
TOTAL:			250.0	250.0	250.0	-	\$ 750,000

OPERATIONAL IMPACT:

This project will provide savings to the Operational Budget by holding soil cover in place, preventing future expenditures on additional soil cover and soil cover repairs. Also, this project helps maintain compliance to permit requirements to avoid future violations and fines.

DEPARTMENT: **Public Health and Safety**

Sequence #16

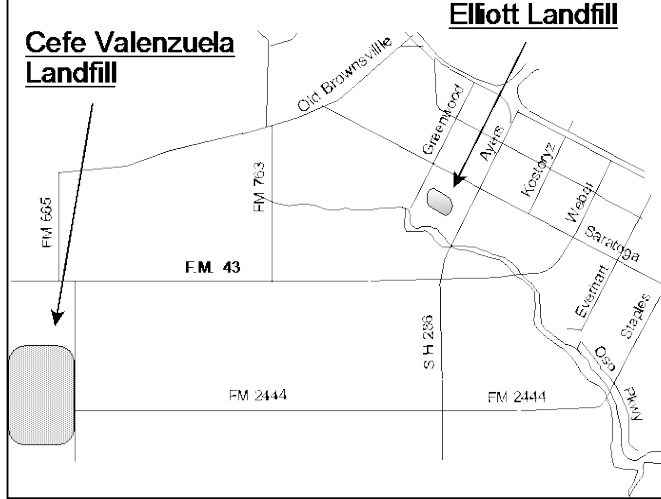
PROJECT TITLE: Landfill On Call Support Services

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

This project will provide Solid Waste Department with assistance as the need arises for operation and capital issues, permitting questions or clarifications, records research, small job order construction contract design, or other needs associated with the Elliott Landfill, Elliott Transfer Station and Cefe Valenzuela Landfill. Other responsibilities will include:

- Flood damaged pavement repairs to Oso Creek crossing at Elliott Landfill;
- Erosion repairs and control measures at soil borrow area south of Oso Creek;
- Pavement assessment and repairs at Elliott Transfer Station;
- Piping repairs/replacement for the Elliott Landfill leachate storage tanks;
- Development of Temporary Debris Storage and Reduction (TDSR) site(s) for Emergency Response program;
- Erosion repairs and control measures at Elliott Landfill;
- Regulatory consulting regarding status of soil borrow areas adjacent to Elliott Landfill



PROJECT NOTES:

Project No. E15103
 A/E Consultant: Naismith Engineering
 Contractor: Various
 Award Design: N/A
 Award Construction: N/A
 Anticipated Completion: N/A

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			225.0	225.0	225.0		675,000
Construction							-
Contingency							-
Inspection/Other			25.0	25.0	25.0		75,000
TOTAL:			250.0	250.0	250.0	-	\$ 750,000
Source of Funds							
Certificates of Obligation			250.0	250.0	250.0		750,000
TOTAL:			250.0	250.0	250.0	-	\$ 750,000

OPERATIONAL IMPACT:

Solid Waste staff have to be continually maintaining, improving and controlling their facilities. Many of the issues require timely implementation and all require engineering and permitting assistance. This project provides consultant services for the issues requiring timely response through either engineering consulting, permit compliance assistance, or engineering design, bid, and construction phase services.

DEPARTMENT: Public Health and Safety

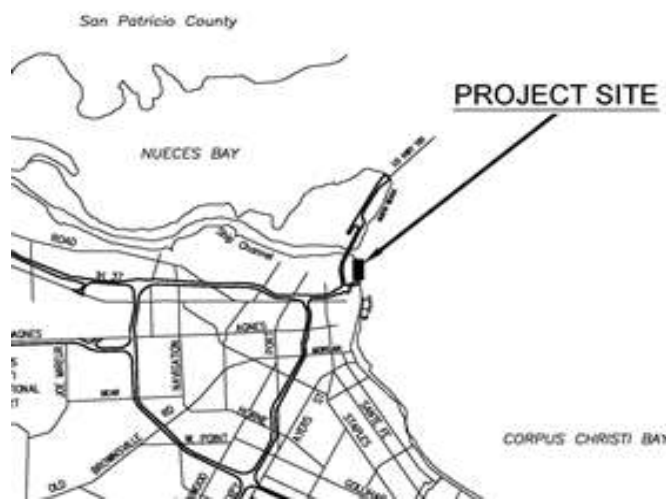
Sequence #17

PROJECT TITLE: Seawall Capital Repairs

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

The Corpus Christi Seawall was originally constructed from 1939 to 1942. With the initiation of the Seawall Maintenance sales and use tax, a major project was completed in 2007 to address advanced levels of deterioration of the Seawall system. That project was completed for a cost of \$43.4 million. The funding levels programmed in the CIP are anticipated to address routine maintenance issues. A subsequent major reconstruction is shown to occur after the expiration of the current one-eighth cent sales and use tax.



PROJECT NOTES:

Project No.	E11090
A/E Consultant:	Various
Contractor:	Various
Award Design:	On-Going
Award Construction:	On-Going
Anticipated Completion:	On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			15.0	40.0	75.0	3,420.0	3,550,000
Construction			150.0	400.0	750.0		1,300,000
Contingency			15.0	40.0	75.0		130,000
Inspection/Other			20.0	20.0	100.0	380.0	520,000
TOTAL:			200.0	500.0	1,000.0	3,800.0	\$ 5,500,000
Source of Funds							
Sales Tax Proceeds			200.0	500.0	1,000.0	3,800.0	5,500,000
TOTAL:			200.0	500.0	1,000.0	3,800.0	\$ 5,500,000

OPERATIONAL IMPACT:

Providing minor, routine repairs can defer potentially costly major structural reconstruction efforts.

DEPARTMENT: **Public Health and Safety**

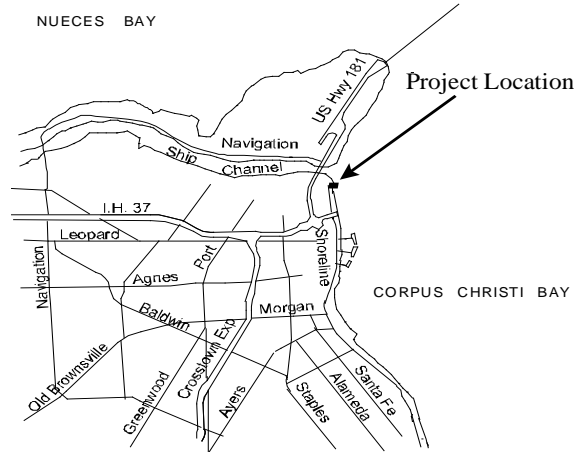
Sequence #18

PROJECT TITLE: Barge Dock Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

The Barge Dock (commonly referred to as the Art Museum Barge Dock) is located on N. Shoreline Boulevard at the north end of the Corpus Christi Seawall adjacent to the Art Museum of South Texas. Its proximity to the entrance of the Port of Corpus Christi, the American Bank Center, Selena Auditorium, the Museum of Science and History, and the Art Museum make the Barge Dock an integral part of these facilities. The Barge Dock area consists of a concrete paved area over fill material, contained along the Corpus Christi Bay by a sheet-pile supported structure topped with a concrete pile cap. The barge dock is frequently swamped by high tides limiting its usefulness. A previous concept of this project contemplated raising the structure and enhancing its use. The current program included funds for maintenance activities only.



PROJECT NOTES:

Project No. E03426
 A/E Consultant: RVE
 Contractor: TBD
 Award Design: Aug 2012
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering						100.0	100,000
Construction			400.0			900.0	1,300,000
Contingency			50.0			70.0	120,000
Inspection/Other			50.0			30.0	80,000
TOTAL:			500.0	-	-	1,100.0	\$ 1,600,000
Source of Funds							
Sales Tax Proceeds			500.0			1,100.0	1,600,000
TOTAL:			500.0	-	-	1,100.0	\$ 1,600,000

OPERATIONAL IMPACT:

There is not a direct operational cost at this time, but failure to achieve FEMA certification would greatly impact the City of Corpus Christi and downtown business insurance costs considerably.

DEPARTMENT: Public Health and Safety

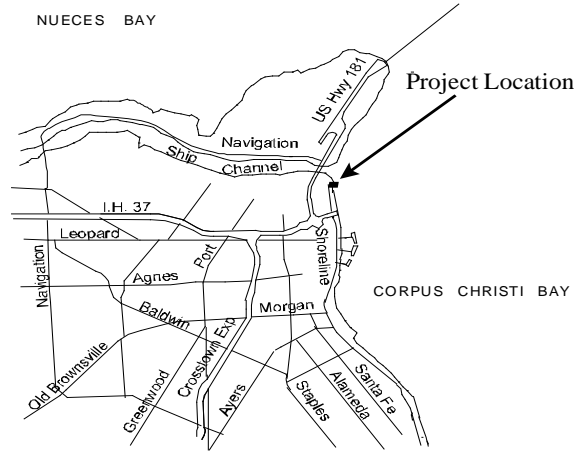
Sequence #19

PROJECT TITLE: United States Army Corps of Engineers Bulkhead Repairs

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

This project would include the construction of a new bulkhead along the south shoreline of the Science and History Museum eastward across the United States Army Corps of Engineers (USACE) property terminating at the northwest corner of the recently constructed bulkhead in front of the South Texas Art Museum. The low lying areas on the USACE property and the Port of Corpus Christi Authority property would be filled to an elevation approximately same as that in front of the Art Museum. Area paving could be constructed between the new bulkhead and existing floodwall.



PROJECT NOTES:

Project No.	E16317
A/E Consultant:	RFQ
Contractor:	TBD
Award Design:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering					450.0	800.0	1,250,000
Construction						8,000.0	8,000,000
Contingency						800.0	800,000
Inspection/Other					50.0	400.0	450,000
TOTAL:					500.0	10,000.0	\$ 10,500,000
Source of Funds							
Sales Tax Proceeds					500.0	10,000.0	10,500,000
TOTAL:					500.0	10,000.0	\$ 10,500,000

OPERATIONAL IMPACT:

There is no operational impact with this project.

PROJECT DESCRIPTION

DEPARTMENT: Public Health and Safety

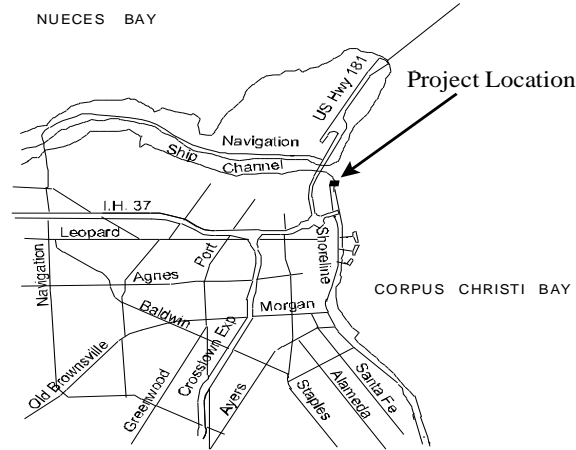
Sequence #20

PROJECT TITLE: Salt Flats Levee Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

The Salt Flats Levee System (originally referred to as the Backwater Levee) is an integral component of the downtown flood protection system. The levee requires improvements and maintenance to ensure that the system will function as originally designed. The levee is susceptible to various modes of failure. Additional study is underway and improvements are planned that would be sufficient to be certified by FEMA as a freeboard deficient reach. This means that although the system would not afford the level of protection required to be prevent overtopping in a 100-year event, it would not be vulnerable to catastrophic failure.



PROJECT NOTES:

Project No.	E12070
	E03428
A/E Consultant:	HDR
Contractor:	TBD
Award Design:	July 2015
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction			800.0	1,600.0			2,400,000
Contingency			80.0	160.0			240,000
Inspection/Other			120.0	240.0			360,000
TOTAL:			1,000.0	2,000.0	-	-	\$ 3,000,000
Source of Funds							
Sales Tax Proceeds			1,000.0	2,000.0			3,000,000
TOTAL:			1,000.0	2,000.0	-	-	\$ 3,000,000

OPERATIONAL IMPACT:

There is not a direct operational cost at this time, but failure to achieve FEMA certification would greatly impact the City of Corpus Christi and downtown business insurance costs considerably.

PROJECT DESCRIPTION

DEPARTMENT: Public Health and Safety

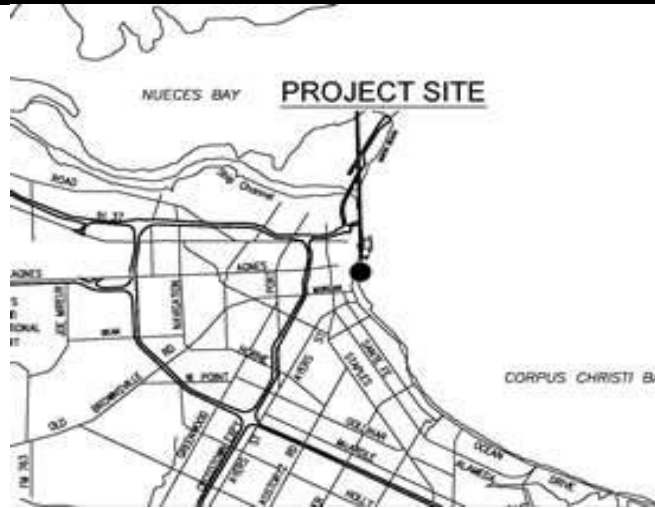
Sequence #21

PROJECT TITLE: Repair Marina Breakwater at McGee Beach

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

The proposed improvements consist of demolishing the existing elevated walkway and constructing a new breakwater and walkway in its place. The existing rock breakwater and walkway will be repaired and raised. These improvements will help fortify the seawall against wave attack by preventing failure of the breakwater and excessive erosion of McGee Beach. Construct/place rock ballast (smaller stones) to fill gaps between larger stone and provide a base for the new concrete cap. Build new cap wider (assumed here to be 2 ft wider) and higher (assumed here to be 1 ft higher) than original. This would make the new cap approximately 6 ft wide.



PROJECT NOTES:

Project No.	E16318
A/E Consultant:	HDR
Contractor:	TBD
Award Design:	Pending
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			450.0				450,000
Construction				2,500.0			2,500,000
Contingency				250.0			250,000
Inspection/Other			50.0	250.0			300,000
TOTAL:			500.0	3,000.0	-	-	\$ 3,500,000
Source of Funds							
Sales Tax Proceeds			500.0	3,000.0			3,500,000
TOTAL:			500.0	3,000.0	-	-	\$ 3,500,000

OPERATIONAL IMPACT:

There is no operational impact with this project.

PROJECT DESCRIPTION

DEPARTMENT: Public Health and Safety

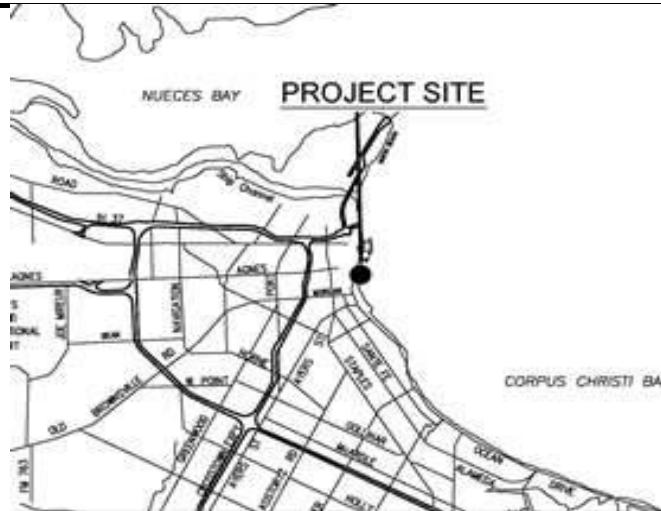
Sequence #22

PROJECT TITLE: McGee Beach Nourishment / Boat Basin Dredging

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

The proposed improvement consists of nourishing McGee Beach in order to improve potential storm damage reduction at the seawall. A wider beach will help the seawall survive a storm of longer duration or greater intensity. Sand may be trucked in from upland sources, such as quarries near the Nueces River, or dredged from the marina or bay. This project would address beach renourishment as well as shoaling issues in the marina.



PROJECT NOTES:

Project No.	E16321
A/E Consultant:	HDR
Contractor:	TBD
Award Design:	Pending
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			100.0			100.0	200,000
Construction			50.0	950.0		1,000.0	2,000,000
Contingency				50.0		50.0	100,000
Inspection/Other			50.0			50.0	100,000
TOTAL:			200.0	1,000.0	-	1,200.0	\$ 2,400,000
Source of Funds							
Sales Tax Proceeds			200.0	1,000.0		1,200.0	2,400,000
TOTAL:			200.0	1,000.0	-	1,200.0	\$ 2,400,000

OPERATIONAL IMPACT:

There is no operational impact with this project.

PROJECT DESCRIPTION

DEPARTMENT: Public Health and Safety

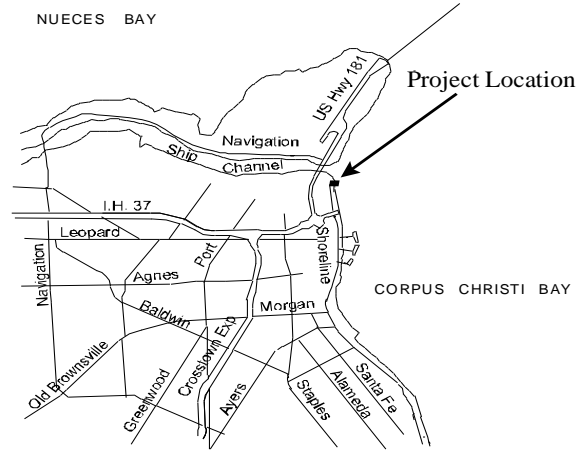
Sequence #23

PROJECT TITLE: Science & History Museum Flood Wall

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

This recommended improvement is to construct a new floodwall (or a coastal structure) that would follow a “hypotenuse” alignment between the existing Promenade and the USACE Bulkhead. The project would also backfill the triangle to make it function more like a coastal structure. This would also provide additional land area for future use.



PROJECT NOTES:

Project No.	E16319
A/E Consultant:	RFQ
Contractor:	TBD
Award Design:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			450.0				450,000
Construction				2,500.0			2,500,000
Contingency				250.0			250,000
Inspection/Other			50.0	250.0			300,000
TOTAL:			500.0	3,000.0	-	-	\$ 3,500,000
Source of Funds							
Sales Tax Proceeds			500.0	3,000.0			3,500,000
TOTAL:			500.0	3,000.0	-	-	\$ 3,500,000

OPERATIONAL IMPACT:

There is no operational impact with this project.

DEPARTMENT: **Public Health and Safety**

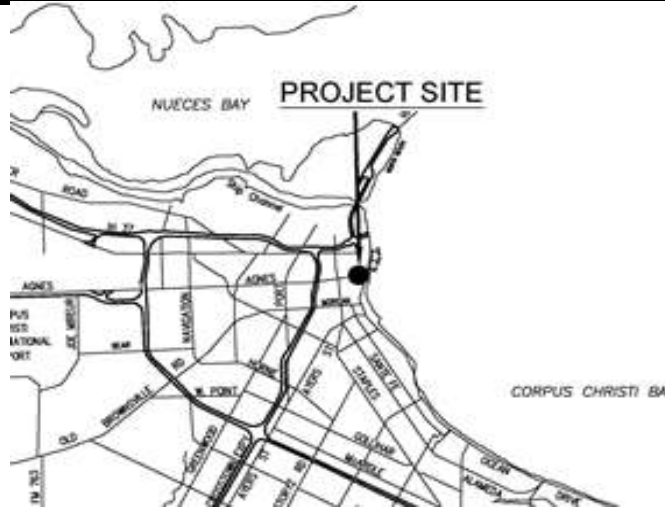
Sequence #24

PROJECT TITLE: Kinney & Power Street Pump Station Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6

DESCRIPTION:

The Power Street Pump Station was originally constructed in 1947 as part of the Bay Front Protection. It has 3 pumps with diesel powered motors. The Kinney Street Pump Station was also constructed in 1947. The pump station was reconstructed in 2009. It has 5 pumps with electric motors that are dependent on the 3 generators inside. One redundant pump is located on site. The downtown flood protection system relies on these two pump stations to remove all water from the area during a significant storm event. Preliminary studies have indicated that the pumping capacity would not be adequate to handle rainfall, inflow and wave overtopping during a 100-year storm event. Planned 2D modelling will help to better define the demands that would be placed on the system during significant storm events. This project would enhance the reliability and capacity of the downtown storm water pumping system.



PROJECT NOTES:

Project No. E16320
 A/E Consultant: RFQ
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

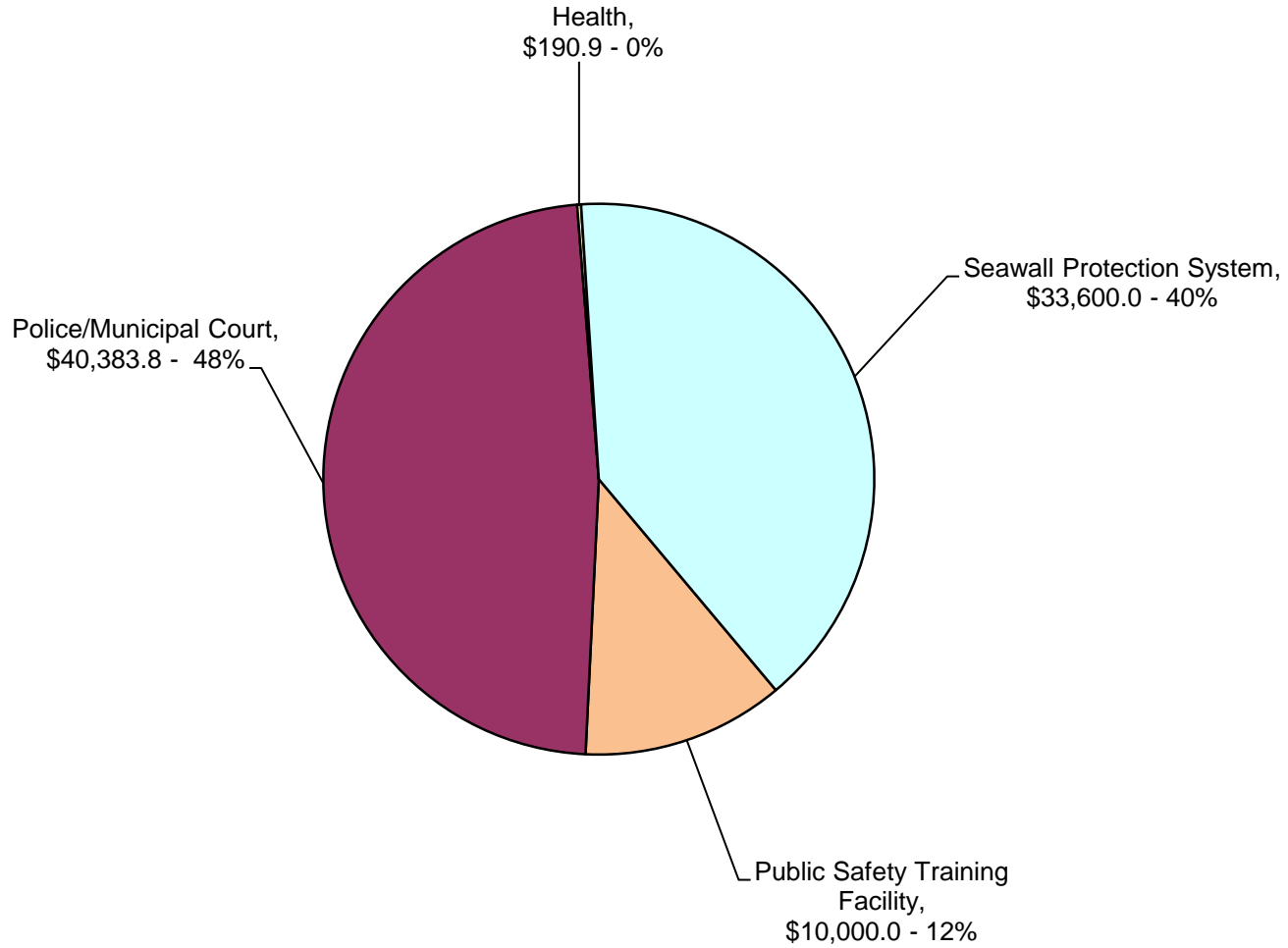
FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			450.0				450,000
Construction				1,675.0	2,500.0		4,175,000
Contingency				165.0	250.0		415,000
Inspection/Other			50.0	160.0	250.0		460,000
TOTAL:			500.0	2,000.0	3,000.0	-	\$ 5,500,000
Source of Funds							
Certificates of Obligation			500.0	2,000.0	3,000.0		5,500,000
TOTAL:			500.0	2,000.0	3,000.0	-	\$ 5,500,000

OPERATIONAL IMPACT:

This project will improve operational efficiencies, save money on electrical costs, and help keep the downtown area from flooding during heavy rain conditions.

**Public Health & Safety
Long-Range CIP: \$84,174.7
(Amounts in 000's)**



TRAINING FACILITY

- 1 Fire/Police Training Facility, Phase 2 \$10,000,000

Phase 2 of a unified training facility for fire and police recruits and in-service training. The facility will maximize training and resources by consolidating classroom space, driver training courses and computer training (mobile data terminal - automated vehicle locator). The Fire Department will centralize their maintenance shop, engine room and pump testing facilities as well as provide classrooms for cadet training and continuing education classes for firefighters to keep up with certification requirements. Offices will be constructed for six trainers.

FIRE

- 2 Vehicle Maintenance & SCBA Repair Facility TBD

A maintenance facility with 5 bays is needed for vehicle repair. The facility will need adequate concrete surfaces to support large fire apparatus. Current facility is outdated and vehicles are too large to fit inside, requiring mechanics to work outside in the elements on larger fire apparatus. Approximately 11,000 square feet is required. The site should also have adequate storage for reserve apparatus.

POLICE/ MUNICIPAL COURT

- 3 Police Headquarters Parking Facility \$1,600,000

Police Department personnel and visitors require approximately 300 parking spaces with only 140 currently available on site. The City leases a lot at the corner of Coopers Alley/Water/Chaparral to cover the deficiency spaces. The lot is prime downtown real estate and is subject to sale. The Education Service Center is looking for partners in the construction of a parking garage on their property located across Chaparral from the Police Building. Estimated construction costs are \$5,000 - \$8,000 per parking space; estimated cost is based on \$8,000 x 200 (providing for future growth) spaces = \$1,600,000.
- 4 New Police Headquarters Located in Central Corpus Christi \$37,500,000

The current Police Department Building does not provide adequate space for all Police operations. The current facility has limited office and parking space. The proposal entails construction of a new building with 150,000 square feet and adequate parking to be located in a central part of the City. Additionally, located on the same acreage will be a Consolidated Response Facility for Public Safety. This building will house all Police and Fire special response vehicles and equipment, for example, Bomb Truck, SWAT Truck, Communications Bus, Riot gear, hazmat gear, etc. The building will be 5,000 square feet for \$500,000.

NOTE: CONSTRUCTION OF NEW POLICE BUILDING WOULD ELIMINATE NEED FOR EXPANSION and POLICE HEADQUARTERS PARKING FACILITY.
- 5 Community Policing Multi-Purpose Facilities (substations) \$1,283,770

Two multi-purpose police facilities (substations) will facilitate implementation of the long-range goal of community policing and decentralization. The facilities are proposed for the Northwest/Calallen and Flour Bluff areas.
- 6 MetroCom / Emergency Operations Center / Fusion Center TBD

The MetroCom and Emergency Operations Center should be relocated further inland for protection during a major storm event. It is estimated that 50,000 square foot would be required to adequately serve this need.

SOLID WASTE

- | | | |
|---|---|-----|
| 7 | <u>Citizens Collection Center</u> | TBD |
| | This project will result in a four new Citizen's Collection Centers across the city for drop-off of solid waste, discarded appliances and furniture, and household hazardous waste. The project requires land acquisition, utility improvements, fencing, paving, waste containers, hazardous waste containment building, attendant building, parking and other improvements. | |
| 8 | <u>Solid Waste Parking Lot Upgrades</u> | TBD |
| | The existing parking lot at Solid Waste needs to be upgraded to demolition of existing area and new parking lot with security fencing, lighting, and protection of CNG pump stations. | |
| 9 | <u>New Solid Waste Administration Building</u> | TBD |
| | New masonry type building to house the Solid Waste Administration Building with offices for staff, training room, and protection area for outdoor equipment. | |

HEALTH

- | | | |
|----|---|-----------|
| 10 | <u>Corpus Christi Animal Shelter and Vector Control Facility - Phase 2</u> | \$190,950 |
| | Additional improvements to the new animal shelter facility including the following: additional 1,640 sq. ft. for 26 small dog kennels, finish out of various rooms (cabinets, tile flooring and other fixtures) and additional fencing and gates. | |

SEAWALL

- | | | |
|----|---|-------------|
| 11 | <u>Recurring Seawall Maintenance</u> | \$3,800,000 |
| | The Corpus Christi Seawall was originally constructed from 1939 to 1942. With the initiation of the Seawall Maintenance sales and use tax, a major project was completed in 2007 to address advanced levels of deterioration of the Seawall system. That project was completed for a cost of \$43.4 million. The funding levels programmed in the CIP are anticipated to address routine maintenance issues. A subsequent major reconstruction is shown to occur after the expiration of the current one-eighth cent sales and use tax. | |

SEAWALL (continued)

- | | | |
|----|---|---------------------|
| 12 | <u>Barge Dock Improvements</u> | <u>\$1,100,000</u> |
| | <p>The Barge Dock (commonly referred to as the Art Museum Barge Dock) is located on N. Shoreline Boulevard at the north end of the Corpus Christi Seawall adjacent to the Art Museum of South Texas. Its proximity to the entrance of the Port of Corpus Christi, the American Bank Center, Selena Auditorium, the Museum of Science and History, and the Art Museum make the Barge Dock an integral part of these facilities. The Barge Dock area consists of a concrete paved area over fill material, contained along the Corpus Christi Bay by a sheet-pile supported structure topped with a concrete pile cap. The elevation at the top of the pile cap is approximately +3.5' (NGVD '29). The barge dock is frequently swamped by high tides limiting its usefulness. A previous concept of this project contemplated raising the structure and enhancing its use. The current program included funds for maintenance activities only.</p> | |
| 13 | <u>United States Army Corps of Engineers Bulkhead Repair</u> | <u>\$10,000,000</u> |
| | <p>This project would include the construction of a new bulkhead along the south shoreline of the Science and History Museum eastward across the USACE property terminating at the northwest corner of the recently constructed bulkhead in front of the South Texas Art Museum. The low lying areas on the USACE property and the PCCA property would be filled to an elevation approximately same as that in front of the Art Museum. Area paving could be constructed between the new bulkhead and existing floodwall.</p> | |
| 14 | <u>Salt Flats Levee Improvements</u> | <u>\$2,000,000</u> |
| | <p>The Salt Flats Levee System (originally referred to as the Backwater Levee) is an integral component of the downtown flood protection system. The levee requires improvements and maintenance to ensure that the system will function as originally designed. The levee is susceptible to various modes of failure. Additional study is underway and improvements are planned that would be sufficient to be certified by FEMA as a freeboard deficient reach. This means that although the system would not afford the level of protection required to be prevent overtopping in a 100-year event, it would not be vulnerable to catastrophic failure.</p> | |
| 15 | <u>New McGee Beach Breakwater</u> | <u>\$5,500,000</u> |
| | <p>Constructing a new offshore breakwater at McGee Beach will increase storm damage reduction benefits for the seawall by reducing waves at the seawall during a hurricane. Additionally, the offshore breakwater would reduce requirements for beach nourishment at the seawall, providing additional storm-damage reduction benefits by improving the likelihood that a wider, more protective beach will be available during any given storm. The project would also remove or modify the five existing groins shown that pose a safety hazard and would not likely be needed if the breakwater is constructed.</p> | |

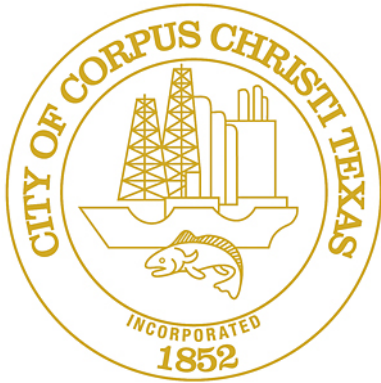
SEAWALL (continued)

16	<u>Sunfish Island and Breakwater</u>	<u>\$5,250,000</u>
	<p>The primary goal of the Sunfish Island and Breakwater project is to restore Sunfish Island and modify the breakwater to improve their combined ability to block waves, thus reducing wave impacts on the seawall. The proposed improvement consists of a 300 ft. "gap closure" breakwater between the two segmented breakwaters to reducing wave height at the seawall during storms. The breakwater closure would most likely be constructed of quarry stone similar to the existing breakwaters. To further block storm waves, Sunfish Island would be increased in size of by placing sandy material dredged from the adjacent bay bottom. To help maintain Sunfish Island, an additional 700 ft. of breakwater would be built to block chronic waves from the south.</p>	
17	<u>Marina Breakwater Improvements</u>	<u>\$3,750,000</u>
	<p>The marina breakwater is approximately 5,800 ft. long consisting of quarry stone. The rock breakwater system provides wave sheltering for the marina and storm damage protection for the seawall. The system is vulnerable to settlement, sea level rise and storm damage. This project will address maintenance needs in the marina breakwater system not addressed in Project #5.</p>	
18	<u>McGee Beach Nourishment / Boat Basin Dredging</u>	<u>\$1,200,000</u>
	<p>The proposed improvement consists of nourishing McGee Beach in order to improve potential storm damage reduction at the seawall. A wider beach will help the seawall survive a storm of longer duration or greater intensity. Sand may be trucked in from upland sources, such as quarries near the Nueces River, or dredged from the marina or bay. This project would address beach renourishment as well as shoaling issues in the marina.</p>	
19	<u>Kinney & Power Street Pump Station Improvements</u>	<u>\$1,000,000</u>
	<p>The Power Street Pump Station was originally constructed in 1947 as part of the Bay Front Protection. It has 3 pumps with diesel powered motors. The Kinney Street Pump Station was also constructed in 1947. The pump station was reconstructed in 2009. It has 5 pumps with electric motors that are dependent on the 3 generators inside. One redundant pump is located on site.</p> <p>The downtown flood protection system relies on these two pump stations to remove all water from the area during a significant storm event. Preliminary studies have indicated that the pumping capacity would not be adequate to handle rainfall, inflow and wave overtopping during a 100-year storm event. Planned 2D modelling will help to better define the demands that would be placed on the system during significant storm events. This project would enhance the reliability and capacity of the downtown storm water pumping system.</p>	
	TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:	<u>\$84,174,720</u>



STREETS

Obligation to the Future



CITY OF CORPUS CHRISTI STREETS PROGRAM

Street quality has an impact on every resident, business and visitor to our City. It affects property values, accessibility to businesses, schools, and residential areas and impacts the quality of life of our citizens. The FY 2016 – 2017 Street Capital Improvement Program contains projects that maintain or improve roadway infrastructure, ensure adequate street lighting, comply with the Americans with Disability Act (ADA) requirements and promotes safe and efficient traffic flow.

The voter approved 2014 Bond election included two street propositions totaling \$99,495,000. Proposition One included \$55 Million of street projects in the greatest need of reconstruction throughout the City while Proposition Two consisted of \$44,495,000 of projects that promoted street safety, revitalization and capacity improvements. Of the sixteen Proposition One projects, currently one is complete, two are under construction, one is on-going and twelve are in advanced design stage for value engineering and development of cycle tracks which place the bike path adjacent to the sidewalk, behind the curb and off the street. All remaining projects should be under construction this coming fiscal year. Of the thirteen Proposition Two projects, two are on-going and all will be under construction this fiscal year with many complete by end of FY '17. Both propositions require utility upgrades to complete the program. These costs are incorporated in the street bid packages and utility costs are included in the street CIP section.

The Fiscal Year 2017 Street Capital Improvement Program focuses heavily on the construction of projects approved in Bond 2012. Proposition One, valued at \$55 Million, provides a large investment in ADA improvements, street reconstruction and new street construction, while Proposition Eight consists of projects which promote economic development for a total of \$8.4 Million. Of these twenty-six projects, two are complete, nine are under construction, four are on-going, nine are in design to award this fiscal year, and two are pending coordination with the new Harbor Bridge.

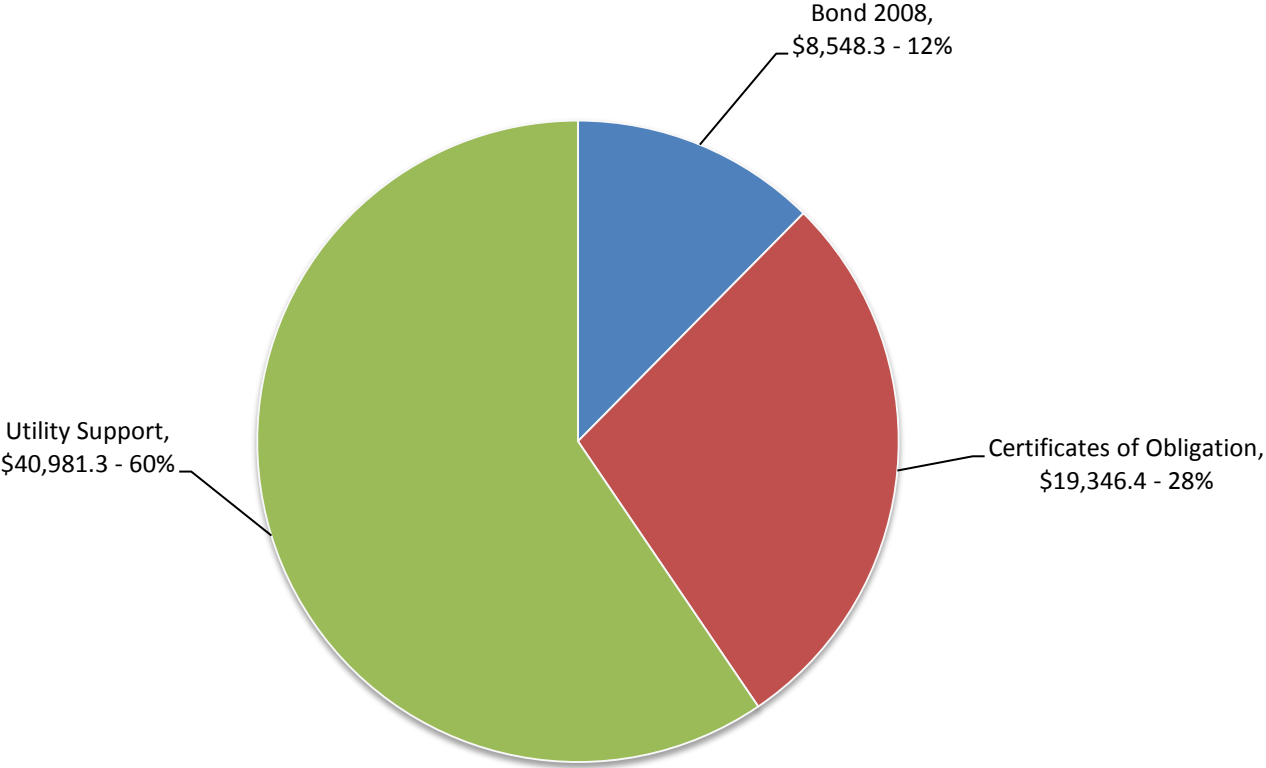
The City of Corpus Christi continues to maximize project funding by actively seeking joint participation with other governmental entities to complete street projects with a maximum benefit for citizens. Significant financial participation has been secured through the Metropolitan Planning Organization (MPO) from Federal Highway Administration and Texas Department of Transportation (TxDOT) funding.

The Street Capital Improvement Program includes the specific financial details of the required utility adjustments to reflect the total project cost and capital value of each project. **Funding for many of the projects currently under design and construction was secured in previous years. Current funding shown is for new money and/or obligations required to complete approved projects.**

A recap of the budgeted expenditures includes:

	YEAR ONE	YEAR TWO	YEAR THREE
	2016 – 2017	2017 – 2018	2018 - 2019
TOTAL PROGRAMMED EXPENDITURES:	\$ 68,876,000	\$ 21,602,300	\$ 0
AVAILABLE FUNDING:			
Bond Issue 2008 Proceeds	\$ 8,548,300	\$ 0	\$ 0
RECOMMENDED ADDITIONAL FUNDING:			
Revenue Bonds	\$ 40,981,300	\$ 15,219,300	\$ 0
Certificates of Obligation	\$ 19,346,400	\$ 6,383,000	\$ 0
TOTAL PROGRAMMED FUNDS:	\$ 68,876,000	\$ 21,602,300	\$ 0

Streets
Annual CIP: \$68,876.0
(Amounts in 000's)



Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
-------	--------------	--------------------------------------	--------------------------------------	-------------------------------	--------------------	--------------------	------------------

STREET BOND 2014 - PROPOSITION #1 AND #8 PROJECTS

ST 01	Alameda Street - Kinney to Lipan Finance and Engineering Number: E13086	375.9	1,263.8	1,312.5		-	1,312.5
ST 02	Gollihar Road - South Staples Street to Weber Road Finance and Engineering Number: E13087	1,320.4	6,826.4	3,838.0	4,196.5		8,034.5
ST 03	Gollihar Road - Weber Road to Carroll Lane Finance and Engineering Number: E13088	1,117.5	3,263.9	2,921.4	117.1		3,038.5
ST 04	Gollihar Road - Carroll Lane to Kostoryz Finance and Engineering Number: E13089	1,132.0	3,249.4	-	3,712.8		3,712.8
ST 05	Morgan Avenue - Ocean Drive to South Staples Street Finance and Engineering Number: E13090	705.1	2,381.4	829.7	1,932.3		2,762.0
ST 06	Corona Drive - Flynn Parkway to Everhart Finance and Engineering Number: E13091	593.8	2,754.9	1,162.9		-	1,162.9
ST 07	Ayers Street - Ocean Drive to Alameda Street Finance and Engineering Number: E13092	1,000.1	3,238.8	3,087.1	123.3	-	3,210.4
ST 08	Yorktown Road - Lake Travis to Everhart Road Finance and Engineering Number: E13093	1,109.5	3,079.2	672.1	465.2		1,137.3

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
ST 09	South Staples Street - Alameda Street to Morgan Avenue Finance and Engineering Number: E13094	662.4	2,615.3	930.5	154.9		1,085.4
ST 10	Southern Minerals Road - Up River Road to IH 37 Finance and Engineering Number: E13095	807.9	1,926.0	796.7	-	-	796.7
ST 11	Yorktown Boulevard - Everhart Road to South Staples Street Finance and Engineering Number: E13096	1,201.4	6,686.3	2,983.9	20.1		3,004.0
ST 12	Carroll Lane - Houston to McArdle Road Finance and Engineering Number: E13097	593.0	2,967.1	2,383.8		-	2,383.8
ST 13	Old Robstown Road, State Highway 44 to Leopard Street Finance and Engineering Number: E13098	722.2	2,532.8	2,421.6		-	2,421.6
ST 14	Ayers Street - Pedestrian Improvements and Turn Lane Addition Finance and Engineering Number: E15106	105.9	1,820.7	5,842.0	2,503.9		8,345.9
ST 15	Chaparral Street Phase 2 Downtown Development Master Plan Finance and Engineering Number: E15107	58.0	4,942.0	2,006.3	133.1		2,139.4
ST 16	Texas Department of Transportation Participation (CITY MATCH TXDOT PROJECTS) Finance and Engineering Number: E15105	358.8	2,275.5	-	-	-	-
ST 17	Traffic Signal and Lighting Improvements - City Wide Finance and Engineering Number: E15113	672.7	4,827.5	-	-	-	-

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
ST 18	Rodd Field Road Expansion - Saratoga to Yorktown Finance and Engineering Number: E15112	1,021.2	8,681.2	1,669.0	1,354.0		3,023.0
ST 19	Downtown Street Traffic Signal and Area Improvements Finance and Engineering Number: E15108	55.8	3,444.2	2,213.4	-		2,213.4
ST 20	Ennis Joslin Extension - Holly to Williams Finance and Engineering Number: E15109	440.2	2,959.8	2,463.4	104.3		2,567.7
ST 21	Flato Road - Agnes to Bates Finance and Engineering Number: E15110	56.3	3,443.7	1,635.2	1,168.0		2,803.2
ST 22	North Padre Island Beach Access Roads (3A and 2) Finance and Engineering Number: E15111	143.6	3,356.4	49.3			49.3
ST 23	Downtown Road and Streetscape Improvements Finance and Engineering Number: E15098	55.6	1,444.4				-
ST 24	Creek View Drive Extension Finance and Engineering Number: E15112	63.3	231.7	9.5			9.5

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
-------	--------------	---	---	-------------------------------------	-----------------------	-----------------------	---------------------

STREET BOND 2012 PROJECTS

ST 25	Navigation Boulevard - Up River Road to Leopard Street Finance and Engineering Number: E12090	1,993.4	11,844.1				-
ST 26	South Alameda Street - Ayers Street to Louisiana Avenue Finance and Engineering Number: E12091	681.4	4,633.7	1,014.6	141.9		1,156.5
ST 27	Greenwood Drive - Gollihar Road to Horne Road Finance and Engineering Number: E12092	591.7	3,291.6	208.0			208.0
ST 28	Ocean Drive - Buford Street to Louisiana Avenue Finance and Engineering Number: E12093	1,227.0	16,321.4	116.0			116.0
ST 29	Tuloso Road - Interstate Highway 37 to Leopard Street Finance and Engineering Number: E12094	623.3	2,875.1	1,463.0			1,463.0
ST 30	South Staples Street - Brawner Parkway to Kostoryz Road Finance and Engineering Number: E12095	918.0	5,742.3	2,894.0	1,903.0		4,797.0
ST 31	South Staples Street - Morgan Avenue to Interstate Highway 37 Finance and Engineering Number: E12096	14,677.4	1,033.5				-
ST 32	Kostoryz Road - Brawner Parkway to Staples Street Finance and Engineering Number: E12099	808.6	3,144.5	4,306.1	1,779.9		6,086.0

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
ST 33	Morgan Avenue - South Staples Street to Crosstown Freeway Finance and Engineering Number: E12101	546.1	3,018.3	1,567.2	920.0		2,487.2
ST 34	Twigg Street - Shoreline Boulevard to Lower Broadway Finance and Engineering Number: E12102	422.7	2,380.5	801.4	197.0		998.4
ST 35	Leopard Street - Crosstown Freeway to Palm Drive Finance and Engineering Number: E12103	670.4	1,431.1	1,244.0	522.0		1,766.0
ST 36	Holly Road - Crosstown Freeway to Greenwood Drive Finance Number: 170371 Engineering Number: 6470	2,313.3	6,627.6	6,508.3	128.0		6,636.3
ST 37	Williams Drive Phase 3 - South Staples to Airline Road Finance and Engineering Number: E11116	10,502.8	446.3	964.4	25.0	-	989.4
ST 38	Yorktown Boulevard - Cimarron to Rodd Field Road Finance and Engineering Number: E10100	6,724.6	2,185.0				-
ST 39	Signal Improvement and Street Lighting Finance and Engineering Number: E12105	565.0	1,406.1				-
ST 40	SeaTown Pedestrian Improvements Finance and Engineering Number: E12134	116.5	523.5				-
ST 41	North Beach Area Road Improvements and Area Beautification Finance and Engineering Number: E12127	193.7	907.3				-

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
ST 42	North Beach Breakwater Plaza, North Shoreline Repair and Enhancement Finance and Engineering Number: E12129	348.5	1,402.1				-
ST 43	Developer Participation Finance and Engineering Number: Various	1,386.9	1,618.8				-
ST 44	International Boulevard Finance and Engineering Number: E12137	228.8	1,972.6				-
STREET BOND2004							
ST 45	Park Road 22 Bridge Finance Number: 170062 Engineering Number: 6281	1,504.0	5,753.9	8,560.7	-	-	8,560.7
	Program Total:	61,416.7	158,771.7	68,876.0	21,602.3	-	90,478.3

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
-------	--------------	--------------------------------------	--------------------------------------	-------------------------------	--------------------	--------------------	------------------

CURRENTLY AVAILABLE FUNDING:

	Bond Issue 2014 Proceeds	3,474.9	78,810.0	-	-	-	-
	Bond Issue 2012 Proceeds	20,867.8	28,999.3	-	-	-	-
	Bond Issue 2008 Proceeds	1,475.1	356.1	8,548.3	-	-	8,548.3
	Bond Issue 2004 Proceeds	2,598.5		-	-	-	-
	Tax Notes	5,956.6	1,161.3	-	-	-	-
	Airport Revenues	13.2	236.8	-	-	-	-
	Texas Department of Transportation	4,306.8	3,954.0	-	-	-	-
	Municipal Information Services (MIS)	-	1.2	-	-	-	-
	Revenue Bond	22,723.8	45,253.0			-	-
	Total Currently Available:	61,416.7	158,771.7	8,548.3	-	-	8,548.3

RECOMMENDED ADDITIONAL FUNDING:

	Revenue Bond	-	-	40,981.30	15,219.3		56,200.60
	Certificates of Obligation	-	-	19,346.40	6,383.0	-	25,729.40
	Total Funding Source:	61,416.7	158,771.7	68,876.0	21,602.3	-	90,478.3

PROJECT TITLE: Alameda Street - Kinney to Lipan

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing 2-lane roadway with new curb and gutter, sidewalks, ADA ramps and pavement markings. Utility improvements include water, wastewater, storm water and gas. The roadway width will remain to allow the existing curbside parallel parking.



PROJECT NOTES:

Project No: E13086
 A/E Consultant: Lockwood, Andrews & Newman
 Contractor: TBD
 Award Design: Jan. 2014
 Award Construction: Nov. 2016
 Anticipated Completion: May 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	236.7	1,263.8					1,500,500
STORM WATER	69.6		276.0				345,600
WASTEWATER	36.2		748.5				784,700
WATER	33.4		288.0				321,400
GAS							
TOTAL:	375.9	1,263.8	1,312.5	-	-	-	\$ 2,952,200
Source of Funds							
Bond Issue 2014	22.3	1,263.8					1,286,100
Tax Notes	214.4						214,400
Revenue Bonds	139.2		1,312.5				1,451,700
TOTAL:	375.9	1,263.8	1,312.5	-	-	-	\$ 2,952,200

OPERATIONAL IMPACT:

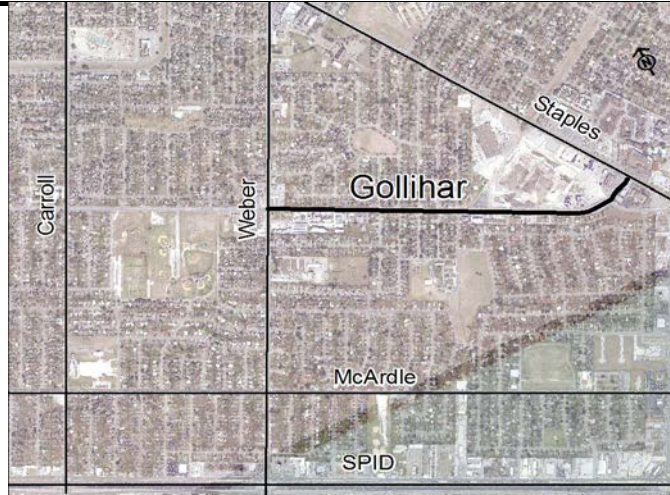
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Gollihar Road - South Staples Street to Weber Road

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing 5-lane roadway with new curb and gutter, sidewalks, ADA ramps and pavement markings. Utility improvements include water, wastewater, storm water and gas. The project includes wide multi-use sidewalks on both sides for pedestrian and bike transit.



PROJECT NOTES:

Project No: E13087
 A/E Consultant: Naismith Engineering
 Contractor: TBD
 Award Design: Jan. 2014
 Award Construction: Dec. 2016
 Anticipated Completion: May 2019

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	673.1	6,826.4					7,499,500
STORM WATER	385.7		2,604.0	3,164.0			6,153,700
WASTEWATER	82.1		300.0	98.5			480,600
WATER	148.7		934.0	934.0			2,016,700
GAS	30.8						30,800
TOTAL:	1,320.4	6,826.4	3,838.0	4,196.5	-	-	\$ 16,181,300
Source of Funds							
Bond Issue 2014		6,415.2					6,415,200
Tax Notes	673.1	411.2					1,084,300
Revenue Bonds	647.3		3,838.0	4,196.5			8,681,800
TOTAL:	1,320.4	6,826.4	3,838.0	4,196.5	-	-	\$ 16,181,300

OPERATIONAL IMPACT:

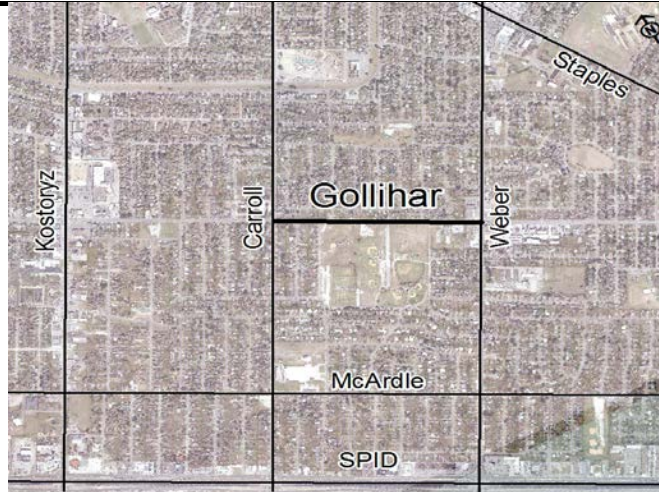
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Gollihar Road - Weber Road to Carroll Lane

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing 5-lane roadway with new curb and gutter, sidewalks, ADA ramps and pavement markings. Utility improvements include water, wastewater, storm water and gas. The project includes wide multi-use sidewalks on both sides for pedestrian and bike transit.



PROJECT NOTES:

Project No:	E13088
A/E Consultant:	LJA. Inc.
Contractor:	TBD
Award Design:	Feb. 2014
Award Construction:	Dec. 2016
Anticipated Completion:	April 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	436.1	3,263.9					3,700,000
STORM WATER	600.4		1,335.0				1,935,400
WASTEWATER	40.5		273.4	117.1			431,000
WATER	32.4		1,313.0				1,345,400
GAS	8.1						8,100
TOTAL:	1,117.5	3,263.9	2,921.4	117.1	-	-	\$ 7,419,900
Source of Funds							
Bond Issue 2014		3,114.1					3,114,100
Tax Notes	436.1	149.8					585,900
Revenue Bonds	681.4		2,921.4	117.1			3,719,900
TOTAL:	1,117.5	3,263.9	2,921.4	117.1	-	-	\$ 7,419,900

OPERATIONAL IMPACT:

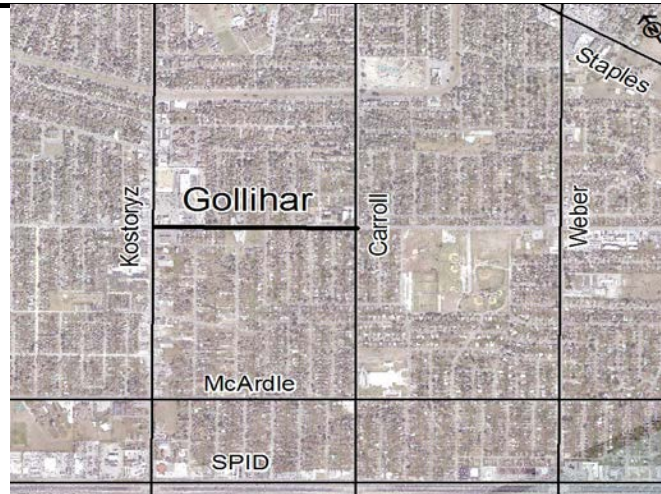
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Gollihar Road - Carroll Lane to Kostoryz Road

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing 5-lane roadway with new curb and gutter, sidewalks, ADA ramps and pavement markings. Utility improvements include water, wastewater, storm water and gas. The project includes wide multi-use sidewalks on both sides for pedestrian and bike transit.



PROJECT NOTES:

Project No:	E13089
A/E Consultant:	LJA, Inc.
Contractor:	TBD
Award Design:	Feb. 2014
Award Construction:	Dec. 2016
Anticipated Completion:	April 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	450.6	3,249.4					3,700,000
STORM WATER	600.4			2,009.3			2,609,700
WASTEWATER	40.5			390.5			431,000
WATER	32.4			1,313.0			1,345,400
GAS	8.1						8,100
TOTAL:	1,132.0	3,249.4	-	3,712.8	-	-	\$ 8,094,200
Source of Funds							
Bond Issue 2014		3,115.5					3,115,500
Tax Notes	450.6	133.9					584,500
Revenue Bonds	681.4		-	3,712.8			4,394,200
TOTAL:	1,132.0	3,249.4	-	3,712.8	-	-	\$ 8,094,200

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Morgan Avenue - Ocean Drive to South Staples Street

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing 4-lane roadway with new curb and gutter, sidewalks, ADA ramps and pavement markings. Utility improvements include water, wastewater, storm water and gas. The project includes wide multi-use sidewalks on both sides for pedestrian and bike transit. The project is being coordinated with the Spohn Hospital construction and the Bond 2012 section of Morgan from Staples to South Padre Island Drive.



PROJECT NOTES:

Project No:	E13090
A/E Consultant:	CRG, Inc.
Contractor:	TBD
Award Design:	Jan. 2014
Award Construction:	June 2017
Anticipated Completion:	Aug. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	418.6	2,381.4					2,800,000
STORM WATER	141.5		685.9	1,573.0			2,400,400
WASTEWATER	73.5		24.3	60.8			158,600
WATER	71.5		119.5	298.5			489,500
GAS							-
TOTAL:	705.1	2,381.4	829.7	1,932.3	-	-	\$ 5,848,500
Source of Funds							
Bond Issue 2014		2,288.2					2,288,200
Tax Notes	418.6	93.2					511,800
Revenue Bonds	286.5		829.7	1,932.3			3,048,500
TOTAL:	705.1	2,381.4	829.7	1,932.3	-	-	\$ 5,848,500

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Corona Drive - Flynn Parkway to Everhart Road

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing roadway with new curb and gutter, sidewalks, ADA ramps and pavement markings. The existing roadway begins at Flynn Parkway as a 2-lane roadway and widens to 5-lanes at the approach to the Everhart/Corona intersection. Improvements include new wide multi-use paths on both sides for pedestrian and bike transit. Utility improvements include water, wastewater, storm water and gas. The project also includes a potential driveway access to the Best Buy to improve traffic safety and relieve traffic congestion along Everhart and SPID.



PROJECT NOTES:

Project No:	E13091
A/E Consultant:	Govind, Inc.
Contractor:	TBD
Award Design:	Jan. 2014
Award Construction:	Nov. 2016
Anticipated Completion:	Dec. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	445.1	2,754.9					3,200,000
STORM WATER	43.7		643.9				687,600
WASTEWATER	54.6						54,600
WATER	50.4		519.0				569,400
GAS							-
TOTAL:	593.8	2,754.9	1,162.9	-	-	-	\$ 4,511,600
Source of Funds							
Bond Issue 2014	290.1	2,594.7					2,884,800
Tax Notes	155.0	160.2					315,200
Revenue Bonds	148.7		1,162.9	-			1,311,600
TOTAL:	593.8	2,754.9	1,162.9	-	-	-	\$ 4,511,600

OPERATIONAL IMPACT:

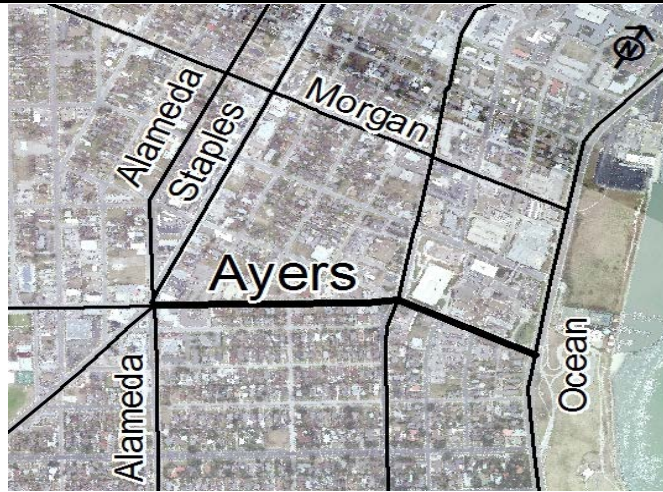
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Ayers Street - Ocean Drive to Alameda Street

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction and narrowing (road diet) of the existing 4-lane roadway to a 3-lane roadway with continuous center turn lane. Improvements include new curb and gutter, sidewalks, ADA ramps, signage and pavement markings. Utility improvements include water, wastewater, storm water and gas. The project also includes reconfiguration of the Ayers/Booty intersection that converts Booty to one-way from Ayers to Fifth Avenue. This roadway re-designation and intersection reconfiguration are proposed to improve traffic flow and safety by replacing on-street head-in parking on Ayers with diagonal parking on Booty.



PROJECT NOTES:

Project No: E13092
 A/E Consultant: Freese & Nichols, Inc.
 Contractor: TBD
 Award Design: Feb. 2014
 Award Construction: Nov. 2016
 Anticipated Completion: Nov. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	661.2	3,238.8					3,900,000
STORM WATER	163.4		1,690.6				1,854,000
WASTEWATER	97.1		616.5	123.3			836,900
WATER	78.4		780.0				858,400
GAS							-
TOTAL:	1,000.1	3,238.8	3,087.1	123.3	-	-	\$ 7,449,300
Source of Funds							
Bond Issue 2014	49.8	3,227.9					3,277,700
Tax Notes	611.4	10.9					622,300
Revenue Bonds	338.9		3,087.1	123.3			3,549,300
TOTAL:	1,000.1	3,238.8	3,087.1	123.3	-	-	\$ 7,449,300

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Yorktown Boulevard - Lake Travis to Everhart Road

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth rehabilitation of the existing 4-lane roadway with raised median. Improvements include partial replacement of curb and gutter, sidewalks, ADA ramps and pavement markings. Utility improvements include water, wastewater, storm water and gas. Additional improvements include street lighting along the roadway.



PROJECT NOTES:

Project No:	E13093
A/E Consultant:	LNV, Inc.
Contractor:	TBD
Award Design:	Jan. 2014
Award Construction:	Jan. 2017
Anticipated Completion:	Mar. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	620.7	3,079.2	397.0				4,096,900
STORM WATER	251.5		250.1	375.2			876,800
WASTEWATER	129.8		25.0	48.0			202,800
WATER	107.5			42.0			149,500
GAS							-
TOTAL:	1,109.5	3,079.2	672.1	465.2	-	-	\$ 5,326,000
Source of Funds							
Certificates of Obligation			397.0				397,000
Bond Issue 2014		3,076.2					3,076,200
Tax Notes	620.7	3.0					623,700
Revenue Bonds	488.8		275.1	465.2			1,229,100
TOTAL:	1,109.5	3,079.2	672.1	465.2	-	-	\$ 5,326,000

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: South Staples Street - Alameda Street to Morgan Avenue

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing 4-lane roadway with new curb and gutter, sidewalks, ADA ramps and pavement markings. Utility improvements include water, wastewater, storm water and gas.



PROJECT NOTES:

Project No:	E13094
A/E Consultant:	HDR, Inc.
Contractor:	TBD
Award Design:	Jan. 2014
Award Construction:	Nov. 2016
Anticipated Completion:	Feb. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	440.6	2,459.4					2,900,000
STORM WATER	149.9		403.0	67.2			620,100
WASTEWATER		155.9	213.7	35.6			405,200
WATER	71.9		313.8	52.1			437,800
GAS							-
TOTAL:	662.4	2,615.3	930.5	154.9	-	-	\$ 4,363,100
Source of Funds							
Certificates of Obligation			-				-
Bond Issue 2014	0.6	2,458.9					2,459,500
Tax Notes	440.0	0.5					440,500
Revenue Bonds	221.8	155.9	930.5	154.9			1,463,100
TOTAL:	662.4	2,615.3	930.5	154.9	-	-	\$ 4,363,100

OPERATIONAL IMPACT:

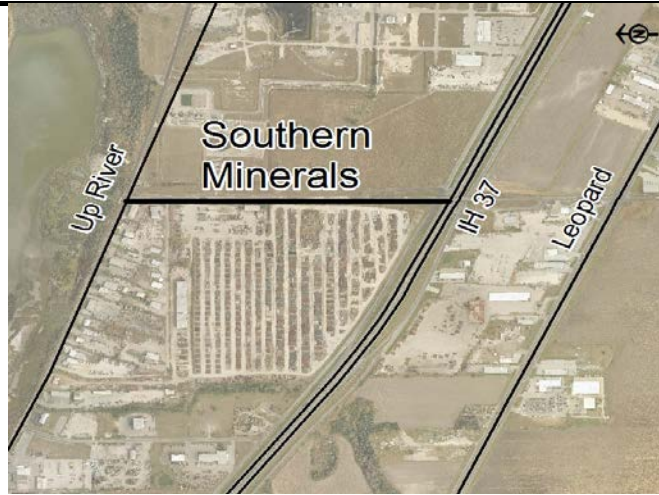
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Southern Minerals Road - Up River Road to IH 37

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction and widening of the existing 2-lane roadway with new shoulders and pavement markings. Utility improvements include water, wastewater, storm water and gas. The project includes new designated left-hand turn lane at the Southern Minerals/Up River intersection.



PROJECT NOTES:

Project No: E13095
 A/E Consultant: LNV, Inc.
 Contractor: Haas Anderson, Inc.
 Award Design: Feb. 2014
 Award Construction: Nov. 2015
 Anticipated Completion: June 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	520.5	1,924.5					2,445,000
STORM WATER	151.1		266.0				417,100
WASTEWATER	71.0						71,000
WATER	65.3		530.7				596,000
GAS		1.5					1,500
TOTAL:	807.9	1,926.0	796.7	-	-	-	\$ 3,530,600
Source of Funds							
Bond Issue 2014	81.0	1,923.5					2,004,500
Tax Notes	439.5	1.0					440,500
Revenue Bonds	287.4	1.5	796.7				1,085,600
TOTAL:	807.9	1,926.0	796.7	-	-	-	\$ 3,530,600

OPERATIONAL IMPACT:

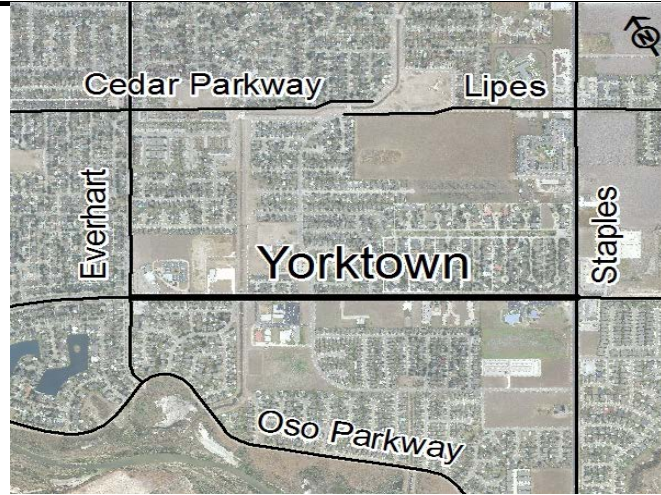
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Yorktown Boulevard - Everhart Road to South Staples Street

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing 4-lane roadway with raised median and bike lanes that continues on Yorktown from Rodd Field to Everhart. Improvements include replacement of curb and gutter, sidewalks, ADA ramps and pavement markings. Utility improvements include water, wastewater, storm water and gas. The project also includes a signalized at the Yorktown/Everhart intersection with new traffic signal heads, poles, mast arms, controller, etc. to replace the existing 4-way stop. Additional improvements include street lighting along the roadway.



PROJECT NOTES:

Project No: E13096
 A/E Consultant: Freese & Nichols
 Contractor: TBD
 Award Design: Feb. 2014
 Award Construction: Oct. 2016
 Anticipated Completion: Feb. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	813.7	6,686.3	163.0				7,663,000
STORM WATER	186.8		1,793.6				1,980,400
WASTEWATER	111.2		80.3	20.1			211,600
WATER	89.7		947.0				1,036,700
GAS							-
TOTAL:	1,201.4	6,686.3	2,983.9	20.1	-	-	\$ 10,891,700
Source of Funds							
Certificates of Obligation			163.0				163,000
Bond Issue 2014	0.7	6,535.2					6,535,900
Tax Notes	813.0	151.1					964,100
Revenue Bonds	387.7		2,820.9	20.1			3,228,700
TOTAL:	1,201.4	6,686.3	2,983.9	20.1	-	-	\$ 10,891,700

OPERATIONAL IMPACT:

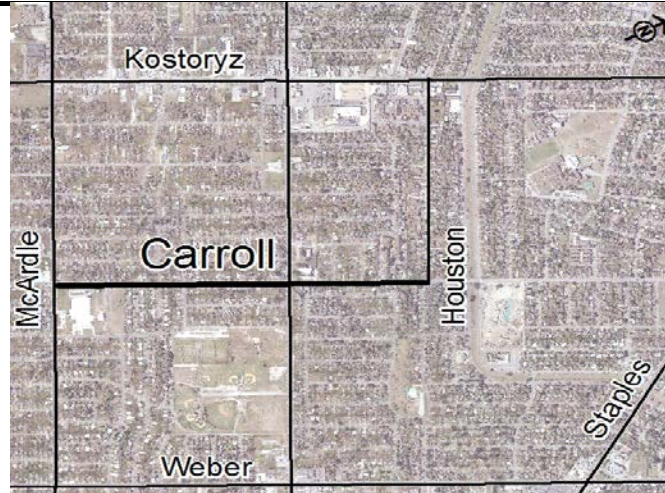
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Carroll Lane - McArdle Road to Houston Street

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing 2-lane roadway with new curb and gutter, sidewalks, ADA ramps and pavement markings. Utility improvements include water, wastewater, storm water and gas. The project includes wide multi-use sidewalks on both sides for pedestrian and bike transit and also restores curbside parallel parking on one side of the street.



PROJECT NOTES:

Project No: E13097
 A/E Consultant: Martinez, Guy & Maybik, Inc.
 Contractor: TBD
 Award Design: Jan. 2014
 Award Construction: Jan. 2016
 Anticipated Completion: Jan. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	316.2	2,883.8	6.0				3,206,000
STORM WATER	142.5	20.0	1,463.0				1,625,500
WASTEWATER	71.9	63.3	317.8				453,000
WATER	62.4		597.0				659,400
GAS							-
TOTAL:	593.0	2,967.1	2,383.8	-	-	-	\$ 5,943,900
Source of Funds							
Certificates of Obligation			6.0				6,000
Bond Issue 2014	16.7	2,842.8					2,859,500
Tax Notes	299.5	41.0					340,500
Revenue Bonds	276.8	83.3	2,377.8				2,737,900
TOTAL:	593.0	2,967.1	2,383.8	-	-	-	\$ 5,943,900

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Old Robstown Road - State Highway 44 to Leopard Street

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing 2-lane roadway to a 3-lane roadway with continuous center turn lane. Improvements include new curb and gutter, sidewalks, ADA ramps and pavement markings. Utility improvements include water, wastewater, storm water and gas. The project includes sidewalks on both sides of the road with a dual direction cycle track on one-side of the road.



PROJECT NOTES:

Project No:	E13098
A/E Consultant:	CH2MHill
Contractor:	TBD
Award Design:	April 2014
Award Construction:	Dec. 2016
Anticipated Completion:	April 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	467.2	2,532.8	1,367.0				4,367,000
STORM WATER	127.5		372.5				500,000
WASTEWATER	66.3		631.1				697,400
WATER	61.2		51.0				112,200
GAS							-
TOTAL:	722.2	2,532.8	2,421.6	-	-	-	\$ 5,676,600
Source of Funds							
Certificates of Obligation			1,367.0				1,367,000
Bond Issue 2014	84.3	2,527.3					2,611,600
Tax Notes	382.9	5.5					388,400
Revenue Bonds	255.0		1,054.6				1,309,600
TOTAL:	722.2	2,532.8	2,421.6	-	-	-	\$ 5,676,600

OPERATIONAL IMPACT:

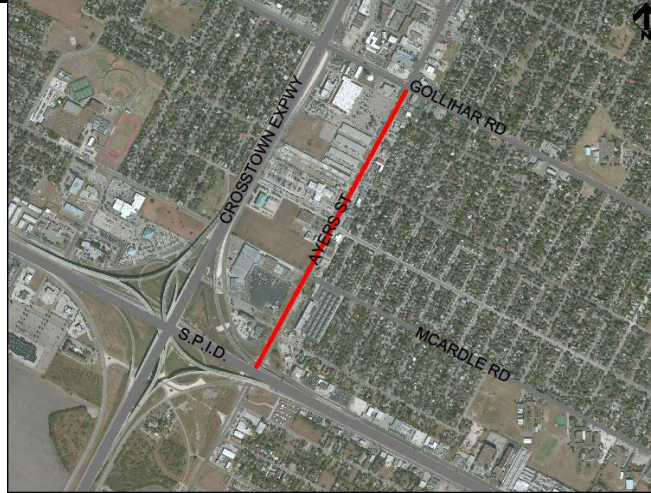
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Ayers Street - Pedestrian Improvements and Turn Lane Addition

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project addresses pedestrian and vehicular safety along the Ayers Corridor from SPID to Gollihar Road. Roadway improvements include new center turn lane with designated left hand turn lanes at the intersections of Ayers Street & Mansheim Blvd. and Ayers Street & Sunnybrook Road. Pedestrian improvements include signalized crosswalks, new sidewalks, curb & gutter, ADA ramps. Through the Interlocal Agreement with the RTA, pedestrian improvements will be extended from Gollihar Rod to the bus transfer station at the intersection of Ayers Street & Port Avenue.



PROJECT NOTES:

Project No:	E15106
A/E Consultant:	LAN, Inc.
Contractor:	TBD
Award Design:	June 2015
Award Construction:	March 2017
Anticipated Completion:	Feb. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	105.9	1,820.7	2,466.1	1,057.0			5,449,700
STORM WATER			1,125.3	482.3			1,607,600
WASTEWATER			1,125.3	482.3			1,607,600
WATER			1,125.3	482.3			1,607,600
GAS							-
TOTAL:	105.9	1,820.7	5,842.0	2,503.9	-	-	\$ 10,272,500
Source of Funds							
Certificates of Obligation			2,466.1	1,057.0			3,523,100
Bond Issue 2014	105.9	1,820.7					1,926,600
Tax Notes							-
Revenue Bonds			3,375.9	1,446.9			4,822,800
TOTAL:	105.9	1,820.7	5,842.0	2,503.9	-	-	\$ 10,272,500

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Chaparral Street Phase 2 - Downtown Development Master Plan

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project will continue the Chaparral Street improvements from Schatzel Street to Taylor Street with minor modifications to improve on concepts from Phase 1. Improvements include new curbs, widened sidewalks, including but not limited to, textured concrete and/or pavers, street pavement, landscaping, irrigation, landscape lighting and other amenities as available and funding allows. Improvements will be coordinated with Phase 1 of this project completed under Bond 2008.



PROJECT NOTES:

Project No:	E15107
A/E Consultant:	HDR, Inc.
Contractor:	TBD
Award Design:	June 2015
Award Construction:	Jan. 2017
Anticipated Completion:	Jan. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	58.0	4,942.0					5,000,000
STORM WATER			1,022.3	92.9			1,115,200
WASTEWATER			541.8				541,800
WATER			442.2	40.2			482,400
GAS							-
TOTAL:	58.0	4,942.0	2,006.3	133.1	-	-	\$ 7,139,400
Source of Funds							
Bond Issue 2014	58.0	4,942.0					5,000,000
Tax Notes							-
Revenue Bonds			2,006.3	133.1			2,139,400
TOTAL:	58.0	4,942.0	2,006.3	133.1	-	-	\$ 7,139,400

OPERATIONAL IMPACT:

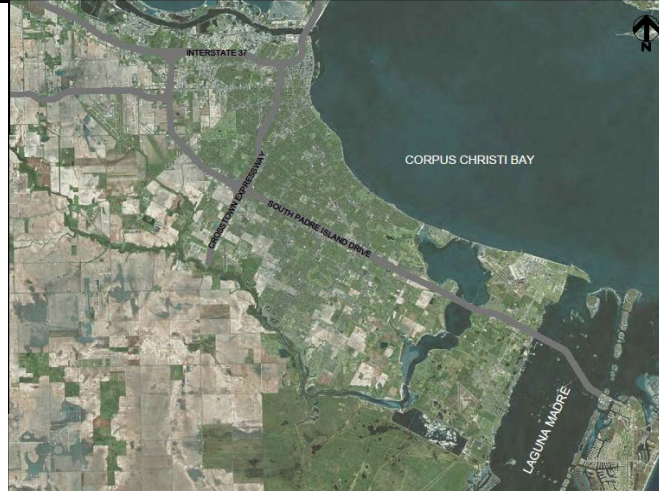
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Texas Department of Transportation Participation - CITY MATCH

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project provides for the City's local match on Joint City/TxDOT/MPO projects to leverage other agency funds. Current projects include the new signalized intersection at Park Rd 22 and Aquarius/Packery Point, MPO Regional Parkway Study, North Padre Island Access Management Study, Highway Safety Improvement Program (HSIP) and other prioritized projects. The HSIP project is joint TxDOT/City project with 90/10 respective construction cost share that is currently targeting 11 corridors with approximately 47 signalized intersections. Final HSIP signal count pending design, budget and coordination with TxDOT.



PROJECT NOTES:

Project No:	E15105
A/E Consultant:	N/A
Contractor:	N/A
Award Design:	On-Going
Award Construction:	On-Going
Anticipated Completion:	On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	358.8	2,275.5					2,634,300
STORM WATER							-
WASTEWATER							-
WATER							-
GAS							-
TOTAL:	358.8	2,275.5	-	-	-	-	\$ 2,634,300
Source of Funds							
Bond Issue 2014	358.8	2,275.5					2,634,300
Tax Notes							-
Revenue Bonds							-
TOTAL:	358.8	2,275.5	-	-	-	-	\$ 2,634,300

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Traffic Signals and Lighting Improvements - City Wide

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes various signal and lighting upgrades to improve traffic safety with increased capacity and reduced congestion. Improvements include signalization and upgrades to prioritized and warranted intersections to provide new poles, mast arms, advanced signal heads, controllers, etc. with ADA provisions. Proposed signal and intersection improvements include Ennis Joslin Corridor upgrades with new signals at Ennis Joslin/McArdle, McArdle/Nile, new signal at Flour Bluff/Purdue, Park Road 22 / Commodores intersection improvements, Ocean Drive Corridor upgrades and other prioritized locations.



PROJECT NOTES:

Project No:	E15113
A/E Consultant:	MBITS
Contractor:	Various
Award Design:	May 2015
Award Construction:	On-Going
Anticipated Completion:	On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	672.7	4,827.5					5,500,200
STORM WATER							-
WASTEWATER							-
WATER							-
GAS							-
TOTAL:	672.7	4,827.5	-	-	-	-	\$ 5,500,200
Source of Funds							
Bond Issue 2014	672.7	4,827.5					5,500,200
Tax Notes							-
Revenue Bonds							-
TOTAL:	672.7	4,827.5	-	-	-	-	\$ 5,500,200

OPERATIONAL IMPACT:

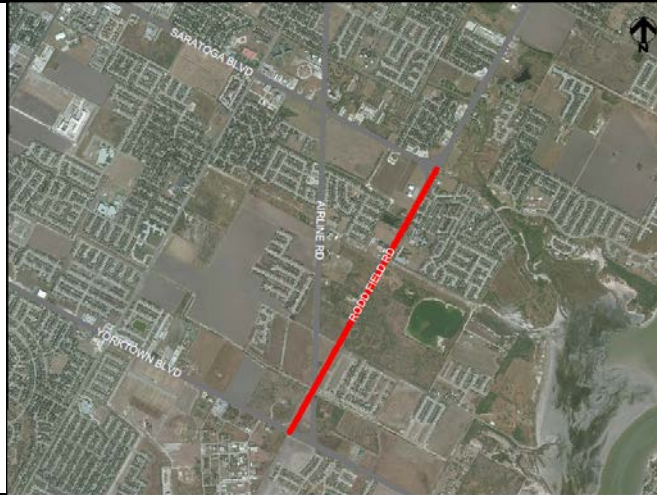
There is no direct operational budget impact, but this project will improve safety conditions and provide a safer driving experience.

PROJECT TITLE: Rodd Field Road Expansion - Saratoga to Yorktown

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction and widening of the existing 2-lane roadway to a 4-lane roadway with 30' raised median. Improvements include new curb and gutter, sidewalks, ADA ramps, signage and pavement markings. Utility improvements include water, wastewater, storm water and gas. The project also includes wide multi-use sidewalks on both sides for pedestrian and bike transit. If sufficient funds are available, the project will include the reconfiguration of the Rodd Field/Yorktown Intersection as a "T" to replace the "Y" configuration.



PROJECT NOTES:

Project No: E15112
 A/E Consultant: LJA, Inc.
 Contractor: TBD
 Award Design: May 2015
 Award Construction: Jan. 2017
 Anticipated Completion: Aug. 2019

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	919.2	8,680.8	893.0	892.0			11,385,000
STORM WATER							-
WASTEWATER	23.0						23,000
WATER	56.4		776.0	462.0			1,294,400
GAS	22.6	0.4					23,000
TOTAL:	1,021.2	8,681.2	1,669.0	1,354.0	-	-	\$ 12,725,400
Source of Funds							
Certificates of Obligation			893.0	892.0			1,785,000
Bond Issue 2014	919.2	8,680.8					9,600,000
Tax Notes							-
Revenue Bonds	102.0	0.4	776.0	462.0			1,340,400
TOTAL:	1,021.2	8,681.2	1,669.0	1,354.0	-	-	\$ 12,725,400

OPERATIONAL IMPACT:

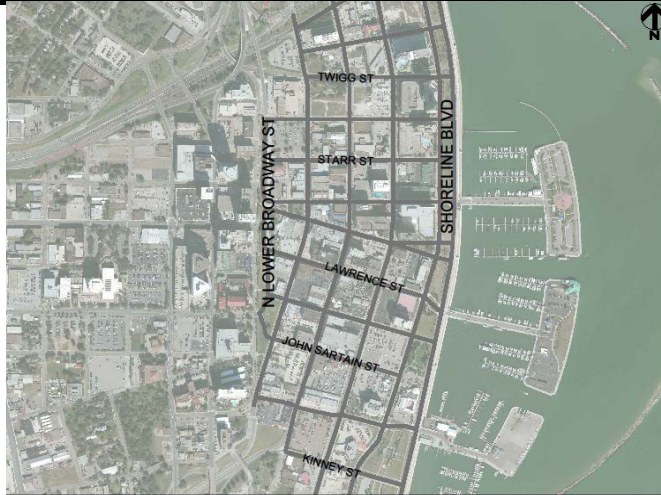
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Downtown Street Traffic Signal and Area Improvements

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project replaces existing outdated traffic signals on Water Street from approximately IH-37 to Coopers Alley with new poles, mast arms, signal heads, controllers etc. The new mast arm and poles will comply with the architectural design standards in the Central Business District Area Development Plan. The project also completes the traffic analysis and warrant studies for the existing intersections and signals.



PROJECT NOTES:

Project No: E15108
 A/E Consultant: Freese Nichols, Inc.
 Contractor: TBD
 Award Design: June 2015
 Award Construction: Dec. 2016
 Anticipated Completion: July 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	55.8	3,444.2	488.6				3,988,600
STORM WATER			862.5				862,500
WASTEWATER			431.3				431,300
WATER			431.0				431,000
GAS							-
TOTAL:	55.8	3,444.2	2,213.4	-	-	-	\$ 5,713,400
Source of Funds							
Certificates of Obligation			488.6				488,600
Bond Issue 2014	55.8	3,444.2					3,500,000
Tax Notes							-
Revenue Bonds			1,724.8				1,724,800
TOTAL:	55.8	3,444.2	2,213.4	-	-	-	\$ 5,713,400

OPERATIONAL IMPACT:

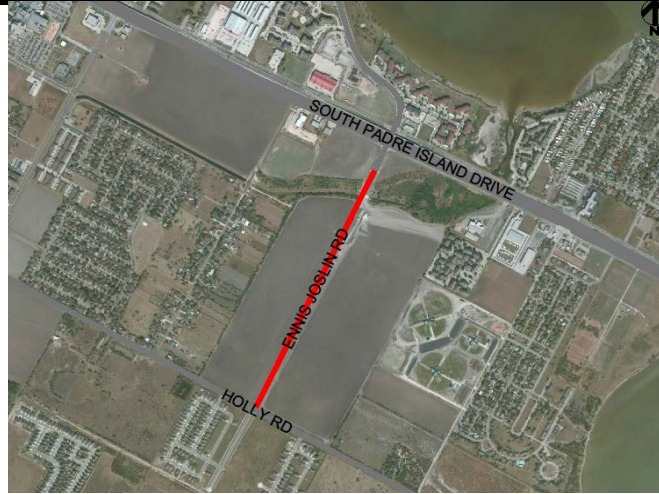
There is no direct operational budget impact, but this project will improve safety conditions and provide a safer driving experience.

PROJECT TITLE: Ennis Joslin Extension - Holly Road to Williams Drive

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project provides the extension to connect Ennis Joslin with a new 4-lane roadway, curb and gutter, sidewalks, ADA ramps and pavement markings. Utility improvements include water, wastewater, and storm water. This project also includes wide multi-use sidewalks on both sides for pedestrian and bike transit.



PROJECT NOTES:

Project No: E15109
 A/E Consultant: Urban Engineering
 Contractor: TBD
 Award Design: June 2015
 Award Construction: Oct. 2016
 Anticipated Completion: July 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	440.2	2,959.8					3,400,000
STORM WATER			1,885.5				1,885,500
WASTEWATER			312.9	104.3			417,200
WATER			265.0				265,000
GAS							-
TOTAL:	440.2	2,959.8	2,463.4	104.3	-	-	\$ 5,967,700
Source of Funds							
Bond Issue 2014	440.2	2,959.8					3,400,000
Revenue Bonds			2,463.4	104.3			2,567,700
TOTAL:	440.2	2,959.8	2,463.4	104.3	-	-	\$ 5,967,700

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Flato Road - Agnes to Bates

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing 2-lane rural roadway with roadside ditches. Utility improvements include water, wastewater, and storm water.



PROJECT NOTES:

Project No:	E15110
A/E Consultant:	CH2MHill
Contractor:	TBD
Award Design:	June 2015
Award Construction:	Feb. 2017
Anticipated Completion:	Aug. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	56.3	3,443.7					3,500,000
STORM WATER			817.6	584.0			1,401,600
WASTEWATER			408.8	292.0			700,800
WATER			408.8	292.0			700,800
GAS							-
TOTAL:	56.3	3,443.7	1,635.2	1,168.0	-	-	\$ 6,303,200
Source of Funds							
Bond Issue 2014	56.3	3,443.7					3,500,000
Revenue Bonds			1,635.2	1,168.0			2,803,200
TOTAL:	56.3	3,443.7	1,635.2	1,168.0	-	-	\$ 6,303,200

OPERATIONAL IMPACT:

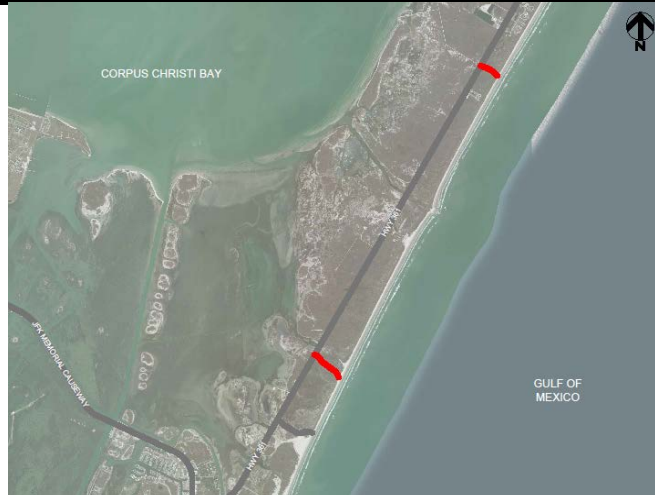
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: North Padre Island Beach Access Roads (3A and 2)

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes reconstruction of beach access roads on North Padre Island, including Beach Access Road 3A and 2. The proposed improvements will include reinforced concrete pavement structure, grading for surface drainage, slope and soil stabilization pavement markings and signage.



PROJECT NOTES:

Project No: E15111
 A/E Consultant: Govind, Inc.
 Contractor: TBD
 Award Design: June 2015
 Award Construction: Dec. 2016
 Anticipated Completion: July 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	143.6	3,356.4					3,500,000
STORM WATER			49.3				49,300
WASTEWATER							-
WATER							-
GAS							-
TOTAL:	143.6	3,356.4	49.3	-	-	-	\$ 3,549,300
Source of Funds							
Bond Issue 2014	143.6	3,356.4					3,500,000
Tax Notes							-
Revenue Bonds			49.3	-			49,300
TOTAL:	143.6	3,356.4	49.3	-	-	-	\$ 3,549,300

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Downtown Road and Streetscape Improvements

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes improvements to the downtown streetscapes such as new trash cans and improvements to the identified gateways such as Laredo/Agnes and Mesquite at I37. The gateway areas should create a sense of arrival into the Marina Arts District and promote their branding. Other streetscape improvements may include planters with landscaping, decorative medallions on existing street light poles, repairs to the Coppini Water Fountain at Lower Broadway, and decorative cross walks applied to the roadway surface. The improvements will be spread over the downtown district identified as the area between I-37 and Cooper's Alley and Lower Broadway and Shoreline Drive, with Water Street receiving additional focus of these elements.



PROJECT NOTES:

Project No: E15098
 A/E Consultant: Freese Nichols, Inc.
 Contractor: TBD
 Award Design: June 2015
 Award Construction: Dec. 2016
 Anticipated Completion: July 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	55.6	1,444.4					1,500,000
STORM WATER							-
WASTEWATER							-
WATER							-
GAS							-
TOTAL:	55.6	1,444.4	-	-	-	-	\$ 1,500,000
Source of Funds							
Bond Issue 2014	55.6	1,444.4					1,500,000
Tax Notes							-
Revenue Bonds							-
TOTAL:	55.6	1,444.4	-	-	-	-	\$ 1,500,000

OPERATIONAL IMPACT:

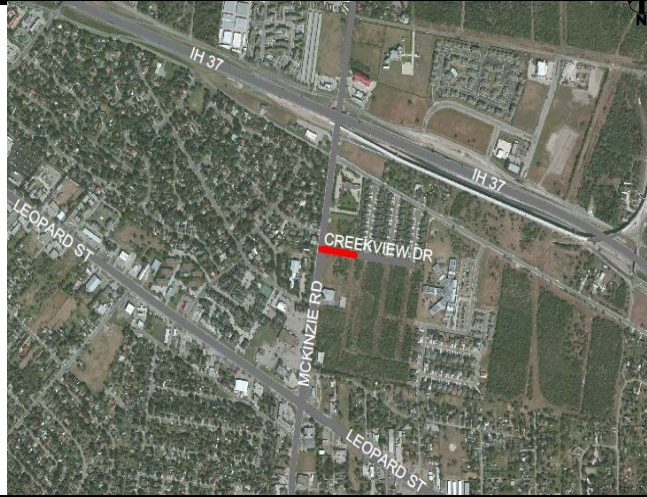
There is no direct operational budget impact, but this project will improve the road to accommodate heavier traffic flows and provide a safer driving experience

PROJECT TITLE: Creek View Drive Extension

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project provides the extension to connect the existing Creek View in the Maple Hills subdivision to McKinzie Road with a new 2-lane roadway, curb and gutter, sidewalks, and ADA ramps. Utilities include Water Gas and Storm Water.



PROJECT NOTES:

Project No: E15122
 A/E Consultant: MEI Maverick
 Contractor: TBD
 Award Design: Aug. 2015
 Award Construction: Dec. 2016
 Anticipated Completion: May 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	63.3	231.7					295,000
STORM WATER			9.5				9,500
WASTEWATER							-
WATER							-
GAS							-
TOTAL:	63.3	231.7	9.5	-	-	-	\$ 304,500
Source of Funds							
Bond Issue 2014	63.3	231.7					295,000
Revenue Bonds			9.5				9,500
TOTAL:	63.3	231.7	9.5	-	-	-	\$ 304,500

OPERATIONAL IMPACT:

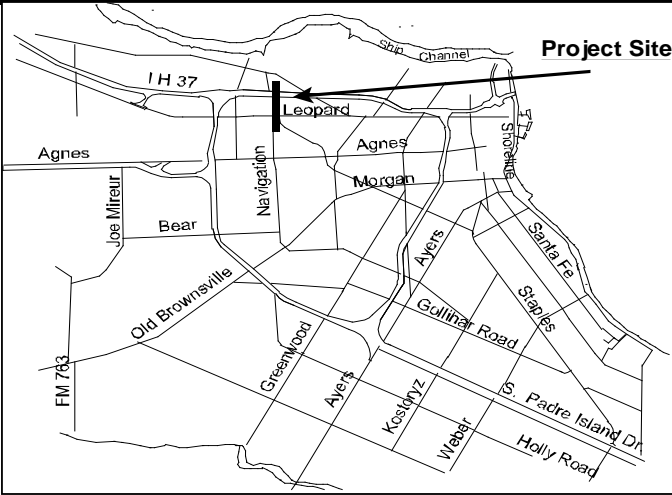
There is no direct operational budget impact, but this project will improve the road to accommodate heavier traffic flows and provide a safer driving experience

PROJECT TITLE: Navigation Boulevard - Up River Road to Leopard Street

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full-depth repair and capacity expansion of the existing four lane roadway to a five lane road with four travel lanes and a continuous center left turn lane. Improvements include curb and gutter, sidewalks, ADA curb ramps, pavement markings and underground City utilities (Storm Water, Water, Wastewater and Gas) as necessary. This project was rebid to reduce cost and risk associated with potential damage to existing underground private gas pipelines.



PROJECT NOTES:	
Project No:	E12090
A/E Consultant:	LVN, Inc.
Contractor:	Clark
Award Design:	Jan 2013
Award Construction:	April 2016
Anticipated Completion:	June 2017

FUNDING SCHEDULE (Amount in 000's)

	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	1,353.4	5,273.8					6,627,200
STORM WATER	385.5	4,192.7					4,578,200
WASTEWATER	131.5	1,052.7					1,184,200
WATER	95.9	1,113.0					1,208,900
GAS	27.1	211.9					239,000
TOTAL:	1,993.4	11,844.1	-	-	-	-	\$ 13,837,500
Source of Funds							
Bond Issue 2012	1,353.4	5,273.8					6,627,200
Revenue Bonds	640.0	6,570.3					7,210,300
							-
TOTAL:	1,993.4	11,844.1	-	-	-	-	\$ 13,837,500

OPERATIONAL IMPACT:

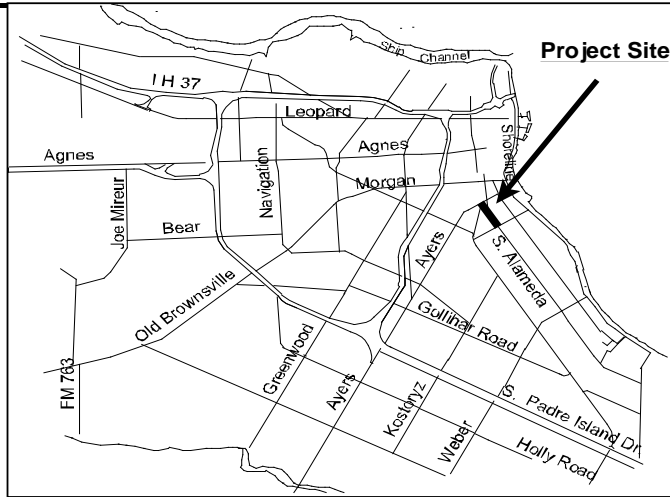
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: South Alameda Street - Ayers Street to Louisiana Avenue

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project consists of full-depth repair and reconstruction of the existing roadway from Ayers to Louisiana. The commercial section of the road, Ayers to Clifford, will remain four lanes with a median and the Clifford to Louisiana residential section will be reduced to a three lane section with a continuous left turn lane. Off-street combination 10 foot bike and pedestrian paths are included on both sides of the road. Other improvements include ADA ramps, curb and gutter, bus stop rehabilitation and pavement markings and underground City utilities (Storm Water, Water, Wastewater and Gas) as necessary.



PROJECT NOTES:	
Project No:	E12091
A/E Consultant:	HDR Eng.
Contractor:	TBD
Award Design:	Jan 2013
Award Construction:	Dec 2016
Anticipated Completion:	March 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	354.8	1,941.8	581.9	110.0			2,988,500
STORM WATER	192.2	1,437.8					1,630,000
WASTEWATER	75.1	435.1	382.7	31.9			924,800
WATER	45.2	744.1	50.0				839,300
GAS	14.1	74.9					89,000
TOTAL:	681.4	4,633.7	1,014.6	141.9	-	-	\$ 6,471,600
Source of Funds							
Bond Issue 2012	354.8	1,941.8					2,296,600
Revenue Bonds	326.6	2,691.9	432.7	31.9			3,483,100
Certifications of Obligation			581.9	110.0			691,900
TOTAL:	681.4	4,633.7	1,014.6	141.9	-	-	\$ 6,471,600

OPERATIONAL IMPACT:

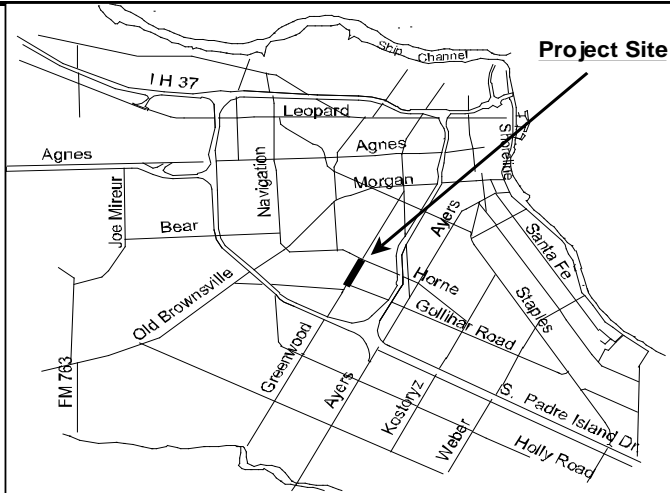
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Greenwood Drive - Gollihar Road to Horne Road

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

The Project includes full-depth reconstruction of the existing five lane roadway with new curb and gutter, sidewalks, ADA curb ramps, bus stop rehabilitation, and pavement markings. Additional improvements include underground City utilities (Storm Water, Water, Wastewater and Gas) as necessary. A separate Hike & Bike Trail project has been developed with the Texas Department of Transportation and Metropolitan Planning Organization for parallel pedestrian / bike travel through Dr. Hector P. Garcia Park.



PROJECT NOTES:

Project No: E12092
 A/E Consultant: Govind Development
 Contractor: TBD
 Award Design: Jan 2013
 Award Construction: June 2016
 Anticipated Completion: July 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	255.9	1,840.7					2,096,600
STORM WATER	222.2	799.8					1,022,000
WASTEWATER	58.7	245.8					304,500
WATER	50.8	332.4	208.0				591,200
GAS	4.1	72.9					77,000
TOTAL:	591.7	3,291.6	208.0	-	-	-	\$ 4,091,300
Source of Funds							
Bond Issue 2012	255.9	1,840.7					2,096,600
Revenue Bonds	335.8	1,450.9	208.0				1,994,700
TOTAL:	591.7	3,291.6	208.0	-	-	-	\$ 4,091,300

OPERATIONAL IMPACT:

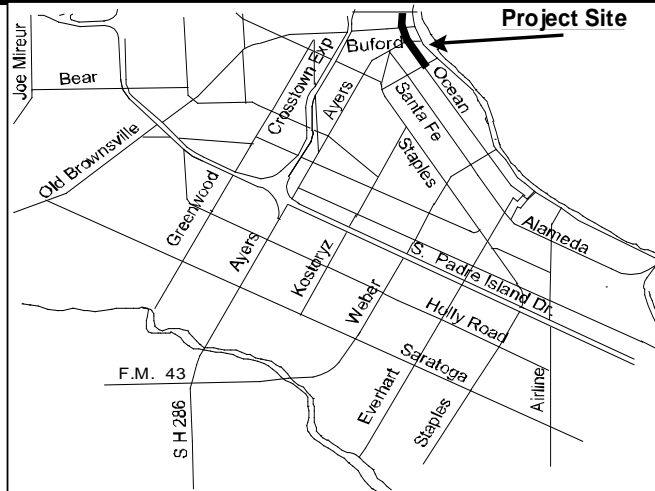
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Ocean Drive - Buford Street to Louisiana Avenue

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full-depth repair and narrowing of the existing six lane roadway to a four lane roadway with divided median and on-street bike lanes. Improvements include new and upgraded traffic signals, curb and gutter, sidewalks, ADA curb ramps, and pavement markings. The project also includes slope stabilization along the Corpus Christi Bay bluff side of the roadway. Utility improvements include water, wastewater, storm water, and gas.



PROJECT NOTES:

Project No: E12093
 A/E Consultant: Freese Nichols, Inc.
 Contractor: Bay, Ltd.
 Award Design: Jan 2013
 Award Construction: Dec. 2015
 Anticipated Completion: Nov. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	804.1	8,192.5	116.0				9,112,600
STORM WATER	263.7	5,764.2					6,027,900
WASTEWATER	80.1	705.9					786,000
WATER	69.5	1,649.4					1,718,900
GAS	9.6	9.4					19,000
TOTAL:	1,227.0	16,321.4	116.0	-	-	-	\$ 17,664,400
Source of Funds							
Bond Issue 2012	804.1	8,192.5					8,996,600
Revenue Bonds	422.9	8,128.9					8,551,800
Certifications of Obligation			116.0				116,000
TOTAL:	1,227.0	16,321.4	116.0	-	-	-	\$ 17,664,400

OPERATIONAL IMPACT:

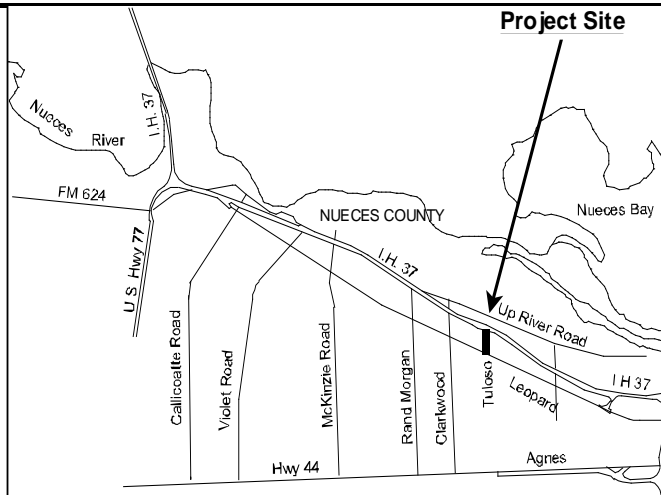
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Tuloso Road - Interstate Highway 37 to Leopard Street

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

The project includes full-depth repair and widening of the existing two lane rural roadway to a two lane roadway with shoulders and designated left hand turn lanes at intersections. Improvements include sidewalks, ADA curb ramps, and pavement markings. Utility improvements include new water, wastewater, storm water and gas.



PROJECT NOTES:

Project No: E12094
 A/E Consultant: Maverick Engineering
 Contractor: TBD
 Award Design: Jan 2013
 Award Construction: Dec. 2016
 Anticipated Completion: July 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	387.6	59.0	1,463.0				1,909,600
STORM WATER	162.3	781.2					943,500
WASTEWATER	32.1	622.4					654,500
WATER	32.4	1,115.2					1,147,600
GAS	8.9	297.3					306,200
TOTAL:	623.3	2,875.1	1,463.0	-	-	-	\$ 4,961,400
Source of Funds							
Bond Issue 2012	387.6	59.0					446,600
Revenue Bonds	235.7	2,816.1					3,051,800
Certifications of Obligation			1,463.0				1,463,000
TOTAL:	623.3	2,875.1	1,463.0	-	-	-	\$ 4,961,400

OPERATIONAL IMPACT:

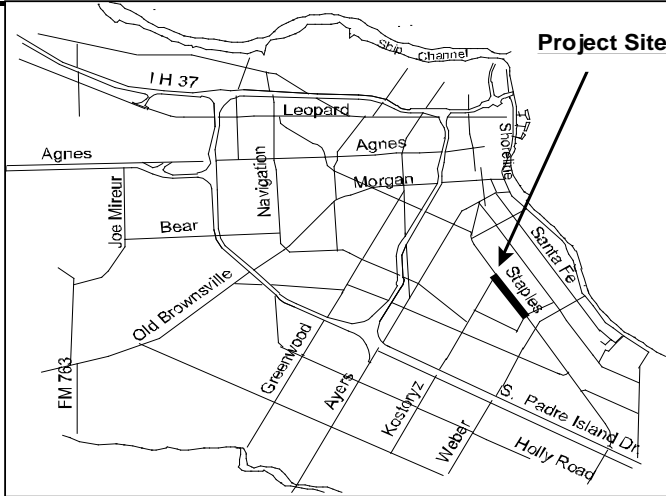
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: South Staples Street - Brawner Parkway to Kostoryz Road

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project consists of full-depth reconstruction of the existing roadway to include four-lane roadway with a continuous center left turn lane. Improvements include curb and gutter, wide sidewalks, ADA curb ramps, pavement markings and bus stops. Utility improvements include water, wastewater, storm water, and gas.



PROJECT NOTES:	
Project No:	E12095
A/E Consultant:	Freese Nichols, Inc.
Contractor:	TBD
Award Design:	Jan 2013
Award Construction:	Feb 2017
Anticipated Completion:	Sept. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	531.1	2,415.2	2,214.0	1,432.0			6,592,300
STORM WATER	276.4	2,291.6	310.0	321.0			3,199,000
WASTEWATER	48.1	838.9					887,000
WATER	56.5	164.5	370.0	150.0			741,000
GAS	5.9	32.1					38,000
TOTAL:	918.0	5,742.3	2,894.0	1,903.0	-	-	\$ 11,457,300
Source of Funds							
Bond Issue 2012	531.1	2,415.2					2,946,300
Revenue Bonds	386.9	3,327.1	680.0	471.0			4,865,000
Certifications of Obligation			2,214.0	1,432.0			3,646,000
TOTAL:	918.0	5,742.3	2,894.0	1,903.0	-	-	\$ 11,457,300

OPERATIONAL IMPACT:

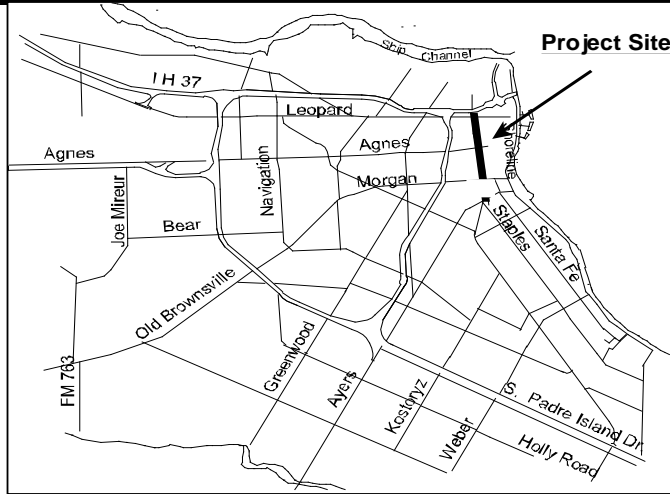
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: South Staples Street - Morgan Avenue to Interstate Highway 37

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project consists of full depth reconstruction of the existing four lane roadway with pavement markings. The project includes only limited curb and gutter, sidewalks and ADA ramps. Utility improvements include water, wastewater, storm water and gas. The new pavement from Morgan to Comanche is HMAC and the pavement from Comanche to IH-37 is concrete due to the high volume of Regional Transportation Authority (RTA) bus traffic in the area. This work was coordinated and developed as a joint City/RTA project to minimize impacts with the new RTA bus terminal, City Hall and adjacent roadway traffic. RTA participation included funding the reconstruction of Mestina and Artesian Streets under this project while the bus terminal was under construction.



PROJECT NOTES:	
Project No:	E12096
A/E Consultant:	Naismith Engineering
Contractor:	Bay, Ltd.
Award Design:	Jan 2013
Award Construction:	Sept 2015
Anticipated Completion:	Aug 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	6,994.3	677.1					7,671,400
STORM WATER	3,835.7	195.1					4,030,800
WASTEWATER	1,752.8	-					1,752,800
WATER	2,015.3	150.7					2,166,000
GAS	79.3	10.6					89,900
TOTAL:	14,677.4	1,033.5	-	-	-	-	\$ 15,710,900
Source of Funds							
Bond Issue 2012	6,994.3	677.1					7,671,400
Revenue Bonds	7,683.1	356.4					8,039,500
TOTAL:	14,677.4	1,033.5	-	-	-	-	\$ 15,710,900

OPERATIONAL IMPACT:

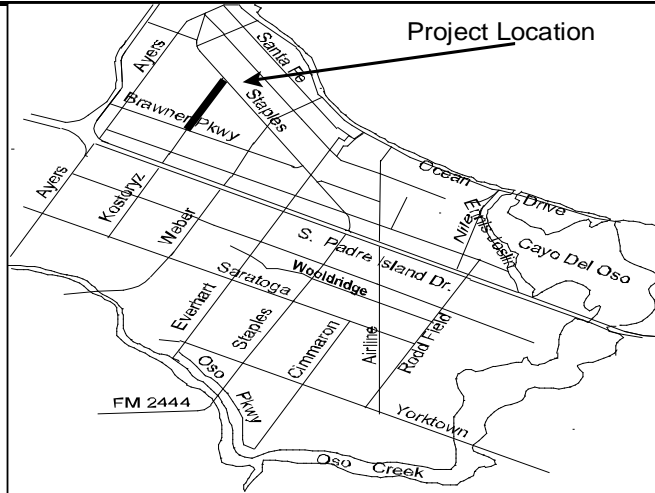
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Kostoryz Road - Brawner Parkway to Staples Street

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes reconstructing the 4-lane roadway with widened 5-lane intersections for protected left turns at Brawner Pkwy and Norton Rd. The Staples St intersection shall also be widened to include a new designated right turn lane. Improvements will include curb and gutter, sidewalks, ADA curb ramps, signalization and pavement markings. Utility improvements include water, wastewater, storm water and gas. The sidewalks are 5' on the west side and 8' on the east side of the roadway, allowing the east sidewalk to serve as a multi-use path.



PROJECT NOTES:

Project No: E12099
 A/E Consultant: Urban Engineering
 Contractor: Reytec Construction
 Award Design: Jan. 2013
 Award Construction: July 2016
 Anticipated Completion: Dec. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	430.2	1,166.5	3,006.4	1,253.0			5,856,100
STORM WATER	298.2	1,313.8	1,145.0	476.9			3,233,900
WASTEWATER	35.3	234.7	37.7				307,700
WATER	41.0	401.4	117.0	50.0			609,400
GAS	3.9	28.1					32,000
TOTAL:	808.6	3,144.5	4,306.1	1,779.9	-	-	\$ 10,039,100
Source of Funds							
Bond Issue 2012	430.2	1,166.5					1,596,700
Revenue Bonds	378.4	1,978.0	1,299.7	526.9			4,183,000
Certifications of Obligation			3,006.4	1,253.0			4,259,400
TOTAL:	808.6	3,144.5	4,306.1	1,779.9	-	-	\$ 10,039,100

OPERATIONAL IMPACT:

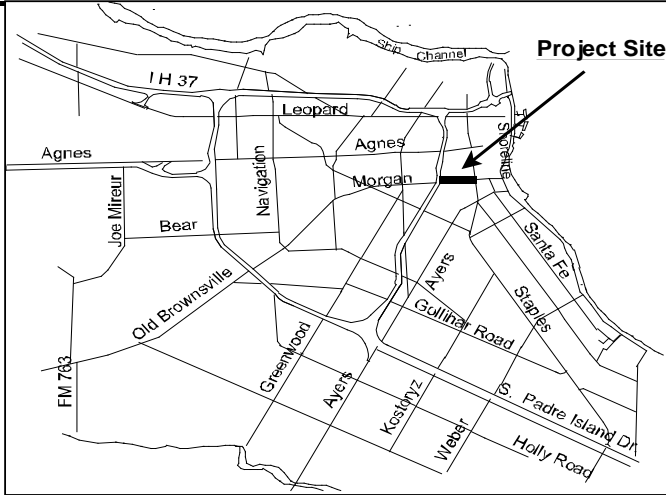
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Morgan Avenue - South Staples Street to Crosstown Freeway

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction of the existing four lane roadway with new curb and gutter, sidewalks, ADA ramps, and bus stops. Utility improvements include water, wastewater, storm water and gas. This project is being coordinated with City Bond 2014 project Morgan from Ocean Drive to South Staples Street and Spohn Hospital construction to minimize impacts and overall cost.



PROJECT NOTES:

Project No: E12101
 A/E Consultant: Coym, Rehmet & Gutierrez
 Contractor: TBD
 Award Design: Jan 2013
 Award Construction: May 2017
 Anticipated Completion: Jan. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	193.4	-	1,532.4	920.0			2,645,800
STORM WATER	238.8	2,241.2					2,480,000
WASTEWATER	50.5	235.5	29.8				315,800
WATER	59.5	513.5	5.0				578,000
GAS	3.9	28.1					32,000
TOTAL:	546.1	3,018.3	1,567.2	920.0	-	-	\$ 6,051,600
Source of Funds							
Bond Issue 2012	193.4						193,400
Revenue Bonds	352.7	3,018.3	34.8				3,405,800
Certifications of Obligation			1,532.4	920.0			2,452,400
TOTAL:	546.1	3,018.3	1,567.2	920.0	-	-	\$ 6,051,600

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

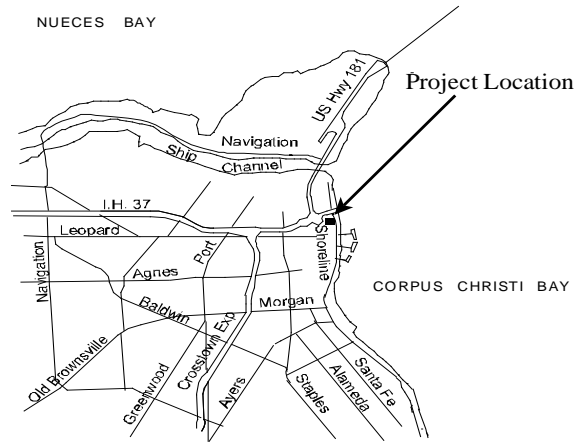
PROJECT TITLE: Twigg Street - Shoreline Boulevard to Lower Broadway

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full-depth reconstruction of the existing two lane road with new sidewalks, curb and gutter, ADA ramps, and pavement markings. Utility improvements include water, storm water, wastewater and gas. The project also includes landscaping and area beautification.

Note: This project is deferred until finalization of Harbor Bridge design.



PROJECT NOTES:

Project No:	E12102
A/E Consultant:	HDR, Inc.
Contractor:	TBD
Award Design:	Jan 2013
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	253.3		800.0	197.0			1,250,300
STORM WATER	106.8	1,646.2					1,753,000
WASTEWATER	36.6	421.0	1.4				459,000
WATER	25.6	285.7					311,300
GAS	0.4	27.6					28,000
TOTAL:	422.7	2,380.5	801.4	197.0	-	-	\$ 3,801,600
Source of Funds							
Bond Issue 2012	253.3						253,300
Revenue Bonds	169.4	2,380.5	1.4				2,551,300
Certifications of Obligation			800.0	197.0			997,000
TOTAL:	422.7	2,380.5	801.4	197.0	-	-	\$ 3,801,600

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

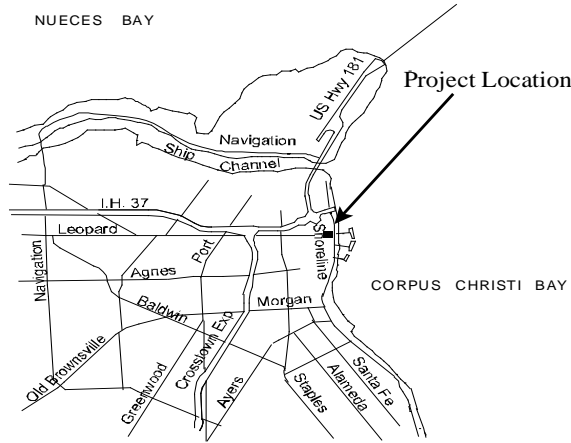
PROJECT TITLE: Leopard Street - Crosstown Freeway to Palm Drive

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

The project includes full-depth reconstruction and partial widening of the existing 4 lane roadway with new sidewalks, curb and gutter, ADA ramps and pavement markings. The section of Leopard from Antelope to Port remains four-lanes with the section from Port to Palm as five-lanes with a continuous center turn lane. Utility improvements include water, wastewater, storm and gas.

Note: This project is deferred until finalization of Harbor Bridge design.



PROJECT NOTES:

Project No:	E12103
A/E Consultant:	HDR, Inc.
Contractor:	TBD
Award Design:	Jan 2013
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	378.3		1,150.0	522.0			2,050,300
STORM WATER	198.0	796.3					994,300
WASTEWATER	44.6	166.0	46.0				256,600
WATER	44.8	457.7	48.0				550,500
GAS	4.7	11.1					15,800
TOTAL:	670.4	1,431.1	1,244.0	522.0	-	-	\$ 3,867,500
Source of Funds							
Bond Issue 2012	378.3						378,300
Revenue Bonds	292.1	1,431.1	94.0				1,817,200
Certifications of Obligation			1,150.0	522.0			1,672,000
TOTAL:	670.4	1,431.1	1,244.0	522.0	-	-	\$ 3,867,500

OPERATIONAL IMPACT:

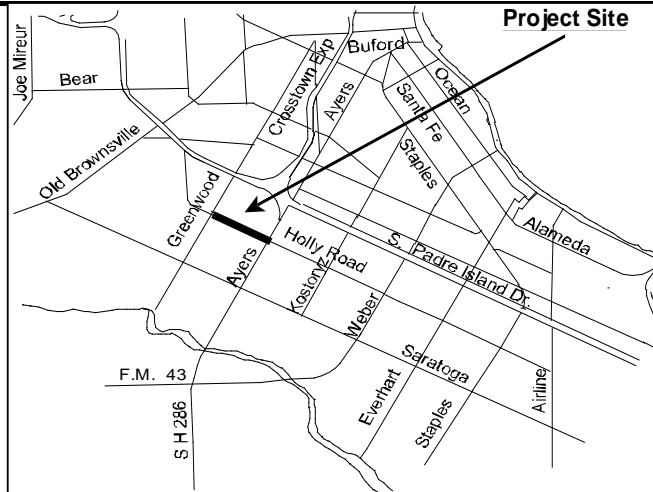
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Holly Road - Crosstown Freeway to Greenwood Drive

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes reconstruction and expansion of the existing two lane roadway to a four lane roadway with bike lanes and a raised median. Landscaping, curb and gutter, pavement markings, signage, sidewalks and ADA curb ramps are included in the project scope. This is a joint City and TxDOT project with an 80/20 match from TxDOT for funding of the design and construction of the street, storm water and landscaping. The City is 100% responsible for wastewater, water and gas.



PROJECT NOTES:

Finance Project No: 170371
 Engineering Project No: 6470
 A/E Consultant: LNV, Inc.
 Contractor: TBD
 Award Design: Aug 2011
 Award Construction: Dec 2016
 Anticipated Completion: June 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	2,313.3	5,496.1	2,702.0				10,511,400
STORM WATER		128.0	3,556.3				3,684,300
WASTEWATER		400.1					400,100
WATER		600.4	250.0	128.0			978,400
GAS		3.0					3,000
TOTAL:	2,313.3	6,627.6	6,508.3	128.0	-	-	\$ 15,577,200
Source of Funds							
Bond Issue 2008	950.0	356.1					1,306,100
Bond Issue 2012	816.5	1,186.0					2,002,500
Revenue Bonds		1,131.5	3,806.3	128.0			5,065,800
Certifications of Obligation			2,702.0				2,702,000
Texas Department Transportation	546.8	3,954.0					4,500,800
TOTAL:	2,313.3	6,627.6	6,508.3	128.0	-	-	\$ 15,577,200

OPERATIONAL IMPACT:

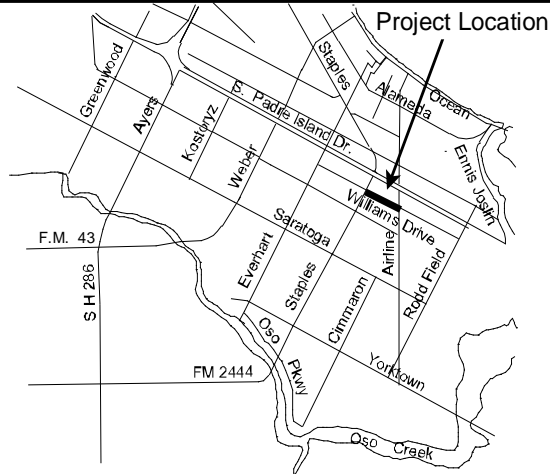
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Williams Drive Phase 3 - South Staples Street to Airline Road

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project includes full depth reconstruction and widening of the existing two lane roadway to a four lane roadway with protected left turn lanes at intersections. Improvements include new curb and gutter, sidewalks, ADA curb ramps, pavement markings and lighting. This is a joint City and TxDOT project with 20/80 match respectively for design and construction of the street, curb and gutter, ADA ramps and storm water. The City is 100% responsible for wastewater, water and gas.



PROJECT NOTES:

Project No:	E11116
A/E Consultant:	LJA, Inc.
Contractor:	Reytec
Award Design:	Jan. 2012
Award Construction:	Feb. 2016
Anticipated Completion:	Feb. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	6,697.4	0.1					6,697,500
STORM WATER	3,256.2	343.9	634.1				4,234,200
WASTEWATER	343.1	57.3	30.3				430,700
WATER	186.1	45.0	300.0	25.0			556,100
GAS	20.0						20,000
TOTAL:	10,502.8	446.3	964.4	25.0	-	-	\$ 11,938,500
Source of Funds							
Bond Issue 2004	1,060.7						1,060,700
Bond Issue 2008	80.2						80,200
Bond Issue 2012	1,796.5	0.1					1,796,600
Revenue Bonds	3,805.4	446.2	964.4	25.0			5,241,000
Texas Department Transportation	3,760.0						3,760,000
TOTAL:	10,502.8	446.3	964.4	25.0	-	-	\$ 11,938,500

OPERATIONAL IMPACT:

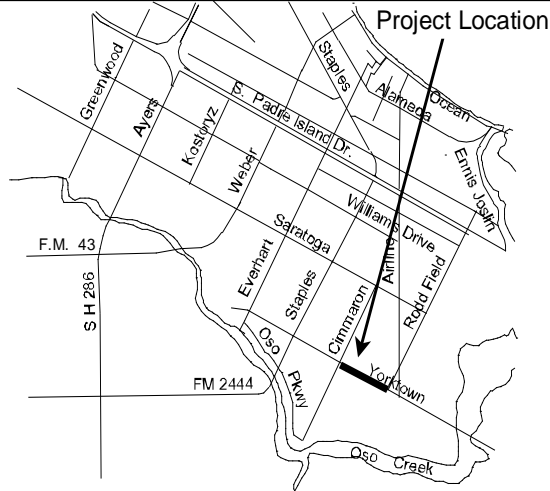
There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the road to accommodate heavier traffic flows and provide a safer driving experience.

PROJECT TITLE: Yorktown Boulevard - Rodd Field Road to Cimarron Boulevard

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:

This project is the final phase to provide the landscaping along the project location. The landscaping was deferred to develop a joint City/Del Mar College project in coordination with the new Southside campus. The project is also coordinated with the Rodd Field Road Project (Bond 2014 Proposition 2) to better implement landscaping and reduce overall cost. Del Mar plans to participate in the installation and maintenance cost of this project.



PROJECT NOTES:

Project No: E10100
 A/E Consultant: Freese Nichols, Inc.
 Contractor: TBD
 Award Design: Aug. 2010
 Award Construction: Feb. 2017
 Anticipated Completion: May 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	4,279.7	624.6					4,904,300
STORM WATER	2,071.8	1,112.5					3,184,300
WASTEWATER	2.0	430.0					432,000
WATER	371.1	16.7					387,800
MIS	-	1.2					1,200
TOTAL:	6,724.6	2,185.0	-	-	-	-	\$ 8,909,600
Source of Funds							
Bond Issue 2004	46.4						46,400
Bond Issue 2008	444.7						444,700
Bond Issue 2012	3,788.6	624.6					4,413,200
Revenue Bonds	2,444.9	1,560.4					4,005,300
Certifications of Obligation							
TOTAL:	6,724.6	2,185.0	-	-	-	-	\$ 8,909,600

OPERATIONAL IMPACT:

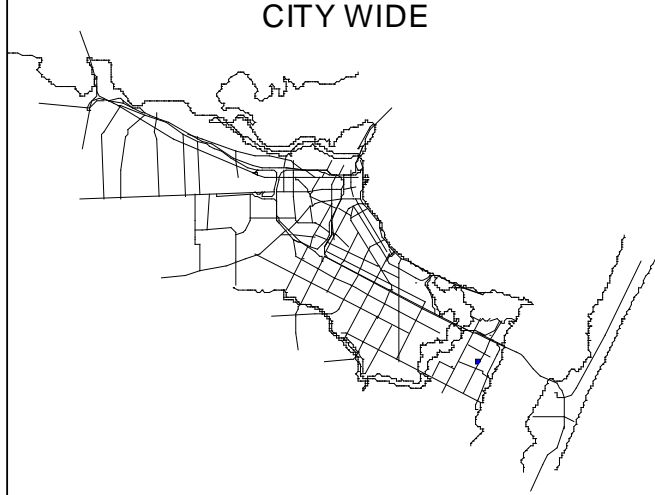
There is no direct operational budget impact.

PROJECT TITLE: Signal Improvement and Street Lighting

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32.

DESCRIPTION:

The project provides new traffic signals and upgrades to existing span wire signals at prioritized intersections across the City. The signal upgrades include new poles, mast arms, LED signal heads, controllers, ped-poles, video detection and illuminated street signage for fully ADA compliant intersections. Lighting upgrades included replacing existing mercury-vapor lighting with high pressure sodium vapor or LED lighting for improved lighting quality, energy efficiency and safety for pedestrians and traffic.



PROJECT NOTES:

Project No: E12105
 A/E Consultant: MBITS
 Contractor: Various
 Award Design: Various
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	565.0	1,406.1					1,971,100
STORM WATER							-
WASTEWATER							-
WATER							-
TOTAL:	565.0	1,406.1	-	-	-	-	\$ 1,971,100
Source of Funds							
Bond Issue 2012	565.0	1,406.1					1,971,100
Revenue Bonds	-	-					-
TOTAL:	565.0	1,406.1	-	-	-	-	\$ 1,971,100

OPERATIONAL IMPACT:

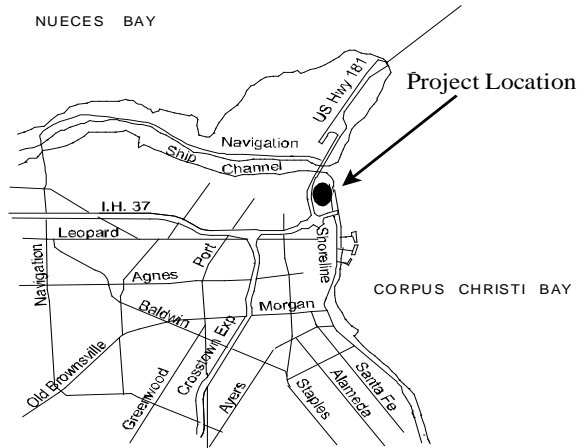
At this time it is not possible to determine the operational impact due to this project, but outdated, expensive lighting will be replaced with more efficient systems which are cost effective and better for the environment.

PROJECT TITLE: SeaTown Pedestrian Improvements

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32.

DESCRIPTION:

This project is the first phase in implementing recommendations of the Sustainable Communities Building Blocks Walkability Audit conducted in May 2012, which includes recommendations to improve walkability and connectivity of local destinations to include the American Bank Center, Whataburger Field, Ortiz Center, Art Museum, Science & History Museum, Heritage Park and other area attractions.



PROJECT NOTES:

Project No:	E12134
A/E Consultant:	LJA, Inc.
Contractor:	TBD
Award Design:	June 2014
Award Construction:	July 2017
Anticipated Completion:	Nov. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	116.5	383.5					500,000
STORM WATER		140.0					140,000
WASTEWATER							-
WATER							-
TOTAL:	116.5	523.5	-	-	-	-	\$ 640,000
Source of Funds							
Bond Issue 2012	116.5	383.5					500,000
Revenue Bonds	-	140.0					140,000
TOTAL:	116.5	523.5	-	-	-	-	\$ 640,000

OPERATIONAL IMPACT:

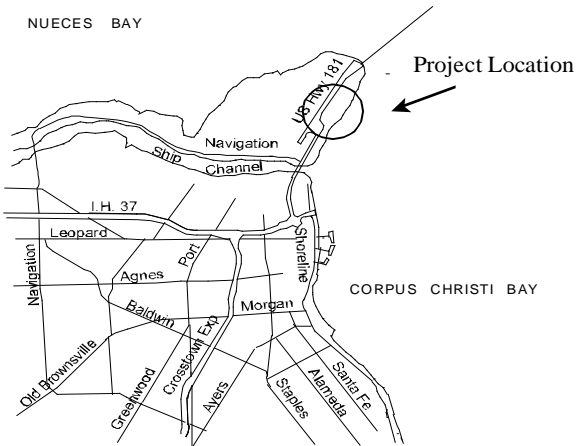
Operational Impact for this project could include increased lighting and electrical consumption which will be developed during the design stage. The project will greatly improve the area and make it safer and friendlier for residents and visitors.

PROJECT TITLE: North Beach Area Road Improvements & Area Beautification

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32.

DESCRIPTION:

This project includes landscaping enhancements, as well as, roadway surface and pedestrian improvements in the North Beach Area on the following roads: Breakwater Ave, Pearl Ave, North Shoreline Blvd, Bridgeport Ave, and Coastal Avenue. This project is being coordinated and combined into one design and construction project with the North Beach Breakwater project (Sequence #42) to minimize impacts and maximize resources and project objectives.



PROJECT NOTES:

Project No: E12127
 A/E Consultant: LJA, Inc.
 Contractor: TBD
 Award Design: March 2013
 Award Construction: June 2017
 Anticipated Completion: Dec. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	122.4	477.6					600,000
STORM WATER	25.3	332.4					357,700
WASTEWATER	23.0	42.1					65,100
WATER	23.0	55.2					78,200
TOTAL:	193.7	907.3	-	-	-	-	\$ 1,101,000
Source of Funds							
Bond Issue 2012	122.4	477.6					600,000
Revenue Bonds	71.3	429.7					501,000
TOTAL:	193.7	907.3	-	-	-	-	\$ 1,101,000

OPERATIONAL IMPACT:

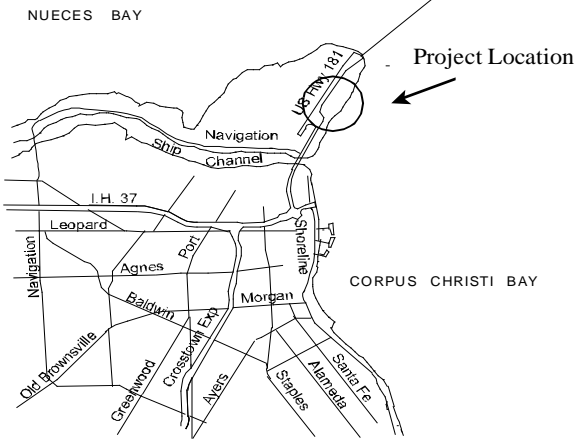
Operational Impact for this project could include increased electrical consumption and water usage which will be identified during the design stage. The project will greatly improve the area and make it safer and friendlier for residents and visitors.

PROJECT TITLE: North Beach Breakwater Plaza, North Shoreline Repair and Enhancement

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32.

DESCRIPTION:

This project includes repairs, resurfacing, safety improvements and pedestrian amenities to the sidewalk along the Breakwater Structure. North Shoreline on-street parking enhancement and pedestrian improvements are included in addition to enhancements at Breakpoint Area Plaza. This project is being designed and constructed with the North Beach Area Road Improvements and Beautification Project (Sequence #41) to reduce costs and accomplish project objectives. This project is also being coordinated with the Texas State Aquarium, the Lexington and other North Beach businesses for private funding to further maximize resources.



PROJECT NOTES:

Project No:	E12129
A/E Consultant:	LJA, Inc.
Contractor:	TBD
Award Design:	March 2013
Award Construction:	June 2017
Anticipated Completion:	Dec. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	214.5	785.5					1,000,000
STORM WATER	50.0	460.4					510,400
WASTEWATER	45.9	64.1					110,000
WATER	38.1	92.1					130,200
TOTAL:	348.5	1,402.1	-	-	-	-	\$ 1,750,600
Source of Funds							
Bond Issue 2012	214.5	785.5					1,000,000
Revenue Bonds	134.0	616.6					750,600
TOTAL:	348.5	1,402.1	-	-	-	-	\$ 1,750,600

OPERATIONAL IMPACT:

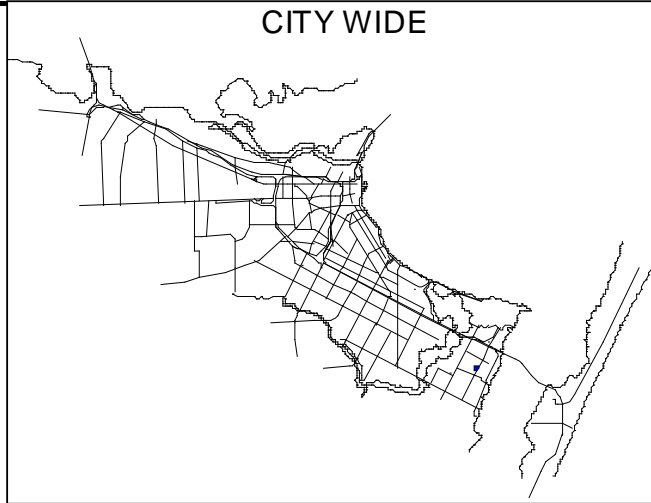
Unable to quantify operational impact at this time, but the work will make the area safer and friendlier for residents and visitors.

PROJECT TITLE: Developer Participation

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32.

DESCRIPTION:

Under the platting ordinance, the City participates with developers on street construction: along dedicated parks or other City property; construction of heavier-duty pavement sections on major streets; and portions of budget construction across drainage channels. This project provides for the City's street share of such projects as necessary up to the approved amount.



PROJECT NOTES:

Project No: Various
 A/E Consultant: Development Services
 Contractor: N/A
 Award Design: N/A
 Award Construction: N/A
 Anticipated Completion: N/A

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	1,386.9	1,618.8					3,005,700
STORM WATER							-
WASTEWATER							-
WATER							-
TOTAL:	1,386.9	1,618.8	-	-	-	-	\$ 3,005,700
Source of Funds							
Bond Issue 2012	1,386.9	1,618.8					3,005,700
Revenue Bonds							-
TOTAL:	1,386.9	1,618.8	-	-	-	-	\$ 3,005,700

OPERATIONAL IMPACT:

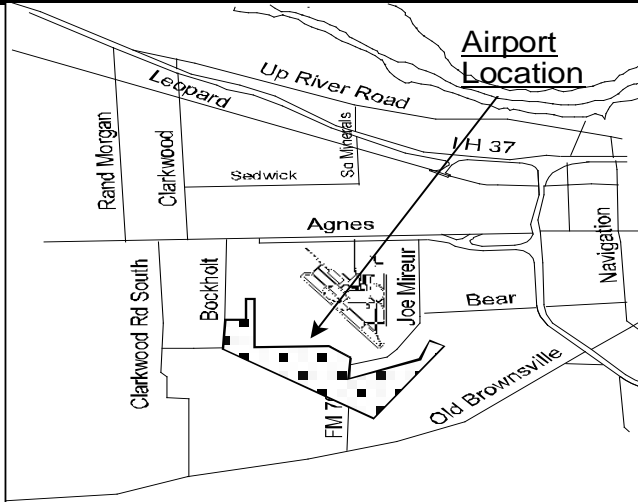
There is no operational impact with this project.

PROJECT TITLE: International Boulevard

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32.

DESCRIPTION:

This project provides pavement rehabilitation with minor utility improvements and replacement of the existing overhead signage and pavement markings for direction entering Corpus Christi International Airport (CCIA). Improvements include adding ribbon curbs and minor grading/excavation of roadside drainage ditches. Utility improvements are limited to water and wastewater for future service development.



PROJECT NOTES:

Project No: E12137
 A/E Consultant: LJA, Inc.
 Contractor: Bay, Inc.
 Award Design: March 2013
 Award Construction: July 2016
 Anticipated Completion: Jan. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	124.5	950.5					1,075,000
STORM WATER	57.3	582.6					639,900
WASTEWATER	10.3	97.7					108,000
WATER	23.5	105.0					128,500
AIRPORT	13.2	236.8					250,000
TOTAL:	228.8	1,972.6	-	-	-	-	\$ 2,201,400
Source of Funds							
Bond Issue 2012	124.5	950.5					1,075,000
Revenue Bonds	104.3	1,022.1					1,126,400
TOTAL:	228.8	1,972.6	-	-	-	-	\$ 2,201,400

OPERATIONAL IMPACT:

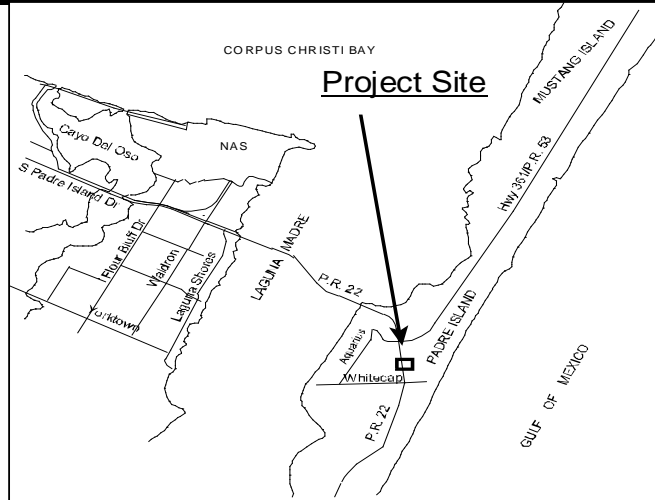
There is no planned additional operational impact for this area.

PROJECT TITLE: Park Road 22 Bridge

Consistency with the Comprehensive Plan; Policy Statements pp. 25-32.

DESCRIPTION:

This Bond 2004 project provides for a new Park Road 22 bridge over a new water exchange between the canal systems located on the east and west side of Park Road 22. The new bridge will allow for pedestrians, golf carts and small boats to pass under the bridge. The water exchange is required by the Developer under a United States Army Corps of Engineers permit and construction is being coordinated with the Developer. This project requires Texas Department of Transportation coordination and approval. This is a City Council priority project and construction will use remaining savings from Bond 2008 Street Bond Funds.



PROJECT NOTES:

Finance Project No: 170062
 Engineering Project No: 6281
 A/E Consultant: Urban Engineering
 Contractor: TBD
 Award Design: Oct 2011
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
STREETS	1,493.4		8,548.3				10,041,700
STORM WATER		282.0	12.4				294,400
WASTEWATER	3.4	4,725.6					4,729,000
WATER	3.8	629.7					633,500
GAS	3.4	116.6					120,000
TOTAL:	1,504.0	5,753.9	8,560.7	-	-	-	\$ 15,818,600
Source of Funds							
G.O. Street Bond 2004	1,491.4						1,491,400
G.O. Street Bond 2008	0.2		8,548.3				8,548,500
Tax Notes	1.8						1,800
Revenue Bonds	10.6	5,753.9	12.4				5,776,900
TOTAL:	1,504.0	5,753.9	8,560.7	-	-	-	\$ 15,818,600

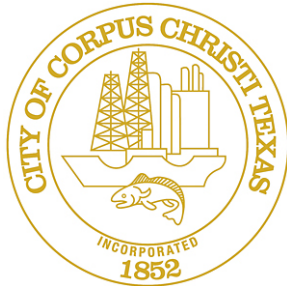
OPERATIONAL IMPACT:

An operational budget impact cannot be determined until a final project scope has been developed. This project will impact the area with benefits to economic development and tourism.



GAS

Obligation to the Future



CITY OF CORPUS CHRISTI GAS PROGRAM

This year's Gas Department Capital Improvement Program represents a large investment for the City's natural gas system to address increased growth in the area, expand market development and invest in the infrastructure needs of the system. Previous pipeline expansion projects and pipeline acquisitions have come together to improve service, reliability, cut costs and adequately plan for the future of our distribution system.

Currently, the Gas Department is responsible for approximately 1,300 miles of distribution gas mains with over 54,000 active residential and commercial customers. This amounts to the purchase and delivery of approximately 3,300,000 million cubic gallons of natural gas per year.

Included in this year's Capital Improvement Program are critical expansion requirements for the main distribution supply lines throughout the City. These projects will connect the existing City distribution system to the North Beach distribution system, the Annaville/Calallen distribution system, and the Padre Island System. When complete, the Gas Department will have consolidated from five independent distribution systems to one. With the expansion of the main distribution supply line to the Annaville/Calallen, North Beach, Violet, and Padre Island areas, the reliability of the distribution system as a whole is greatly increased and redundancy is accomplished. Deliverability and capacity of the system is anticipated to increase.

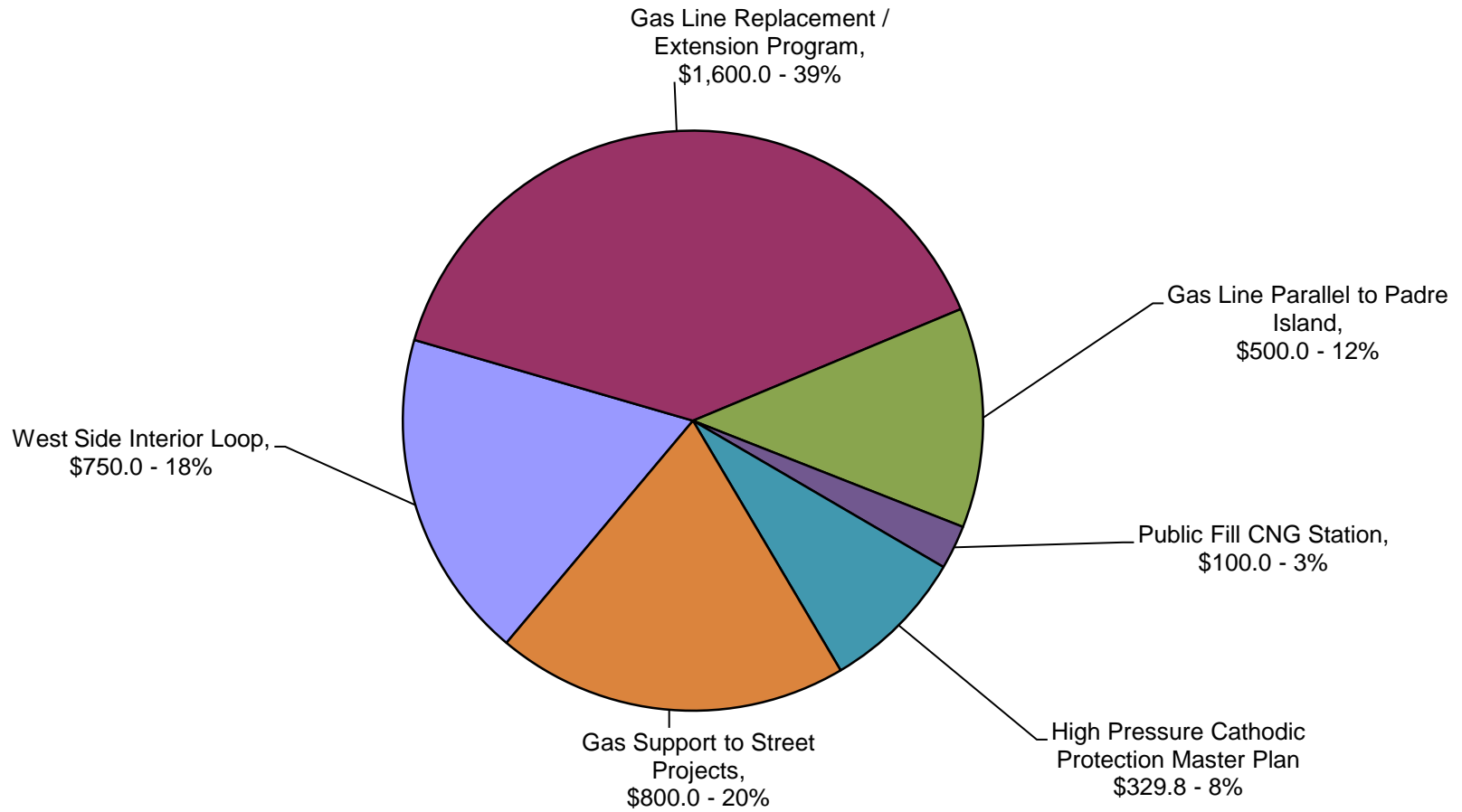
In addition to the projects listed, the Gas Capital Improvement Program Budget includes over \$1M in work to support city and Texas Department of Transportation (TxDOT) street projects that require upgrading or moving gas transmission lines. These projects include streets listed in the 2012 and 2014 General Obligation Bond Elections and programmed by TxDOT in anticipation of the new Harbor Bridge project.

The Gas Department is committed to providing quality service and competitive pricing for their natural gas customers. The program addresses future growth with potential market development and improved citywide service and reliability.

A recap of the budgeted expenditures includes:

EXPENDITURES:	YEAR ONE 2016 – 2017	YEAR TWO 2017– 2018	YEAR THREE 2018 – 2019
TOTAL PROGRAMMED EXPENDITURES:	\$ 4,079,800	\$ 3,915,500	\$ 3,845,500
FUNDING:			
New Debt (Revenue Bonds)	\$ 4,079,800	\$ 3,915,500	\$ 3,845,500
TOTAL PROGRAMMED FUNDS:	\$ 3,279,800	\$ 3,115,500	\$ 3,045,500

Gas
Annual CIP: \$4,079.8
(Amounts in 000's)



Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
GAS 01	West Side Interior Loop Finance and Engineering Number: E12131	337.4	701.4	750.0	550.0		1,300.0
GAS 02	Gas Line Replacement / Extension Program Finance and Engineering Number: E12132	1,767.5	251.7	1,600.0	1,600.0	1,600.0	4,800.0
GAS 03	Gas Line Parallel to Padre Island Water Main, Phase 2 Finance and Engineering Number: E10171	3,124.7	207.9	500.0			500.0
GAS 04	Public Fill CNG Station Finance and Engineering Number: E15114	1,822.9	20.0	100.0			100.0
GAS 05	High Pressure Cathodic Protection Master Plan Finance and Engineering Number: E13022	120.0	1,100.4	329.8			329.8
GAS 06	Texas Department of Transportation Gas Line Relocation (HARBOR BRIDGE) Finance and Engineering Number: E15162		1,400.0				-
GAS 07	Gas Southside Transmission Main, Part D, Phase 1 Finance and Engineering Number: TBD				750.0	1,122.5	1,872.5
GAS 08	Gas Southside Transmission Main, Part E Finance and Engineering Number: TBD				215.5	323.0	538.5
Gas Program Sub-Total:		7,172.5	3,681.4	3,279.8	3,115.5	3,045.5	9,440.8

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
-------	--------------	--------------------------------------	--------------------------------------	-------------------------------	--------------------	--------------------	------------------

	*Utility Relocation Costs for Bond 2008	3.4	116.6	-	-	-	-
	*Utility Relocation Costs for Bond 2012	183.1	791.1	300.0	300.0	300.0	900.0
	*Utility Relocation Costs for Bond 2014	69.6	1.9	500.0	500.0	500.0	1,500.0

** relocation costs and funding reflected within Streets Program*

	TOTAL PROGRAMMED EXPENDITURES:	7,428.6	4,591.0	4,079.8	3,915.5	3,845.5	11,840.8
--	---------------------------------------	----------------	----------------	----------------	----------------	----------------	-----------------

CURRENTLY AVAILABLE FUNDING:

	Revenue Bonds	7,428.6	4,591.0	-	-	-	-
	Total Currently Available:	7,428.6	4,591.0	-	-	-	-

RECOMMENDED ADDITIONAL FUNDING:

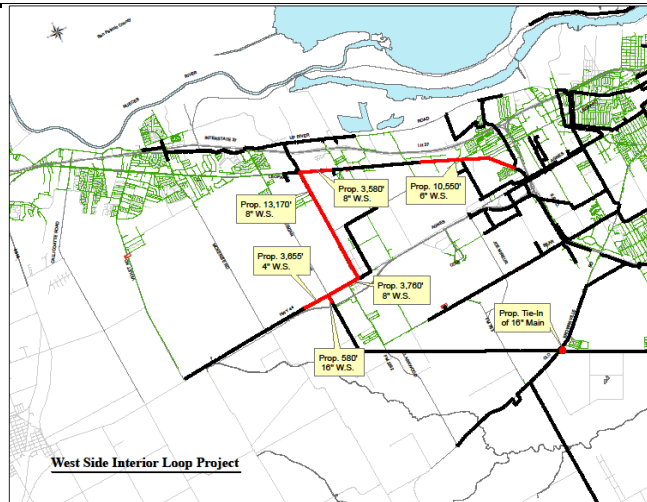
	Revenue Bonds	-	-	4,079.8	3,915.5	3,845.5	11,840.8
	Total Funding Source:	7,428.6	4,591.0	4,079.8	3,915.5	3,845.5	11,840.8

PROJECT TITLE: West Side Interior Loop

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56, 60 & 61

DESCRIPTION:

This project consists of installing approximately 35,000 feet of high pressure mains varying in size from 4 to 16 inches. This will connect the existing City distribution system to the Annville/Calallen distribution system. Connecting the two system will increase reliability and capacity to the Annville/Calallen area. This project will be completed by City crews.



PROJECT NOTES:

Parent Project No:	E12131
A/E Consultant:	In House
Contractor:	City
Award Design:	N/A
Award Construction:	On-Going
Anticipated Completion:	On-Going

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	48.5						48,500
Construction	288.4	700.0	725.0	525.0			2,238,400
Contingency							-
Inspection/Other	0.5	1.4	25.0	25.0			51,900
TOTAL:	337.4	701.4	750.0	550.0	-	-	\$ 2,338,800
Source of Funds							
Revenue Bonds	337.4	701.4	750.0	550.0			2,338,800
TOTAL:	337.4	701.4	750.0	550.0	-	-	\$ 2,338,800

OPERATIONAL IMPACT:

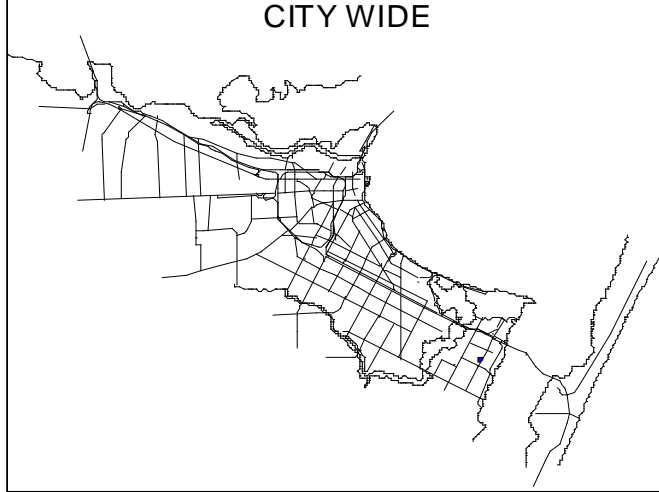
The impact is negligible to the annual operating budget, but this work will increase the capacity to market additional gas volume to the Annville and Calallen areas and potentially increase revenues.

PROJECT TITLE: Gas Line Replacement /Regulator Stations Replacement / Line Extension Program

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56, 60 & 61

DESCRIPTION:

This project involves the study and evaluation of the existing gas pipelines the City owns and will result in a replacement schedule of the lines at, or beyond, their useful service life. Lines and regulator stations in the most deteriorated condition, and those creating the most severe maintenance issues, will be prioritized for replacement. This project will also extend existing lines, opening up new service opportunities and support gas line improvements to programmed street projects that arise during the year.



PROJECT NOTES:

Parent Project No: E12132
 A/E Consultant: In House
 Contractor: City
 Award Design: N/A
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	50.7		50.0	50.0	50.0	100.0	300,700
Construction	1,711.8	250.0	1,500.0	1,500.0	1,500.0	11,000.0	17,461,800
Contingency							-
Inspection/Other	5.0	1.7	50.0	50.0	50.0	100.0	256,700
TOTAL:	1,767.5	251.7	1,600.0	1,600.0	1,600.0	11,200.0	\$ 18,019,200
Source of Funds							
Revenue Bonds	1,767.5	251.7	1,600.0	1,600.0	1,600.0	11,200.0	18,019,200
TOTAL:	1,767.5	251.7	1,600.0	1,600.0	1,600.0	11,200.0	\$ 18,019,200

OPERATIONAL IMPACT:

There is not a direct operational impact due to this project, but allows strategic system recapitalization to prevent future line breakages and interruption of service due to aging infrastructure and avoids major rate fluxuations.

PROJECT TITLE: Gas Line Parallel to Padre Island Water Main, Phase 3

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Gas Master Plan

DESCRIPTION:

The project constructs a new 8-inch diameter natural gas line parallel to the water main on the island from approximately Aquarius Street to the Sand Dollar pumping station. This improvement will meet the requirements of the Texas Railroad Commission (TRRC) to interconnect with the Corpus Christi distribution system as stated in the Gas Department Business Plan.



PROJECT NOTES:

Parent Project No:	E16325
A/E Consultant:	Urban Engineering
Contractor:	TBD
Award Design:	July 2014
Award Construction:	Sept. 2017
Anticipated Completion:	June 2018

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	156.9						156,900
Construction	2,813.5	150.0	400.0				3,363,500
Contingency			40.0				40,000
Inspection/Other	154.3	57.9	60.0				272,200
TOTAL:	3,124.7	207.9	500.0	-	-	-	\$ 3,832,600
Source of Funds							
Revenue Bonds	3,124.7	207.9	500.0				3,832,600
TOTAL:	3,124.7	207.9	500.0	-	-	-	\$ 3,832,600

OPERATIONAL IMPACT:

This project will increase redundancy and efficiencies to the Island.

Department: **GAS**

Sequence #04

PROJECT TITLE: Public Fill CNG Station

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Gas Master Plan

DESCRIPTION:

The City Council discussed the fuel and maintenance cost savings and emission reduction for a cleaner environment that is afforded through the use of Compressed Natural Gas (CNG). The City has committed to providing CNG not only for City fleets but also for commercial fleets and private customers. Public and private fleets include US Post Office, AT&T, Nueces County, Texas Railroad Commission, Republic Services, CC Disposal, and private customers. The demand of CNG has almost doubled from 17,000 GGE (Gasoline Gallon Equivalence) to 33,000 GGE since November 2013. This project proposes the construction of a public CNG station to meet the rising demands of City fleets, commercial fleets and private customers. This project is being completed through a design/build construction procurement method.



PROJECT NOTES:

Parent Project No: E15114
 A/E Consultant: Zeit Energy
 Contractor: Zeit Energy
 Award Design/Build: May 2015
 Anticipated Completion: Oct 2016

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	48.5						48,500
Design/Build Construction	1,734.3						1,734,300
Contingency							-
Inspection/Other	40.1	20.0	100.0				160,100
TOTAL:	1,822.9	20.0	100.0	-	-	-	\$ 1,942,900
Source of Funds							
Revenue Bonds	1,822.9	20.0	100.0				1,942,900
TOTAL:	1,822.9	20.0	100.0	-	-	-	\$ 1,942,900

OPERATIONAL IMPACT:

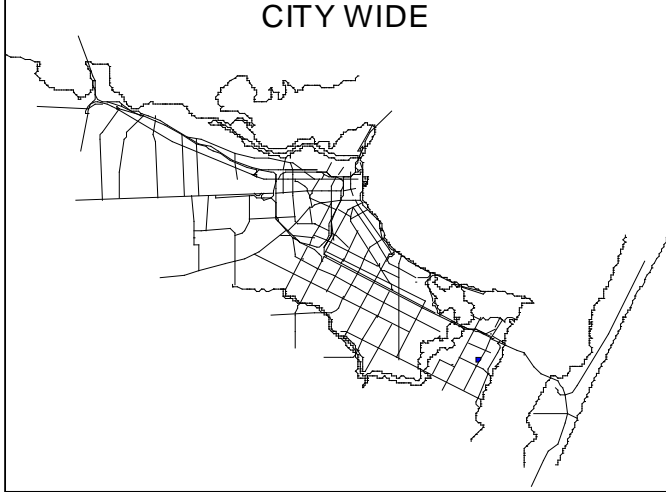
This project will increase redundancy and efficiencies to the Island.

PROJECT TITLE: High Pressure Cathodic Protection Master Plan

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57;

DESCRIPTION:

This project proposes design and construction to upgrade the current city-wide high pressure distribution system from Sacrificial Anode Cathodic Protection System to an Impressed Current Cathodic Protection System. The Impressed Current system is more effective at protecting larger mains from external corrosion. This system also uses anodes that have a longer effective lifespan and therefore will reduce anode replacement costs.



PROJECT NOTES:

Parent Project No: E13022
 A/E Consultant: RFQ
 Contractor: TBD
 Award Design: TBD
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	51.1	70.0					121,100
Equipment Purchase	59.5	900.0	300.0				1,259,500
Contingency		90.0					90,000
Inspection/Other	9.4	40.4	29.8				79,600
TOTAL:	120.0	1,100.4	329.8	-	-	-	\$ 1,550,200
Source of Funds							
Revenue Bonds	120.0	1,100.4	329.8				1,550,200
TOTAL:	120.0	1,100.4	329.8	-	-	-	\$ 1,550,200

OPERATIONAL IMPACT:

This project will not affect the operational budget.

Department: GAS

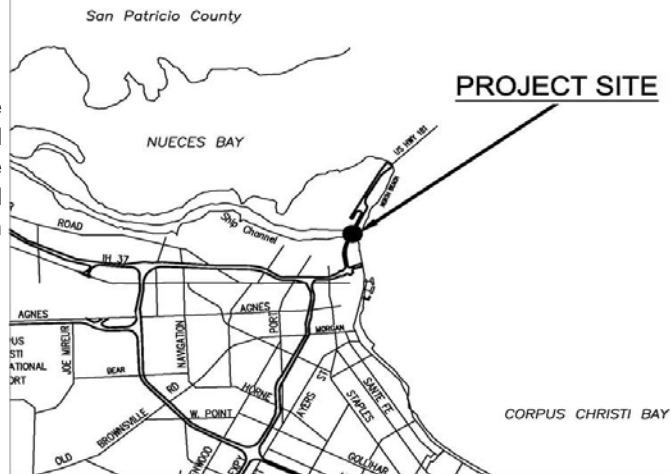
Sequence #06

PROJECT TITLE: Texas Department of Transportation Gas Line Relocation (Harbor Bridge)

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57;

DESCRIPTION:

The objective of this project is to relocate any gas lines as required by the Texas Department of Transportation (TxDOT). These funds are dedicated to the proposed Harbor Bridge easement to meet the construction schedule of Harbor Bridge project. TxDOT will be responsible for the design and construction of any utility relocations and the City will participate through funding assistance.



PROJECT NOTES:

Parent Project No:	E15162
A/E Consultant:	N/A
Contractor:	N/A
Award Design:	N/A
Award Construction:	N/A
Anticipated Completion:	N/A

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction		1,400.0					1,400,000
Contingency							-
Inspection/Other							-
TOTAL:		1,400.0	-	-	-	-	\$ 1,400,000
Source of Funds							
Revenue Bonds		1,400.0					1,400,000
TOTAL:		1,400.0	-	-	-	-	\$ 1,400,000

OPERATIONAL IMPACT:

The operational impact of this project is negligible, but it is required to facilitate construction of the new Harbor Bridge.

Department: **GAS**

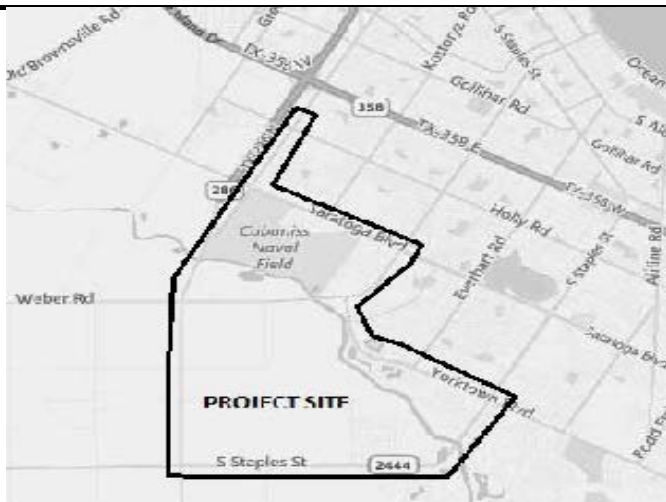
Sequence #07

PROJECT TITLE: Gas Southside Transmission Main, Part D, Phase 1

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57;

DESCRIPTION:

This project consists of the preliminary work required for the installation of approximately 26,000 linear feet of 16-inch wrapped steel gas main from Highway 44 to 1,800 feet West of Violet Road. Funding for this project will include easement acquisition by city staff, engineering design to construct the project, purchasing the necessary steel pipe and construction to the extent funding allows. The continued expansion of the high pressure main distribution supply to the Annville/Calallen area will increase deliverability, capacity and reliability. It will provide the critical back feed and redundancy that will insure continuous service. Work will be completed by City crews to the extent possible.



PROJECT NOTES:

Parent Project No:	TBD
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design/Engineering/Land Acq				200.0			200,000
Equipment / Construction				500.0	1,100.0	1,100.2	2,700,200
Contingency							-
Inspection/Other				50.0	22.5	22.5	95,000
TOTAL:				750.0	1,122.5	1,122.7	\$ 2,995,200
Source of Funds							
Revenue Bonds				750.0	1,122.5	1,122.7	2,995,200
TOTAL:				750.0	1,122.5	1,122.7	\$ 2,995,200

OPERATIONAL IMPACT:

The impact is negligible to the annual operating budget, but this work will increase the capacity to market additional gas volume to the Annville and Calallen areas and potentially increase revenues.

Department: **GAS**

Sequence #08

PROJECT TITLE: Gas Southside Transmission Main, Part E

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57;

DESCRIPTION:

This project consists of the preliminary work required for the installation of approximately 12,500 linear feet of 12-inch wrapped steel gas main from 1,800 feet west of Violet Road to Highway 77. Funding for this project will include easement acquisition by city staff, engineering design to construct the project, and purchasing the necessary steel pipe for construction. The continued expansion of the high pressure main distribution supply to the Annville/Calallen area will increase deliverability, capacity and reliability. It will provide the critical back feed and redundancy that will insure continuous service. Work will be completed by City crews to the extent possible that funding allows.



PROJECT NOTES:

Parent Project No:	TBD
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

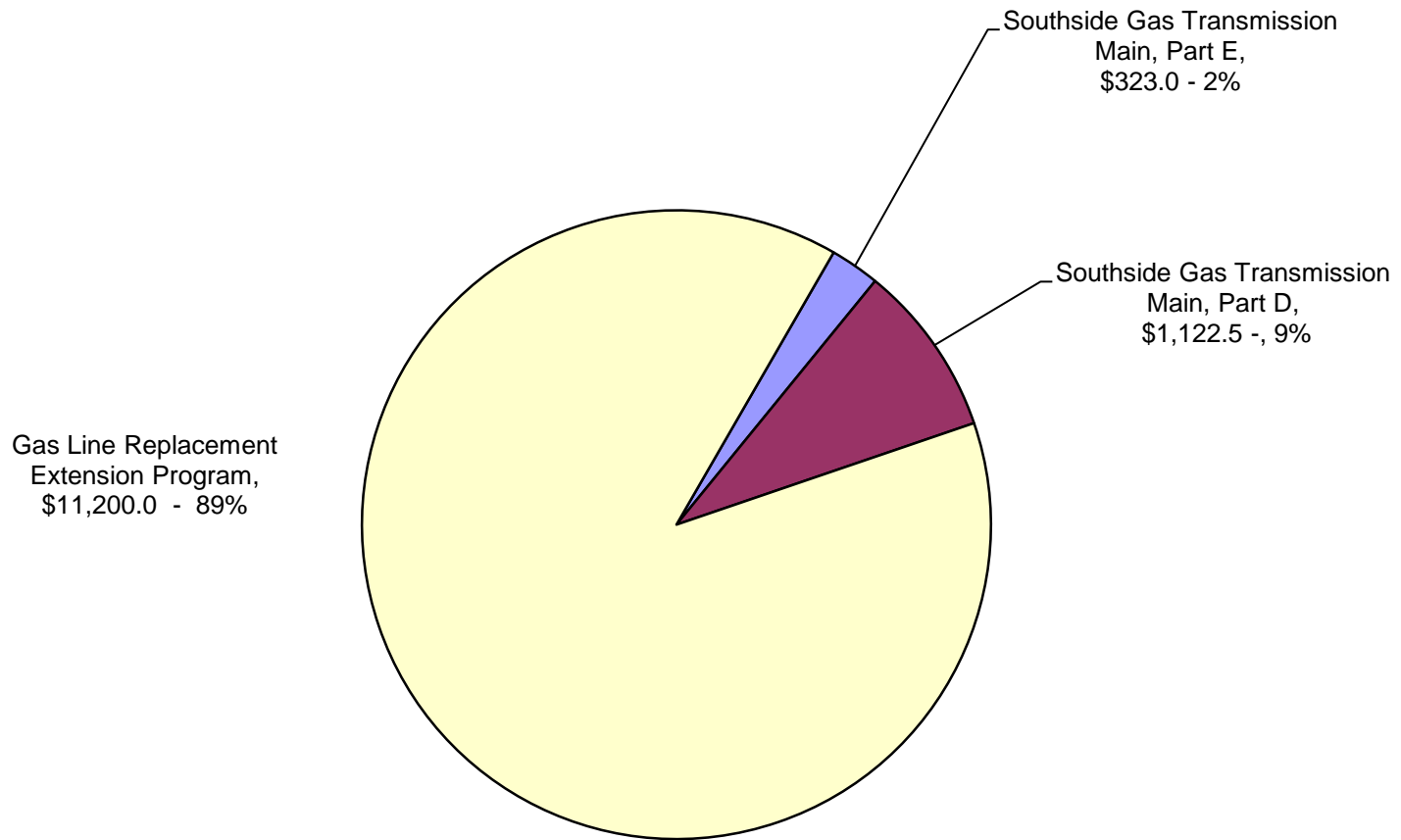
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design/Engineering/Land Acq				75.0			75,000
Equipment / Construction				120.0	300.0	300.0	720,000
Contingency							-
Inspection/Other				20.5	23.0	23.0	66,500
TOTAL:				215.5	323.0	323.0	\$ 861,500
Source of Funds							
Revenue Bonds				215.5	323.0	323.0	861,500
TOTAL:				215.5	323.0	323.0	\$ 861,500

OPERATIONAL IMPACT:

The impact is negligible to the annual operating budget, but this work will increase the capacity to market additional gas volume to the Annville and Calallen areas and potentially increase revenues.

Gas
Long-Range CIP: \$12,645.5
(Amounts in 000's)

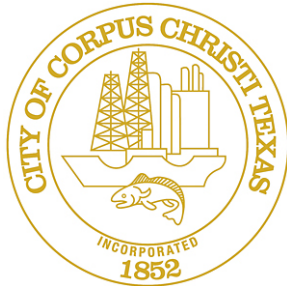


		Long-Range Year
1	<p><u>Gas Lines / Regulator Station Replacement / Extension Program (continuation)</u> \$11,200,000</p> <p>This project involves the study and evaluation of the existing gas pipelines the City owns and will result in a replacement schedule of the lines at or beyond their service life. Lines and regulator stations in the most deteriorated condition and those creating the most severe maintenance issues will be prioritized for replacement. This project will also extend existing lines opening up new service opportunities and support gas line improvements to programmed street projects that arise during the year.</p>	4, 5, 6, 7, 8, 9, 10
2	<p><u>Southside Gas Transmission Main, Part D, Phase 1 (Hwy 44 to 1,800 feet West of Violet Road)</u> \$1,122,500</p> <p>This project consists of the preliminary work required for the installation of approximately 26,000' of 16" wrapped steel gas main from Highway 44 to 1,800 feet West of Violet Road. Year 4 funding will provide for the remaining easement acquisition by city staff (Phase 1). Year 5 funding will purchase the necessary steel pipe and the engineering design to construct the project (Phase 2). Construction will be completed as future funding allows (Phase 3). The continued expansion of the high pressure main distribution supply to the Annville/Calallen area will increase deliverability, capacity and reliability. It will provide the critical back feed and redundancy that will insure continuous service.</p>	4
3	<p><u>Southside Gas Transmission Main, Part E (1800 Ft West of Violet Road to Highway 77)</u> \$323,000</p> <p>This project consists of the preliminary work required for the installation of approximately 12,500 linear feet of 12-inch wrapped steel gas main from 1,800 ft. west of Violet Road to Highway 77. Year 6 funding will provide for the remaining easement acquisition by city staff (Phase 1). Year 7 funding will purchase the necessary steel pipe and the engineering design to construct the project (Phase 2). Construction will be completed as future funding allows (Phase 3). The continued expansion of the high pressure main distribution supply to the Annville/Calallen area will increase deliverability, capacity and reliability. It will provide the critical back feed and redundancy that will insure continuous service.</p>	4
<u>TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:</u>		<u>\$12,645,500</u>



STORM WATER

Obligation to the Future



CITY OF CORPUS CHRISTI STORM WATER PROGRAM

This year's Storm Water Capital Improvement Program represents a significant investment in the City's storm water system to address increased development and critical storm water infrastructure throughout the City. Planned improvements will allocate resources for improving major and minor channels, underground main trunk lines, box culverts, collection systems, curb & gutter, inlets and outfall structures. Significant initiatives included in the Capital Improvement Program focus on ensuring compliance with state and federal regulatory requirements and planning to address the capacity limitations of existing systems. The City of Corpus Christi's Storm Water Department is currently responsible for two major drainage pump stations, over 100 miles of major ditches, 370 miles of collector ditches, 110 bridges, over 600 miles of underground storm drain pipes with 6,500 manholes, and 1800 miles of curb & gutter with 19,000 inlets and various smaller ditches, driveway culverts and natural drainage systems.

Projects are included to address drainage within the La Volla Creek and Oso Creek areas, support of Bond 2012 and Bond 2014 projects, and the Storm Water Drainage Master Plan.

The Storm Water Drainage Master Plan will be expanded to assess the impact of level of service and drainage criteria of the draft plan and will include a project prioritization schedule. The next phase continues on previous work to assess the return on investment for proposed improvements and may be used as a tool to assess prioritization of major drainage projects impacting drainage areas in excess of 200 acres.

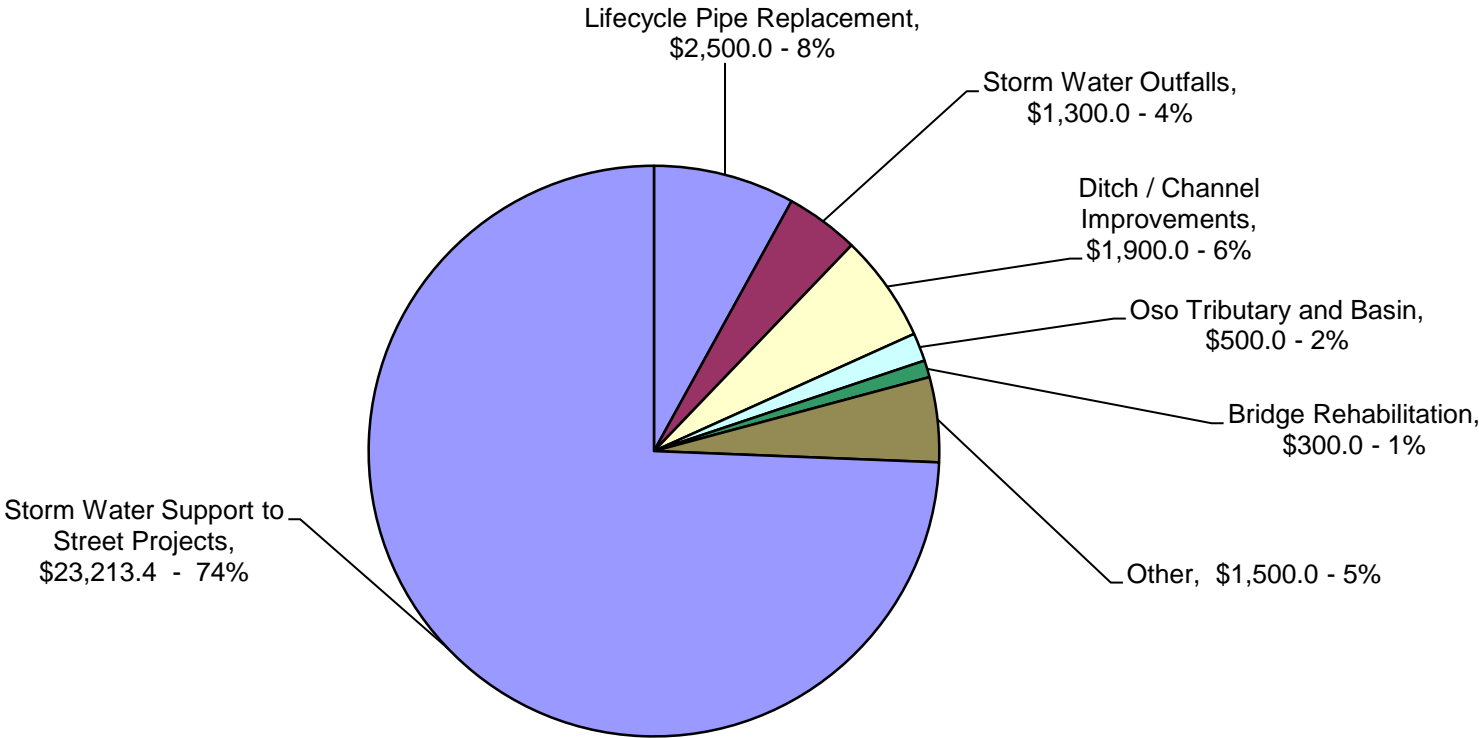
Over the next several years, the integrity of the City's Storm Water facilities will be improved through projects planned to provide additional capacity and infrastructure lifecycle management. In a proactive, rather than reactive approach, an evaluation of major and minor systems, outfall structures, and bridges, will result in a replacement schedule for the most severe problems needed to reduce overall maintenance challenges, reduce flooding and improve public safety. Additional work includes implementation of City-wide improvements to the existing major and minor ditches (concrete-lined and earthen), curb & gutter, and underground systems to increase water quality and pollution prevention as required by the City's Texas Pollutant Discharge Elimination System (TPDES) Permit.

In addition to the projects listed, the Storm Water Capital Improvement Program Budget includes over \$23.2 M in work to support city street projects that require upgrading or moving storm water mains. These projects include streets listed in the 2012 and 2014 General Obligation Bond Elections.

A recap of the budgeted expenditures includes:

	YEAR ONE 2016– 2017	YEAR TWO 2017 – 2018	YEAR THREE 2018 – 2019
TOTAL PROGRAMMED EXPENDITURES:	\$ 31,213,400	\$ 19,897,900	\$ 17,300,000
FUNDING:			
Storm Water Pay As You Go Transfer	\$ 1,195,300	\$ 0	\$ 0
New Debt (Revenue Bonds)	\$ 30,018,100	\$ 19,897,900	\$ 17,300,000
TOTAL PROGRAMMED FUNDS:	\$ 31,213,400	\$ 19,897,900	\$ 17,300,000

**Storm Water
Annual CIP: \$31,213.4
(Amounts in 000's)**



Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
SW 01	Lifecycle Pipe Rehabilitation and Replacement Finance and Engineering Number: E12146	258.3	49.3	2,500.0	2,500.0	2,500.0	7,500.0
SW 02	IDIQ Major Ditch Improvements Finance and Engineering Number: E12191	6.2	1,493.6	500.0	500.0	500.0	1,500.0
SW 03	Drainage Channel Excavation - Master Channel 31 Finance Number: 160092 Engineering Number: 2235	1,060.3	259.5	500.0	500.0	500.0	1,500.0
SW 04	Schanen Ditch Improvements, Phase 2 Finance and Engineering Number: E11073	918.4	1,337.7	500.0			500.0
SW 05	La Volla Creek Channel Excavation, Phase 1 Finance and Engineering Number: E10200	515.7	2,887.1		750.0		750.0
SW 06	Oso Creek Basin Drainage Relief Finance and Engineering Number: E10201	818.8	2,396.6	500.0	1,000.0		1,500.0
SW 07	Unanticipated Storm Water Capital Requirements Finance and Engineering Number: E12193	45.8	605.7	600.0	600.0	600.0	1,800.0
SW 08	Egyptian and Meadowbrook/USACE Mitigation Finance and Engineering Number: E12195	48.6	476.4				-

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
SW 09	Gollihar Outfall Repairs Finance and Engineering Number: E14039 / E12143	79.7	1,320.3	800.0			800.0
SW 10	Lifecycle Curb and Gutter Replacement Finance and Engineering Number: E14035	1,204.1	688.8	600.0	600.0	600.0	1,800.0
SW 11	Minor Channel Improvements Finance and Engineering Number: E14041 / E12198		600.0	400.0	400.0	400.0	1,200.0
SW 12	Storm Water Master Plan Update Finance Number: 2083 Engineering Number: 160270	1,637.1	1,947.8	250.0	250.0	-	500.0
SW 13	Major Outfall Assessment and Repairs Finance and Engineering Numbers: E12145, E13142, E13112	60.1	887.1	500.0	500.0	500.0	1,500.0
SW 14	Bridge Rehabilitation Finance and Engineering Number: E12199	0.5	999.5	300.0	400.0	500.0	1,200.0
SW 15	Developer Participation - Storm Water Finance and Engineering Number: E12201	0.1	349.9	50.0	100.0	200.0	350.0
Storm Water Program Sub-Total:		6,653.7	16,299.3	8,000.0	8,100.0	6,300.0	22,400.0

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
-------	--------------	---	---	-------------------------------------	-----------------------	-----------------------	---------------------

	*Utility Relocation Costs for Bond 2008	-	282.0	12.4	-	-	12.4
	*Utility Relocation Costs for Bond 2012	11,640.4	24,559.7	5,645.4	797.9	-	6,443.3
	*Utility Relocation Costs for Bond 2014	3,014.0	20.0	17,555.6	8,347.9	-	25,903.5
	Future Programmed Bond Utility Support	-	-	-	2,652.1	11,000.0	13,652.1

* relocation costs and funding reflected within each specific Streets Program

	TOTAL PROGRAMMED EXPENDITURES:	21,308.1	41,161.0	31,213.4	19,897.9	17,300.0	68,411.3
--	---------------------------------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

PROGRAM FUNDING SCHEDULE:

CURRENTLY AVAILABLE FUNDING:

	Revenue Bond	21,308.1	38,661.0	-	-	-	-
	Storm Water Capital Reserves	-	2,500.0	1,195.3	-	-	1,195.3

	Total Currently Available:	21,308.1	41,161.0	1,195.3	-	-	1,195.3
--	-----------------------------------	-----------------	-----------------	----------------	----------	----------	----------------

RECOMMENDED ADDITIONAL FUNDING:

	Revenue Bond	-	-	30,018.1	19,897.9	17,300.0	67,216.0
--	--------------	---	---	----------	----------	----------	----------

	TOTAL PROGRAMMED FUNDS:	21,308.1	41,161.0	31,213.4	19,897.9	17,300.0	68,411.3
--	--------------------------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

PROJECT DESCRIPTION

Department: **STORM WATER**

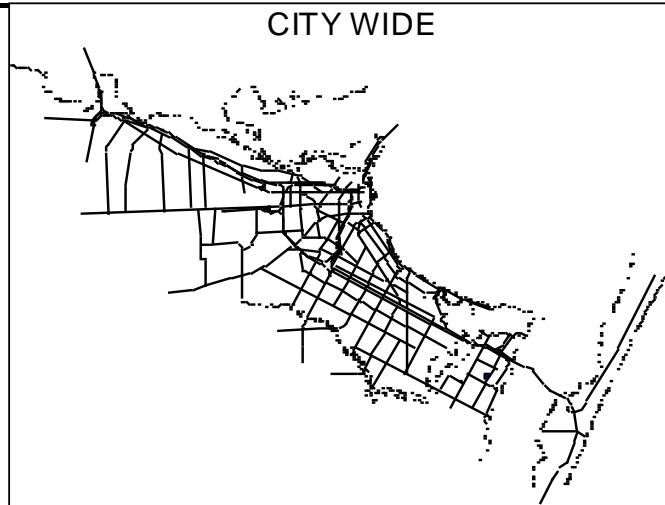
Sequence #01

PROJECT TITLE: Lifecycle Pipe Rehabilitation/Replacement

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

The purpose of this project is to systematically rehabilitate and / or replace aging storm water infrastructure city-wide. This project will assess the existing condition of clay pipe and other aging systems that have reached the end of their useful service life and rehabilitate/ replace as required. This project will be implemented in a phased approach as funding allows.



PROJECT NOTES:

Project No: E12146
 A/E Consultant: RFQ
 Contractor: In-House / Various
 Award Design: TBD
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	244.5		150.0	150.0	150.0	1,050.0	1,744,500
Construction			2,000.0	2,000.0	2,000.0	14,000.0	20,000,000
Contingency			200.0	200.0	200.0	1,400.0	2,000,000
Inspection/Other	13.8	49.3	150.0	150.0	150.0	1,050.0	1,563,100
TOTAL:	258.3	49.3	2,500.0	2,500.0	2,500.0	17,500.0	\$ 25,307,600
Source of Funds							
Revenue Bond	258.3	49.3	1,304.7	2,500.0	2,500.0	17,500.0	24,112,300
Pay As You Go			1,195.3				1,195,300
TOTAL:	258.3	49.3	2,500.0	2,500.0	2,500.0	17,500.0	\$ 25,307,600

OPERATIONAL IMPACT:

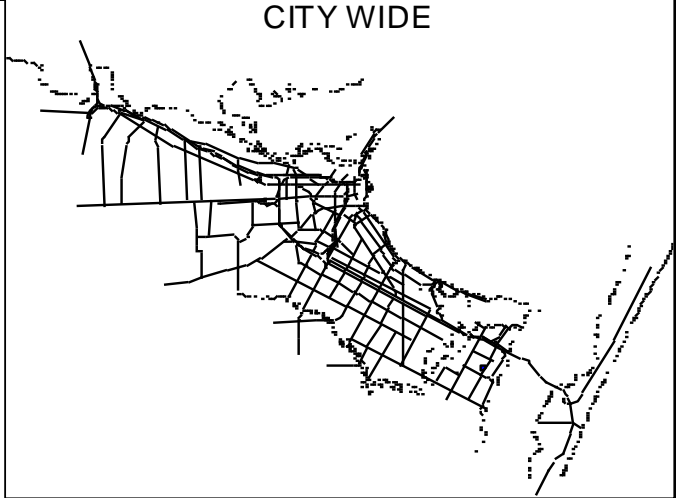
The extension of the service life of water mains is critical to ensuring the integrity of the system. This project itself does not increase revenue or decrease expenses, but it prevents the cost of maintenance from rising.

PROJECT DESCRIPTION

Department: **STORM WATER** Sequence #02

PROJECT TITLE: Indefinite Delivery Indefinite Quantity (IDIQ) Major Ditch Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative



PROJECT NOTES:	
Project No:	E12191
A/E Consultant:	Various
Contractor:	Various
Award Design:	On-Going
Award Construction:	On-Going
Anticipated Completion:	On-Going

DESCRIPTION:
 The City has approximately 100 miles of major ditches. As part of the programmatic approach to implement lifecycle improvements, this project will identify and prioritize ditch improvements to include re-grading, slope re-contouring and stabilization, pilot channels and concrete lining upgrades and other best management practices. These improvements will address critical upgrades to reduce flooding to public and private property, improve public safety, improve water quality and reduce long term maintenance costs. This is a yearly program which will address problems as funding allows.

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		120.0	40.0	40.0	40.0	280.0	520,000
Construction		1,200.0	410.0	410.0	410.0	2,870.0	5,300,000
Contingency		120.0	25.0	25.0	25.0	175.0	370,000
Inspection/Other	6.2	53.6	25.0	25.0	25.0	175.0	309,800
TOTAL:	6.2	1,493.6	500.0	500.0	500.0	3,500.0	\$ 6,499,800
Source of Funds							
Revenue Bond	6.2	1,493.6	500.0	500.0	500.0	3,500.0	6,499,800
TOTAL:	6.2	1,493.6	500.0	500.0	500.0	3,500.0	\$ 6,499,800

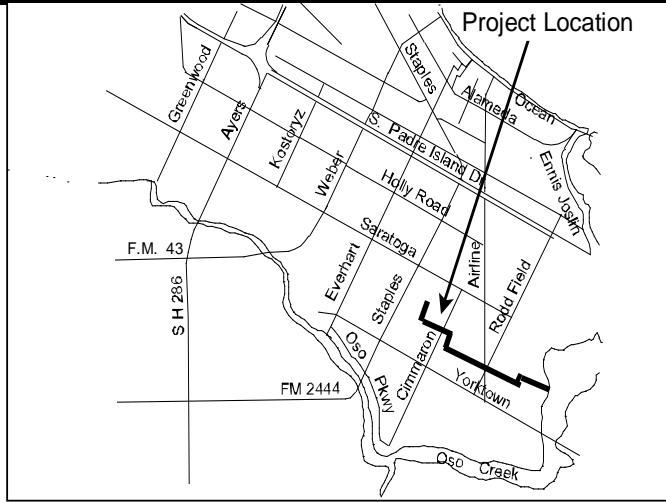
OPERATIONAL IMPACT:
 The extension of the service life of water mains is critical to ensuring the integrity of the system. This project itself does not increase revenue or decrease expenses, but it prevents the cost of maintenance from rising.

PROJECT TITLE: Drainage Channel Excavation – Master Channel No. 31

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)

DESCRIPTION:

Master Channel 31 was constructed in various phases in conjunction with the development in the area. The side slopes and bottom are severely eroded resulting in poor drainage and encroachment of ditch outside of the City right-of-way. This project will provide critical improvements to restore and improve the drainage profile and include erosion control measures such as side slope stabilization, soil treatment, vegetative cover and other best management practices. This project is planned in multiple phases as funding allows.



PROJECT NOTES:	
Finance Project No:	160092
Engineering Project No:	2235
A/E Consultant:	Freese Nichols
Contractor:	TBD
Award Design:	July 2011
Award Construction:	On-Going
Anticipated Completion:	On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	124.2		40.0	40.0	40.0		244,200
Construction	878.2	200.0	410.0	410.0	410.0		2,308,200
Contingency		20.0	25.0	25.0	25.0		95,000
Inspection/Other	57.9	39.5	25.0	25.0	25.0		172,400
TOTAL:	1,060.3	259.5	500.0	500.0	500.0	-	\$ 2,819,800
Source of Funds							
Revenue Bond	1,060.3	259.5	500.0	500.0	500.0		2,819,800
TOTAL:	1,060.3	259.5	500.0	500.0	500.0	-	\$ 2,819,800

OPERATIONAL IMPACT:

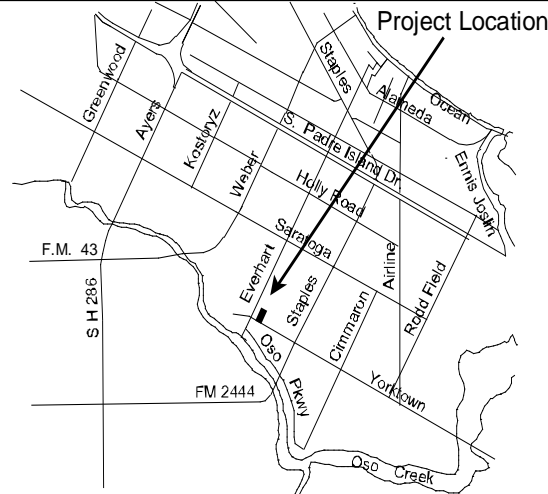
Restoration of channels and ditches is critical to avoid potential "washouts" that may result in encroachment, flooding and undermining of adjacent public/private structures including streets, bridges, utility lines, buildings, and homes. Additionally, fully funding rehab/construction of major channels ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the channel. The City complies with regulatory permits by using the following measures: pollution prevention, treatment or pollution removal, storm water monitoring and minimizing the introduction of pollutant into the municipal separate storm sewer system (MS4)

PROJECT TITLE: Schanen Ditch Improvements, Phase 2

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

The existing profile of Schanen Ditch exceeds the recommended slope of 4:1 and maximum of 3:1. This is resulting in major slope stabilization failure in multiple areas near the Yorktown Bridge. Work to improve this ditch will include excavation/backfill to widen and create 3:1 side slopes with stabilization matting, new culvert and outfalls, riprap and ditch bottom improvements, seeding, irrigation adjustments, traffic controls, dewatering and other miscellaneous items. Construction of Phase 1 of this project has been recently completed and future phases will be complete to the extent funding allows.



PROJECT NOTES:

Project No: E11073
 A/E Consultant: Freese Nichols
 Contractor: Various
 Award Design: On-Going
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	95.8	80.0	40.0				215,800
Construction	656.5	1,050.0	410.0				2,116,500
Contingency		100.0	25.0				125,000
Inspection/Other	166.1	107.7	25.0				298,800
TOTAL:	918.4	1,337.7	500.0	-	-	-	\$ 2,756,100
Source of Funds							
Revenue Bond	918.4	1,337.7	500.0				2,756,100
TOTAL:	918.4	1,337.7	500.0	-	-	-	\$ 2,756,100

OPERATIONAL IMPACT:

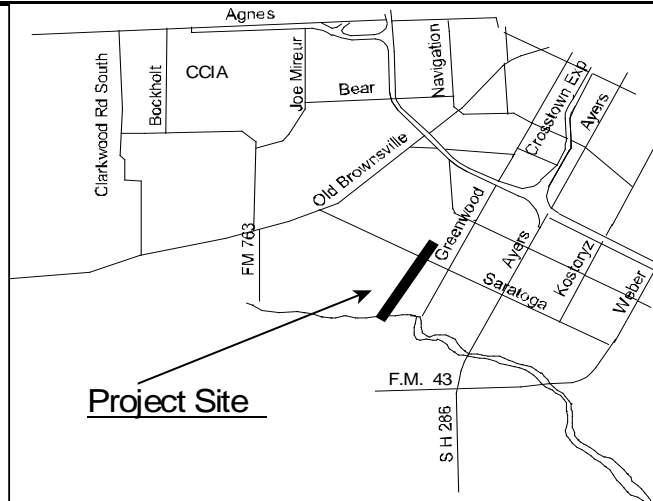
Restoration of channels and ditches is critical to avoid potential "washouts" that may result in encroachment, flooding and undermining of adjacent public/private structures including streets, bridges, utility lines, buildings, and homes. Additionally, fully funding rehab/construction of major channels ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the channel. The City complies with regulatory permits by using the following measures: pollution prevention, treatment or pollution removal, storm water monitoring and minimizing the introduction of pollutant into the municipal separate storm sewer system (MS4)

PROJECT TITLE: La Volla Creek Channel Excavation (Phase 1)

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

This project will involve the improvement of La Volla Creek that crosses SH 357 (Saratoga Blvd). The project will provide 100-year capacity for conveyance to the Oso Creek. Phase 1 Channel improvements include the removal of vegetation from the channel North of Saratoga Boulevard and channel widening South of Saratoga Boulevard.



PROJECT NOTES:

Project No: E10200
 A/E Consultant: Urban Engineering
 Contractor: TBD
 Award Design: Dec. 2011
 Award Construction: FY 2016
 Anticipated Completion: FY 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	397.5						397,500
Construction	90.9	2,500.0		650.0			3,240,900
Contingency		250.0		60.0			310,000
Inspection/Other	27.3	137.1		40.0			204,400
TOTAL:	515.7	2,887.1	-	750.0	-	-	\$ 4,152,800
Source of Funds							
Revenue Bond	515.7	2,887.1		750.0			4,152,800
TOTAL:	515.7	2,887.1	-	750.0	-	-	\$ 4,152,800

OPERATIONAL IMPACT:

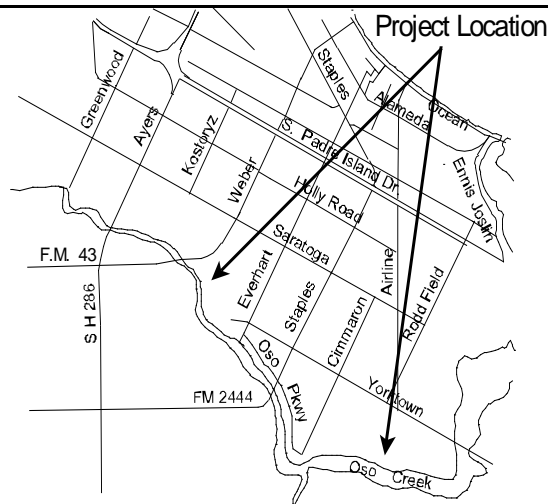
Restoration of channels and ditches is critical to avoid potential "washouts" that may result in encroachment, flooding and undermining of adjacent public/private structures including streets, bridges, utility lines, buildings, and homes. Additionally, fully funding rehab/construction of major channels ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the channel. This project also helps to relieve localized flooding along the creek.

PROJECT TITLE: Oso Creek Basin Drainage Relief

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

The drainage profiles of Oso Creek east of the La Volla Creek confluence shows several constrictions that impact the base flood elevations upstream. This project will investigate the feasibility of construction of additional creek conveyance capacity for high flow events. If the investigation shows a significant potential to impact the base flood elevation, then construction will be completed for those areas.



PROJECT NOTES:

Project No: E10201
 A/E Consultant: Naismith Engineering
 Contractor: TBD
 Award Design: Dec. 2011
 Award Construction: FY 2017
 Anticipated Completion: FY 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	737.6		450.0				1,187,600
Construction		2,000.0		850.0			2,850,000
Contingency		200.0		85.0			285,000
Inspection/Other	81.2	196.6	50.0	65.0			392,800
TOTAL:	818.8	2,396.6	500.0	1,000.0	-	-	\$ 4,715,400
Source of Funds							
Revenue Bond	818.8	2,396.6	500.0	1,000.0			4,715,400
TOTAL:	818.8	2,396.6	500.0	1,000.0	-	-	\$ 4,715,400

OPERATIONAL IMPACT:

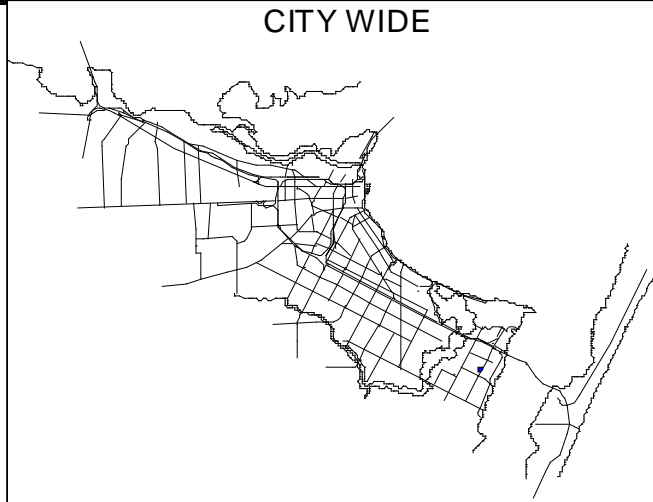
There are no operational impacts until proposed improvements are completed. At that point there will be additional operational cost for the maintenance of the improved drainage ways.

PROJECT TITLE: Unanticipated Storm Water Capital Requirements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

This project is programmed to support any unanticipated storm water capital requirements that may arise during the year and which have no designated funding source. This may include upgrades to storm water conveyance systems and infrastructure that are damaged after heavy rain or storm events, as well as other miscellaneous improvements.



PROJECT NOTES:

Project No: E12193
 A/E Consultant: Various
 Contractor: Various
 Award Design: On-Going
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction	36.6	605.7	600.0	600.0	600.0	3,500.0	5,942,300
Contingency							-
Inspection/Other	9.2						9,200
TOTAL:	45.8	605.7	600.0	600.0	600.0	3,500.0	\$ 5,951,500
Source of Funds							
Revenue Bond	45.8	605.7	600.0	600.0	600.0	3,500.0	5,951,500
TOTAL:	45.8	605.7	600.0	600.0	600.0	3,500.0	\$ 5,951,500

OPERATIONAL IMPACT:

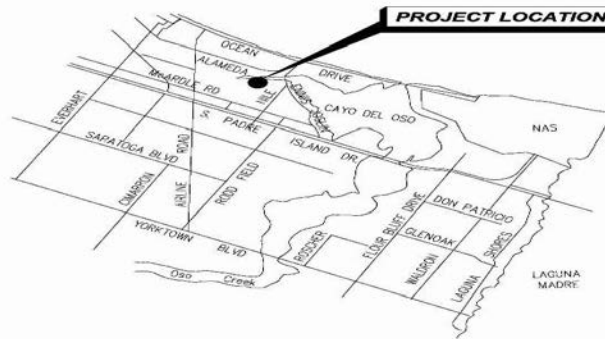
There are no operational impacts until proposed improvements are determined and completed.

PROJECT TITLE: Egyptian and Meadowbrook / USACE Mitigation

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

This project supports ongoing United States Army Corps of Engineers (USACE) permit monitoring and continuing mitigation associated with Meadowbrook Drainage Improvements and other projects as necessary. Work includes associated Egyptian Ditch improvements and Oso Lake monitoring in accordance with USACE requirements. Work will proceed as funding allows on a yearly basis.



PROJECT NOTES:

Project No: E12195
 A/E Consultant: Belaire Environmental
 Contractor: TBD
 Award Design: Oct. 2013
 Award Construction: N/A
 Anticipated Completion: N/A

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction	48.5	400.0					448,500
Contingency		40.0					40,000
Inspection/Other	0.1	36.4					36,500
TOTAL:	48.6	476.4	-	-	-	-	\$ 525,000
Source of Funds							
Revenue Bond	48.6	476.4					525,000
TOTAL:	48.6	476.4	-	-	-	-	\$ 525,000

OPERATIONAL IMPACT:

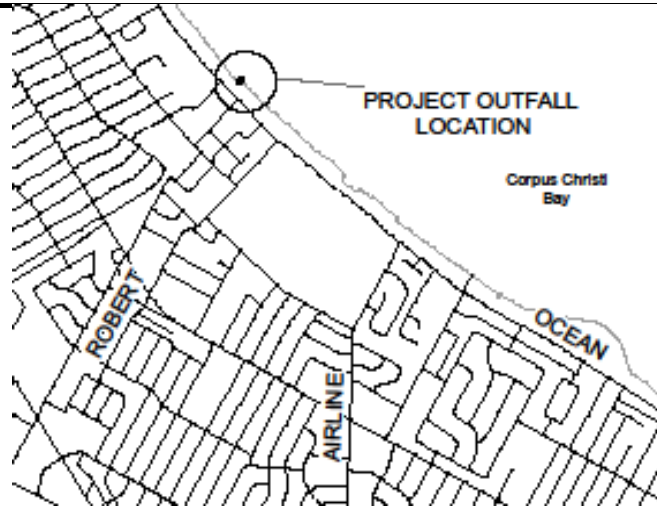
Restoration of channels and ditches is critical to avoid potential "washouts" that may result in encroachment, flooding and undermining of adjacent public/private structures including streets, bridges, utility lines, buildings, and homes. Additionally, fully funding rehab/construction of major channels ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the channel. The City complies with regulatory permits by using the following measures: pollution prevention, treatment or pollution removal, storm water monitoring and minimizing the introduction of pollutant into the municipal separate storm sewer system (MS4)

PROJECT TITLE: Gollihar Outfall Repairs

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

An assessment performed on the Gollihar Outfall in 2014 indicated repairs were needed to approximately 84 linear feet of concrete box culvert including seawall repairs and concrete pavement repair. Improvements to these areas will improve public safety and rehabilitate an aging storm water outfall that conveys runoff to drain into Corpus Christi Bay.



PROJECT NOTES:

Project No: E12143 / E14039
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: FY 2016
 Award Construction: FY 2017
 Anticipated Completion: FY 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		100.0					100,000
Construction	55.8	1,000.0	700.0				1,755,800
Contingency		110.0	50.0				160,000
Inspection/Other	23.9	110.3	50.0				184,200
TOTAL:	79.7	1,320.3	800.0	-	-	-	\$ 2,200,000
Source of Funds							
Revenue Bond	79.7	1,320.3	800.0				2,200,000
TOTAL:	79.7	1,320.3	800.0	-	-	-	\$ 2,200,000

OPERATIONAL IMPACT:

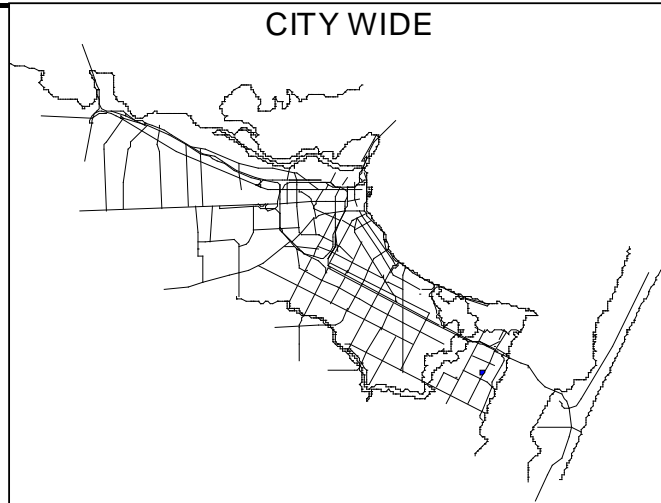
Restoration of storm water conveyance systems is critical to avoid potential "washouts" that may result in encroachment, flooding, and undermining of adjacent public/private structures including streets, bridges, utility line, building, and homes. Additionally, fully funding rehab/construction of drainage infrastructure ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the outfall.

PROJECT TITLE: Lifecycle Curb and Gutter Replacement

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

This is an ongoing project where damaged, rolled and failed curb and gutter is removed and replaced along with associated pavement repair through out the City. In addition to improving drainage, areas considered hazardous to vehicular or pedestrian traffic will receive priority. This project will address problematic areas on a yearly basis as funding allows. Curb replacements shall be designed to exceed a 20-year service life.



PROJECT NOTES:

Project No: E14035
 A/E Consultant: ECMS
 Contractor: Various
 Award Design: Sept. 14
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		50.0	35.0	35.0	35.0	245.0	400,000
Construction	154.7	550.0	500.0	500.0	500.0	3,500.0	5,704,700
Contingency	976.0	40.0	35.0	35.0	35.0	245.0	1,366,000
Inspection/Other	73.4	48.8	30.0	30.0	30.0	210.0	422,200
TOTAL:	1,204.1	688.8	600.0	600.0	600.0	4,200.0	\$ 7,892,900
Source of Funds							
Revenue Bond	1,204.1	688.8	600.0	600.0	600.0	4,200.0	7,892,900
TOTAL:	1,204.1	688.8	600.0	600.0	600.0	4,200.0	\$ 7,892,900

OPERATIONAL IMPACT:

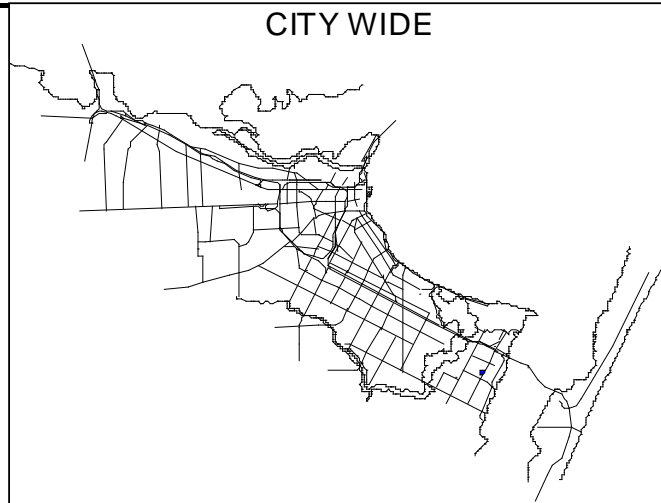
Replacing rolled, damaged and failed curb and gutters improve area drainage by re-establishing overland drainage flow paths. Identifying isolated sections of failed curb and gutter for replacement before more extensive repairs are required extends the service life and is key to minimizing future improvement costs.

PROJECT TITLE: Minor Channel Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

This yearly project will involve minor storm water conveyance improvements, rehab to critical concrete sections, re-contouring, excavation, clearing, upgrading box culverts, scour protection and other miscellaneous best management practices throughout the City to create a more positive drainage flow during low water conditions and rain events. These improvements will address critical upgrades to reduce flooding to public and private property, improve public safety, improve water quality, improve vector control and reduce long-term maintenance costs. Improvements will take place on a routine basis to the extent funding allows.



PROJECT NOTES:

Project No: E12198 / E14041
 A/E Consultant: Various
 Contractor: Various
 Award Design: On-Going
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		40.0	20.0	20.0	20.0	140.0	240,000
Construction		500.0	325.0	325.0	325.0	2,275.0	3,750,000
Contingency		40.0	30.0	30.0	30.0	210.0	340,000
Inspection/Other		20.0	25.0	25.0	25.0	175.0	270,000
TOTAL:		600.0	400.0	400.0	400.0	2,800.0	\$ 4,600,000
Source of Funds							
Revenue Bond		600.0	400.0	400.0	400.0	2,800.0	4,600,000
TOTAL:		600.0	400.0	400.0	400.0	2,800.0	\$ 4,600,000

OPERATIONAL IMPACT:

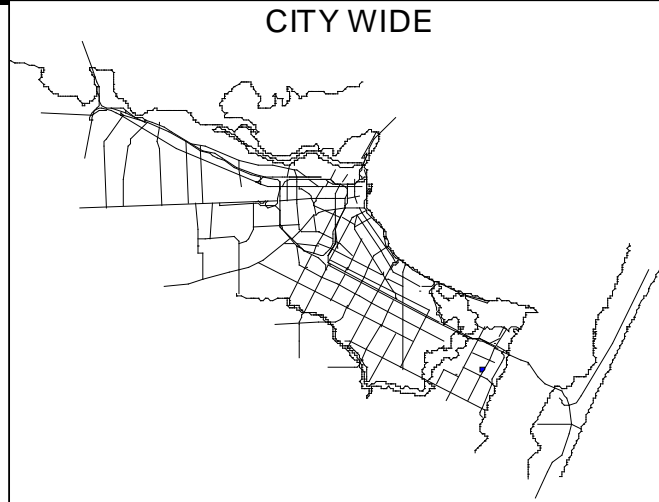
Restoration of channels and ditches is critical to avoid potential "washouts" that may result in encroachment, flooding and undermining of adjacent public/private structures including streets, bridges, utility lines, buildings, and homes. Additionally, fully funding rehab/construction of major channels ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the channel. The City complies with regulatory permits by using the following measures: pollution prevention, treatment or pollution removal, storm water monitoring and minimizing the introduction of pollutant into the municipal separate storm sewer system (MS4)

PROJECT TITLE: Storm Water Master Plan Update

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

The Storm Water Master Drainage Plan included proposed improvements for drainage infrastructure design to meet the drainage criteria for future conditions. This update project provides a cost benefit analysis for the proposed improvements of the Master Plan in terms of flooding and property damage. The project will moreover include a holistic framework for sustainability by looking at the triple bottom line of economic, social and environmental benefit of the proposed improvements from the Storm Water Master Drainage Plan. This next phase builds on the Master Plan to assess return on investment for proposed improvements both in terms of economics and sustainability and to assist in the prioritization of future major drainage improvements.



PROJECT NOTES:

Finance Project No:	2083
Engineering Project	160270
A/E Consultant:	CH2MHill
Contractor:	N/A
Award Design:	On-Going
Award Construction:	N/A
Anticipated Completion:	N/A

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	1,562.4						1,562,400
Construction		1,850.0	225.0	225.0			2,300,000
Contingency							-
Inspection/Other	74.7	97.8	25.0	25.0			222,500
TOTAL:	1,637.1	1,947.8	250.0	250.0	-	-	\$ 4,084,900
Source of Funds							
Revenue Bond	1,637.1	1,947.8	250.0	250.0			4,084,900
TOTAL:	1,637.1	1,947.8	250.0	250.0	-	-	\$ 4,084,900

OPERATIONAL IMPACT:

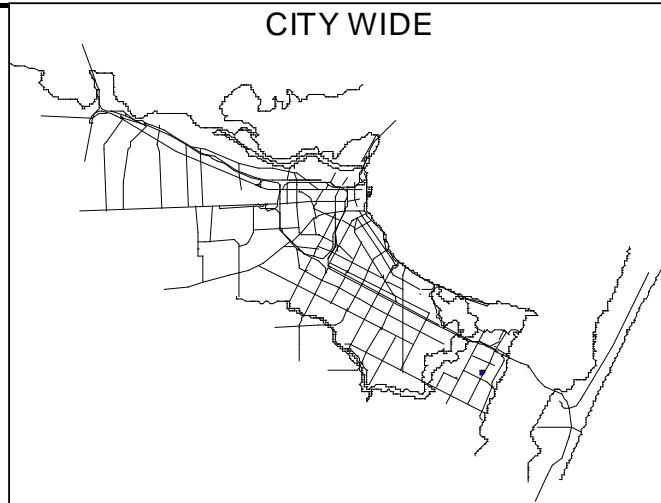
Prioritization of major drainage improvements considering level of service and return on investment could greatly impact the operating budget, but at this time the costs and / or potential savings are not available due to limited project scope.

PROJECT TITLE: Major Outfall Assessment and Repairs

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

There are eight major storm water outfalls and more than 100 other outfalls that allow runoff to drain into Corpus Christi Bay. In 2003, 13.5 miles of these outfall structures were inspected and improvements and repairs were made to four outfalls. (Alta Vista, Kinney Street, Power Street and Louisiana) The purpose of this current project is to provide an updated assessment, which may include the Brawner/Proctor and Gollihar outfalls and other outfalls, pending results of the initial assessment, and providing recommendations for repairs, improvements, and rehabilitation as necessary. Improvements will be implemented as funding allows.



PROJECT NOTES:

Project Nos: E13142 / E13112 / E12145
 A/E Consultant: HDR
 Contractor: TBD
 Award Design: June 2014
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	49.0		35.0	35.0	35.0		154,000
Construction		800.0	400.0	400.0	400.0		2,000,000
Contingency			40.0	40.0	40.0		120,000
Inspection/Other	11.1	87.1	25.0	25.0	25.0		173,200
TOTAL:	60.1	887.1	500.0	500.0	500.0	-	\$ 2,447,200
Source of Funds							
Revenue Bond	60.1	887.1	500.0	500.0	500.0		2,447,200
TOTAL:	60.1	887.1	500.0	500.0	500.0	-	\$ 2,447,200

OPERATIONAL IMPACT:

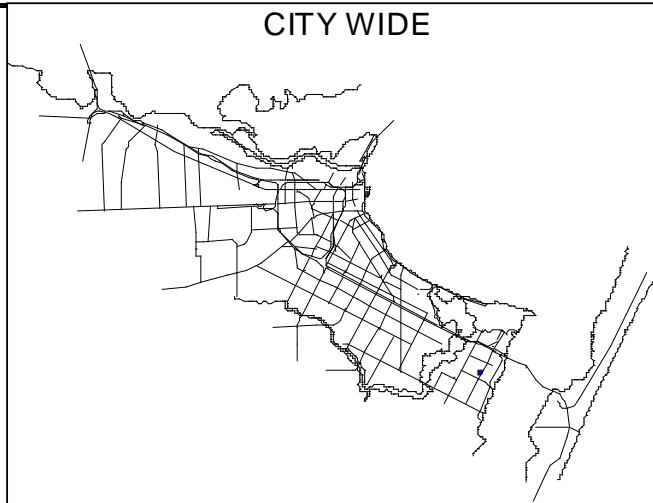
Restoration of storm water conveyance systems is critical to avoid potential "washouts" that may result in encroachment, flooding, and undermining of adjacent public/private structures including streets, bridges, utility line, building, and homes. Additionally, fully funding rehab/construction of drainage infrastructure ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the outfall.

PROJECT TITLE: Bridge Rehabilitation

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

The intent of this project is to develop a bridge asset management program. This project involves review of existing Texas Department of Transportation (TxDOT) On-System and Off-System Bridge and City of Corpus Christi bridge inventories and will also document the existence of other bridges that may not appear on either TxDOT or City inventories and provide a combined inventory. TxDOT On-System and Off-System inspection reports will be reviewed to develop a suggested bridge CIP program for the maintenance and recommended repairs. This project will also identify additional bridges that need to be added to the TxDOT inventory for inspection and develop a list of bridges for City inspection, and inspect city-inventory bridges.



PROJECT NOTES:

Project No: E12199
 A/E Consultant: LJA, Inc.
 Contractor: N/A
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			15.0	20.0	35.0	245.0	315,000
Construction		900.0	250.0	325.0	400.0	2,800.0	4,675,000
Contingency		54.0	20.0	30.0	40.0	280.0	424,000
Inspection/Other	0.5	45.5	15.0	25.0	25.0	175.0	286,000
TOTAL:	0.5	999.5	300.0	400.0	500.0	3,500.0	\$ 5,700,000
Source of Funds							
Revenue Bond	0.5	999.5	300.0	400.0	500.0	3,500.0	5,700,000
TOTAL:	0.5	999.5	300.0	400.0	500.0	3,500.0	\$ 5,700,000

OPERATIONAL IMPACT:

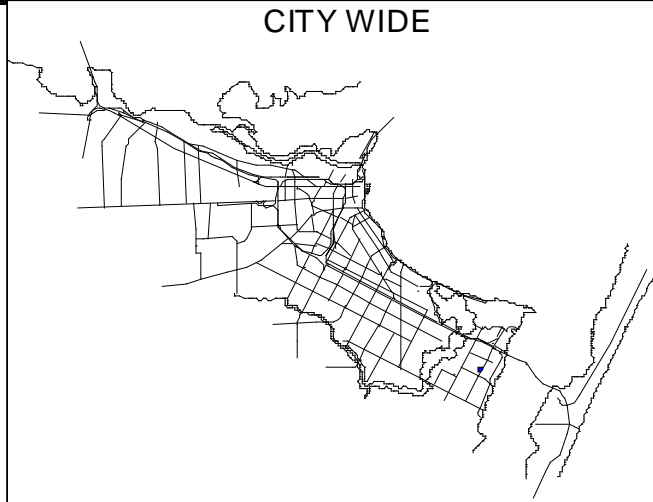
Identifying and prioritizing repairs is critical to avoid potential "cave-ins" that may result in undermining of adjacent public/private structures including streets, utility lines, buildings, and homes. Additionally, fully funding rehab/construction of bridges ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the bridge.

PROJECT TITLE: Developer Participation – Storm Water

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft); Sustainability Initiative

DESCRIPTION:

Under the Platting Ordinance, the City participates with developers on utility construction for over sized main lines. These funds may also be used to address development drainage concerns. This project will provide for the City's share of such projects, as necessary, up to the approved amount.



PROJECT NOTES:

Project No: E12199
 A/E Consultant: LJA, Inc.
 Contractor: N/A
 Award Design: N/A
 Award Construction: N/A
 Anticipated Completion: N/A

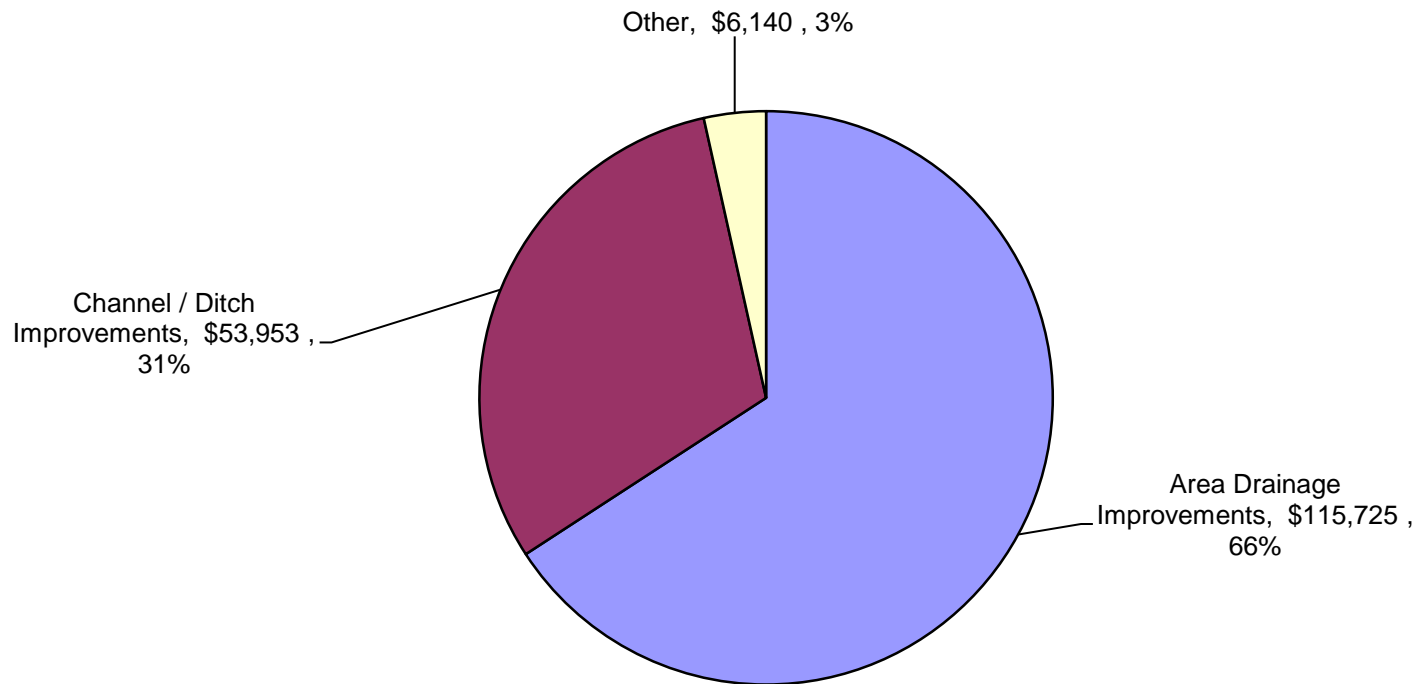
FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction		349.9	50.0	100.0	200.0	2,400.0	3,099,900
Contingency							-
Inspection/Other	0.1						100
TOTAL:	0.1	349.9	50.0	100.0	200.0	2,400.0	\$ 3,100,000
Source of Funds							
Revenue Bond	0.1	349.9	50.0	100.0	200.0	2,400.0	3,100,000
TOTAL:	0.1	349.9	50.0	100.0	200.0	2,400.0	\$ 3,100,000

OPERATIONAL IMPACT:

This item should increase storm water revenues through increased usage.

**Storm Water
Long-Range CIP: \$175,818.0
(Amounts in 000's)**



		<u>Long-Range Year</u>
1	<p><u>Ayers Street Drainage Improvements</u> <u>\$1,100,000</u></p> <p>The project limits are located within the Ayers Street right-of-way from Alexander Street south to Sunnybrook Road. This section of Ayers Street is an urban arterial roadway abutting commercial developments. The drainage system on the west side of the street varies from an open, grass lined ditch between the driveways to concrete culverts with small grate inlets and headwalls at the driveway locations. The drainage system on the east side of the street varies from asphalt paved swales to storm drains with small grate inlets. Both the east side and west side drainage systems on Ayers Street carry flow to the Gollihar Road intersection, with outfall into a 6' x 6' single box culvert flowing east on Gollihar Road. Ayers Street has asphalt pavement that is in poor to fair condition. This section of Ayers Street does not have curb or sidewalks except at the Gollihar Road intersection.</p>	4, 5, 6
2	<p><u>Belaire Park Subdivision Drainage Improvements</u> <u>\$8,500,000</u></p> <p>Belaire Park Subdivision is bordered by Blevins Street, Kostoryz Road, Norton Street and Annapolis Drive. The subdivision was built in the early 1940's with no underground drainage infrastructure, and drainage conveyance is by surface to inlet structures at street intersections. Curb subsidence, pavement cracking along the gutter line and silt and leaf deposit build-up in the gutter indicates area-wide ponding during minor storm events. Construction will include curb and gutter with tied sidewalk replacement or installation, curb inlets, and storm water collector pipes throughout the subdivision. Relocation of rear lot water and sanitary sewer services to the street right-of-way will be accomplished. Street pavement throughout the subdivision will be replaced. Proposed new trunk main collectors on Blevins Street and Norton Street will carry runoff from the neighborhood collector system.</p>	4, 5, 6, 7, 8, 9, 10
3	<p><u>Brighton Village Drainage Improvements</u> <u>\$3,000,000</u></p> <p>The Brighton Village, Units 3 and 4, subdivision located west of Cimarron and south of Saratoga experiences significant street flooding during heavy rain events. Preliminary analysis shows there are several contributing causes. The main cause is the light hydraulic grades in the Wooldridge Staples Channel downstream of Cimarron Blvd. This project includes the widening of the Wooldridge/Staples ditch from its intersection with the Mary Carroll ditch to the 10' x 6' reinforced concrete box at Cimarron. Additional box culverts will be installed under Airline Rd. The 'temporary' ditches between the subdivision and Saratoga Blvd. will be replaced with an underground system. Land Acquisition will be included in the project. Downstream improvements to the Mary Carroll Channel are essential to the success of this project.</p>	5, 6
4	<p><u>Castle River Drainage Improvements</u> <u>\$715,000</u></p> <p>Castle River Drainage Improvements: Currently this area experiences flooding during minor storm events. Two areas experience flooding: at the upstream end of the system (at McKenzie) and near the outfall of the system (at Castle Ridge). The upper end problem is lack of inlet capacity. The lower-end problem is hydraulic gradient. To resolve both areas additional storm sewer pipe and inlets would be installed. The main storm sewer would be lined to allow pressure flow.</p>	6, 7

5	<u>Central Park Subdivision Drainage Improvements</u>	<u>\$10,500,000</u>	6, 7, 8, 9
	<p>This project is bordered by Carroll Lane, Brawner Parkway, South Staples Street, Weber Road and Gollihar Road. It includes developments that were built between the late 1930's through the early 1950's. Consistent throughout the project area is the lack of any underground drainage infrastructure, the presence of curb subsidence, pavement cracking along the gutter line, and silt and leaf deposit build-up in the gutters indicating area-wide ponding during minor storm events. Runoff conveyance throughout the project area is marginal and principally conveyed by surface to inlet structures at street intersections.</p> <p>Construction will include curb and gutter replacement, selected driveway entrance replacement, and localized separated sidewalk replacement throughout the project area. Relocation of rear lot water and sanitary sewer services to the street right-of-way will be accomplished. Street pavement throughout the subdivision will be replaced. Parallel (with existing) trunk main collectors will be installed on Weber Road and South Staples Street to carry runoff from individual street storm sewer pipe extensions.</p>		
6	<u>Chula Vista Area Drainage Improvements</u>	<u>\$1,925,000</u>	6, 7
	<p>Chula Vista is bordered by Horne Road, Prescott Street, Gollihar Road and Greenwood Drive. Currently, this subdivision experiences flooding and standing water even during minor storm events. Outfall of the system is either west to a 5'x5' box culvert that terminates at Airport Ditch, or east to an existing 8'x6' box culvert under Horne Road that ultimately outfalls into Corpus Christi Bay. Construction will include storm sewer pipe extensions to drain the subdivision. Additional inlets and replacement of deteriorated curb and gutter, driveways and sidewalk will also be included. Existing water and sewer lines are old, waterlines are undersized, and both are located within inaccessible, overgrown, and fence-obstructed "paper" alleyways behind neighborhood homes. Since neighborhood streets will be under construction for the storm drain project, an opportunity to concurrently upgrade, upsize and relocate water and sewer lines to the street right-of-way will be taken.</p>		
7	<u>Cimarron Drainage Concrete Pilot Channel</u>	<u>\$1,178,000</u>	4, 5, 6
	<p>The project area lies in the southern portion of the City, south of Yorktown Blvd and east of Cimarron Blvd. The project specifically addresses approximately one mile of the channel south of Bill Witt Park to Oso Creek. The existing channel experiences severe erosion, creating water quality problems in the Oso and constant maintenance problems along the channel. This project proposes to regrade, stabilize and use concrete lining for the ditch section to improve drainage, reduce siltation and environmental concerns with water quality.</p>		
8	<u>CC Beach Drainage - Timon, Rincon Channel, CC Bay</u>	<u>\$5,000,000</u>	6, 7, 8, 9, 10
	<p>The project area lies between Corpus Christi Bay, Rincon Point, Breakwater Avenue, and West Causeway Boulevard. The area south of Breaker Avenue is divided by Highway 181 which runs south to north. The area is commercial and residential. Approximately 70 percent of the project area does not have curb and gutter. The two (2) trunk mains, east of Surfside Boulevard, are adequately sized for the five year storm event.</p>		
9	<u>Comfort Inn @ U.S. 77</u>	<u>\$500,000</u>	5
	<p>The continued development along U.S. 77 has created excess surface flows that require increased underground drainage structures.</p>		

- | | | | |
|----|---|---------------------|------------|
| 10 | Club Estates, Phase II (Box Culvert Extension to Everhart) | <u>\$500,000</u> | 4 |
| | <p>The project area lies in the southern portion of the City, along Everhart. The present ditch cross-section has steep side slopes confined to a narrow 90-foot right of way. The ditch is prone to erosion and slope failures. This project proposes to install an underground system in the same ROW and widen areas where sufficient ROW exist.</p> | | |
| 11 | Concrete Lined Channel Rehabilitation: Airport Ditch | <u>\$1,300,000</u> | 4, 5, 6 |
| | <p>Numerous major channels are constructed with concrete-lined sections for structural integrity for the channel and to accommodate excessive storm water flow velocities. This project provides rehab to critical sections to extend the design life and maintain the drainage flow line. The project is planned over multiple years to allow for design and construction in phases as funding allows. The most immediate need is rehab of the Airport Ditch which is the City's largest concrete ditch extending from approximately Saratoga Blvd. to just north of Horne Road. The concrete-lined portion of Airport Ditch requires major rehab where erosion has undermined structural integrity. Additional phases will continue as funding allows.</p> | | |
| 12 | Crestmont Subdivision Area Drainage Improvements | <u>\$3,300,000</u> | 6, 7, 8 |
| | <p>The scope of this project encompasses the section of Crestmont Subdivision that is bound by Holly Road (north), Kostoryz Road (east), Persimmon Street (south) and the Richter Ditch (west). This project consists of alleyways that are in deteriorated condition due to poor drainage. The asphalt pavement in the alleys has failed due to heavy vehicular traffic, which has caused the upheaval of the concrete curb and gutter. The existing storm water infrastructure consists of inlets located in the streets, which drain into the Richter Ditch or into the pipe network under Kostoryz Road. Construction will include storm sewer pipe extensions to drain the alleyways. Additional inlets and replacement of deteriorated curb and gutter, driveways and pavement will be included. The new network will tie into the system that drains to the Richter Ditch or to the 66" pipe under Kostoryz Road. Additionally, due to the heavy vehicular load on the alleyway pavement, the alleys will be replaced with concrete to minimize the recurrence of upheaval of the curb and gutter.</p> | | |
| 13 | Cullen Place Subdivision Drainage Improvements | <u>\$3,300,000</u> | 6, 7, 8 |
| | <p>This area is generally bordered by Airline Road, Cullen Ditch, Sheppard St. and McArdle Rd. and is characterized by surface runoff with little underground storm sewer pipe. Improvements will include additional underground storm sewer pipe, removal and replacement of selected sections of curb and gutter and additional outfall capacity.</p> | | |
| 14 | Cuiper/Portairs/Edgewood Park Drainage Improvements | <u>\$10,000,000</u> | 6, 7, 8, 9 |
| | <p>The Cuiper/Port Ayers/Edgewood Park project area is located east of the Crosstown Expressway, bounded on the north by Horne Road, the east by Kostoryz Road, the south by Gollihar Road, and the west by Ayers Street. Currently, the area experiences flooding and standing water during minor storm events due to lack of underground drainage infrastructure. Drainage conveyance is by surface to street intersection inlets in the area street boundary (i.e. Horne Road, Kostoryz Road, Gollihar Road and Ayers Street). The project area is in two phases, by drainage sub-basin east to west divided along Alexander Street. Construction will include curb and gutter with tied sidewalk replacement, local separated sidewalk and driveway entrance replacement, curb inlets and storm water collector pipes throughout the project area. Relocation of rear lot sanitary sewer services to the street right of way is included in the project scope. Street pavement throughout the area will be replaced. Proposed trunk main collector on Cuiper Street and Ramsey Street will carry neighborhood runoff to the Brawner Parkway drainage system as part of Phase 1.</p> <p>In Phase II, proposed neighborhood collectors between Kilgore Street and Ivy Lane will tie into the Gollihar Road box culvert.</p> | | |

15	Ditch / Channel Regrading, Excavation and Clearing	<u>\$1,225,000</u>	4, 5, 6, 7, 8, 9, 10
	This yearly project will involve minor re-contouring, excavation, clearing and other various improvements to ditches and channels throughout the City to create a more positive drainage flow during low water conditions and rain events. Improvements will take place on a routine basis to the extent funding allows.		
16	Drainage Channel Excavation – Clarkwood Ditch from Hwy 44 to Oso Creek	<u>\$5,250,000</u>	4, 5, 6
	The Clarkwood Ditch was initially constructed with steep side slopes with a capacity of less than a 25 year frequency storm. Since development has been slow in this area, siltation has occurred further reducing the capacity and slope failures in various areas. This project will provide a cross-section with 4:1 side slopes and a 25-year frequency capacity. Bottom stabilization and seeding will also be provided.		
17	Drainage Channel Excavation - LaVolla Creek/Margaret Kelley Channel Improvements	<u>\$17,500,000</u>	7, 8 11 - 15
	This project will involve the improvement of La Volla Creek that crosses S.H. 357 (Saratoga Blvd.) under a new bridge structure proposed by the Texas Department of Transportation. The project will include the acquisition of right-of-way as required and permits necessary to realign and provide channel enhancements to La Volla Creek, both north and south of Saratoga Boulevard to Oso Creek. The project will provide 100-year capacity in the channel. This project also includes cleaning and grading of the Saratoga Downs Ditch and Airport Ditch. Phase I includes the removal of vegetation from the channel in the vicinity and upstream of the bridge. Phase II includes the balance of the channel improvements.		
18	Drainage Channel Excavation - Master Channel No. 29	<u>\$2,200,000</u>	6, 7, 8
	Drainage Channel No. 29 was initially constructed with 2.5:1 side slopes and had a capacity of less than a 25 year frequency storm. Since development has been slow in this area, siltation has occurred further reducing the capacity. This project will provide a cross-section with 4:1 side slopes and a 25-year frequency capacity (Tributary area <500 acres). Bottom stabilization and seeding will also be provided.		
19	Drainage Channel Excavation - Master Channel No. 31	<u>\$500,000</u>	4
	Master Channel 31 was constructed in various phases in conjunction with the development in the area. The side slopes and bottom are severely eroded resulting in poor drainage and encroachment of ditch outside of the City ROW. This project will provide critical improvements to restore and improve the drainage profile and include erosion control measures such as side slope stabilization, soil treatment, vegetative cover and other best management practices. This project is planned in multiple phases as funding allows.		
20	Ebony Acres Subdivision Drainage Improvements	<u>\$2,500,000</u>	5, 6
	The Ebony Acres project area is bounded by North Padre Island Drive on the east, IH-37 to the north, Corn Products Road to the west, and Leopard Street along the south. The “Weil Ditch” conveys storm water flows from the area; the upstream end begins just south of Leopard Street and the outfall is to a multiple box culvert (3 - 5’ x 4’) under IH-37. The project addresses the Weil Ditch conveyance system by replacement of the open channel with a reinforced concrete box system: 2 – 10’ x 2’ box culverts from Leopard Street to Hampshire Road; 2 – 10’ x 4’ box culverts from Hampshire Road to Horizon Drive; and 3 – 10’ x 4’ box culverts from Horizon Drive to I-37. Work also includes filling the existing ditch and connecting existing storm sewer outlets to the closed system.		

21	<u>Greenwood Park Area Drainage Improvements</u>	<u>\$3,300,000</u>	6, 7, 8
	<p>The boundaries of Greenwood Park subdivision are Sycamore Place (north), Castenon Street (east), Trojan Drive (south), and Greenwood Drive (west). Currently, this subdivision experiences flooding and standing water even during minor storm events. The existing storm water infrastructure consists of a pair of inlets located at the western end of each street, which drain into the pipe network under Greenwood Drive. The storm sewer systems under Greenwood Drive and Trojan Drive combine at the intersection of these two streets, and outfall to Airport Ditch to the west through a 6' x 6' box. Construction will include storm sewer pipe extensions to drain the subdivision. Additional inlets and replacement of deteriorated curb and gutter, driveways, and sidewalk will be included. The current capacity of the storm sewer system under Greenwood Drive and Trojan Drive is inadequate and will require additional conveyance capacity.</p> <p>Phase One of this project has been completed. Phase Two consists of the upgraded system under Greenwood Drive and includes the connector pipes to the neighborhood streets, which the neighborhood network will tie into. Phase Three includes the entire neighborhood system; streets draining this area are Blackjack Place, Sycamore Place, Birch Place, Hemlock Place, Hickory Place, and Bois D'Arc Place.</p>		
22	<u>Gollihar Drive System - Ayers to Ocean Drive</u>	<u>\$500,000</u>	4
	<p>This project provides for the upgrade of the Gollihar Road drainage system to convey the discharge of a 100-year frequency rainfall event. The existing underground storm drain system is approximately 40 years old and begins at Prescott Street, runs along Gollihar Road to Marie Street, turns and continues to the northeast crossing Staples Street, Alameda Street, and Ocean Drive, to outfall into Corpus Christi Bay. The system is undersized and cannot convey the discharge from storms of any significant magnitude.</p>		
23	<u>Herford Road Storm Drainage Improvements</u>	<u>\$500,000</u>	5
	<p>The boundaries of this project are Leopard Street on the north, Agnes Street on the south, McBride Street on the east, and Highway 358 on the west. Hereford Road runs south to north approximately in the center of this mainly industrial area. The existing drainage is into ditches on either side of Hereford Road, which drain to a single 18" pipe near the south end of the area. This pipe runs east and ties into a storm drainage system on McBride Street. Construction includes replacement of existing ditches with closed conduits (approximately 4,000 linear feet on the east and west ROW of Hereford Road between Agnes Street and Leopard Street). A 66" diameter, 750' long trunk main collector will cross Leopard Street and connect to an existing 6' x 5.5' box culvert at the McBride Lane intersection.</p>		
24	<u>Downtown Drainage Improvements, Phase 3 (Hughes St. Pump Station Interceptor & Discharge)</u>	<u>\$25,500,000</u>	11 - 15 Not Included in Total
	<p>Phase 3 is the final design phase to alleviate the flooding in the Arena and Port areas. This project is being phased into three parts including: Phase 3A – Construction of a new automated pump station to screen and pump approximately 1,100 CFS of storm water to the Ship Channel; Phase 3B - Hughes Street Box Culvert and Pump Station Discharge, construction of 220 linear feet of twin 6' x 5' box culvert to collect storm water from the ditch located west of the Harbor Bridge and deliver it to the new Hughes Street Pump Station and from the new Hughes Street Pump Station to the Ship Channel; Phase 3C Mesquite Street Box Culvert – construction of 3 box culverts to divert flows from Power Street Pump Station to the new Hughes Street Pump Station. Construction will take place over several years as funding allows.</p>		

25	<u>Inwood Village Area Drainage Improvements</u>	<u>\$5,500,000</u>	6, 7, 8
	<p>The Inwood Village subdivision is bounded by Gollihar Rd, Crosstown Expressway, Trojan Dr. and Prescott St. Although there are underground storm sewers in Prescott, Vestal, and Garden Dr., drainage in the area is predominately surface flow along the gutters. The pavement of the area streets is in fair to good condition. However, the gutters are uneven with many sunken or heaved areas. This project will add additional internal drainage, full pavement replacement and ½ curb and gutter and driveway replacement is included. The bulk of this area drains to the upstream end of the Gollihar system. Improvements in the form of increased capacity are needed to that system in order for the drainage systems in this area to function properly.</p>		
26	<u>Lamar Park Subdivision Area Drainage Improvements</u>	<u>\$2,750,000</u>	6, 7, 8
	<p>This area is bordered by Santa Fe Street, Everhart Road, Alameda Street and Brawner Parkway and is characterized by surface runoff with little underground storm sewer pipe. The area drains from Alameda Street toward Santa Fe Street. Extension of the under-ground storm sewer system into the subdivision will be necessary to reduce gutter flow distances. Improvements will also include removal and replacement of selected sections of curb and gutter and additional outfalls.</p>		
27	<u>Lindale Phase II Neighborhood Drainage Improvements</u>	<u>\$1,500,000</u>	4, 5, 6
	<p>The Lindale Area Subdivision experienced frequent flooding during nominal rain events. Previous phases of this project extended a large underground box culvert from Shoreline Blvd. to Reed Drive. This phase of the project provides for extension of the drainage trunk main and new laterals with inlets to reduce flooding.</p>		
28	<u>Lindale Senior Center Drainage Improvements, Phase 3</u>	<u>\$1,500,000</u>	4, 5, 6
	<p>Lindale Drainage Phase 3A will provide drainage relief for the next phase of the Lindale Area Drainage Improvements. The project will result in the drainage improvements to serve McCall Street and the Lindale Senior Center. Drainage will connect to previously installed drainage improvements on Reid Street that drain into the Alameda Drainage Basin. The project will result in the installation of 24-in, 30-in, 36-in and 48-in RCP storm water mains, manholes, inlets, McCall Street reconstruction, water system improvements, curb ramps, sidewalks, driveway ramps, and other improvements necessary to complete the project.</p>		
29	<u>Major Ditch Improvements</u>	<u>\$7,000,000</u>	4, 5, 6, 7, 8, 9, 10
	<p>The City has approximately 100 miles of major ditches. As part of the programmatic approach to implement lifecycle improvements this project will identify and prioritize ditch improvements to include regrading, slope recontouring and stabilization, pilot channels and concrete lining upgrades and other best management practices. These improvements will address critical upgrades to reduce flooding to public and private property, improve public safety, improve water quality and reduce long-term maintenance costs. This is a yearly program which will address problems as funding allows.</p>		
30	<u>Mansheim Area Drainage Improvements</u>	<u>\$6,650,000</u>	4, 5, 6, 7, 8, 9
	<p>The Mansheim Area Subdivision experienced frequent flooding during nominal rain events. Previous phases of this project extended the underground trunk main system to Mansheim Road. This phase of the project provides for extension of the drainage trunk main and new laterals with inlets to reduce flooding.</p>		

31	<u>Magee Drainage Ditch Improvements</u>	<u>\$1,000,000</u>	4
	<p>The project limits of the Magee Drainage Ditch Improvements extend from Up River Road approximately 2500 feet north to the Nueces River, and from Sharpsburg Road approximately 1500 feet east to Magee Lane. The project vicinity includes the area designated as the Pollywog Pond Nature Sanctuary (PPNS). Magee Ditch begins at the box culvert outfall on the north side of Interstate Highway 37, and carries the flow north from this point toward Up River Road. Homeowners in the area have reported repeated incidents of flooding on their property due to backwater in Magee Ditch and additional floodwater coming from the west along the south border of PPNS toward Magee Ditch. The floodwater is reportedly coming from overtopping of the Railroad Ditch. A new grass lined ditch is proposed between the Railroad Ditch and Magee Ditch, along the south border of the PPNS and north of the gas pumping station and wastewater lift station. The direction of flow will be east. A concrete spillway is proposed to feed overflow from the Railroad Ditch into this new ditch.</p>		
32	<u>McNorton Channel Improvements, Phase 2</u>	<u>\$7,000,000</u>	4, 5, 6, 7, 8, 9
	<p>McNorton Subdivision is located south of Leopard Street, east of Rand Morgan Road, and west of Clarkwood Road. Phase I, McNorton Channel improvements, were completed under a previous project. Phase II of the project improves the inlet section of the 30" RCP that drains the area north of the subdivision. The pipe runs under Blanco Road and outfalls into McNorton Ditch. The inlet has an end treatment which has been collecting trash and debris from the agricultural field located north of the subdivision; when plugged, the water spills over the embankment and floods the nearby homes. To relieve inlet plugging, three debris deflectors will be installed. Construction will include excavation to widen the channel to the north of the existing inlet, and to construct a swale between lots 1 and 25 on the northern side of McNorton Road.</p>		
33	<u>Meadowbrook Subdivision Drainage Improvements</u>	<u>\$1,000,000</u>	6, 7, 8, 9
	<p>The Meadowbrook Subdivision experiences flooding during nominal rain events. Work could include the extension of the drainage trunk main and new laterals with inlets to reduce flooding.</p>		
34	<u>Minor Storm Drainage Improvements</u>	<u>\$2,800,000</u>	4, 5, 6, 7, 8, 9, 10
	<p>The City has approximately 14 miles of minor ditches. As part of the programmatic approach to implement lifecycle improvements this project will identify and prioritize ditch improvements to include regarding, slope re-contouring and stabilization, pilot channels and other best management practices. These improvements will address critical upgrades to reduce flooding to public and private property, improve public safety, improve water quality, improve vector control and reduce long-term maintenance costs. This is a yearly program that addresses areas to be improved as funding allows.</p>		
35	<u>Oso Place Subdivision Drainage Improvements</u>	<u>\$4,800,000</u>	7, 8, 9, 10
	<p>This area is generally bordered by Whitaker Dr., Oso Golf Course, Woodlawn St., and McArdle Rd. and is characterized by surface runoff with little underground storm sewer pipe. Improvements will include additional underground storm sewer pipe, removal and replacement of selected sections of curb and gutter and additional outfall capacity.</p>		
36	<u>Parkdale Village Subdivision Drainage Improvements</u>	<u>\$3,300,000</u>	7, 8, 9
	<p>This subdivision is bounded by Gollihar Rd., Mildred Dr., Totton Dr., and French Dr. The area is characterized by surface runoff with minimal underground drainage systems. This project will install addition drainage systems to relieve the existing system and provide adequate system capacity.</p>		

37	<u>Ramfield Road Drainage Improvements</u>	<u>\$150,000</u>	4
	A minimal drainage system consisting of shallow roadside ditches and a natural swale across private property currently serve this area. Improvements proposed include excavation of a channel to serve the area as well as underground pipe system to drain the roadside ditches to the new channel. Drainage easements to accommodate the new improvements will be required.		
38	<u>Reflections Park Drainage Improvements</u>	<u>\$275,000</u>	4, 5
	The existing drainage system is comprised of open channels/ditches with some underground drainage systems. The open ditches experience severe erosion creating problems in the park and drainage problems upstream.		
39	<u>Sam Houston Subdivision Drainage Improvements</u>	<u>\$9,600,000</u>	7, 8, 9, 10
	Sam Houston Subdivision is bordered by Norton Street, Kostoryz Road, Brawner Parkway and Ramsey Street. The subdivision was built in the early to mid 1950's with no underground drainage infrastructure, and drainage conveyance is by surface alone to inlet structures at street intersections. Curb subsidence, pavement cracking along the gutter line and silt and leaf deposit build-up in the gutter indicates area-wide ponding during minor storm events. Construction will include curb and gutter with tied sidewalk replacement or installation, driveway entrance replacement, curb inlets, and storm water collector pipes throughout the subdivision. Relocation of rear lot water and sanitary sewer services to the street right-of-way will be accomplished. Street pavement throughout the subdivision will be replaced. Underground storm sewer pipe extension to the north will connect to the Norton Street trunk main at street intersections from Wynwood Drive to Brentwood Drive. A similar underground storm sewer pipe extension system will drain the subdivision to the south. Extensions of pipe will connect the Brawner Ditch box culvert at each street intersection between Wynwood Drive and Brentwood Drive.		
40	<u>Schanen Ditch Improvements</u>	<u>\$7,000,000</u>	4, 5, 6, 7, 8, 9, 10
	The existing profile of Schanen Ditch exceeds the recommended slope of 4:1 and maximum of 3:1. This is resulting in major slope stabilization failure in multiple areas near the Yorktown Bridge. The work includes major ditch improvements with excavation/backfill to widen and create 3:1 side slopes with stabilization matting, new culvert and outfalls, riprap and ditch bottom improvements, seeding, irrigation adjustments, traffic controls, dewatering and miscellaneous items according to the plans and specifications.		
41	<u>Solar Estates Drainage Improvements</u>	<u>\$20,000,000</u>	11-15 Not Included in Total
	Solar Estates Subdivision which was built in the 70's is located south of IH 37, east of Rand Morgan Road and north of Leopard Street. Drainage conveyance for this subdivision is characterized by surface flow with no underground drainage infrastructure. Currently, the subdivision experiences flooding and standing water even during minor storm events. Existing outfall is either south to a roadside ditch along Leopard Street or north to an existing box culvert under IH 37, with existing inlets and storm drain pipe servicing each outfall. A hydraulic analysis is necessary to determine the conveyance of surface flow through underground storm drainage pipes and possible additional outfall capacity to existing roadside ditches. Future construction will include storm sewer pipe extensions, additional inlets, replacement of deteriorated curb and gutter, driveways and sidewalk.		

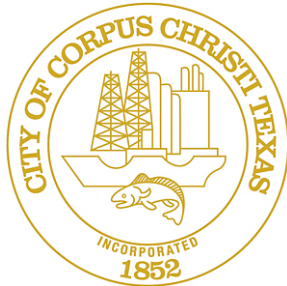
42	Support of Downtown Redevelopment Projects - Storm Water Line Adjustments	<u>\$350,000</u>	4, 5, 6, 7, 8, 9, 10
	This project is programmed to support redevelopment in the Downtown area. As projects in the downtown area materialize, this project will provide required funding to complete the storm water component. Work could include curb and gutter replacements, new inlets and underground drainage pipes, as necessary and as funding allows.		
43	Unanticipated Storm Water Requirements	<u>\$700,000</u>	4, 5, 6, 7, 8, 9, 10
	These are the storm water funds to be made available on a yearly basis for unanticipated projects or emergencies.		
44	Utica Street Drainage Improvements	<u>\$900,000</u>	4, 5
	This area is prone to frequent flooding with nominal storm events. The drainage system requires increased capacity for the inlets and underground system.		
45	Utility Developer Participation - Storm Water	<u>\$2,450,000</u>	4, 5, 6, 7, 8, 9, 10
	Under the Platting Ordinance, the City participates with developers on utility construction for oversized main lines. This project will provide for the City's share of such projects as necessary up to the approved amount.		
46	Utility Building Expansion	<u>\$1,490,000</u>	4, 5
	This project will provide a facility assessment and space utilization study for the Utility Building. To support the continued growth of the City, new regulatory requirements combined with the increased demands with an aging infrastructure, and increased responsibilities, has forced the operating departments to increase staff. The existing facility is now insufficient to support the operational needs of the departments. The current facility negatively impacts mission, quality of life and personnel safety, and increases operational costs. The departments are forced to assign staff to other City buildings, procure off-site rental space, use "Temporary" trailers since 2004, and sacrifice equipment staging area for these trailers.		
47	Village on the Green Area Drainage Improvements	<u>\$3,100,000</u>	4, 5, 6, 7, 8, 9, 10
	Village on the Green is located north of Bear Lane and west of Navigation Boulevard. Currently, this subdivision experiences flooding and standing water during minor storm events. The subdivision was built in the early 1970's with no underground drainage infrastructure, and drainage conveyance is by surface to shallow concrete swales at the end of sixteen cul-de-sacs. These sixteen swales drain to overland swales or post inlets located in common areas behind and between the lots. The post inlets convey the water through existing 18" and 36" reinforced concrete pipes, and outfall to the Enterprise Drainage Ditch, which runs along the western edge of the development. The majority of the curb and gutter and driveway entrances have settled, contributing to significant ponding and pavement deterioration throughout the subdivision. Construction will include storm sewer pipe extensions, additional inlets, and replacement of deteriorated curb and gutter and driveways. One major trunk line (21" - 60") will be added (Phase I), and the two existing trunk lines will be upgraded in capacity (15" - 36" and 27" - 48") and extended further upstream than the current reach.		

48	<u>West Broadway Drainage Improvements</u>	<u>\$1,000,000</u>	4
	A 42-inch diameter line crosses W. Broadway at Cabra St. This line previously drained into a swale along a railroad spur line to Tancahua St. With the removal of the spur line and abandonment of the railroad right of way, the property owner has filled in the swale. Water from this pipe now flows into the Broadway Treatment Plant property causing flooding problems. Phase I will extend a pipe from West Broadway to the existing 36-inch line at Resaca and US 181 Right of way. Phase II will provide a parallel line along Resaca from US 181 to the Trunk Main in Water St.		
49	<u>Williams Drive Channel Improvements</u>	<u>\$8,000,000</u>	11 - 15 Not Included In Total
	This project will increase the drainage outfall capacity east of Rodd Field Road/Williams Street intersection to the Cayo Del Oso Development in the tributary area. Improvements to the Williams Drive storm sewer system, as part of a street improvement project, will generate additional storm water flows. The channel will be widened to accommodate a 100-year frequency storm. The concrete apron at the Rodd Field Road storm sewer box will be extended to provide erosion protection. Right of way acquisition is a major part of this project. Phase I is the design and survey. Phase II is the right of way acquisition and construction.		
50	<u>Williams Drive Outfall Project (Construction)</u>	<u>\$3,750,000</u>	4
	This project is part of the Bond 2008 Williams Drive Project and is necessary to accommodate the projected storm water flows. This project provides for the "off-site" drainage improvements required to convey the storm water from the project site to the receiving outfall waters. These improvement are necessary to move the additional flows associated with the street and other storm water improvements such as curb & gutter, inlets and underground drainage.		
51	<u>Willow/Brawner Parkway/Proctor Channel Outfall, Phase I</u>	<u>\$5,760,000</u>	4, 5, 6
	The Gollihar Storm Box System and Brawner Parkway/Proctor Channel Systems have combined drainage of over 5,000 acres. A previous study of this system established the need for a phased approach to interconnect adjacent basins to relieve the excess flows and improve overall drainage.		
52	<u>Windsor Park/Claremont Subdivision Drainage Improvements</u>	<u>\$11,200,000</u>	7, 8, 9, 10
	This area is generally bounded by Alameda, Airline, Gollihar and Everhart and is characterized by surface runoff with little underground storm sewer pipe. A hydraulic analysis is indicated to determine the extent of underground pipe necessary and the capacity of the existing outfall(s) for the area. Improvements will include additional underground storm sewer pipe and additional outfall capacity. Reconstruction of streets within the Windsor Park Subdivision will be necessary to achieve proper drainage.		
TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:		<u>\$175,818,000</u>	



WATER SUPPLY

Obligation to the Future



CITY OF CORPUS CHRISTI WATER SUPPLY PROGRAM

Water Supply projects are designed to maintain the City's existing water supply facilities and to provide additional delivery facilities and supply sources. Corpus Christi's primary water supply is the Choke Canyon / Lake Corpus Christi Reservoir System within the Nueces River Basin. These reservoirs are fed by the Nueces, Frio and Atascosa Rivers. The upper reaches of these rivers flow through the Edwards Aquifer Recharge Zone. Additional water is supplied through Lake Texana via the Mary Rhodes Pipeline. The Mary Rhodes Pipeline was completed in September, 1998 and extends 101 miles from Lake Texana, near Edna, Texas. The pipeline delivers water to the ON Stevens Water Treatment Plant (ONSWTP) in Corpus Christi.

In 1992, the City entered into an option agreement for the purchase of 35,000 acre-feet per year of water rights in the Colorado River from the Garwood Irrigation Company. Use of the water requires routing transmission facilities from the Colorado River to the Mary Rhodes Phase 1 Pipeline at a point just downstream of Lake Texana. In February 2014, two construction contracts were awarded to complete the Mary Rhodes Water Supply Pipeline, Phase 2. This project is anticipated to be complete in early Fiscal Year 2017.

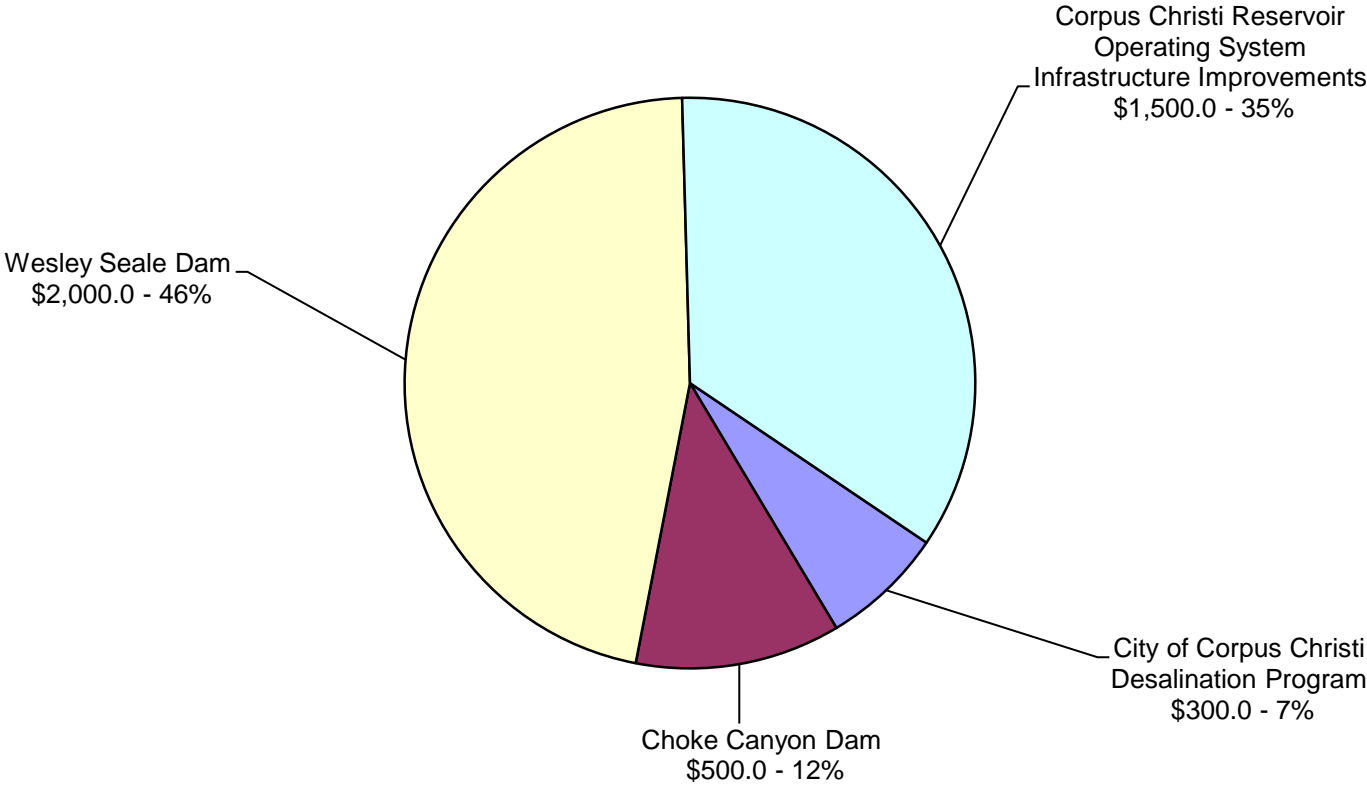
A second project to ensure the City's future water supply is the City of Corpus Christi Desalination Program. This project consists of three phases and will result in a Demonstration Project to site, construct and implement a test desalination plant operating at 200,000 gallons per day. The assessment will be on-going for just over 2 years and the information will be shared with various interested agencies. The City has received one grant to subsidize the project and is in the process of identifying and applying for additional grants to share in the pilot project cost.

A third project started in late FY 2016 is the Aquifer Storage and Recovery (ASR) Feasibility Study. ASR is a long-term water supply strategy to effectively integrate the City's regional water supply system to achieve long-range water planning goals.

A recap of the budgeted expenditures includes:

EXPENDITURES:	YEAR ONE 2016 – 2017	YEAR TWO 2017– 2018	YEAR THREE 2018 – 2019
TOTAL PROGRAMMED EXPENDITURES:	\$ 4,300,000	\$ 6,200,000	\$ 10,500,000
FUNDING:			
Raw Water Supply Fund	\$ 300,000	\$ 200,000	\$ 0
Choke Canyon Trust Fund	\$ 500,000	\$ 0	\$ 0
New Debt (Revenue Bonds)	\$ 3,500,000	\$ 6,000,000	\$ 10,500,000
TOTAL PROGRAMMED FUNDS:	\$ 4,300,000	\$ 6,200,000	\$ 10,500,000

**Water Supply
Annual CIP: \$4,300.0
(Amounts in 000's)**



Seq #	Project Name	Project-to-Date Obligations April 2015	Unspent Prior Budget as of May 2015	CIP Budget Year 1 2015 - 2016	Year 2 2016 - 2017	Year 3 2017 - 2018	Three Year Total
WS 01	Mary Rhodes Water Supply Pipeline, Phase 2 Finance and Engineering Number: E10008	153,462.3	13,961.7				-
WS 02	City of Corpus Christi Desalination Program Finance and Engineering Number: E13063	747.7	1,611.7	300.0	200.0		500.0
WS 03	Choke Canyon Dam Spillway Gate Rehabilitation Finance and Engineering Number: E14043	3,209.0	1,046.0	500.0			500.0
WS 04	Wesley Seale Dam Instrumentation Testing and Replacement Finance Number: 8663 Engineering Number: 180548	50.6	800.0	2,000.0	2,500.0	500.0	5,000.0
WS 05	Mary Rhodes Pipeline Phase 1 Segment 1 Unit Installation Finance and Engineering Number: E13037	5.3	694.6		2,000.0	7,500.0	9,500.0
WS 06	Corpus Christi Reservoir Operating System Infrastructure Improvements Finance and Engineering Number: E13050	0.1	1,499.9	1,500.0	1,500.0	1,500.0	4,500.0
WS 07	Corpus Christi Aquifer Storage and Recovery (ASR) Feasibility Study Finance and Engineering Number: E16265		1,857.7				-
WS 08	Wesley Seale Dam Spillway Rehabilitation Finance and Engineering Number: TBD					1,000.0	1,000.0
	TOTAL PROGRAMMED EXPENDITURES:	157,475.0	21,471.6	4,300.0	6,200.0	10,500.0	21,000.0

Seq #	Project Name	Project-to-Date Obligations April 2015	Unspent Prior Budget as of May 2015	CIP Budget Year 1 2015 - 2016	Year 2 2016 - 2017	Year 3 2017 - 2018	Three Year Total
-------	--------------	--	-------------------------------------	-------------------------------	--------------------	--------------------	------------------

PROGRAM FUNDING SCHEDULE:

CURRENTLY AVAILABLE FUNDING:

	Revenue Bond	145,554.2	16,956.2	-	-	-	-
	Texas Water Development Board	7,964.1	433.4	-	-	-	-
	Water Operating	101.9	325.0	-	-	-	-
	Raw Water Supply Fund	645.8	2,311.0	300.0	200.0	-	500.0
	Bureau of Reclamation Grant	-	400.0	-	-	-	-
	Choke Canyon Trust Fund	3,209.0	1,046.0	500.0	-	-	500.0
	Total Currently Available:	157,475.0	21,471.6	800.0	200.0	-	1,000.0

RECOMMENDED ADDITIONAL FUNDING:

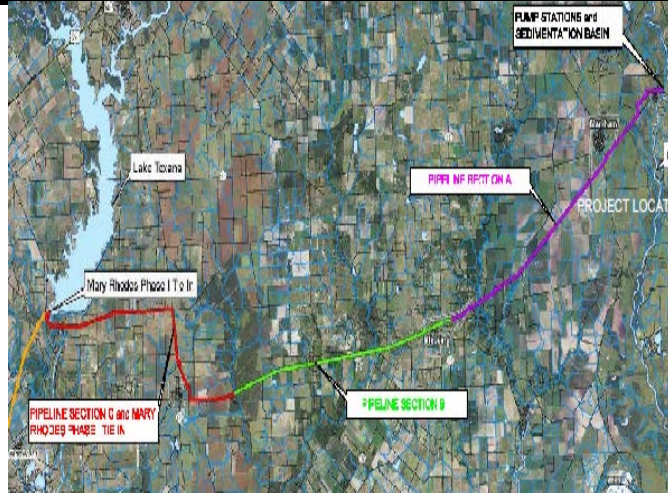
	Revenue Bond	-	-	3,500.0	6,000.0	10,500.0	20,000.0
	TOTAL PROGRAMMED FUNDS:	157,475.0	21,471.6	4,300.0	6,200.0	10,500.0	21,000.0

PROJECT TITLE: Mary Rhodes Water Supply Pipeline, Phase 2

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

In 1992, the City entered into an option agreement for the purchase of up to 35,000 acre-feet per year of water rights from the Garwood Irrigation Company. Use of the water requires routing transmission facilities from the Colorado River to the Mary Rhodes Pipeline at a point just downstream of Lake Texana. Phase 1 (Delivery Options Study) and Phase 2 (Permit Application) and Phase 3 (Land Acquisition) is complete. Design was complete in Fiscal Year 2013. Construction Contracts were awarded in Fiscal Year 2014 and started in FY 2014. They will be complete in early FY 2017.



PROJECT NOTES:

RAW WATER SUPPLY

Project No: E10008
 A/E Consultant: Freese Nichols, Inc.
 Contractor: Oscar Renda Const.
 Contractor: Garney Companies
 Award Construction: Feb. 2014
 Anticipated Completion: Aug. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	16,638.8						16,638,800
Construction	125,993.6	10,000.0					135,993,600
Contingency		1,000.0					1,000,000
Inspection/Other	1,019.0	2,961.7					3,980,700
Land Acquisition	9,810.9						
TOTAL:	153,462.3	13,961.7	-	-	-	-	\$ 167,424,000
Source of Funds							
Revenue Bond	145,498.2	13,961.7					159,459,900
Texas Water Development Board	7,964.1						7,964,100
TOTAL:	153,462.3	13,961.7	-	-	-	-	\$ 167,424,000

OPERATIONAL IMPACT:

Construction will be completed in FY 2017. Maintenance and operational costs will increase, but corresponding revenues will also increase with the additional water consumption.

PROJECT TITLE: City of Corpus Christi Desalination Program

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The City of Corpus Christi Desalination Program is a progressive and proactive step to begin determining the feasibility of developing a drought-proof future water supply using brackish groundwater and seawater. The City of Corpus Christi has secured grant funds from the US Bureau of Reclamation (Reclamation) to assist with this project and will have expert technical resources with Reclamation providing their experience and guidance. The City has already secured \$400,000 in grant funding for this project from Reclamation. This program will provide the City with the reliability, security, sustainability and availability of brackish groundwater and seawater as possible future water sources.



PROJECT NOTES:

RAW WATER SUPPLY

Project No: E13063
 A/E Consultant: Freese Nichols, Inc.
 Award Design: June 2013
 Contractor: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	604.9						604,900
Construction		1,400.0					1,400,000
Contingency		140.0					140,000
Inspection/Other	142.8	71.7	300.0	200.0			714,500
TOTAL:	747.7	1,611.7	300.0	200.0	-	-	\$ 2,859,400
Source of Funds							
Water Operational Funds	101.9						101,900
Raw Water Supply Fund	645.8	1,211.7	300.0	200.0			2,357,500
Bureau of Reclamation Grant		400.0					400,000
TOTAL:	747.7	1,611.7	300.0	200.0	-	-	\$ 2,859,400

OPERATIONAL IMPACT:

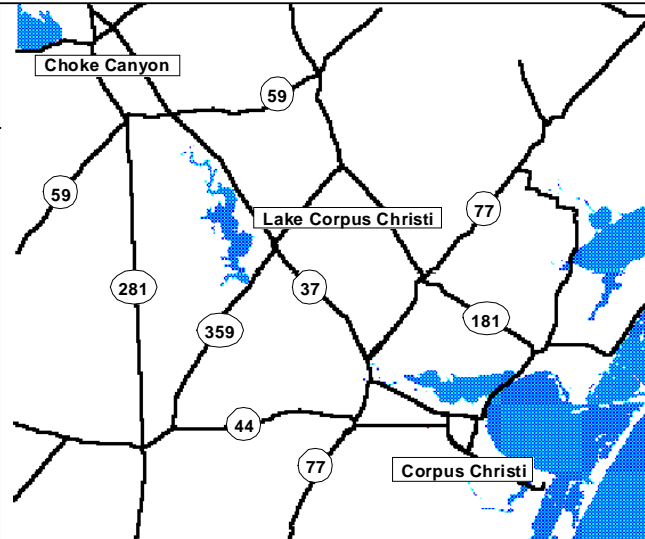
This program will provide the City with sufficient increased water production capacity to support additional industries, growth, and demand. In addition, Corpus Christi will be the Gulf Coast leader in desalination. Maintenance and operational costs will increase, but corresponding revenues will also increase with the additional water consumption.

PROJECT TITLE: Choke Canyon Dam Spillway Gate Rehabilitation

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

Choke Canyon Dam is located in South Texas on the Frio River, four miles west of Three Rivers, Texas, and approximately 90 miles northwest of the City of Corpus Christi. The primary purpose of the reservoir is municipal and industrial water supply and it also provides recreational and environmental benefits. The dam is comprised of a zoned earthen embankment, a reinforced concrete spillway with seven spillway gates and an outlet works structure near the center of the dam. The construction of the dam and the spillway, occurred between 1976 and 1982. The United States Bureau of Reclamation, who built and continues to inspect the dam, has noted in several inspections that the spillway gate coating system is in need of rehabilitation. This project will rehabilitate the spillway gates, including such items as recoating, wire rope replacement, seal replacement, guide shoe refurbishment and stoplog slot resurfacing.



PROJECT NOTES:

RAW WATER SUPPLY

Project No: E14043
 A/E Consultant: Freese Nichols, Inc.
 Award Design: Sept 2014
 Contractor: Blastco
 Award Construction: Aug. 2015
 Anticipated Completion: July 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	470.2						470,200
Construction	2,655.8	850.0	400.0				3,905,800
Contingency		85.0	50.0				135,000
Inspection/Other	83.0	111.0	50.0				244,000
TOTAL:	3,209.0	1,046.0	500.0	-	-	-	\$ 4,755,000
Source of Funds							
Choke Canyon Trust Fund	3,209.0	1,046.0	500.0				4,755,000
TOTAL:	3,209.0	1,046.0	500.0	-	-	-	\$ 4,755,000

OPERATIONAL IMPACT:

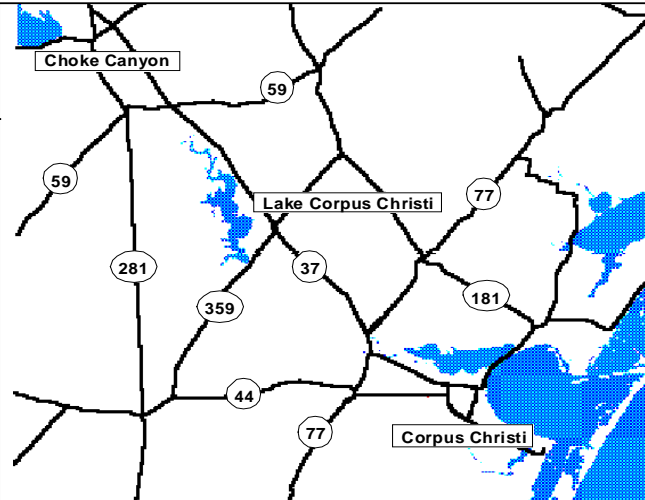
This project will increase the service life of the structure and prevent future corrosion and subsequent section loss and connection deterioration.

PROJECT TITLE: Wesley Seale Dam Instrumentation Testing and Rehabilitation

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project provides for improvements to the original instrumentation system including annual safety inspection, integration with O.N. Stevens WTP process controls, the Howell-Bunger Valve, the downstream sluice gates, and the dewatering system, in response to previous inspection and priority investment recommendations into the system. This project will protect the integrity of the Wesley Seale Dam system (1957), to provide for proper inspection and updated regulatory reports per TCEQ.



PROJECT NOTES:

RAW WATER SUPPLY

Finance Project No: 180548
 Engineering Project No: 8663
 A/E Consultant: Freese Nichols, Inc.
 Award Design: Aug. 2016
 Contractor: TBD
 Award Construction: Nov. 2017
 Anticipated Completion: May 2019

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	49.1	750.0					799,100
Construction			1,700.0	2,100.0	400.0		4,200,000
Contingency			170.0	210.0	50.0		430,000
Inspection/Other	1.5	50.0	130.0	190.0	50.0		421,500
TOTAL:	50.6	800.0	2,000.0	2,500.0	500.0	-	\$ 5,850,600
Source of Funds							
Revenue Bond	50.6	800.0	2,000.0	2,500.0	500.0		5,850,600
TOTAL:	50.6	800.0	2,000.0	2,500.0	500.0	-	\$ 5,850,600

OPERATIONAL IMPACT:

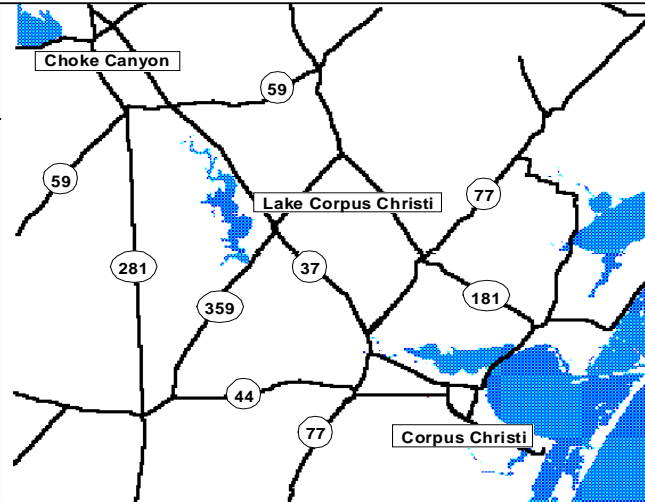
This project will ensure the City can provide reservoir supplies to its customers and other downstream rights-holders and will secure the structural integrity of the dam through established dam safety protocols following regulatory mandates from TCEQ regarding high-hazard dams.

PROJECT TITLE: Mary Rhodes Pipeline Phase 1 Segment 1 Unit Installation

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

Improvements to the existing Mary Rhodes system are required to reliably transfer additional water from the proposed Phase 2 pipeline through the existing Phase 1 pipeline. Additional ground storage tanks and associated piping and flow meters at the Bloomington and Woodsboro pump stations, and improvements to pumping equipment at the Lake Texana Intake Pump Station and Woodsboro and Bloomington Pump Stations are needed to convey the additional 35,000 acre feet of water each year.



PROJECT NOTES:

RAW WATER SUPPLY

Project No: E13037
 A/E Consultant: HDR
 Award Design: TBD
 Contractor: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		650.0		700.0			1,350,000
Construction				1,000.0	6,500.0	4,500.0	12,000,000
Contingency				100.0	650.0	250.0	1,000,000
Inspection/Other	5.3	44.6		200.0	350.0	250.0	849,900
TOTAL:	5.3	694.6	-	2,000.0	7,500.0	5,000.0	\$ 15,199,900
Source of Funds							
Revenue Bond	5.3	694.6		2,000.0	7,500.0	5,000.0	15,199,900
TOTAL:	5.3	694.6	-	2,000.0	7,500.0	5,000.0	\$ 15,199,900

OPERATIONAL IMPACT:

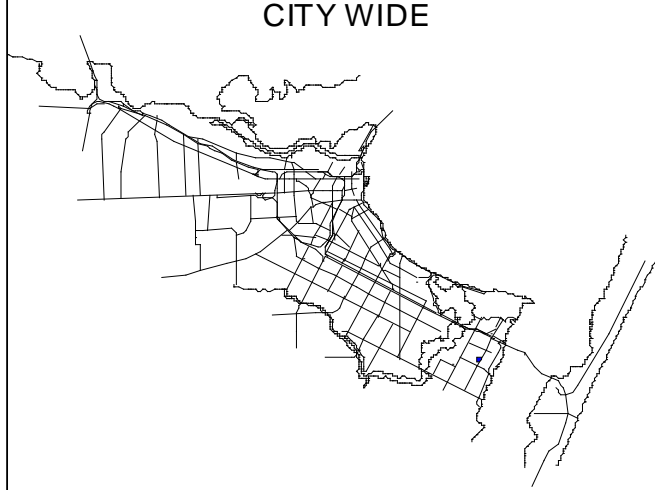
This project will improve pipeline efficiencies and reduce costs.

PROJECT TITLE: Corpus Christi Reservoir Operating System Infrastructure Improvements

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

Wesley Seale Dam was built in 1957 and Choke Canyon Reservoir Dam was built in 1981. Some major components and elements of these two dams are nearing their useful life. This project provides for rehabilitation and improvements of critical dam elements in Wesley Seale Dam and Choke Canyon Reservoir Dam to keep both systems operating efficiently. Construction will be on-going on a yearly basis to the extent that funding allows.



PROJECT NOTES:

WATER SUPPLY

Project No: E13050
 A/E Consultant: Freese Nichols, Inc.
 Award Design: TBD
 Contractor: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		1,000.0				250.0	1,250,000
Construction			1,250.0	1,250.0	1,250.0	5,000.0	8,750,000
Contingency			125.0	125.0	125.0	500.0	875,000
Inspection/Other	0.1	499.9	125.0	125.0	125.0	250.0	1,125,000
TOTAL:	0.1	1,499.9	1,500.0	1,500.0	1,500.0	6,000.0	\$ 12,000,000
Source of Funds							
Revenue Bond	0.1	1,499.9	1,500.0	1,500.0	1,500.0	6,000.0	12,000,000
TOTAL:	0.1	1,499.9	1,500.0	1,500.0	1,500.0	6,000.0	\$ 12,000,000

OPERATIONAL IMPACT:

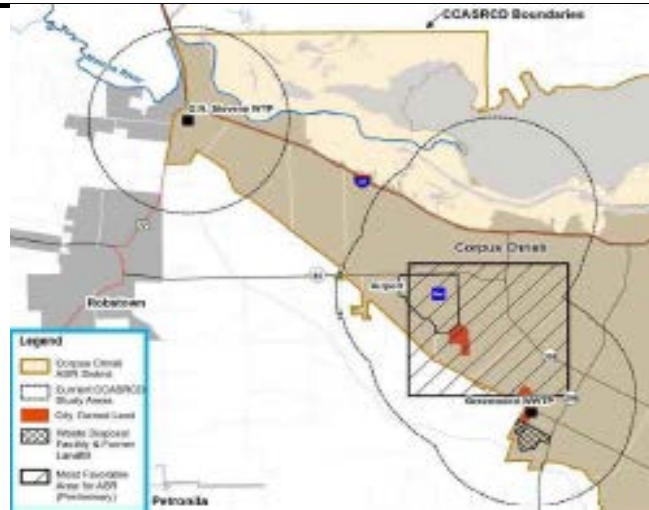
This project will ensure the City follows recommendations of the United States Bureau of Reclamation regarding proactive rehabilitation of critical dam components rather than reactive emergency repair for a reduced cost of operation and predictable system performance.

PROJECT TITLE: Corpus Christi Aquifer Storage and Recovery (ASR) Feasibility Study

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

Aquifer storage and recovery (ASR) is a long-term water supply strategy to effectively integrate the City's regional water supply system to achieve long-range water planning goals. The scope of investigation and analysis for this ASR feasibility study includes the following work elements: Conduct an exploratory test drilling program (up to 3 exploratory boreholes) to collect hydrogeological and geochemical parameters that can be used to characterize a potential ASR system at the selected sites; Perform geochemical analysis to determine the compatibility of treated, source water for storing within the native aquifer setting; Develop a field scale groundwater model to simulate storage and recovery operations; Evaluate ASR operating policy considerations; and Prepare and submit a technical report and electronic presentation to the Texas Water Development Board summarizing the findings of District feasibility study.



PROJECT NOTES:

WATER SUPPLY

Project No: E16265
 A/E Consultant: HDR
TEST WELL:
 Award Design: July 2016
 Contractor: TBD
 Award Construction: FY 2017
 Anticipated Completion: Aug. 2019

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		601.0					601,000
Construction		1,000.0					1,000,000
Contingency		100.0					100,000
Inspection/Other		156.7					156,700
TOTAL:		1,857.7	-	-	-	-	\$ 1,857,700
Source of Funds							
Water Operating Budget		325.0					325,000
Tx Water Development Board		433.4					
Raw Water Trust Fund		1,099.3					
TOTAL:		1,857.7	-	-	-	-	\$ 325,000

OPERATIONAL IMPACT:

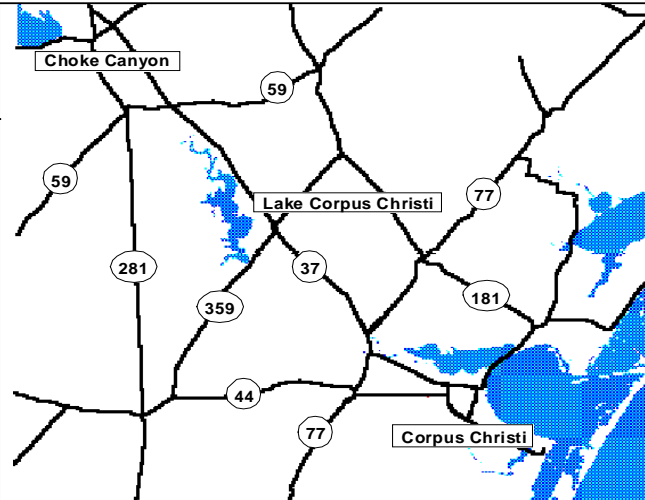
This project will ensure the City follows recommendations of the United States Bureau of Reclamation regarding proactive rehabilitation of critical dam components rather than reactive emergency repair for a reduced cost of operation and predictable system performance.

PROJECT TITLE: Wesley Seale Dam Spillway Rehabilitation

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The Wesley Seale Dam has 60 crest gates located in two separate spillways: the south spillway includes 27 gates and the north spillway includes 33 gates. Over the years, leakage from the side seals has increased and it has become significant at several of the gates. The water flow from the excessive leakage damages the concrete and encourages algae and other vegetative growth and leads to corrosion issues on the gates, metal appurtenances and reinforcing steel. This project provides for the necessary improvements including seal replacement, miscellaneous structural repairs and application of a protective coating system for the Dam.



PROJECT NOTES:

RAW WATER SUPPLY

Project No:	TBD
A/E Consultant:	TBD
Award Design:	TBD
Contractor:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

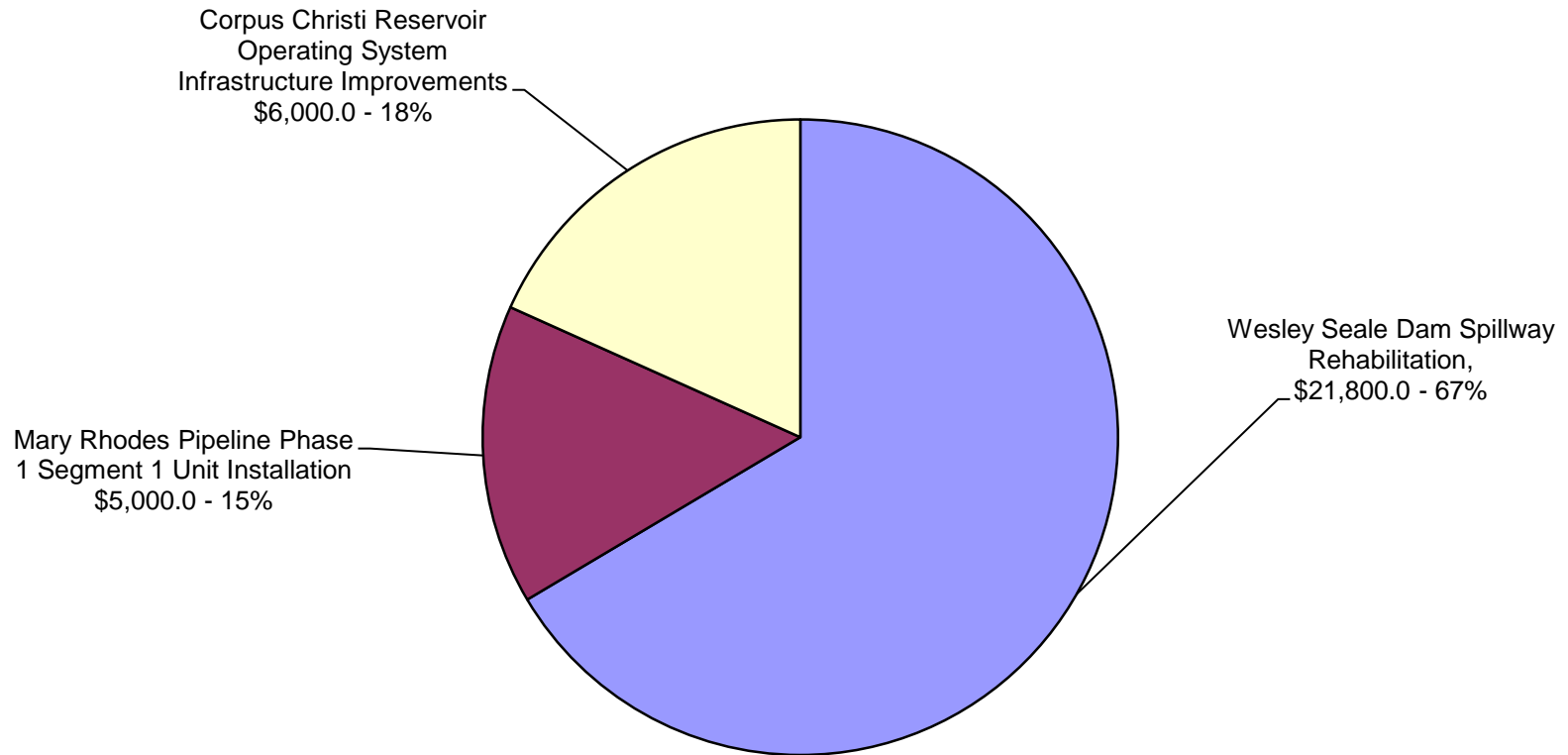
FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering					950.0		950,000
Construction						17,000.0	17,000,000
Contingency						1,800.0	1,800,000
Inspection/Other					50.0	3,000.0	3,050,000
TOTAL:					1,000.0	21,800.0	\$ 22,800,000
Source of Funds							
Revenue Bond					1,000.0	21,800.0	22,800,000
TOTAL:					1,000.0	21,800.0	\$ 22,800,000

OPERATIONAL IMPACT:

This project will increase the service life of the structure and prevent future corrosion and subsequent section loss and connection deterioration.

**Water Supply
Long-Range CIP: \$32,800.0
(Amounts in 000's)**

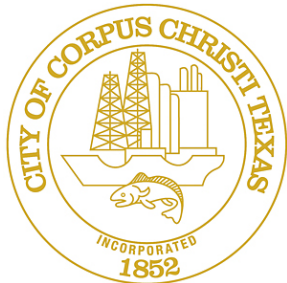


		Long-Range Year
1	<p><u>Mary Rhodes Pipeline Phase 1 Segment 1 Unit Installation (Continuation)</u> \$5,000,000</p> <p>Improvements to the existing Mary Rhodes system are required to reliably transfer additional water from the proposed Phase 2 pipeline through the existing Phase 1 pipeline. Additional ground storage tanks and associated piping and flow meters at the Bloomington and Woodsboro pump stations, and improvements to pumping equipment at the Lake Texana Intake Pump Station and Woodsboro and Bloomington Pump Stations are needed to convey the additional 35,000 acre feet of water each year.</p>	4
2	<p><u>Corpus Christi Reservoir Operating System Infrastructure Improvements (Continuation)</u> \$6,000,000</p> <p>Wesley Seale Dam and Choke Canyon Reservoir Dam Improvements will consist of the replacement of major dam elements and associated infrastructure components that are nearing their useful life. The Wesley Seale Dam was built in 1957 and the Choke Canyon Reservoir Dam was built in 1981. Items to be replaced for the Wesley Seale Dam may include a 48-inch diameter Howell Bunger valve which aged and does not function as required, three 2.5 4 foot sluice gates which have aged and do not function as desired and other components as needed to keep both systems operating efficiently. Construction will be on-going on a yearly basis to the extent that funding allows.</p>	4, 5, 6, 7, 8, 9
3	<p><u>Wesley Seale Dam Spillway Rehabilitation (Continuation)</u> \$21,800,000</p> <p>The Wesley Seale Dam has 60 crest gates located in two separate spillways: the south spillway includes 27 gates and the north spillway includes 33 gates. Over the years, leakage from the side seals has increased and it has become significant at several of the gates. The water flow from the excessive leakage damages the concrete and encourages algae and other vegetative growth and leads to corrosion issues on the gates, metal appurtenances and reinforcing steel. This project provides for the necessary improvements including seal replacement, miscellaneous structural repairs and application of a protective coating system for the Dam.</p>	4, 5, 6, 7, 8
<p><u>TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:</u> \$32,800,000</p>		



WATER

Obligation to the Future



CITY OF CORPUS CHRISTI WATER PROGRAM

The City's Fiscal Year 2016 – 2017 Water Capital Improvement Program (CIP) contains twenty-four (24) projects with a total value of \$40.4 million which represent a significant investment of resources to enable delivery of a reliable source of potable water to residents, while balancing the long-term needs of the City and the region. Through periodic updates of the City-Wide Water Distribution Master Plan, local and area needs are modeled and the information is used in the development of a capital program that is responsive to population growth, rehabilitation/replacement of aging infrastructure, and meeting regulatory requirements while remaining attentive to funding limitations. This year's Water CIP includes projects relating to Water Treatment, Network and Distribution, Infrastructure Improvements, and Water Supply.

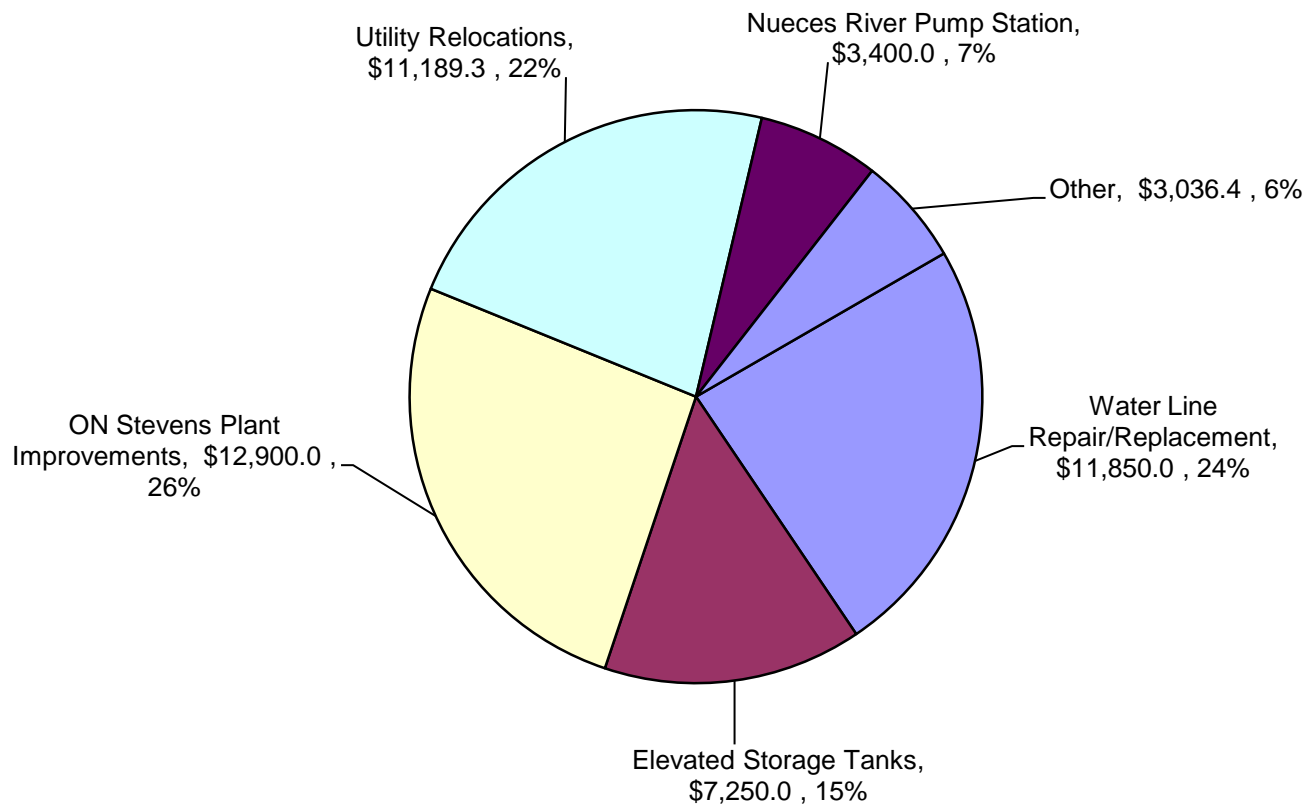
An important aspect of operating a public water system is protecting the integrity of the City's Water Treatment Plant. The ON Stevens Water Treatment Plant (ONSWTP) was originally constructed in 1954 and has a rated capacity of producing up to 167 million gallons a day (MGD). On average, the plant produces 80 million gallons of water a day. This year's program addresses essential improvements to the plant's chemical feed processes, infrastructure, storage, high service buildings, and treatment and distribution systems. The City's goal of exceeding Texas Commission on Environmental Quality (TCEQ) requirements is a priority for the Water CIP program and will be achieved through both short and long range projects.

In addition to the planned water projects, the Water Capital Improvement Program Budget includes over \$15.1 M in work to support city and Texas Department of Transportation (TxDOT) street projects that require upgrading or moving water transmission lines. These projects include streets listed in the 2012 and 2014 General Obligation Bond Elections and moving water lines in anticipation of the new Harbor Bridge construction project.

A recap of the budgeted expenditures includes:

	YEAR ONE 2016– 2017	YEAR TWO 2017 – 2018	YEAR THREE 2018 – 2019
TOTAL PROGRAMMED EXPENDITURES:	\$ 49,625,700	\$ 71,150,000	\$ 53,650,000
FUNDING:			
Water Capital Reserves	\$ 3,400,000	\$ 0	\$ 0
Pay As You Go	\$ 6,997,600	\$ 0	\$ 0
New Debt (Revenue Bonds)	\$ 39,228,100	\$ 71,150,000	\$ 53,650,000
TOTAL PROGRAMMED FUNDS:	\$ 49,625,700	\$ 71,150,000	\$ 53,650,000

Water
Annual CIP: \$49,625.7
(Amounts in 000's)



Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
WA 01	Programmed Water Line Service Life Extension Finance Number: 180198 / E16259 Engineering Number: 8610 / E16259	7,121.8	555.4	7,450.0	6,000.0	6,000.0	19,450.0
WA 02	Alternative Capacity Power Generation Project Finance and Engineering Number: E12141	310.7	1,087.6				-
WA 03	Elevated Water Storage Tanks (Alternate Capacity Requirement Implementation Plan) Finance and Engineering Number: E11012	6,143.5	1,666.5	7,250.0	10,000.0	8,500.0	25,750.0
WA 04	ONS Water Treatment Plant Chemical Facilities (Alum, Polymer and LAS) Finance and Engineering Number: E12211	1,114.8	1,185.1	500.0	7,000.0	4,500.0	12,000.0
WA 05	ONS Water Treatment Plant High Service Building No. 3 Finance and Engineering Number: E11066	2,607.0	2,973.0	6,200.0	10,000.0	6,500.0	22,700.0
WA 06	ONS Water Treatment Plant Raw Water Influent Improvements Finance Number: 180415 Engineering Number: 8643	1,777.8	2,145.2	500.0	7,500.0	7,000.0	15,000.0
WA 07	Water Treatment On-Call Support Finance and Engineering Number: E11069	623.3	492.9	50.0	350.0	350.0	750.0

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
WA 08	ONS Water Treatment Plant Interim Sludge Management Improvements Finance and Engineering Number: E13052 / E16246	420.7	1,165.8	2,500.0	2,500.0		5,000.0
WA 09	ONS Water Treatment Plant Site Infrastructure Improvements Finance and Engineering Number: E13051	35.5	464.5	500.0	500.0	500.0	1,500.0
WA 10	Water System Process Control Reliability Improvements Finance and Engineering Number: E13031		1,000.0	500.0	500.0	500.0	1,500.0
WA 11	Staples Street Pump Station Phase 2 - Third and Fourth Pumps Finance and Engineering Number: E12004	401.6	2,150.0	687.4			687.4
WA 12	Water Transmission Infrastructure Cathodic Protection Improvements Finance and Engineering Number: E12005	48.8	880.0				-
WA 13	Water Meter and Automated Meter Reading Improvements Finance and Engineering Number: E13049		500.0	250.0	250.0	250.0	750.0
WA 14	ONS Water Treatment Plant Fluoride Feed System Improvements Finance and Engineering Number: E15223			1,100.0			1,100.0

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
WA 15	Utility Building Expansion Finance and Engineering Number: E15157	49.9	350.1	1,500.0	3,000.0		4,500.0
WA 16	TxDOT Water Line Relocation (HARBOR BRIDGE) Finance and Engineering Number: E15158	1,087.9	88.3	4,000.0			4,000.0
WA 17	Developer Utility Participation - Water Finance and Engineering Number: E12213		300.0	49.0	50.0	50.0	149.0
WA 18	Naval Air Station Water Distribution Infrastructure Improvements Finance and Engineering Number: E15159		500.0			3,500.0	3,500.0
WA 19	ONS Water Treatment Plant Solids Handling and Disposal Facilities Finance Number: 180195 Engineering Number: 8607		837.0	600.0	5,000.0	5,500.0	11,100.0
WA 20	ONS Water Treatment Plant Chlorine Storage and Handling Facilities Improvements Finance and Engineering Number: E10144			1,000.0	4,500.0	3,500.0	9,000.0
WA 21	Nueces River Raw Water Pump Station Finance and Engineering Number: E15160	2,927.8	5,487.0	3,400.0	7,000.0		10,400.0

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
WA 22	ONS Water Treatment Plant Electrical Distribution Improvements Finance and Engineering Number: E15160					1,000.0	1,000.0
WA 23	Padre Island Water Pipeline Extension, Phase 3 Finance and Engineering Number: E16325			400.0	1,000.0		1,400.0
Water Program Sub-Total:		24,671.1	23,828.4	38,436.4	65,150.0	47,650.0	151,236.4
	*Utility Relocation Costs for Bond 2008	3.8	629.7	-	-	-	-
	*Utility Relocation Costs for Bond 2012	3,178.3	7,842.0	1,348.0	353.0	-	1,701.0
	*Utility Relocation Costs for Bond 2014	961.6		9,841.3	3,916.1	-	13,757.4
	Future Programmed Bond Utility Support	-	-	-	1,730.9	6,000.0	7,730.9
<i>* relocation costs and funding reflected within Streets Program</i>							
TOTAL PROGRAMMED EXPENDITURES:		28,814.8	32,300.1	49,625.7	71,150.0	53,650.0	174,425.7

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
-------	--------------	---	---	-------------------------------------	-----------------------	-----------------------	---------------------

CURRENTLY AVAILABLE FUNDING:

	Existing Revenue Bond	28,814.8	32,300.1	-	-	-	-
	Pay As You Go	-	-	6,997.6			
	Water Capital Reserves	-	-	3,400.0	-	-	3,400.0
	Total Currently Available:	28,814.8	32,300.1	10,397.6	-	-	10,397.6

RECOMMENDED ADDITIONAL FUNDING:

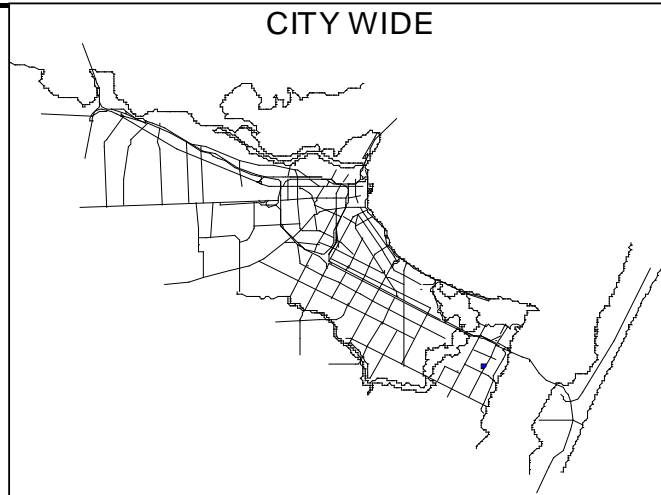
	Revenue Bond	-	-	39,228.1	71,150.0	53,650.0	164,028.1
	TOTAL PROGRAMMED FUNDS:	28,814.8	32,300.1	49,625.7	71,150.0	53,650.0	174,425.7

PROJECT TITLE: Programmed Water Line Service Life Extension

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project provides for a strategic lifecycle program replacement and extension of the City's water distribution system (1,368 miles). The program is flexible and provides a systemic approach to extend the service life of the system while enhancing monitoring capability and water quality. Additional benefits will include increased distribution reliability with reduced service outages, and reduced operational costs. A major priority of the lifecycle improvements will maximize CIP investments increasing capacity of the system and deferring unnecessary major upgrades to pump stations and plants. This program is also in response to the City's Street Preventative Maintenance Program (SPMP) and the construction is in a manner of Indefinite Delivery/Indefinite Quantity (IDIQ) delivery orders. Some work will be completed using in-house forces to save on costs where applicable.



PROJECT NOTES:

TREATMENT

Project No: 180198 / E16259
 A/E Consultant: Urban Engineering
 Contractor: In-House / Various
 Award Design: On-Going
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	893.9		300.0	200.0	200.0	2,500.0	4,093,900
Construction	6,104.5	500.0	6,500.0	5,500.0	5,500.0	25,000.0	49,104,500
Contingency			350.0	200.0	200.0	1,500.0	2,250,000
Inspection/Other	123.4	55.4	300.0	100.0	100.0	1,000.0	1,678,800
TOTAL:	7,121.8	555.4	7,450.0	6,000.0	6,000.0	30,000.0	\$ 57,127,200
Source of Funds							
Revenue Bond	7,121.8	555.4	452.4	6,000.0	6,000.0	30,000.0	50,129,600
Pay As You Go			6,997.6				6,997,600
TOTAL:	7,121.8	555.4	7,450.0	6,000.0	6,000.0	30,000.0	\$ 57,127,200

OPERATIONAL IMPACT:

The extension of the service life of water mains is critical to ensuring the integrity of the system. This project itself does not increase revenue or decrease expenses, but it prevents the cost of maintenance from rising.

Department: WATER

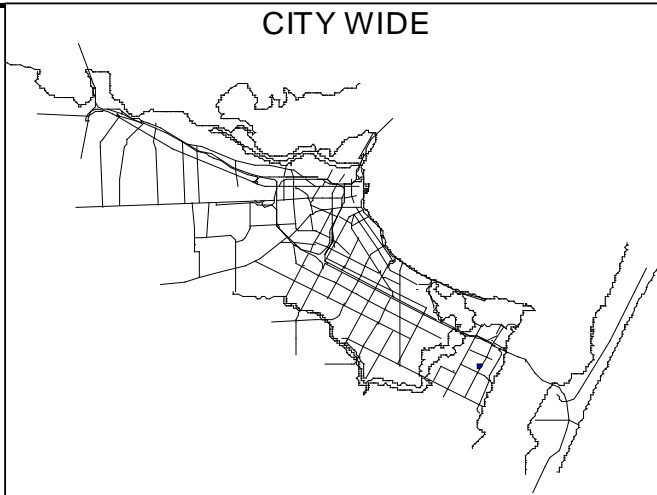
Sequence #02

PROJECT TITLE: Alternative Capacity Power Generation

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project will provide design and construction of back-up power systems at two critical water distribution pumping facilities, including Navigation and Staples Street Pump Station. This project is the first phase of the TCEQ ACR Implementation Plan and anticipated to be complete in October 2016.



PROJECT NOTES:

ADMINISTRATION

Project No: E12141
 A/E Consultant: Bath
 Contractor: TBD
 Award Design: July 2014
 Award Construction: Jan. 2016
 Anticipated Completion: Aug. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	277.3						277,300
Construction		900.0					900,000
Contingency		100.0					100,000
Inspection/Other	33.4	87.6					121,000
TOTAL:	310.7	1,087.6	-	-	-	-	\$ 1,398,300
Source of Funds							
Revenue Bond	310.7	1,087.6					1,398,300
TOTAL:	310.7	1,087.6	-	-	-	-	\$ 1,398,300

OPERATIONAL IMPACT:

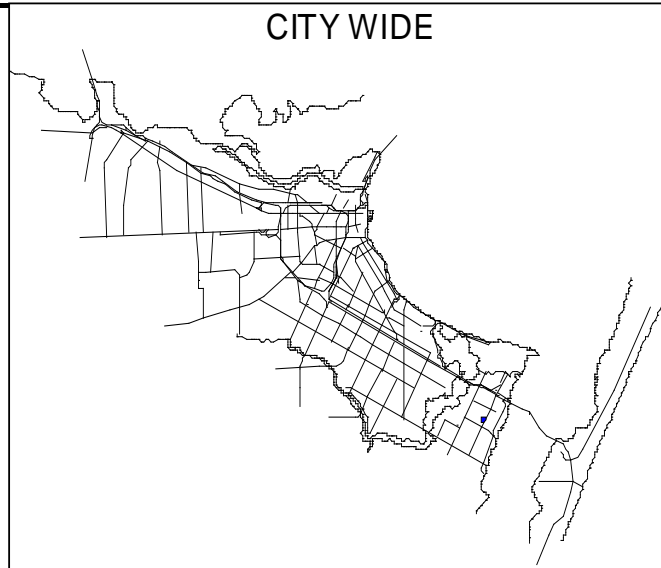
This project will allow the city to meet its commitment to TCEQ as defined in the 9-year Alternative Capacity Requirement (ACR) implementation plan approved in 2012. Back-up power systems will allow the pump stations to continue pumping during short or extended electrical grid power outages.

PROJECT TITLE: Elevated Water Storage Tanks (Alternate Capacity Requirement Implementation Plan)

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The existing Elevated Storage Tanks (EST) have inadequate volume and elevation to meet minimum storage requirement as defined by the Texas Commission on Environmental Quality (TCEQ). This project is a phased multi-year effort that will provide four new ESTs with 7.5 million gallons of storage. This improved storage capacity, combined with the new heights and two new pump station generators (addressed under a separate CIP project) will place the City's distribution system in compliance with TCEQ's Alternative Capacity Requirement (ACR). Design for Tanks 1 and 2 have been accomplished. Construction is underway and scheduled to be complete in early 2018. To expedite the City's ACR Implementation plan and save project costs, the City proposed to combine the original Phase 3 and Phase 4 for ESTs at the Starry Road on City-owned property and at the Nueces Bay Blvd at undetermined site, which was approved by TCEQ. Phase 3 also includes demolition of the existing four ESTs in the City's Pressure Zone 1 which are identified by the City as Morgan EST, Gollihar EST, Alameda EST, and Flour Bluff EST.



PROJECT NOTES:

DISTRIBUTION

Project No: E11012
 A/E Consultant: LNV
 Contractor: CBI, Inc.
 Award Design: March 2011
 Award Construction: May 2016
 Anticipated Completion: Feb. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		216.0	500.0	800.0	700.0	250.0	2,466,000
Construction	6,000.0	1,200.0	6,000.0	8,000.0	7,000.0	2,500.0	30,700,000
Contingency		100.0	600.0	800.0	600.0	250.0	2,350,000
Inspection/Other	143.5	150.5	150.0	400.0	200.0	151.1	1,195,100
TOTAL:	6,143.5	1,666.5	7,250.0	10,000.0	8,500.0	3,151.1	\$ 36,711,100
Source of Funds							
Revenue Bond	6,143.5	1,666.5	3,850.0	10,000.0	8,500.0	3,151.1	33,311,100
Water Capital Reserves			3,400.0				3,400,000
TOTAL:	6,143.5	1,666.5	7,250.0	10,000.0	8,500.0	3,151.1	\$ 36,711,100

OPERATIONAL IMPACT:

This project will allow the city to meet its commitment to TCEQ as defined in the 9-year Alternative Capacity Requirement (ACR) implementation plan approved in 2012. Higher tanks will additionally provide higher pressure and better pressure stabilization in the distribution system as required. No additional costs will be incurred.

PROJECT TITLE: ON Stevens Water Treatment Plant Chemical Facilities (Alum, Polymer and LAS)

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The existing chemical feed equipment is beyond its useful service life resulting in costly maintenance with obsolete technology. This project will modernize the chemical storage and chemical feed systems at the ONS Water Treatment Plant which optimizes the dosage, reliability, monitoring and control of water treatment chemicals. These improvements are also needed to meet requirements of Texas Commission on Environmental Quality (TCEQ) Rules and Regulations 30 TAC 290.42., and to support future plans to increase water treatment capacity at ONSWTP. To minimize the impacts to operations and achieve cost efficiencies, the construction will be combined with ONSWTP Raw Water Influent Improvements project and awarded as one construction contract. The combined construction is anticipated to compete at the end of 2019.



PROJECT NOTES:

TREATMENT	
Project No:	E12211
A/E Consultant:	LNK
Contractor:	TBD
Award Design:	Oct. 2014
Award Construction:	Dec. 2017
Anticipated Completion:	FY 2019

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	1,114.0		450.0				1,564,000
Construction		1,000.0		6,000.0	4,000.0	1,800.0	12,800,000
Contingency		100.0		600.0	400.0	180.0	1,280,000
Inspection/Other	0.8	85.1	50.0	400.0	100.0	20.0	655,900
TOTAL:	1,114.8	1,185.1	500.0	7,000.0	4,500.0	2,000.0	\$ 16,299,900
Source of Funds							
Revenue Bond	1,114.8	1,185.1	500.0	7,000.0	4,500.0	2,000.0	16,299,900
TOTAL:	1,114.8	1,185.1	500.0	7,000.0	4,500.0	2,000.0	\$ 16,299,900

OPERATIONAL IMPACT:

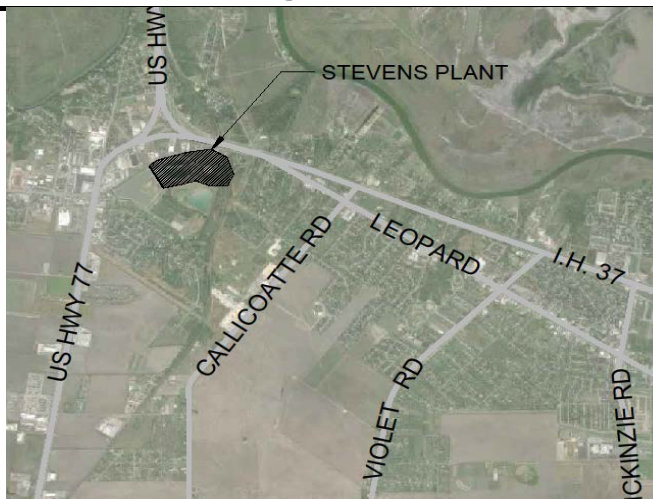
This project will bring the Plant into compliance with regulatory requirements for the chemical storage and feed facilities, increase safety and provide equipment for optimizing the use of water treatment chemicals.

PROJECT TITLE: ONS Water Treatment Plant High Service Building No. 3

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project will provide for construction of a new High Service Building as the repair/replacement of the existing High Service Building No. 1 and its equipment is not feasible or cost effective. This project will also replace the four (4) existing tilting disc check valves (TDCVs) and all existing Multilin Motor protection relays (MRP) at High Service Building #2 in order to provide consistency and facilitate maintenance between both High Service No. 2 and the High Service No. 3 Pump Stations. The New High Service Building No. 3 will have the capability to deliver treated water to the distribution system from the existing clear-well No. 1, clear-well No. 2 and future programmed clear-well No.3. Completion of this project will enable the City to decommission and take out of service High Service Building No. 1. The construction is anticipated to complete in July 2019.



PROJECT NOTES:

TREATMENT	
Project No:	E11066
A/E Consultant:	LVN
Contractor:	TBD
Award Design:	Feb. 2013
Award Construction:	Aug. 2016
Anticipated Completion:	FY 2019

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	2,607.0						2,607,000
Construction		2,500.0	5,500.0	9,000.0	5,750.0		22,750,000
Contingency		250.0	500.0	700.0	500.0		1,950,000
Inspection/Other		223.0	200.0	300.0	250.0		973,000
TOTAL:	2,607.0	2,973.0	6,200.0	10,000.0	6,500.0	-	\$ 28,280,000
Source of Funds							
Revenue Bond	2,607.0	2,973.0	6,200.0	10,000.0	6,500.0	-	28,280,000
TOTAL:	2,607.0	2,973.0	6,200.0	10,000.0	6,500.0	-	\$ 28,280,000

OPERATIONAL IMPACT:

Constructing a new High Service Building No. 3 will allow the plant to continue with uninterrupted treated water delivery and will have the ability to operate with the new elevated storage tanks that are planned in compliance with the TCEQ's Alternative Capacity Requirement (ACR).

PROJECT TITLE: ONS Water Treatment Plant Raw Water Influent Improvements

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The existing raw water piping configuration and raw water junction box at the O.N. Stevens Water Treatment Plant currently limits the hydraulic capacity of the Plant. Existing piping makes it difficult to split incoming water flow between the four treatment trains. This project proposes to eliminate all hydraulic constrictions in the front end piping to allow raw water to be routed through the Presedimentation Basin and provide a passive flow split between the four treatment trains. Construction will begin after completion of the AEP Transmission Line Realignment. This project also includes demolishing the existing maintenance building, which has reached the end of its service life and is blocking the proposed piping route, and constructing a new one.



PROJECT NOTES:

TREATMENT

Finance Project No: 180415
 Engineering Project No: 8643
 A/E Consultant: Freese Nichols
 Contractor: TBD
 Award Design: May 2008
 Award Construction: Dec. 2018
 Anticipated Completion: FY 2019

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	1,576.9		450.0				2,026,900
Construction		1,800.0		7,000.0	6,500.0	4,500.0	19,800,000
Contingency		150.0		300.0	300.0	300.0	1,050,000
Inspection/Other	200.9	195.2	50.0	200.0	200.0	200.0	1,046,100
TOTAL:	1,777.8	2,145.2	500.0	7,500.0	7,000.0	5,000.0	\$ 23,923,000
Source of Funds							
Revenue Bond	1,777.8	2,145.2	500.0	7,500.0	7,000.0	5,000.0	23,923,000
TOTAL:	1,777.8	2,145.2	500.0	7,500.0	7,000.0	5,000.0	\$ 23,923,000

OPERATIONAL IMPACT:

This project will allow the Plant to meet upcoming demand as projected by the Texas Water Development Board, increase treatment capacity and improve treatment efficiency. The cost to treat the water should be reduced due to plant efficiencies.

Department: WATER

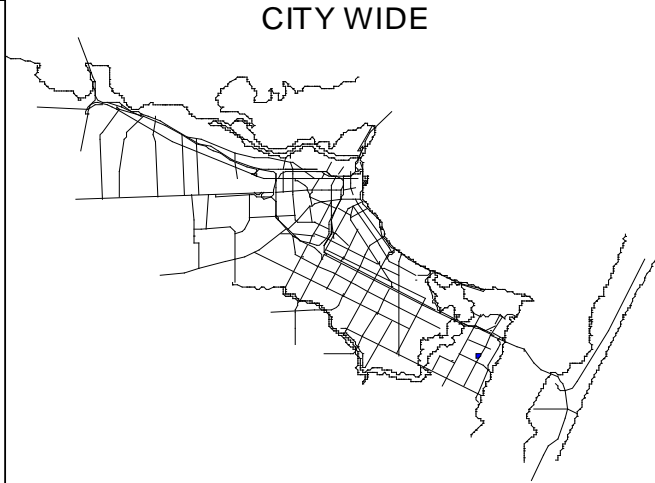
Sequence #07

PROJECT TITLE: Water Treatment On-Call Support

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project will allow the utility department to periodically supplement its staffing capabilities with experts who can assist with specific technical issues. The Consultant shall assist the City of Corpus Christi in developing project scopes, cost estimating, design and constructability peer review, cost and schedule control, design management and other support services required by the Treatment Division of the Utilities Department. The Consultant will have experience in all aspects of water treatment, distribution and collection. The Consultant will also have electrical engineering capacity for low and medium voltage power distribution. This will be a task order contract driven by immediate needs.



PROJECT NOTES:

ADMINISTRATION

Project No: E11069
 A/E Consultant: LNV, Inc.
 Contractor: TBD
 Award Design: Aug. 2016
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	596.0	450.0	45.0	325.0	325.0	2,300.0	4,041,000
Construction							-
Contingency							-
Inspection/Other	27.3	42.9	5.0	25.0	25.0	150.0	275,200
TOTAL:	623.3	492.9	50.0	350.0	350.0	2,450.0	\$ 4,316,200
Source of Funds							
Revenue Bond	623.3	492.9	50.0	350.0	350.0	2,450.0	4,316,200
TOTAL:	623.3	492.9	50.0	350.0	350.0	2,450.0	\$ 4,316,200

OPERATIONAL IMPACT:

Providing water program management will improve department efficiency and provide timely project execution.

PROJECT TITLE: ON Stevens Water Treatment Plant Interim Sludge Management Imps.

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The design of the North and South Sludge Lagoons Infrastructure was deemed necessary for the construction of a sludge line extension and sludge lagoon access roads. This project provides an interim solution for pumping sludge to the East and West Pollywogs ponds and will eventually construct a permanent transfer line conveying sludge from the North/South Lagoons to the new Solids Handling and Disposal Facilities. This project also addresses the sludge lagoon access roads which are heavily deteriorated and are in need of rehabilitation to accommodate heavy equipment during maintenance and dredging operations. The implementation of this project will remove sludge from the North/South Lagoons by installing and utilizing the FLUMP equipment and constructing a new transfer line that will convey sludge to Lagoon #7. This project also includes cleaning the sludge deposit in Lagoon #7 and a feasibility study for Lagoon No. 8 to meet operational needs at ONSWTP.



PROJECT NOTES:

ADMINISTRATION

Project No: E13052 / E16246

A/E Consultant: LNV, Inc.

INTERIM WORK:

Contractor: TBD

Award Design: Sept. 2014

Award Construction: April 2017

Anticipated Completion: Oct. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	371.0						371,000
Construction		1,000.0	2,000.0	2,000.0			5,000,000
Contingency		100.0	200.0	200.0			500,000
Inspection/Other	49.7	65.8	300.0	300.0			715,500
TOTAL:	420.7	1,165.8	2,500.0	2,500.0	-	-	\$ 6,586,500
Source of Funds							
Revenue Bond	420.7	1,165.8	2,500.0	2,500.0			6,586,500
TOTAL:	420.7	1,165.8	2,500.0	2,500.0	-	-	\$ 6,586,500

OPERATIONAL IMPACT:

Procurement of interim sludge management design services until the completion of new Solids Handling and Disposal Facilities.

PROJECT TITLE: ON Stevens Water Treatment Plant Site Infrastructure Improvements

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project will serve as a mechanism to execute major facility and process improvements, end-of-life equipment replacement and unanticipated capital upgrades on annual basis. The improvements will include, but not limited to, gradual replacement of filter media for 22 water filters; plant-wide rehabilitation of driveways; storm water drainage repair and improvements; other capital improvements as warranted and based on available funding.



PROJECT NOTES:

TREATMENT

Project No: E13051
 A/E Consultant: Freese Nichols, Inc.
 Contractor: TBD
 Award Design: Oct. 2016
 Award Construction: Sept. 2017
 Anticipated Completion: Aug. 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	25.6						25,600
Construction		400.0	450.0	450.0	450.0	3,150.0	4,900,000
Contingency		40.0	35.0	35.0	35.0	245.0	390,000
Inspection/Other	9.9	24.5	15.0	15.0	15.0	105.0	184,400
TOTAL:	35.5	464.5	500.0	500.0	500.0	3,500.0	\$ 5,500,000
Source of Funds							
Revenue Bond	35.5	464.5	500.0	500.0	500.0	3,500.0	5,500,000
TOTAL:	35.5	464.5	500.0	500.0	500.0	3,500.0	\$ 5,500,000

OPERATIONAL IMPACT:

Reduces risk of unexpected equipment or facilities failure. Responsible, proactive replacement and upgrade instead of reactive emergency repair. Reduced cost of operation due to predictable system performance.

Department: WATER

Sequence #10

PROJECT TITLE: Water System Process Control Reliability Improvements

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

Process automation systems, also known as Supervisory Control and Data Acquisition (SCADA) systems, allows a small team of operators to effectively run a large, complex Water system. It makes the operation of the Plant, or of the distribution system, more uniform and predictable. This project will address all aspects of system-wide process automation as outlined in the System Study performed in 2012. The elements include communication with remote sites, standardization of local automatic control hardware and software, improved diagnostic data gathering and remote troubleshooting, periodic reporting and instantly presenting meaningful process information to the right decision-makers at the right time.



PROJECT NOTES:

TREATMENT	
Project No:	E13031
A/E Consultant:	LNV, Inc.
Contractor:	TBD
Award Design:	Aug. 2016
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		400.0					400,000
Construction		500.0	450.0	450.0	450.0		1,850,000
Contingency		50.0	25.0	25.0	25.0		125,000
Inspection/Other		50.0	25.0	25.0	25.0		125,000
TOTAL:		1,000.0	500.0	500.0	500.0	-	\$ 2,500,000
Source of Funds							
Revenue Bond		1,000.0	500.0	500.0	500.0		2,500,000
TOTAL:		1,000.0	500.0	500.0	500.0	-	\$ 2,500,000

OPERATIONAL IMPACT:

This project Improves reliability of communication between ONSWTP Control Room and remote sites. Increased degree of automation in process control will take advantage of industry practice of business intelligence available to support operations and management decision-making.

Department: WATER

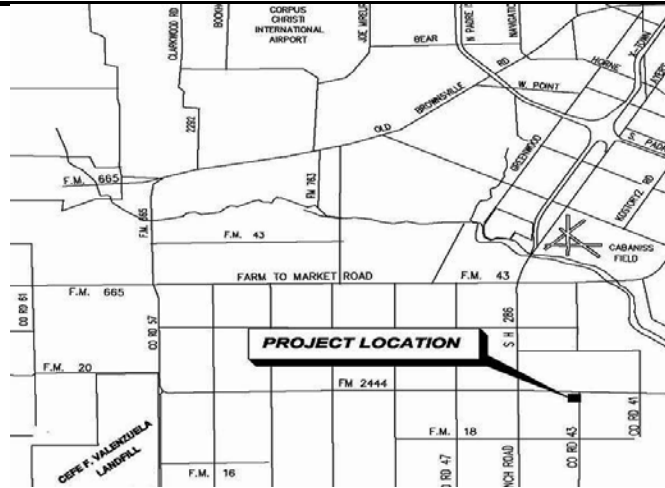
Sequence #11

PROJECT TITLE: Staples Street Pump Station Phase 2 - Third and Fourth Pumps

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The South Staples Booster Pump Station is equipped with two high service pumps that presently serve the South Side service area. Current operations indicate that additional pumps may be needed to maintain the minimum required pressure. An upgraded pumping system will enable the pump station to meet upcoming demand associated with planned decommissioning of the Holly Rd. Pump Station. The project will address pumping backup requirements during pump maintenance. Addition of Variable Speed Drives (VSDs) will improve pumps and provide more efficient energy use. Electrical upgrades are also required in order to meet the Alternative Capacity Requirement (ACR) as required by TCEQ. Control system upgrade will allow the pump station to operate automatically, unmanned.



PROJECT NOTES:

DISTRIBUTION	
Project No:	E12004
A/E Consultant:	Urban Engineering, Inc.
Contractor:	TBD
Award Design:	April 2012
Award Construction:	Dec. 2016
Anticipated Completion:	June 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	381.2						381,200
Construction		1,800.0	585.0				2,385,000
Contingency		180.0	58.0				238,000
Inspection/Other	20.4	170.0	44.4				234,800
TOTAL:	401.6	2,150.0	687.4	-	-	-	\$ 3,239,000
Source of Funds							
Revenue Bond	401.6	2,150.0	687.4				3,239,000
TOTAL:	401.6	2,150.0	687.4	-	-	-	\$ 3,239,000

OPERATIONAL IMPACT:

Improved efficiencies should reduce current inefficient operational costs.

Department: WATER

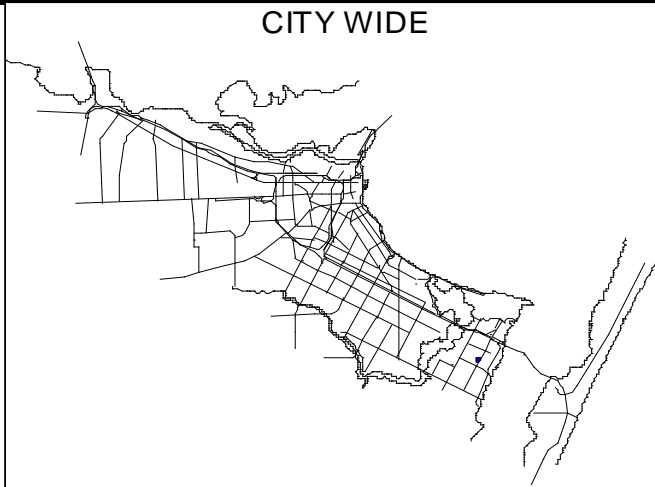
Sequence #12

PROJECT TITLE: Water Transmission Infrastructure Cathodic Protection Improvements

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

Cathodic protection (CP) is an effective method protecting unground steel infrastructures from corrosion. CP systems require periodical inspection and evaluation to ensure their effectiveness. This project provides for design and construction of Water Distribution Transmission Infrastructure cathodic protection to protect and extend useful service life of major investment of transmission lines in Leopard Street and South Side Water Transmission from ON Stevens to Padre Island.



PROJECT NOTES:

TREATMENT

Project No: E15093
 A/E Consultant: Russell Corrosion
 Contractor: TBD
 Award Design: May 2015
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	41.0						41,000
Construction		800.0					800,000
Contingency		40.0					40,000
Inspection/Other	7.8	40.0					47,800
TOTAL:	48.8	880.0	-	-	-	-	\$ 928,800
Source of Funds							
Revenue Bond	48.8	880.0					928,800
TOTAL:	48.8	880.0	-	-	-	-	\$ 928,800

OPERATIONAL IMPACT:

Cathodic protection design of water transmission infrastructure will extend useful service life of infrastructure asset.

Department: WATER

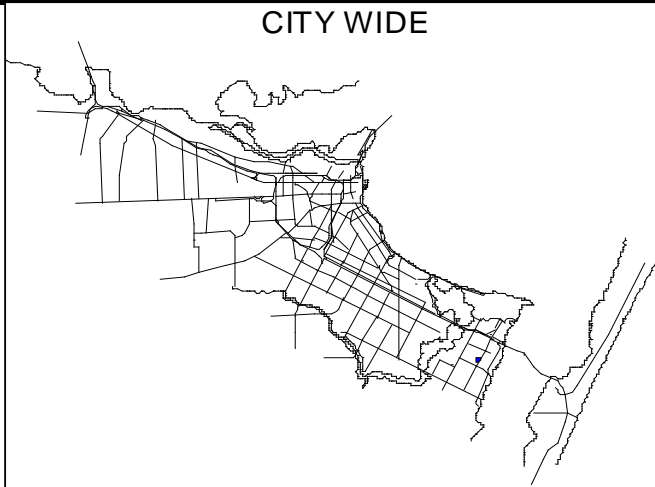
Sequence #13

PROJECT TITLE: Water Meter and Automated Meter Reading Improvements

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The City of Corpus Christi currently operates approximately 94,000 water meters. Due to new developments and upgrades in our Automatic Meter Reading (AMR) infrastructure, it is deemed necessary to maintain adequate stock levels of meters and AMR components (Meter Transmission Units - MTU's). The Water Department will be upgrading approximately 4000 MTU's. The additional units requested will maintain sufficient stock levels needed for future development and regular maintenance of AMR smart meter program. City technicians will replace water meters and AMR components in the distribution system when maintenance activities are concluded.



PROJECT NOTES:

TREATMENT

Project No: E13049
 A/E Consultant: N/A
 Contractor: In-House
 Award Design: N/A
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Equipment & Installation		475.0	225.0	225.0	225.0	1,575.0	2,725,000
Contingency							-
Inspection/Other		25.0	25.0	25.0	25.0	175.0	275,000
TOTAL:		500.0	250.0	250.0	250.0	1,750.0	\$ 3,000,000
Source of Funds							
Revenue Bond		500.0	250.0	250.0	250.0	1,750.0	3,000,000
TOTAL:		500.0	250.0	250.0	250.0	1,750.0	\$ 3,000,000

OPERATIONAL IMPACT:

Reduced lead time for material purchase and adequate stock levels of meters, registers and MTU's will expedite troubleshooting calls and will minimize repeat visits due to lack of product inventory.

Department: WATER

Sequence #14

PROJECT TITLE: ON Stevens Water Treatment Plant Fluoride Feed System Improvements

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The existing Fluoride feed system at ONSWTP consists of three outdoor double-walled polyethylene bulk storage tanks and two polyethylene day tanks and pumps. The fluoride feed system has experienced failures of the various feed system components. This project provides for replacement of existing equipment with two new bulk storage tanks, a new exterior day tank and new peristaltic pumps mounted on skids and a new steel pre-engineered building to house pump skids. Additional work will include rehabilitation of injection points for Clearwell No. 1 and Clearwell No. 2 and modernization of the plant fluoride injection control and monitoring system to improve the optimization and control of fluoride addition with flow-paced control. Design of this project was included in another contract.



PROJECT NOTES:

TREATMENT	
Project No:	E15233
A/E Consultant:	LVN, Inc.
Contractor:	TBD
Award Design:	Oct. 2015
Award Construction:	Dec. 2016
Anticipated Completion:	July 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction			1,000.0				1,000,000
Contingency			50.0				50,000
Inspection/Other			50.0				50,000
TOTAL:			1,100.0	-	-	-	\$ 1,100,000
Source of Funds							
Revenue Bond			1,100.0				1,100,000
TOTAL:			1,100.0	-	-	-	\$ 1,100,000

OPERATIONAL IMPACT:

The identified fluoride feed system improvements will accommodate current feed efficiency goals and long-term capacity goals and should not affect the operational budget.

Department: WATER

Sequence #15

PROJECT TITLE: Utility Building Expansion

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The existing Utility Building at Holly Road cannot meet the the City's progressive office and work area needs. The expansion and improvemens of the existing Utility Building will provide more office and working areas for Utilities Department. This project includes the architectural renovation and structural improvements to meet the requirements of the latest building codes. A Design/Build Contractor will be solicited for delivery of this project after the City leads a completes a preliminary study.



PROJECT NOTES:

ADMINISTRATION

Project No: E15157
 A/E Consultant: TBD
 Contractor: TBD
 Award Design/Build: Feb. 2017
 Anticipated Completion: May 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	49.9	150.0					199,900
Construction		150.0	1,250.0	2,500.0			3,900,000
Contingency			125.0	250.0			375,000
Inspection/Other		50.1	125.0	250.0			425,100
TOTAL:	49.9	350.1	1,500.0	3,000.0	-	-	\$ 4,900,000
Source of Funds							
Revenue Bond	49.9	350.1	1,500.0	3,000.0			4,900,000
TOTAL:	49.9	350.1	1,500.0	3,000.0	-	-	\$ 4,900,000

OPERATIONAL IMPACT:

The proposed expansion will improve the operational capacity of Utilities Department.

Department: WATER

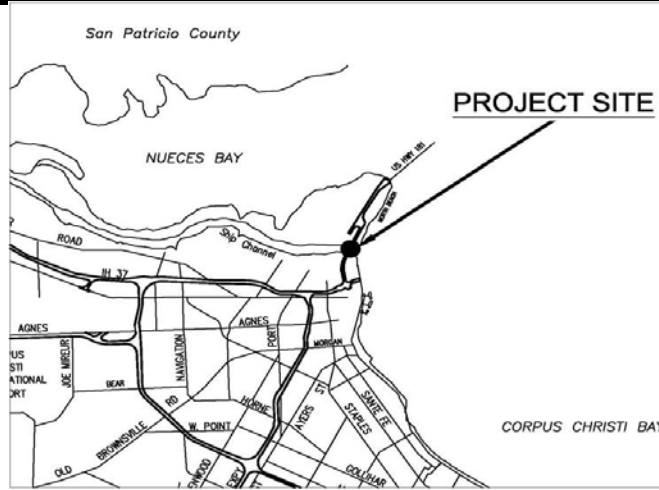
Sequence #16

PROJECT TITLE: Texas Department of Transportation Water Line Relocation - New Harbor Bridge

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project is required to relocate the water line within Harbor Bridge easement to meet the construction needs of the Texas Department of Transportation's (TxDOT) new Harbor Bridge project. The City will be responsible for contributing towards the cost of the project and TxDOT will be responsible for construction.



PROJECT NOTES:

DISTRIBUTION	
Project No:	E15158
A/E Consultant:	N/A
Contractor:	N/A
Award Design:	N/A
Award Construction:	N/A
Anticipated Completion:	N/A

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction	1,075.9		3,900.0				4,975,900
Contingency							-
Inspection/Other	12.0	88.3	100.0				200,300
TOTAL:	1,087.9	88.3	4,000.0	-	-	-	\$ 5,176,200
Source of Funds							
Revenue Bond	1,087.9	88.3	4,000.0				5,176,200
TOTAL:	1,087.9	88.3	4,000.0	-	-	-	\$ 5,176,200

OPERATIONAL IMPACT:

The operational impact of this project is negligible, but it is required to facilitate construction of the new Harbor Bridge.

Department: WATER

Sequence #16

PROJECT TITLE: Developer Utility Participation - Water

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

Under the Platting Ordinance, the City participates with developers on utility construction for over-sized main lines (via Trust Funds). This project will provide for the City's share of such projects as necessary up to the approved amount.



PROJECT NOTES:

DISTRIBUTION

Project No: E12213
 A/E Consultant: N/A
 Contractor: N/A
 Award Design: N/A
 Award Construction: N/A
 Anticipated Completion: N/A

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction		300.0	49.0	50.0	50.0	350.0	799,000
Contingency							-
Inspection/Other							-
TOTAL:		300.0	49.0	50.0	50.0	350.0	\$ 799,000
Source of Funds							
Revenue Bond		300.0	49.0	50.0	50.0	350.0	799,000
TOTAL:		300.0	49.0	50.0	50.0	350.0	\$ 799,000

OPERATIONAL IMPACT:

This item should increase water revenues through additional customer usage.

Department: WATER

Sequence #18

PROJECT TITLE: Naval Air Station Water Distribution Infrastructure Improvements

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project will improve the water infrastructure at Naval Air Station Corpus Christi. A 16-inch water line will be placed to improve water pressures and improve existing water residuals. The proposed line will tie into an existing water main and run approximately 12,500 linear feet into the Naval Air Station Facility.



PROJECT NOTES:

DISTRIBUTION

Project No: E14064
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		450.0					450,000
Construction					3,000.0	850.0	3,850,000
Contingency					300.0	85.0	385,000
Inspection/Other		50.0			200.0	65.0	315,000
TOTAL:		500.0	-	-	3,500.0	1,000.0	\$ 5,000,000
Source of Funds							
Revenue Bond		500.0	-	-	3,500.0	1,000.0	5,000,000
TOTAL:		500.0	-	-	3,500.0	1,000.0	\$ 5,000,000

OPERATIONAL IMPACT:

This item should increase water revenues through additional customer usage.

PROJECT TITLE: ON Stevens Water Treatment Plant Solids Handling and Disposal Facilities

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project will consist of planning, design and construction activities associated with the generation, collection, handling and temporary disposal of solids and sludge generated at the O.N. Stevens Water Treatment Plant. The design and construction of new and permanent sludge disposal facilities will be handled as part of a separate project. This project will evaluate alternatives for solids handling. Currently, the pre-sedimentation basins, and north and south lagoons, serve as temporary storage of water treatment residuals; when they are full, these residuals are pumped to the Pollywog Ponds. The Pollywog Ponds are nearing capacity and new methods of solids handling and disposal need to be identified and implemented. This project will address dredging, modifications/upgrades and rehabilitation of temporary storage facilities such as pre-sedimentation basins. In addition, this project will evaluate options for long term solids disposal; however, the design and construction activities related to new sludge disposal facilities will not be funded under this project.



PROJECT NOTES:

TREATMENT

Finance Project No:	180195
Engineering Project No:	8607
A/E Consultant:	TBD
Contractor:	TBD
Award Design:	TBD
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		750.0	500.0				1,250,000
Construction				4,500.0	5,000.0		9,500,000
Contingency				250.0	250.0		500,000
Inspection/Other		87.0	100.0	250.0	250.0		687,000
TOTAL:		837.0	600.0	5,000.0	5,500.0	-	\$ 11,937,000
Source of Funds							
Revenue Bond		837.0	600.0	5,000.0	5,500.0		11,937,000
TOTAL:		837.0	600.0	5,000.0	5,500.0	-	\$ 11,937,000

OPERATIONAL IMPACT:

Providing solids material handling at the water plant is essential to water plant operations and for compliance with TCEQ permit regulations. Without a place to dispose of solids the Plant will not be able to treat water and face TCEQ permit violations. This should not increase current treatment costs.

PROJECT TITLE: ON Stevens Water Treatment Plant Chlorine Storage and Handling Facilities

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The ON Stevens Water Treatment Plant currently uses chlorine gas to form monochloramines, the primary disinfectant in water treatment. Up to 185 tons of liquid chlorine can be stored and handled on site, in a combination of rail cars and one-ton cylinders. This project will provide necessary improvements to storage and handling infrastructure, including but not limited to: ventilation, storage vessel handling, leak detection, alarm system, emergency containment, and process measurement and control.



PROJECT NOTES:

ADMINISTRATION

Project No: E10144
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: March 2017
 Award Construction: May 2018
 Anticipated Completion: Feb. 2019

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			900.0				900,000
Construction				4,000.0	3,000.0		7,000,000
Contingency				250.0	250.0		500,000
Inspection/Other			100.0	250.0	250.0		600,000
TOTAL:			1,000.0	4,500.0	3,500.0	-	\$ 9,000,000
Source of Funds							
Revenue Bond			1,000.0	4,500.0	3,500.0		9,000,000
TOTAL:			1,000.0	4,500.0	3,500.0	-	\$ 9,000,000

OPERATIONAL IMPACT:

Proposed improvements will increase safety and containment, upgrade leak detection and leak mitigation facilities as well as process monitoring and control.

PROJECT TITLE: Nueces River Raw Water Pump Station

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

A major upgrade to the existing pumping facility is needed to meet current and future peak water demands. The Nueces River Pump Station provides raw water to the ON Stevens Water Treatment Plant (ONSWTP). The pump station consists of two pump buildings. Pump Bldg. 1 is over 50 years old and four of its pumps were struck by lightning several years ago and were damaged beyond repair. The pumping capacity for the Nueces River Pump Station is 140.5 MGD, when all six (6) available raw water pumps are operational. The Firm Capacity (defined as system delivery capacity with the largest single water well or production unit out of service) is 103.0 million gallons per day (MGD). The ONSWTP's maximum raw water intake for the last four (4) years is 132 MGD. The Nueces River Pump Station is currently unable to draw enough water to meet this peak. The Mary Rhodes Pipeline currently conveys 30 MGD of raw water, which will not meet the peak demand should a failure occur in the Nueces River Pump Stations. This project will also address redundant electric power source for the pump station.



PROJECT NOTES:

TREATMENT

Project No: E11068
 A/E Consultant: Urban Engineering, Inc.
 Contractor: TBD
 Award Design: Sept. 2014
 Award Construction: Feb. 2017
 Anticipated Completion: July 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	2,849.9						2,849,900
Construction		4,800.0	3,000.0	6,000.0			13,800,000
Contingency		480.0	200.0	600.0			1,280,000
Inspection/Other	77.9	207.0	200.0	400.0			884,900
TOTAL:	2,927.8	5,487.0	3,400.0	7,000.0	-	-	\$ 18,814,800
Source of Funds							
Revenue Bond	2,927.8	5,487.0	3,400.0	7,000.0			18,814,800
TOTAL:	2,927.8	5,487.0	3,400.0	7,000.0	-	-	\$ 18,814,800

OPERATIONAL IMPACT:

This project provides for an uninterrupted water supply from Nueces River. The need for reliable, redundant sources of raw water will be met and the City can confidently welcome new businesses. Should this project not be realized, and the ONSWTP is faced with peak water demands, the City could face water shortages and a less than favorable public image. Operational budget impact should be improved through more efficient equipment.

PROJECT TITLE: ON Stevens Water Treatment Plant Electrical Distribution Improvements

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project will address ONSWTP plant-wide electrical upgrades. Existing electrical equipment is nearing the end of design life and needs to be replaced. The project will integrate all new and existing electrical power equipment into a monitoring network with diagnostic and remote management capability. Cable trays will be extended to allow maximum flexibility and redundancy in power delivery.



PROJECT NOTES:

DISTRIBUTION

Project No: E15160
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering					350.0		350,000
Construction					500.0	2,000.0	2,500,000
Contingency					50.0	250.0	300,000
Inspection/Other					100.0	250.0	350,000
TOTAL:					1,000.0	2,500.0	\$ 3,500,000
Source of Funds							
Revenue Bond					1,000.0	2,500.0	3,500,000
TOTAL:					1,000.0	2,500.0	\$ 3,500,000

OPERATIONAL IMPACT:

This project will avoid plant shutdowns due to aged electrical equipment. Managed electrical system performance with early detection of potential causes of failure will be achieved. Power consumption monitoring for optimization to reduce operational cost.

Department: WATER

Sequence #23

PROJECT TITLE: Padre Island Water Pipeline Extension, Phase 3

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project provides for the final section to extend the 18-inch water transmission main, 8-inch gas pipeline and 4-inch MIS conduit on Padre Island from approximately Aquarius Street to the Sand Dollar Pumping Station.



PROJECT NOTES:

DISTRIBUTION

Project No: E16325
 A/E Consultant: Urban Engineering
 Contractor: TBD
 Award Design: Aug. 2016
 Award Construction: Sept. 2017
 Anticipated Completion: May 2018

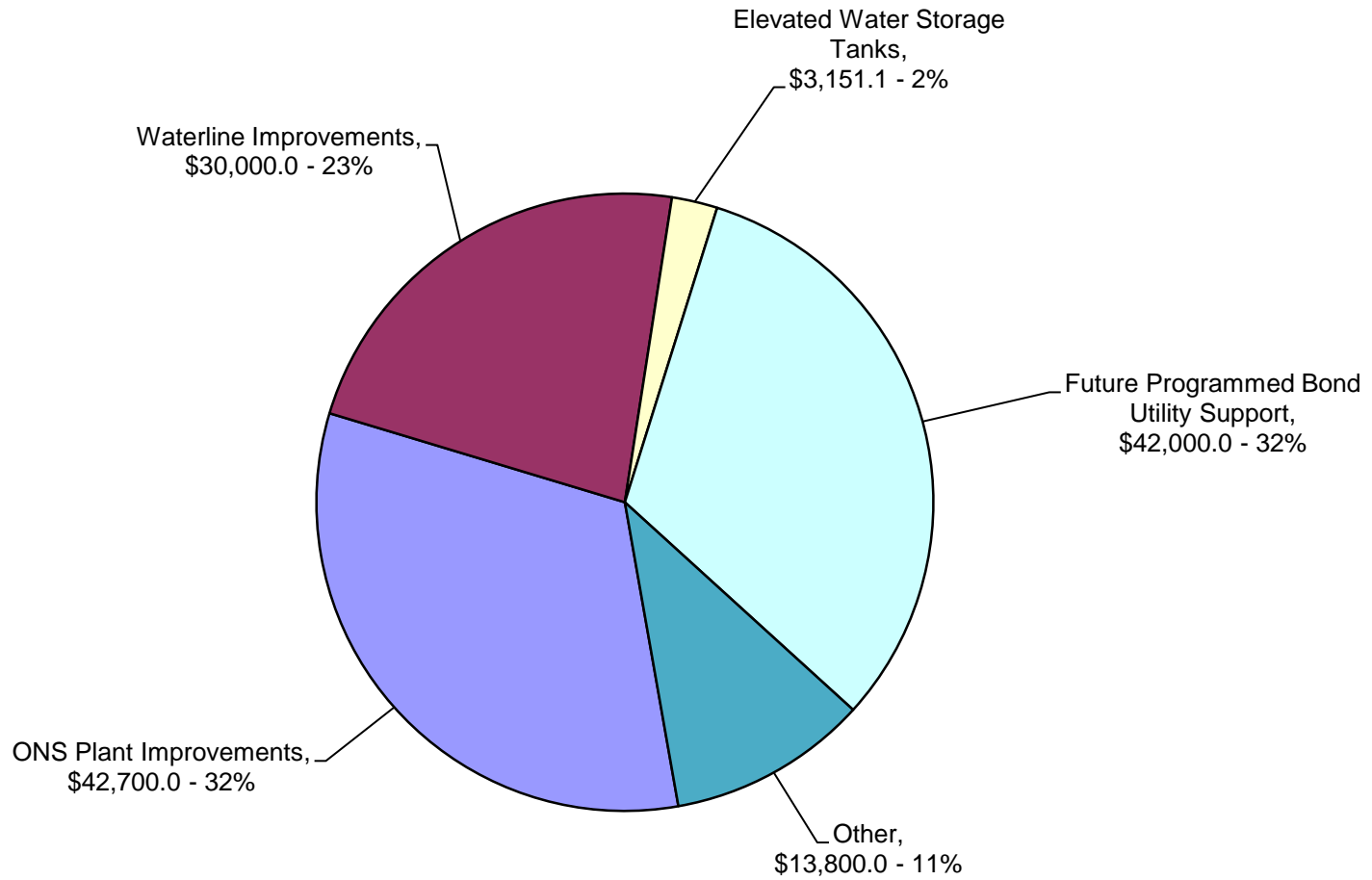
FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			140.0				140,000
Construction			200.0	800.0			1,000,000
Contingency			10.0	80.0			90,000
Inspection/Other			50.0	120.0			170,000
TOTAL:			400.0	1,000.0	-	-	\$ 1,400,000
Source of Funds							
Revenue Bond			400.0	1,000.0			1,400,000
TOTAL:			400.0	1,000.0	-	-	\$ 1,400,000

OPERATIONAL IMPACT:

This project will provide utility redundancy to the Island and should be a nominal impact to the operational budget.

Water
Long-Range CIP: \$131,651.1
(Amounts in 000's)



		<u>Long-Range Year</u>
1	<u>Programmed Water Line Service Life Extension (continued)</u> This project provides for a strategic lifecycle program development and cost benefit analysis for the City's approximate 1,368 miles of distribution lines. The project will identify and prioritize capital improvement projects (CIP) in a phased approach to extend the service life of the lines while enhancing monitoring capability and water quality. Additional benefits will include increased distribution reliability with reduced service outages, and reduced operational costs. A major priority of the lifecycle improvements will maximize CIP investments increasing capacity of the system and deferring unnecessary major upgrades to pump stations and plants. Analysis and design will be completed in years one and two with construction to begin in years three through ten.	\$30,000,000 4, 5, 6, 7, 8, 9, 10
2	<u>Elevated Water Storage Tanks - Citywide (continued)</u> The existing distribution system pressures are maintained primarily by valves and pump stations. This project will provide multiple 2 MGD elevated storage tanks, city-wide, that will reduce operating cost and improve pressure and reliability. This is part of the City's master plan and address TCEQ elevated storage requirements. The new tanks will be approximately 170 LF tall and will require a series of tanks throughout the city to balance the pressures. Design will begin in year one and construction will take place over a series of years dependent upon availability of funding.	\$3,151,100 4
3	<u>ON Stevens Water Treatment Plant Chemical Facilities (Alum, Fluoride, Polymer and LAS) (continued)</u> The existing chemical feed equipment is beyond its useful service life resulting in costly maintenance with obsolete technology. This project will modernize the chemical storage and chemical feed systems at the ONS Water Treatment Plant which optimizes the dosage, reliability, monitoring and control of water treatment chemicals. These improvements are also needed to meet requirements of Texas Commission on Environmental Quality (TCEQ) Rules and Regulations 30 TAC 290.42., and to support future plans to increase water treatment capacity at ONSWTP. To minimize the impacts to operations and achieve cost efficiencies, the construction will be combined with ONSWTP Raw Water Influent Improvements project and awarded as one construction contract. The combined construction is anticipated to compete at the end of 2019.	\$2,000,000 4
4	<u>ONS Water Treatment Plant Raw Water Influent Improvements (continued)</u> The existing raw water piping configuration and raw water junction box at the O.N. Stevens Water Treatment Plant currently limits the hydraulic capacity of the Plant. Existing piping makes it difficult to split incoming water flow between the four treatment trains. This project proposes to eliminate all hydraulic constrictions in the front end piping, to allow raw water to be routed through the Presedimentation Basin, and provide a passive flow split between the four treatment trains. Construction will begin after completion of the AEP Transmission Line Realignment. This project also includes demolishing the existing maintenance building which has reached the end of its service life and is blocking the proposed piping route, and constructing a new one.	\$5,000,000 4

		Long-Range Year
5	<u>Water Program Management (continued)</u> This project provides a mechanism to fund programmatic planning, oversight and implementation of capital improvement projects. The purpose of this item is to ensure that the technical, fiscal and operational aspects of all Capital Improvements Projects for the Water Department are fully funded and managed on a full-time basis, to include integration with maintenance and repair projects. This project will provide a holistic approach to the management of projects and consider efficient project sequencing and overall master planning for the water program. In order to properly manage these projects, the individual or group of individuals must have comprehensive knowledge and experience in Surface Water Treatment (to include raw water pump stations) and Water Distribution Systems; project management; and program management. We envision this to be a recurring requirement over the next 10 to 15 years.	\$2,450,000 4, 5, 6, 7, 8, 9, 10
6	<u>ON Stevens Water Treatment Plant Site Infrastructure Improvements (continued)</u> This project will serve as a mechanism to execute major facility and process improvements, end-of-life equipment replacement and unanticipated capital upgrades on annual basis. The improvements will include, but not limited to, gradual replacement of filter media for 22 water filters; Plant-wide rehabilitation of driveways; storm water drainage repair and improvements; other capital improvements as warranted and based on available funding.	\$3,500,000 4, 5, 6, 7, 8, 9, 10
7	<u>Water Meter and Automated Meter Reading Replacements (continued)</u> The City of Corpus Christi currently operates approximately 94,000 water meters. Due to new development and upgrades in our Automatic Meter Reading (AMR) infrastructure, it is deemed necessary to maintain adequate stock levels of meters and AMR components (Meter Transmission Units - MTU's). City will be upgrading approximately 4000 MTU's; the additional units requested will allow us to maintain sufficient stock levels needed for future development and regular maintenance of our AMR smart meter program. City technicians will replace water meters and AMR components in the distribution system when maintenance activities are concluded.	\$1,750,000 4, 5, 6, 7, 8, 9, 10
8	<u>Developer Participation - Water (continuation)</u> Under the Platting Ordinance, the City participates with developers on utility construction for over-sized main lines (Trust Fund). This project will provide for the City's share of such projects as necessary up to the approved amount.	\$350,000 4, 5, 6, 7, 8, 9,
9	<u>NAS Water Distribution Infrastructure Improvements (continuation)</u> This project will improve the water infrastructure at Naval Air Station Corpus Christi. A 16-inch C900 water line will be placed to improve water pressures and improve existing water residuals. The proposed line will tie into an existing water main and run approximately 12,500 linear feet into the Naval Air Station Facility.	\$1,000,000 4

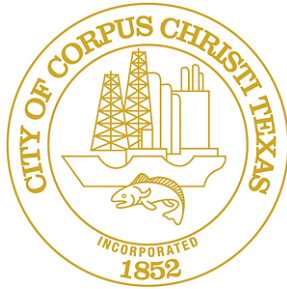
		Long-Range Year
10	<p><u>ON Stevens Water Treatment Plant Electrical Distribution Improvements (continuation)</u> <u>\$2,500,000</u></p> <p>The electrical equipment at the O.N. Stevens Water Treatment Plant (ONSWTP) was installed under various construction contracts over the past 50 years. Some of the equipment is obsolete and replacement parts are no longer available and some of the equipment is deteriorated beyond economic repair. Current funding will equip the ONSWTP with a new 5 KV redundant electrical supply feeder that will loop around the plant. This new feeder will complete an electrical supply loop around the facility and create an alternate route should the power supply be interrupted. Electrical power will be routed through new Power Control Rooms designed to supply power to various process control systems.</p>	4
11	<p><u>ON Stevens Water Treatment Plant Clearwell No. 3</u> <u>\$27,000,000</u></p> <p>This project will provide for a new clearwell at the ON Stevens Water Treatment Plant when demand occurs.</p>	4, 5, 6, 7
12	<p><u>ON Stevens Water Treatment Plant Alternate Power -Generator #4</u> <u>\$1,215,000</u></p> <p>This project will provide an additional power source at the water plant to keep up with the power demand as the plant operations continue to expand to increase water treatment capacity. This project will also provide a back-up power supply for operations at the plant.</p>	9
13	<p><u>ONS Water Treatment Plant Construct Monofill on Site</u> <u>\$540,000</u></p> <p>This project accompanies the ON Stevens Solids Handling facilities and needs to be in place when the facility is completed. Additional costs will be incurred in later years, but are not shown here.</p>	9+
14	<p><u>ONS Water Treatment Plant Improvements to Presedimentation Basin</u> <u>\$945,000</u></p> <p>This project will provide improvements to increase the sedimentation detention time through construction of baffle walls or other means to rectify the short circuiting problem the plant is currently experiencing. Additional costs will be incurred in later years, but are not shown here.</p>	9+
15	<p><u>Atlee Cunningham Water Treatment Plant</u> <u>\$8,250,000</u></p> <p>The ON Stevens Water Treatment Plant (ONSWTP) is the only water treatment facility for the City of Corpus Christi, the local oil refineries, and other large volume user. A redundant treatment facility is needed to ensure an uninterrupted supply of treated water, should a failure occur at the ONSWTP. The Atlee Cunningham WTP Phase 1 (20MGD) project will construct a new Membrane Technology 20 MGD WTP, with subsequent phases increasing the treatment capacity to 80 MGD. Constructing on the City of Corpus Christi owned Atlee Cunningham WTP will also provide a location for Aquifer Storage and Recovery (ASR).</p>	6, 7, 8, 9

		<u>Long-Range Year</u>
16	Future Programmed Bond Utility Support - Water	
		\$42,000,000
	This project supports General Obligation Bond, Texas Department of Transportation, and Community Development Block Grant required utility relocations as needed.	
		4, 5, 6, 7, 8, 9
<u>TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:</u>		<u>\$131,651,100</u>



WASTEWATER

Obligation to the Future



CITY OF CORPUS CHRISTI WASTEWATER PROGRAM

This year's Wastewater Capital Improvement Program represents a significant investment in the City's aging wastewater system. Planned improvements will allocate resources between the upgrading of treatment facilities, improved capacity of wastewater mains, the reduction of wastewater odors, and securing alternate power at critical facilities. Significant initiatives included in the Capital Improvement Program are focused on insuring compliance with state and federal regulatory requirements. The City of Corpus Christi's Wastewater Department is currently responsible for six wastewater treatment plants, ninety-nine lift stations, approximately 1,243 miles of wastewater mains, and approximately 54 miles of force mains.

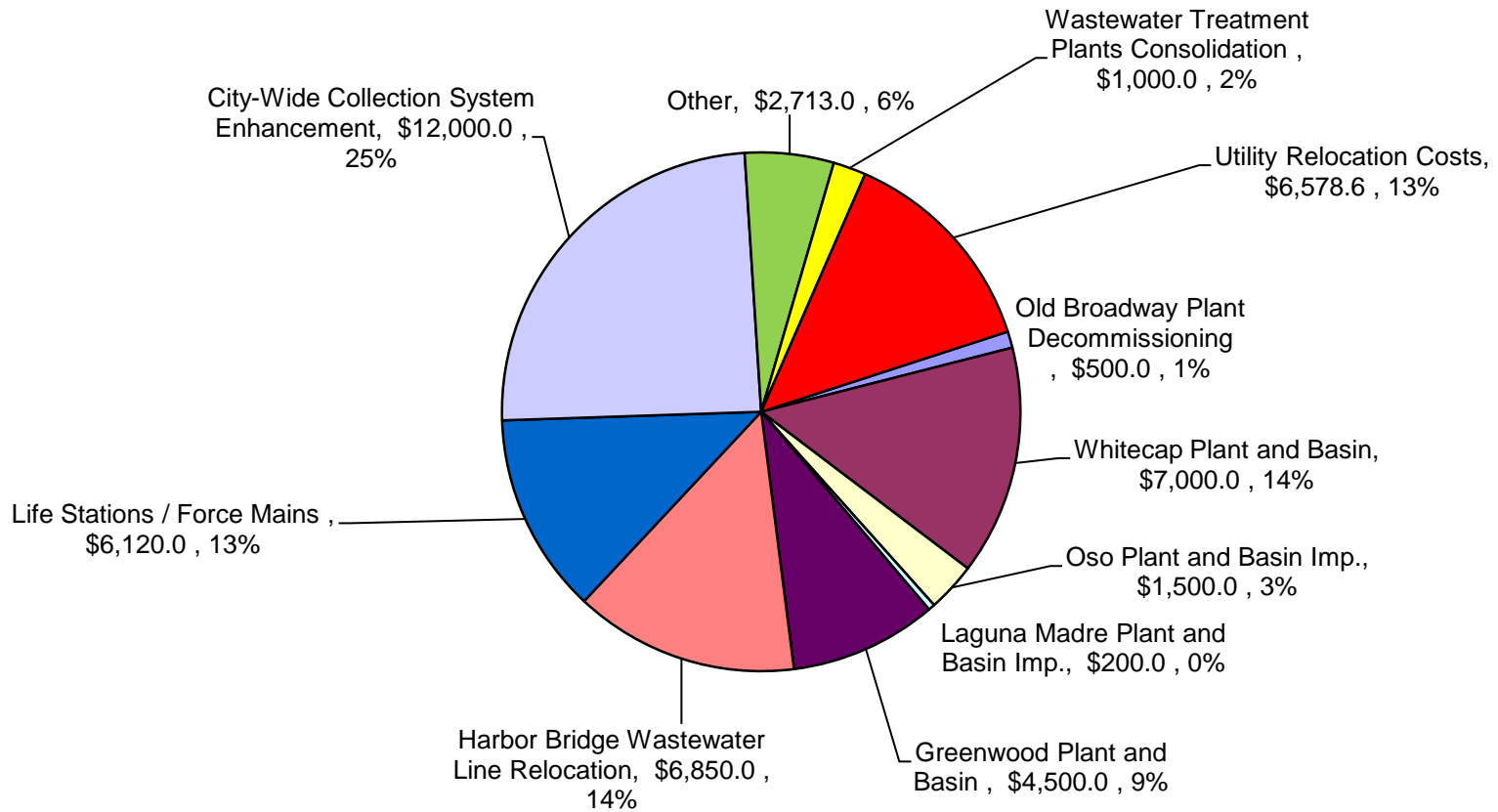
Over the next several years, the integrity of the City's Wastewater facilities will be secured through projects planned to provide additional capacity, emergency power, regulatory compliance and replacement of aging infrastructure. In a proactive approach, an evaluation of the wastewater lines in the existing collection systems has resulted in a replacement schedule of lines in the poorest condition and those creating the most severe maintenance issues. This program will replace lines on a yearly basis to the extent that funding allows increasing the effectiveness and efficiency of the wastewater collection system with the ultimate goal of minimizing system life-cycle operations and maintenance costs.

Included in this year's Wastewater Capital Improvement Program is the continuation of exploring the viability of consolidating the City's wastewater treatment plants. The objective of the project is to determine the optimal long-range wastewater treatment plant upgrade, consolidation and trunk sewer / pumping scenario. The optimal strategy will minimize the impact to ratepayers from recommended improvements. After determining the optimal strategy, an improvements implementation plan will be developed which will elaborate logical project limits for procurement, project sequencing, overall program schedule and budgets for each element.

A recap of the budgeted expenditures includes:

EXPENDITURES:	YEAR ONE 2016 – 2017	YEAR TWO 2017 – 2018	YEAR THREE 2018 – 2019
TOTAL PROGRAMMED EXPENDITURES:	\$ 48,961,600	\$ 50,013,000	\$ 37,013,000
FUNDING:			
New Debt (Revenue Bonds):	\$ 34,784,700	\$ 50,013,400	\$ 37,013,000
Pay As You Go (Cash):	\$ 14,176,900	\$ 0	\$ 0
TOTAL PROGRAMMED FUNDS:	\$ 48,961,600	\$ 50,013,000	\$ 37,013,000

**Wastewater
Annual CIP: \$48,961.6
(Amounts in 000's)**



Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
WW 01	Whitecap Wastewater Treatment Plant UV System Upgrade Finance and Engineering Number: E10179	870.5	2,303.7	4,500.0			4,500.0
WW 02	City-Wide Collection System IDIQ (SSOI) Finance and Engineering Number: E12161 / E14015 / E15089 / E15175 / E15209	21,042.2	2,227.3	12,000.0	13,000.0	13,000.0	38,000.0
WW 03	Laguna Shores Road Force Main Replacement Finance and Engineering Number: E10054	643.4	2,476.3	500.0	3,000.0	500.0	4,000.0
WW 04	Oso Water Reclamation Plant Infrastructure Rehabilitation and Improvements Finance and Engineering Number: E12206	10,159.1	680.9	1,500.0	12,000.0	13,000.0	26,500.0
WW 05	Laguna Madre WWTP Head Works & Bar Screen Improvements Finance and Engineering Number: E10048	3,499.2	386.7	200.0			200.0
WW 06	Capacity Assessment Improvements Finance and Engineering Number: E14053		500.0	2,000.0	2,000.0	2,000.0	6,000.0
WW 07	Wastewater Treatment On-Call Support Finance and Engineering Number: E16264			350.0	350.0	350.0	1,050.0
WW 08	Greenwood WWTP Electrical Improvements to UV System Finance and Engineering Number: E10180	56.7	1,223.2	2,500.0	3,000.0		5,500.0

**WASTEWATER
SHORT RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
WW 09	McBride Lift Station and Force Main Improvements Finance Number: 200452 / E14054 Engineering Number: 7287 / E14054	1,851.4		3,100.0	1,500.0		4,600.0
WW 10	Lift Station Repairs - Citywide Finance and Engineering Number: E16304	1,463.1	1,416.7	1,500.0	1,500.0	1,500.0	4,500.0
WW 11	Sharpsburg Lift Station Upgrade & Up River Road Force Main Rehabilitation Finance Number: 150265 Engineering Number: 7389	632.5	3,884.7	200.0			200.0
WW 12	Allison Wastewater Treatment Plant Lift Station and Plant Improvements Finance and Engineering Number: E10043	293.6	4,250.4				-
WW 13	Old Broadway Wastewater Plant Decommissioning Finance and Engineering Number: E12159	1,847.5	2,759.5	500.0	4,000.0	-	4,500.0
WW 14	Citywide Wastewater Lift Station Alternate Power Supply Finance Number: 150785 Engineering Number: 7427	7.2	274.7	300.0	300.0	300.0	900.0
WW 15	Unanticipated Wastewater Capital Requirements Finance and Engineering Number: E12204	16.1	316.6	250.0	250.0	250.0	750.0
WW 16	Greenwood Wastewater Treatment Plant Emissions & Odor Control Improvements Finance and Engineering Number: E10047	464.0	1,740.8				-

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
WW 17	Whitecap Wastewater Treatment Plant Odor Control, Process and Bulkhead Improvements Finance and Engineering Number: E10053	49.5		2,500.0	3,000.0		5,500.0
WW 18	Developer Utility Participation - Wastewater Finance and Engineering Number: E12208	16.8	183.2	113.0	113.0	113.0	339.0
WW 19	Wastewater Treatment Plants Consolidation Finance and Engineering Number: E15145	1,475.9	79.6	1,000.0	1,000.0	1,000.0	3,000.0
WW 20	Greenwood Wastewater Treatment Plant Structural Repairs Finance and Engineering Number: E16329			2,000.0			2,000.0
WW 21	Texas Department of Transportation Wastewater Line Relocation (HARBOR BRIDGE) Finance and Engineering Number: E15158	595.9		6,850.0			6,850.0
WW 22	New Broadway Wastewater Treatment Plant, Phase 2 Finance Number: 190130 Engineering Number: 7293	9,470.9					-
WW 23	Large Diameter Forcemain Condition Assessment Finance and Engineering Number: E16328			520.0			520.0

Seq #	Project Name	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Three Year Total
	Wastewater Program Sub-Total:	54,455.5	24,704.3	42,383.0	45,013.0	32,013.0	119,409.0

	*Utility Relocation Costs for Bond 2008	3.4	4,725.6	-	-	-	-
	*Utility Relocation Costs for Bond 2012	2,769.7	6,049.3	527.9	31.9	-	559.8
	*Utility Relocation Costs for Bond 2014	897.7	219.2	6,050.7	1,772.5	-	7,823.2
	Future Programmed Bond Utility Support	-	-	-	3,195.6	5,000.0	8,195.6

** relocation costs and funding reflected within Streets Program*

	TOTAL PROGRAMMED EXPENDITURES:	58,126.3	35,698.4	48,961.6	50,013.0	37,013.0	135,987.6
--	---------------------------------------	-----------------	-----------------	-----------------	-----------------	-----------------	------------------

CURRENTLY AVAILABLE FUNDING:

	Revenue Bond	58,126.3	35,698.4	-	-	-	-
	Pay As You Go	-	-	14,176.9	-	-	14,176.9

	Total Currently Available:	58,126.3	35,698.4	14,176.9	-	-	14,176.9
--	-----------------------------------	-----------------	-----------------	-----------------	----------	----------	-----------------

RECOMMENDED ADDITIONAL FUNDING:

	** Revenue Bond	-	-	34,784.7	50,013.0	37,013.0	121,810.7
--	-----------------	----------	----------	-----------------	-----------------	-----------------	------------------

	TOTAL PROGRAMMED FUNDS:	58,126.3	35,698.4	48,961.6	50,013.0	37,013.0	135,987.6
--	--------------------------------	-----------------	-----------------	-----------------	-----------------	-----------------	------------------

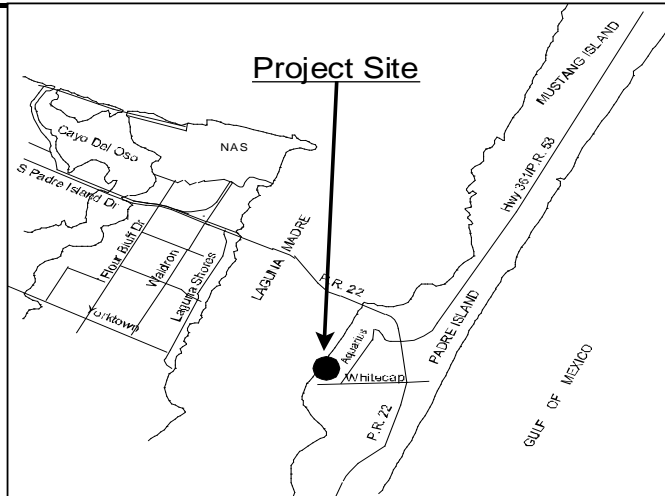
*** Dependent upon availability of funding*

PROJECT TITLE: Whitecap Wastewater Treatment Plant UV System Upgrade

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The purpose of this project is to upgrade the UV disinfection system in order to meet new TCEQ requirements. Work will provide for the design and construction of a new ultraviolet disinfection system with additional filter upgrades to meet recently updated Texas Commission on Environmental Quality (TCEQ) Enterococcus permit levels.



PROJECT NOTES:

Project No: E10179
 A/E Consultant: Freese Nichols
 Contractor: JS Haren
 Award Design: May 2012
 Award Construction: May 2016
 Anticipated Completion: Sept. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	781.7						781,700
Construction		2,000.0	4,000.0				6,000,000
Contingency		200.0	400.0				600,000
Inspection/Other	88.8	103.7	100.0				292,500
TOTAL:	870.5	2,303.7	4,500.0	-	-	-	\$ 7,674,200
Source of Funds							
Revenue Bond	870.5	2,303.7	2,323.1				5,497,300
Pay As You Go			2,176.9				2,176,900
TOTAL:	870.5	2,303.7	4,500.0	-	-	-	\$ 7,674,200

OPERATIONAL IMPACT:

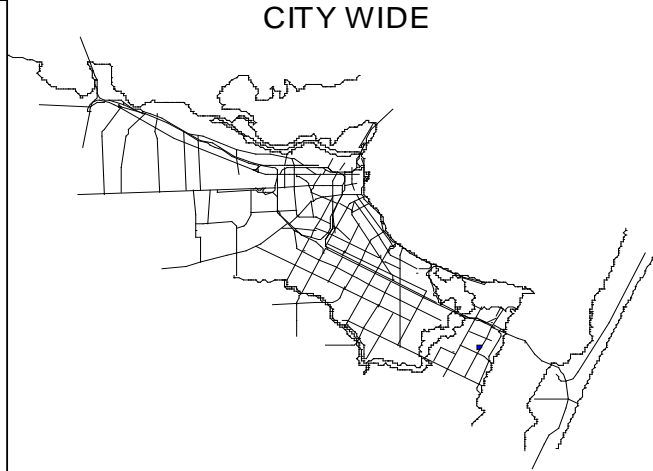
The operational impact on the electrical usage will increase with the additional higher intensity bulbs, but the effect should be nominal. Failure to complete project will result in TCEQ administrative sanctions.

PROJECT TITLE: City-Wide Collection System Indefinite Delivery/Indefinite Quantity Program

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The city-wide Indefinite Delivery / Indefinite Quantity program is a long-term initiative designed to reduce the number and volume of sanitary sewer overflows within the City. It is a key component of the life cycle program component to address collection system conveyance and manhole infrastructure requirements within the City. The program will identify, prioritize and implement specific capital improvement projects in a phased design and construction approach to extend the service life, improve flows, improve water quality, reduce overflows and cave-ins and reduce long-term maintenance costs.



PROJECT NOTES:

Project Nos: E12161 / E14015 / E15089
 E15175 / E15209
 A/E Consultants: LNV / CRG / Urban
 Contractor: TBD
 Award Design: Various
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	2,100.0		900.0	900.0	900.0	9,000.0	13,800,000
Construction	15,781.2	1,900.0	10,000.0	11,000.0	11,000.0	100,000.0	149,681,200
Contingency		190.0	750.0	750.0	750.0	10,000.0	12,440,000
Inspection/Other	3,161.0	137.3	350.0	350.0	350.0	5,000.0	9,348,300
TOTAL:	21,042.2	2,227.3	12,000.0	13,000.0	13,000.0	124,000.0	\$ 185,269,500
Source of Funds							
Revenue Bond Pay As You Go	21,042.2	2,227.3	- 12,000.0	13,000.0	13,000.0	124,000.0	173,269,500 12,000,000
TOTAL:	21,042.2	2,227.3	12,000.0	13,000.0	13,000.0	124,000.0	\$ 185,269,500

OPERATIONAL IMPACT:

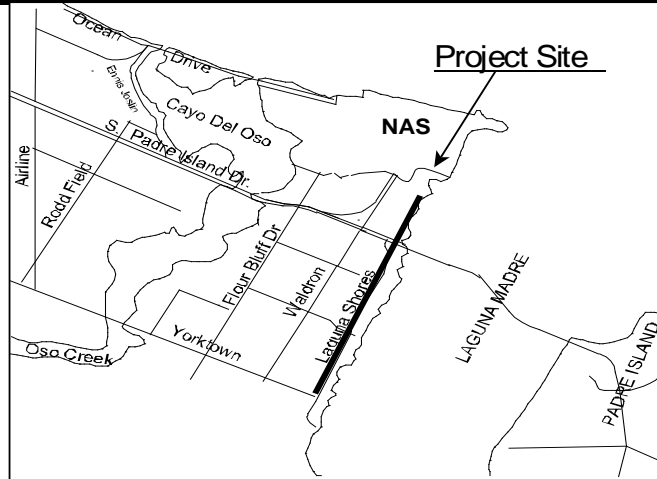
Normal flow to the City's wastewater treatment plants is about 30 million gallons of daily (MGD). When it rains, damaged pipe allow the infiltration of rainwater to flow into the treatment plants and be treated along normal wastewater flows. At a treatment cost of \$2.21 per thousand gallons, a normal rain event could cost the City an additional \$150,000.00 in treatment costs for electrical, chemical and personnel requirements. In addition, damaged lines are prone to overflows of the system and subject to cave-ins. Reducing overflows saves chemical and electrical costs, results in fewer service calls, reduces peak flow and protects the environment.

PROJECT TITLE: Laguna Shores Road Force Main Replacement

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

This project includes the installation of a new force main to convey waste flows from Graham Road to the Laguna Madre WWTP and rehabilitation of the existing 18-inch force main in Laguna Shores Road from Graham Road to the Laguna Madre WWTP. Additional work includes construction of a new Gate Lift Station and associated new gravity wastewater infrastructure necessary to take the existing siphon wastewater line beneath South Padre Island Drive offline.



PROJECT NOTES:

Project No:	E10054
A/E Consultant:	LJA, Inc.
Contractor:	TBD
Award Design:	Oct. 2012
Award Construction:	June 2017
Anticipated Completion:	June 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	598.3		450.0				1,048,300
Construction		2,000.0		2,500.0	400.0		4,900,000
Contingency		200.0		250.0	50.0		500,000
Inspection/Other	45.1	276.3	50.0	250.0	50.0		671,400
TOTAL:	643.4	2,476.3	500.0	3,000.0	500.0		\$ 7,119,700
Source of Funds							
Revenue Bond	643.4	2,476.3	500.0	3,000.0	500.0		7,119,700
TOTAL:	643.4	2,476.3	500.0	3,000.0	500.0		\$ 7,119,700

OPERATIONAL IMPACT:

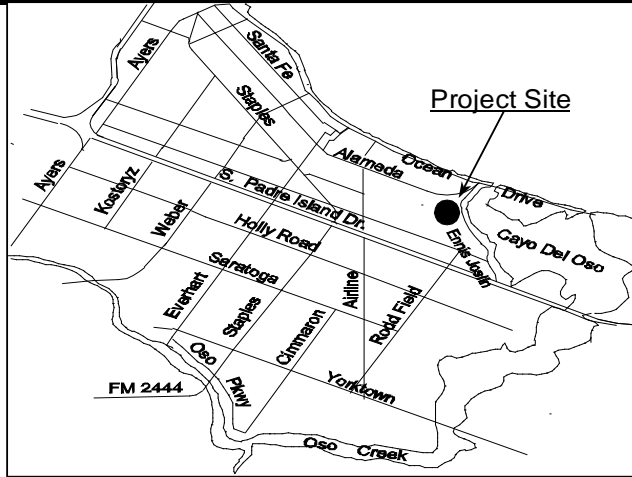
This project will increase operational efficiencies and protect against overflows, preventing enforcement action from the Texas Commission on Environmental Quality.

PROJECT TITLE: Oso Water Reclamation Plant (WRP) Infrastructure Rehabilitation and Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The construction of the Oso WRP Interim Ammonia Improvements Phase 1 has achieved the required interim modifications of the physical, chemical and biological treatment processes to the Oso WRP. This project ensures continued compliance with recent ammonia and nutrient removal permit criteria. Anticipated improvements include a new headworks facility with screening, grit removal and odor control, a new aeration facility with fine bubble diffusion, lift station, aerobic digester #3, and process piping modifications throughout the plant.



PROJECT NOTES:

Project No:	E12206
A/E Consultant:	LNV, Inc.
Contractor:	TBD
Award Design:	June 2013
Award Construction:	Sept. 2017
Anticipated Completion:	Aug. 2020

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	10,024.1		1,000.0				11,024,100
Construction				10,000.0	11,000.0	13,000.0	34,000,000
Contingency				1,000.0	1,000.0	1,000.0	3,000,000
Inspection/Other	135.0	680.9	500.0	1,000.0	1,000.0	1,000.0	4,315,900
TOTAL:	10,159.1	680.9	1,500.0	12,000.0	13,000.0	15,000.0	\$ 52,340,000
Source of Funds							
Revenue Bond	10,159.1	680.9	1,500.0	12,000.0	13,000.0	15,000.0	52,340,000
TOTAL:	10,159.1	680.9	1,500.0	12,000.0	13,000.0	15,000.0	\$ 52,340,000

OPERATIONAL IMPACT:

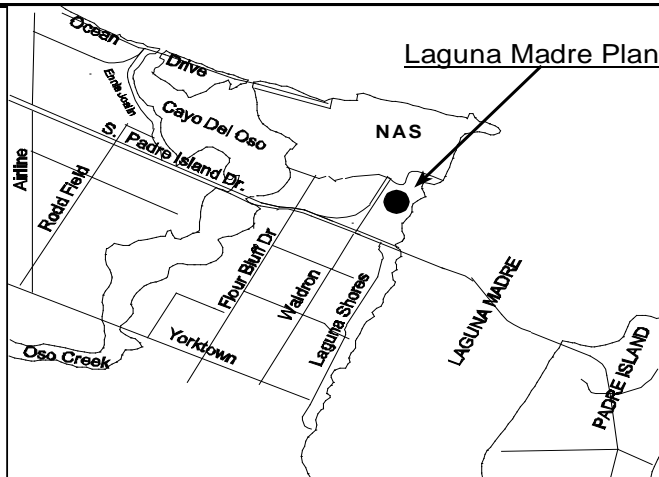
This project will enable the plant to run in a more economical and efficient manner. Operational impact is adversely affected when the plant is not working at optimal levels.

PROJECT TITLE: Laguna Madre WWTP Headworks & Bar Screen Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The Laguna Madre Wastewater Treatment Plant Influent Lift Station headworks pumps and controls were approaching the end of their useful service life and needed to be replaced. Aging pump infrastructure, related equipment and controls adversely affect wastewater treatment operations if they fail and could result in Texas Commission on Environmental Quality (TCEQ) fines. As part of this project, all electrical equipment and relays are being upgraded as well for optimal station performance.



PROJECT NOTES:

Project No: E10048
 A/E Consultant: Urban Engineers, Inc.
 Contractor: Assoc. Construction Partners
 Award Design: June 2013
 Award Construction: May 2015
 Anticipated Completion: Oct 2016

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	543.0						543,000
Construction	2,905.2	300.0					3,205,200
Contingency		30.0					30,000
Inspection/Other	51.0	56.7	200.0				307,700
TOTAL:	3,499.2	386.7	200.0	-	-	-	\$ 4,085,900
Source of Funds							
Revenue Bond	3,499.2	386.7	200.0				4,085,900
TOTAL:	3,499.2	386.7	200.0	-	-	-	\$ 4,085,900

OPERATIONAL IMPACT:

This project will enable the plant to run in a more economical and efficient manner. Operational impact is adversely affected when the plant is not working at optimal levels.

PROJECT TITLE: Capacity Assessment Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

Capacity Assessment Improvements is an on-going program from calibration and field verification of the wastewater hydraulic model to performing alternative analysis and preparing a remediation plan with estimated project costs. The project will include hydraulic model analysis for a wide range of scenarios from the elimination of lift stations to the transfer of flows to other service basins.



PROJECT NOTES:

Project No: E14053
 A/E Consultant: RFQ
 Contractor: N/A
 Award Design: TBD
 Award Construction: N/A
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		450.0	1,800.0	1,800.0	1,800.0	12,000.0	17,850,000
Construction							-
Contingency							-
Inspection/Other		50.0	200.0	200.0	200.0	2,000.0	2,650,000
TOTAL:		500.0	2,000.0	2,000.0	2,000.0	14,000.0	\$ 20,500,000
Source of Funds							
Revenue Bond		500.0	2,000.0	2,000.0	2,000.0	14,000.0	20,500,000
TOTAL:		500.0	2,000.0	2,000.0	2,000.0	14,000.0	\$ 20,500,000

OPERATIONAL IMPACT:

This project provides the City with technical support required to ensure compliance with the terms and timelines as outlined in the Sanitary Sewer Outflow Initiative consent decree.

Department: WASTEWATER

Sequence #07

PROJECT TITLE: Wastewater Treatment On-Call Support

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

This project will allow the wastewater department to periodically supplement its staff capabilities with experts who can assist with technical issues. The Consultant shall assist the City of Corpus Christi in developing project scopes, cost estimating, design and constructability peer review, cost and schedule control, design management and other support services required by the Treatment Division of the Utilities Department. The Consultant should be able to demonstrate experience in all aspects of wastewater treatment, distribution and collection. Wastewater treatment should include primary, secondary and tertiary treatment as well as wastewater reuse. Treatment plant experience should include up to 10 million gallons daily capacity. The Consultant should also have electrical engineering capacity for low and medium voltage power distribution. This will be a task order contract driven by immediate needs.



PROJECT NOTES:

Project No: E16264
 A/E Consultant: LNV, Inc.
 Contractor: N/A
 Award Design: Yearly
 Award Construction: N/A
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			340.0	340.0	340.0	2,380.0	3,400,000
Construction							-
Contingency							-
Inspection/Other			10.0	10.0	10.0	70.0	100,000
TOTAL:			350.0	350.0	350.0	2,450.0	\$ 3,500,000
Source of Funds							
Revenue Bond			350.0	350.0	350.0	2,450.0	3,500,000
TOTAL:			350.0	350.0	350.0	2,450.0	\$ 3,500,000

OPERATIONAL IMPACT:

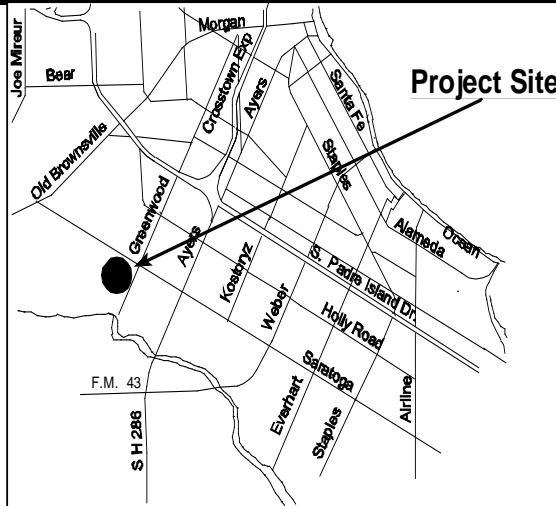
Providing water program management will improve department efficiency and provide timely project execution.

PROJECT TITLE: Greenwood WWTP Electrical Improvements to Ultraviolet (UV) System

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

This project provides electrical infrastructure improvements to ensure power to the UV disinfection system. Improvements will include two new transformers, control pane and associated conduit and wiring. Transformers and controls will be set at an elevation above the FEMA 100-year storm event flood elevation. Work includes the design and construction of proposed electrical infrastructure to ensure power remains available for continued disinfection capability as required by the Texas Commission on Environmental Quality (TCEQ) so Enterococcus Bacterial permit levels can be maintained during severe weather events.



PROJECT NOTES:

Project No:	E10180
A/E Consultant:	LAN, Inc.
Contractor:	TBD
Award Design:	Nov. 2015
Award Construction:	TBD
Anticipated Completion:	TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	43.0	750.0					793,000
Construction			2,150.0	2,500.0			4,650,000
Contingency			200.0	250.0			450,000
Inspection/Other	13.7	473.2	150.0	250.0			886,900
TOTAL:	56.7	1,223.2	2,500.0	3,000.0	-	-	\$ 6,779,900
Source of Funds							
Revenue Bond	56.7	1,223.2	2,500.0	3,000.0			6,779,900
TOTAL:	56.7	1,223.2	2,500.0	3,000.0	-	-	\$ 6,779,900

OPERATIONAL IMPACT:

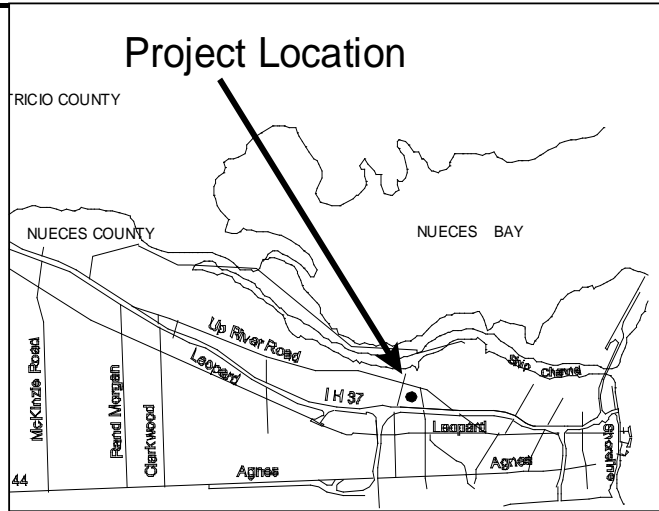
The operational impact on the electrical usage will increase with the additional higher intensity bulbs, but the effect should be nominal. Failure to complete project could result in TCEQ administrative sanctions.

PROJECT TITLE: McBride Lift Station and Force Main Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The McBride Lift Station and conveyance system is one of the oldest lift stations in the system and has reached the end of its service life. The project is essential to reduce the long-term operational cost and to alleviate potential Texas Commission on Environmental Quality violations with lift station failures and resulting overflows. An earlier construction project added a new force main, but it was never put into operation. This next phase of the project will continue the force main, to include boring under IH 37, to a new McBride Lift Station which will be constructed as part of this project.



PROJECT NOTES:

Engineering Project No: 7287
 Finance Project No: E14054 / 200452
 A/E Consultant: CRG
 Contractor: TBD
 Award Design: Nov. 2015
 Award Construction: June 2017
 Anticipated Completion: May 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	237.5		350.0				587,500
Construction	1,234.4		2,300.0	1,000.0			4,534,400
Contingency			200.0	300.0			500,000
Inspection/Other	379.5		250.0	200.0			829,500
TOTAL:	1,851.4	-	3,100.0	1,500.0	-	-	\$ 6,451,400
Source of Funds							
Revenue Bond	1,851.4	-	3,100.0	1,500.0			6,451,400
TOTAL:	1,851.4	-	3,100.0	1,500.0	-	-	\$ 6,451,400

OPERATIONAL IMPACT:

Estimated operational impact should be negligible. Force main improvements will be the focus of immediate repairs. Larger and more efficient pumps with increased wet well capacity and new controls will be included in the program development subject to available funds. Anticipated increased usage due to area development will offset costs and alleviate pressure on other systems.

PROJECT DESCRIPTION

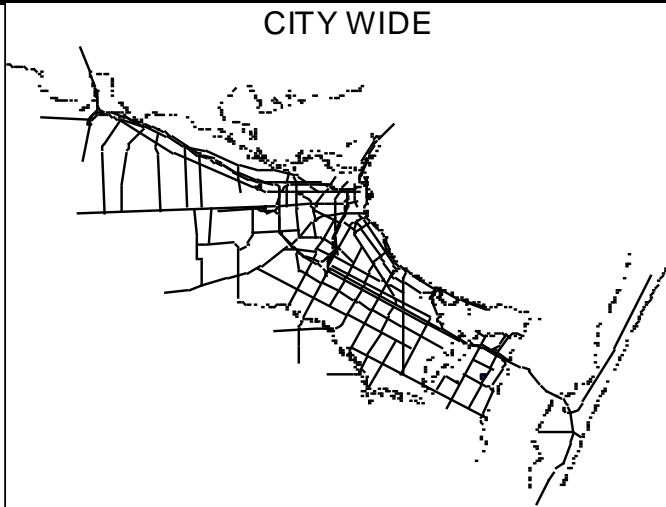
Department: WASTEWATER Sequence #10

PROJECT TITLE: Lift Station Repairs - Citywide

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

This project provides for implementation of a strategic lifecycle program for future lift station projects with funding requirements and cost benefit analysis for the City's 99 Lift Stations. The project identifies, prioritizes and implements specific capital improvement in a phased design and construction approach to extend lift station service life, reduce long-term maintenance costs, improve flows, and meet Texas Commission on Environmental Quality guidelines including reducing overflows and redundant systems.



PROJECT NOTES:

Project No: E16304
 A/E Consultant: Urban Engineering
 Contractor: Various
 Award Design: April 2011
 Award Construction: On-Going
 Anticipated Completion: On-Going

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	364.0	100.0	100.0	100.0	100.0	700.0	1,464,000
Construction	1,026.7	1,100.0	1,200.0	1,200.0	1,200.0	8,500.0	14,226,700
Contingency		100.0	75.0	75.0	75.0	650.0	975,000
Inspection/Other	72.4	116.7	125.0	125.0	125.0	650.0	1,214,100
TOTAL:	1,463.1	1,416.7	1,500.0	1,500.0	1,500.0	10,500.0	\$ 17,879,800
Source of Funds							
Revenue Bond	1,463.1	1,416.7	1,500.0	1,500.0	1,500.0	10,500.0	17,879,800
TOTAL:	1,463.1	1,416.7	1,500.0	1,500.0	1,500.0	10,500.0	\$ 17,879,800

OPERATIONAL IMPACT:

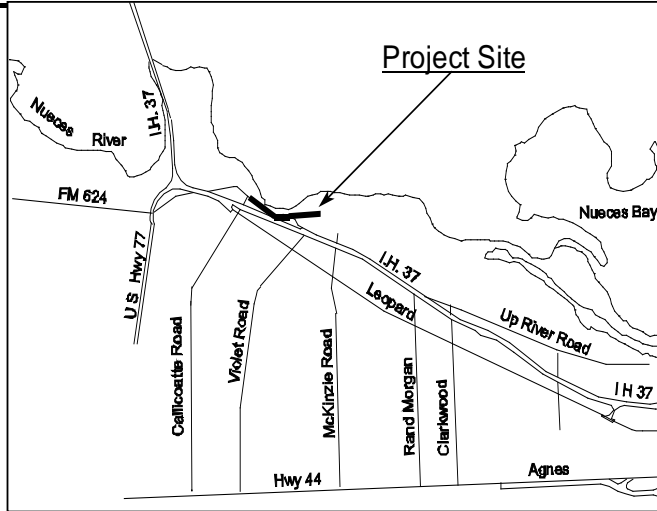
Though this project various lift stations with piping and pumps in poor condition throughout the city will be replaced with more reliable and energy efficient equipment. This reduces the probability of failure, emergencies, and will cut down on operational costs by the use of more energy efficient equipment.

PROJECT TITLE: Sharpsburg Lift Station Upgrade & Up River Road Force Main Rehabilitation

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The Sharpsburg Lift Station presently experiences near overflow conditions in extreme wet weather conditions. Recent improvements to the Wood River Lift Station and force main system, which flows into the Sharpsburg Lift Station, may exacerbate local peak flow loadings. Existing pump capacity is inadequate to handle peak flows and anticipated 20-year area development contributions. Proposed improvements include four 70 HP capacity pumps, associated piping, odor control, instrumentation and controls, a standby emergency generator and site and security improvements. Future ultimate capacity improvements will include a 36-inch force main, a 54-inch gravity and expanded Lift Station wet well.



PROJECT NOTES:

Engineering Project No:	7389
Finance Project No:	150265
A/E Consultant:	CRG
Contractor:	TBD
Award Design:	July 2008
Award Construction:	Nov. 2016
Anticipated Completion:	Oct. 2017

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	602.5						602,500
Construction		3,500.0					3,500,000
Contingency		250.0					250,000
Inspection/Other	30.0	134.7	200.0				364,700
TOTAL:	632.5	3,884.7	200.0	-	-	-	\$ 4,717,200
Source of Funds							
Revenue Bond	632.5	3,884.7	200.0				4,717,200
TOTAL:	632.5	3,884.7	200.0	-	-	-	\$ 4,717,200

OPERATIONAL IMPACT:

Larger pumps for increased capacity will be installed, but will run more efficiently than the existing equipment. Also, increased usage due to development in the area should offset costs and alleviate pressure on the other systems. Work will reduce potential overflows in the area and minimize enforcement actions by the Texas Commission on Environmental Quality.

Department: **WASTEWATER**

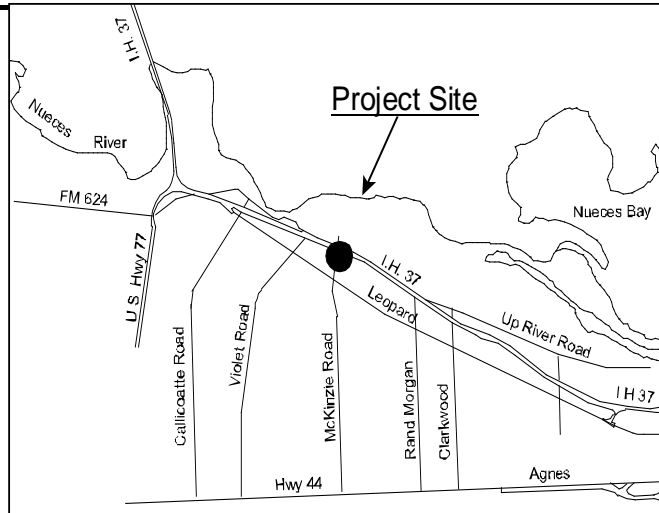
Sequence #12

PROJECT TITLE: Allison Wastewater Treatment Plant Lift Station and Plant Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The Allison Wastewater Treatment Plant is in the process of undergoing repairs and enhancements to extend the major systems and service life of the plant. Recently completed work at this plant included repairs/replacement of the existing headworks and grit removal equipment. This project provides for the design and construction of lift station pumps and piping replacement, new electrical control room, new emergency generator, disinfection equipment replacement, clarifier telescopic valve replacement, new dewatering drain line, east aeration discharge piping modifications, and pre- and post-thickener scum baffle replacement.



PROJECT NOTES:

Project No: E10043
 A/E Consultant: Urban Engineering
 Contractor: TBD
 Award Design: Jan. 2015
 Award Construction: April 2017
 Anticipated Completion: May 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	293.6						293,600
Construction		3,600.0					3,600,000
Contingency		360.0					360,000
Inspection/Other		290.4					290,400
TOTAL:	293.6	4,250.4	-	-	-	-	\$ 4,544,000
Source of Funds							
Revenue Bond	293.6	4,250.4					4,544,000
TOTAL:	293.6	4,250.4	-	-	-	-	\$ 4,544,000

OPERATIONAL IMPACT:

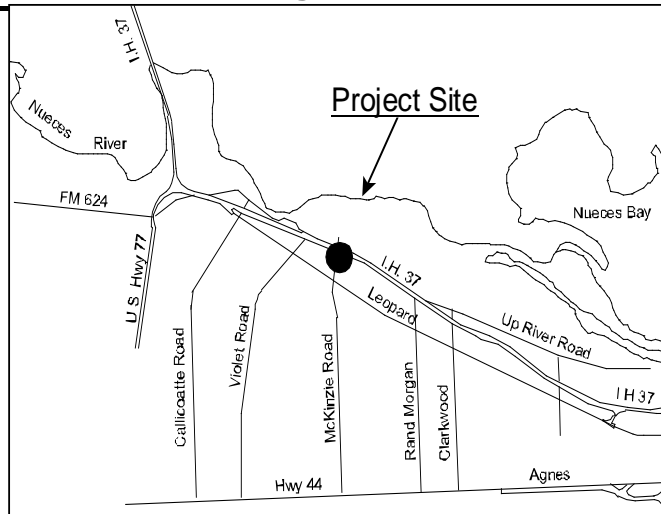
Determination of future Operational Budget Impact will be better addressed after the design process is complete, but new equipment will be more efficient and cost effective than the current operations provide.

PROJECT TITLE: Old Broadway Wastewater Plant Decommissioning

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

This project complies with Phase 3 of the Wastewater Facilities Implementation Plan. With the completion of construction of the replacement wastewater treatment process plant, the existing facilities at 1402 W. Broadway will be decommissioned and taken out of service in compliance with Texas Commission on Environmental Quality requirements. Prior work included media removal and decommissioning of trickling filters. Future work includes demolition of the remaining facility, site grading and aesthetic improvements.



PROJECT NOTES:

Project No:	E12159
A/E Consultant:	Urban Engineering
Contractor:	TBD
Award Design:	Jan. 2015
Award Construction:	Oct 2017
Anticipated Completion:	Nov 2018

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	667.4	200.0	400.0				1,267,400
Construction	1,023.9	2,000.0		3,400.0			6,423,900
Contingency		200.0		300.0			500,000
Inspection/Other	156.2	359.5	100.0	300.0			915,700
TOTAL:	1,847.5	2,759.5	500.0	4,000.0	-	-	\$ 9,107,000
Source of Funds							
Revenue Bond	1,847.5	2,759.5	500.0	4,000.0			9,107,000
TOTAL:	1,847.5	2,759.5	500.0	4,000.0	-	-	\$ 9,107,000

OPERATIONAL IMPACT:

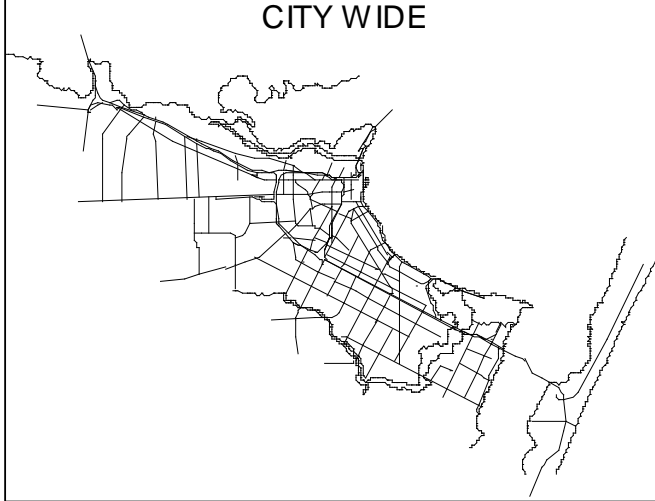
There are no operational costs associated with demolition, but once the old wastewater treatment plant site has been demolished and cleared it will be available for economic purposes.

PROJECT TITLE: Citywide Wastewater Lift Station Alternate Power Supply

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

Electrical power supply is critical for the operation of the City's Wastewater Lift Stations. The Texas Commission on Environmental Quality guidelines require redundant power sources to avoid overflows during power outages. Currently the City's lift stations rely on single feed power supplied by the local utilities. This project provides the design and construction for emergency back-up generators at critical lift stations. Lift Stations will be improved in priority of system conveyance criteria resulting from the analysis of the city-wide hydraulic model. Additional design and construction packages are anticipated through the Fiscal Year 2022.



PROJECT NOTES:

Engineering Project No: 7427
 Finance Project No: 150785
 A/E Consultant: TBD
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering		25.0	25.0	25.0	25.0	100.0	200,000
Construction		200.0	225.0	225.0	225.0	900.0	1,775,000
Contingency		25.0	25.0	25.0	25.0	100.0	200,000
Inspection/Other	7.2	24.7	25.0	25.0	25.0	100.0	206,900
TOTAL:	7.2	274.7	300.0	300.0	300.0	1,200.0	\$ 2,381,900
Source of Funds							
Revenue Bond	7.2	274.7	300.0	300.0	300.0	1,200.0	2,381,900
TOTAL:	7.2	274.7	300.0	300.0	300.0	1,200.0	\$ 2,381,900

OPERATIONAL IMPACT:

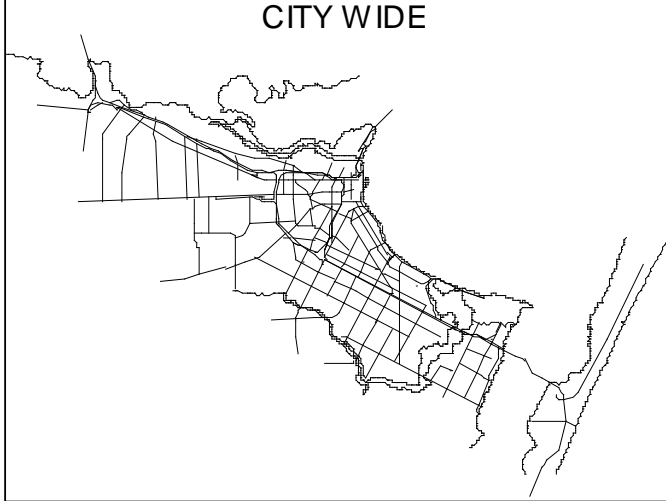
This project provides redundancy to the system and will not greatly increase costs. This system will kick in during any power loss to prevent overflows and enforcement actions when the regular power supply has been interrupted.

PROJECT TITLE: Unanticipated Wastewater Capital Requirements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

This project is programmed to support any unanticipated wastewater capital requirements that may arise during the year and which have no designated funding source.



PROJECT NOTES:

Project No: E12204
 A/E Consultant: N/A
 Contractor: N/A
 Award Design: N/A
 Award Construction: N/A
 Anticipated Completion: N/A

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction		316.6	250.0	250.0	250.0	1,750.0	2,816,600
Contingency							-
Inspection/Other	16.1						16,100
TOTAL:	16.1	316.6	250.0	250.0	250.0	1,750.0	\$ 2,832,700
Source of Funds							
Revenue Bond	16.1	316.6	250.0	250.0	250.0	1,750.0	2,832,700
TOTAL:	16.1	316.6	250.0	250.0	250.0	1,750.0	\$ 2,832,700

OPERATIONAL IMPACT:

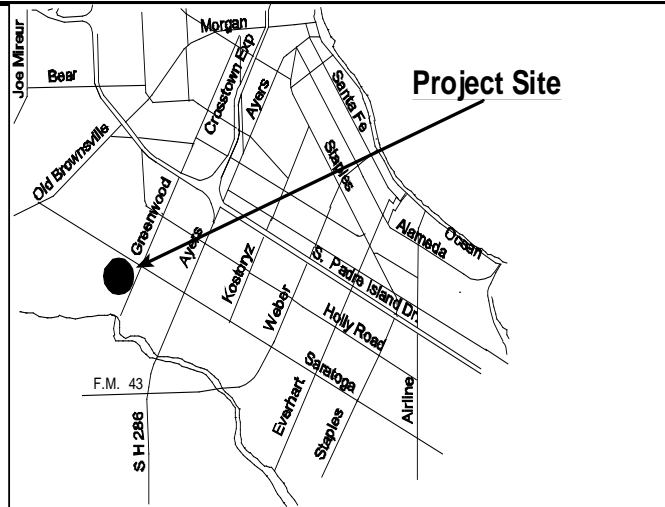
Without a firm project scope, at this time you cannot measure operational impact. It is anticipated to be negligible though.

PROJECT TITLE: Greenwood Wastewater Treatment Plant Emissions & Odor Control Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The Greenwood Wastewater Treatment Plant has continuing issues with nuisance odors and Texas Commission on Environmental Quality (TCEQ) monitoring has resulted in citations and now requires additional odor abatement. This work includes a new 4,000 cubic feet per minute (cfm) air capture rate trickling biofilter system, new booster pump, concrete slab rehabilitation/replacement, replacement of existing blowers with necessary duct work and piping modifications.



PROJECT NOTES:

Project No:	E10047
A/E Consultant:	CRG
Contractor:	JS Haren
Award Design:	June 2013
Award Construction:	May 2016
Anticipated Completion:	Oct. 2016

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	181.1						181,100
Construction	257.7	1,500.0					1,757,700
Contingency		150.0					150,000
Inspection/Other	25.2	90.8					116,000
TOTAL:	464.0	1,740.8	-	-	-	-	\$ 2,204,800
Source of Funds							
Revenue Bond	464.0	1,740.8					2,204,800
TOTAL:	464.0	1,740.8	-	-	-	-	\$ 2,204,800

OPERATIONAL IMPACT:

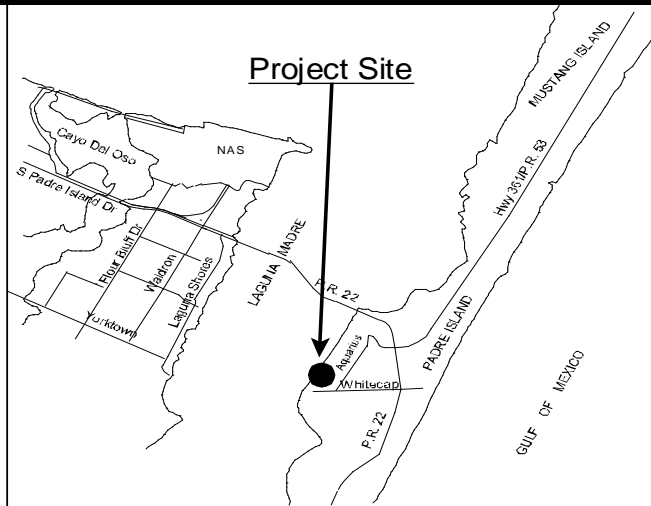
The continued property development and encroachment near wastewater treatment plants, along with more stringent regulatory odor standards, are requiring additional improvements to minimize odors and prevent penalties. Improvements will not result in additional operational costs and will help avoid penalties for non-compliance. This project also is part of a "good neighbor" policy.

PROJECT TITLE: Whitecap Wastewater Treatment Plant Odor Control Process and Bulkhead Replacement

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The Whitecap Wastewater Treatment Plant provides wastewater treatment service for the City's customers located on Padre Island. The original plant was a 0.5 million gallons per day (MGD) capacity plant that has been expanded over the years to 2.5 MGD capacity due to growth on the island. The existing odor control unit has exceeded its useful life cycle and rehabilitation is now required. Also, the existing unit employs chemicals for treatment and new modern odor control units are biological. Odor control and aerobic digester embrace the efficiency of plant operations. Bulkhead repairs will also be addressed.



PROJECT NOTES:

Project No:	E10053
A/E Consultant:	CRG
Contractor:	TBD
Award Design:	May 2016
Award Construction:	April 2018
Anticipated Completion:	June 2019

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	49.5		100.0				149,500
Construction			2,000.0	2,500.0			4,500,000
Contingency			200.0	250.0			450,000
Inspection/Other			200.0	250.0			450,000
TOTAL:	49.5		2,500.0	3,000.0	-	-	\$ 5,549,500
Source of Funds							
Revenue Bond	49.5		2,500.0	3,000.0			5,549,500
TOTAL:	49.5		2,500.0	3,000.0	-	-	\$ 5,549,500

OPERATIONAL IMPACT:

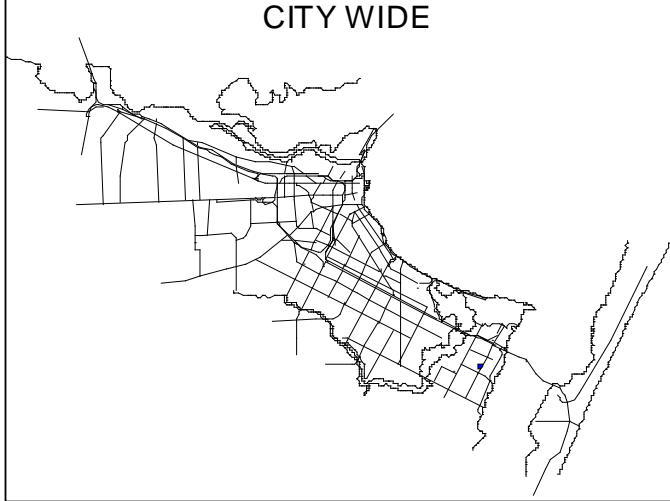
The continued property development and encroachment near wastewater treatment plants, along with more stringent regulatory odor standards, are requiring additional improvements to minimize odors and prevent penalties. Improvements will not result in additional operational costs and will help avoid penalties for non-compliance. This project also is part of a "good neighbor" policy.

PROJECT TITLE: Utility Developer Participation - Wastewater

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

Under the Platting Ordinance, the City participates with developers on utility construction for over-sized main lines (Sanitary Sewer Trunk System Trust Funds). This project will provide for the City's share of such projects as necessary up to the approved amount.



PROJECT NOTES:

Project No: E12208
 A/E Consultant: N/A
 Contractor: N/A
 Award Design: N/A
 Award Construction: N/A
 Anticipated Completion: N/A

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction		183.2	113.0	113.0	113.0	452.0	974,200
Contingency							-
Inspection/Other	16.8						16,800
TOTAL:	16.8	183.2	113.0	113.0	113.0	452.0	\$ 991,000
Source of Funds							
Revenue Bond	16.8	183.2	113.0	113.0	113.0	452.0	991,000
TOTAL:	16.8	183.2	113.0	113.0	113.0	452.0	\$ 991,000

OPERATIONAL IMPACT:

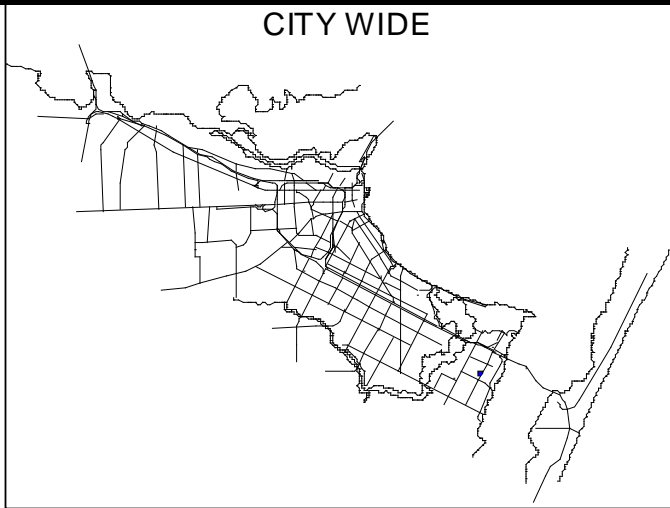
This item should increase wastewater revenues through additional customer usage.

PROJECT TITLE: Wastewater Treatment Plants Consolidation

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The objective of this project is to determine the optimal long-range wastewater treatment plant upgrade, consolidation and trunk sewer/pumping scenario. The optimal strategy will minimize the impact to ratepayers from recommended improvements. After determining the optimal strategy, the consultant will develop an improvements implementation plan elaborating logical project limits for procurement, project sequencing, overall program schedule and budgets for each element.



PROJECT NOTES:

Project No: E15145
 A/E Consultant: Stantec
 Contractor: N/A
 Award Design: N/A
 Award Construction: N/A
 Anticipated Completion: N/A

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering	1,475.7	70.0	975.0	975.0	975.0		4,470,700
Construction							-
Contingency							-
Inspection/Other	0.2	9.6	25.0	25.0	25.0		84,800
TOTAL:	1,475.9	79.6	1,000.0	1,000.0	1,000.0	-	\$ 4,555,500
Source of Funds							
Revenue Bond	1,475.9	79.6	1,000.0	1,000.0	1,000.0		4,555,500
TOTAL:	1,475.9	79.6	1,000.0	1,000.0	1,000.0	-	\$ 4,555,500

OPERATIONAL IMPACT:

This project provides for the jurisdiction on the feasibility of the City's Wastewater Treatment Plant Consolidation plan and proposes optimal program development strategies.

Department: WASTEWATER

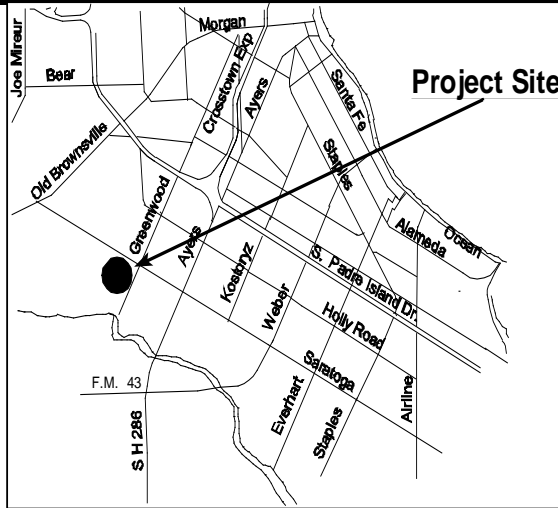
Sequence #20

PROJECT TITLE: Greenwood Wastewater Treatment Plant Structural Repairs

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The Headworks Structure at the Greenwood WWTP was constructed in 1990. Due to the age of equipment, structure, harsh environment of sewer gases and constant coastal winds, the headworks is in critical need of improvements. To extend the life of the Headworks Structure it is recommended the concrete walls and beams be restored and provided with a new protective coating, existing slide gates be restored to operation, existing mechanical bar screens be replaced and miscellaneous valves, equipment and piping be replaced as necessary to extend the life of this structure.



PROJECT NOTES:

Project No: E16329
 A/E Consultant: RFQ
 Contractor: TBD
 Award Design: Feb. 2017
 Award Construction: Feb. 2018
 Anticipated Completion: March 2019

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			125.0				125,000
Construction			1,500.0				1,500,000
Contingency			150.0				150,000
Inspection/Other			225.0				225,000
TOTAL:			2,000.0				\$ 2,000,000
Source of Funds							
Revenue Bond			2,000.0				2,000,000
TOTAL:			2,000.0				\$ 2,000,000

OPERATIONAL IMPACT:

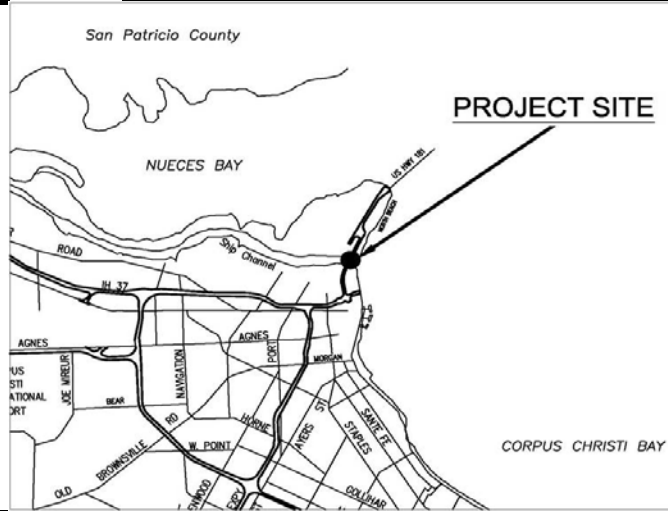
The execution of this project will extend the life of treatment plant and improve the efficiency of operation.

PROJECT TITLE: PROJECT TITLE: Texas Department of Transportation Wastewater Line Reocation

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

This project is to relocate the wastewater line within Harbor Bridge easement to meet the construction schedule of Harbor Bridge project.



PROJECT NOTES:	
Project No:	190130
A/E Consultant:	N/A
Contractor:	N/A
Award Design:	N/A
Award Construction:	N/A
Anticipated Completion:	N/A

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction	595.9		6,850.0				7,445,900
Contingency							-
Inspection/Other							-
TOTAL:	595.9		6,850.0				\$ 7,445,900
Source of Funds							
Revenue Bond	595.9		6,850.0				7,445,900
TOTAL:	595.9		6,850.0				\$ 7,445,900

OPERATIONAL IMPACT:

The operational impact of this project is negligible, but it is required to facilitate construction of the new Harbor Bridge.

Department: **WASTEWATER**

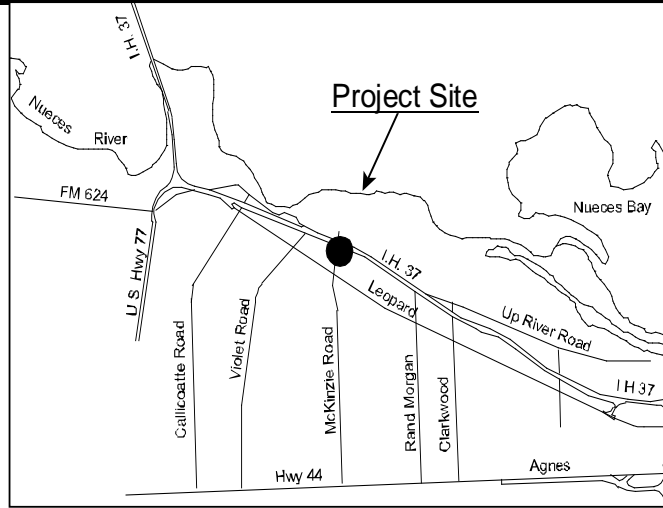
Sequence #22

PROJECT TITLE: PROJECT TITLE: New Broadway Wastewater Treatment Plant, Phase 2

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The New Broadway Wastewater Treatment Plant has been in service since December 2013. This project provides for the construction of the third clarifier and associated demolition of existing infrastructures which was included in the original design. The execution of this project will depend on the feasibility study of the City's Wastewater Treatment Plant Consolidation Program.



PROJECT NOTES:

Engineering Project No: 7293
 Finance Project No: 190130
 A/E Consultant: Carollo Engineers
 Contractor: TBD
 Award Design: TBD
 Award Construction: TBD
 Anticipated Completion: TBD

FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering							-
Construction	9,470.9						9,470,900
Contingency							-
Inspection/Other							-
TOTAL:	9,470.9						\$ 9,470,900
Source of Funds							
Revenue Bond	9,470.9						9,470,900
TOTAL:	9,470.9						\$ 9,470,900

OPERATIONAL IMPACT:

This project will increase the treatment capacity of the Plant.

PROJECT TITLE: PROJECT TITLE: Large Diameter Forcemain Condition Assessment

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The first step of this project is to conduct inspection and assessment on the physical conditions of the City's large diameter force mains. Then, this project will identify the potential material risks of failure and prioritize Condition Assessment Activities to extend the service life of large diameter force mains.



PROJECT NOTES:

Project No: E16328
 A/E Consultant: RFQ
 Contractor: N/A
 Award Design: TBD
 Award Construction: N/A
 Anticipated Completion: N/A

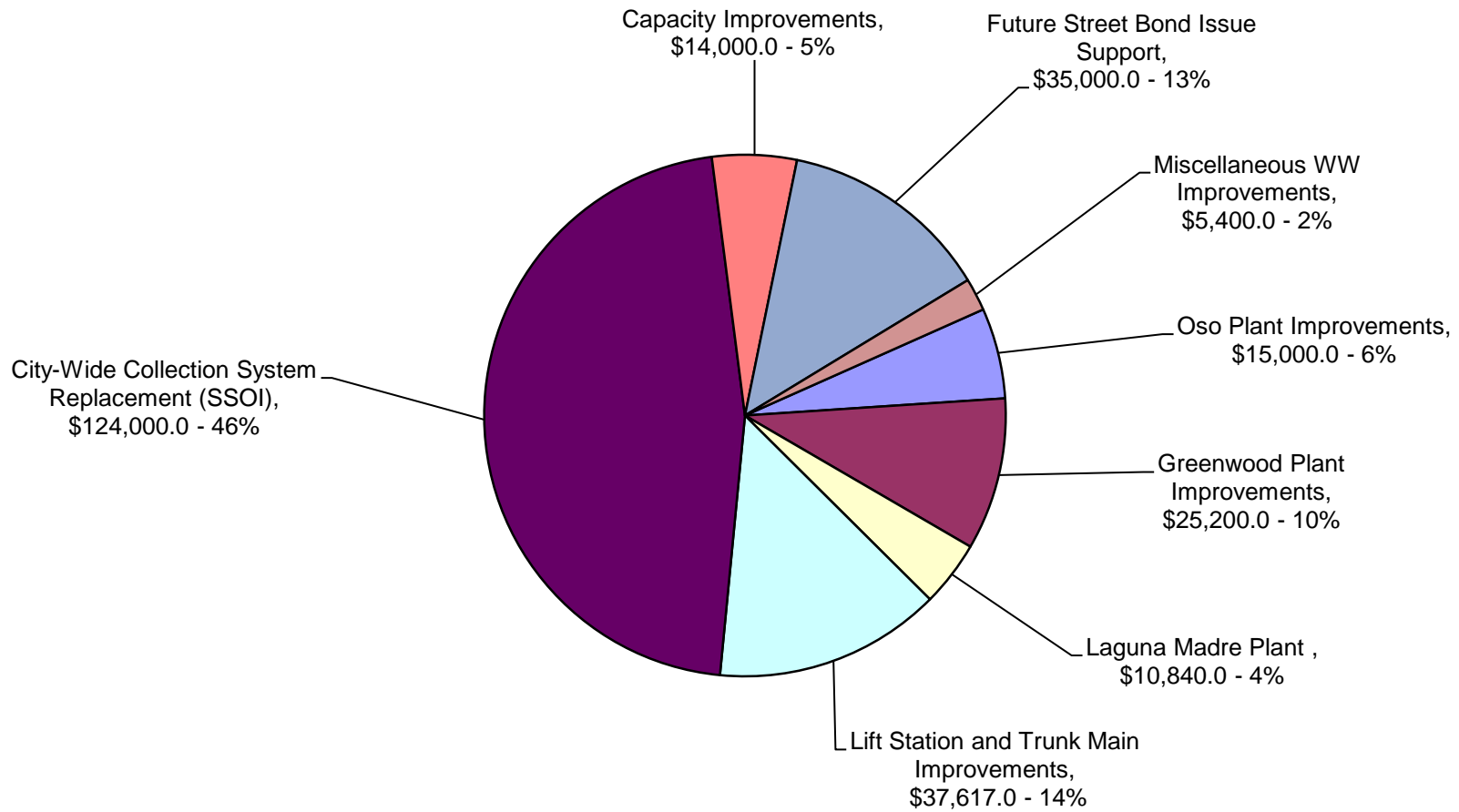
FUNDING SCHEDULE (Amount in 000's)

Use of Funds	Project-to-Date Obligations May 2016	Unspent Prior Budget as of June 2016	CIP Budget Year 1 2016 - 2017	Year 2 2017 - 2018	Year 3 2018 - 2019	Future Budget Required (Years 4 - 10)	Total Project Value (Amounts in \$'s)
Design & Engineering			500.0				500,000
Construction							-
Contingency							-
Inspection/Other			20.0				20,000
TOTAL:			520.0				\$ 520,000
Source of Funds							
Revenue Bond			520.0				520,000
TOTAL:			520.0				\$ 520,000

OPERATIONAL IMPACT:

No Operational Budget impact with this assessment.

**Wastewater
Long-Range CIP: \$267,057.0
(Amounts in 000's)**



		<u>Long-Range Year</u>
LR-01	<u>City-Wide Collection System Replacement and Rehabilitation IDIQ Program (SSOI) (Continuation)</u> The City recently applied to enroll into the Texas Commission on Environmental Quality (TCEQ) Sanitary Sewer Overflow Initiative (SSOI) program. This project is a long-term initiative designed to reduce the number and volume of sanitary sewer overflows within the City and is a key component of the life cycle program component to address collection system conveyance and sanitary sewer access infrastructure requirements within the Oso WRP service area. The project will identify, prioritize and implement specific capital improvement projects in a phased design and construction approach to extend the service life, improve flows, improve water quality, reduce overflows and cave-ins and reduce long-term maintenance costs. This is a yearly project that is tailored to the extent funding allows.	\$124,000,000 4,5,6,7 8,9,10
LR-02	<u>Oso Water Reclamation Plant Nutrient Removal and Re-Rate to 18 MGD (Continuation)</u> Effluent ammonia is now a permit requirement for the Oso Water Reclamation Plant (WRP). Oso Bay is on the Environmental Protection Agency's (EPA) list of impaired water bodies due to low dissolved oxygen levels, so now the current discharge permit issued by the Texas Commission on Environmental Quality (TCEQ) for Oso WRP includes monitoring and reporting requirements for effluent ammonia. TCEQ's permit renewal establishes nutrient removal (ammonia) limits with a timeline (30 months from date of renewal) for ammonia limits compliance. Work under this project provides an interim solution to meet permit requirements within 30 months as required by TCEQ. A design for the permanent Ammonia Upgrade project (See WW Seq #09) will begin in Year 1. Also included in this project is the design and construction of improvements at the Oso Water Reclamation Plant Facility scheduled for operations.	\$15,000,000 4,5
LR-03	<u>Laguna Madre WWTP Head Works / Bar Screen Improvements (Continuation)</u> This project is required to keep the aging Laguna Madre WWTP Head Works and Bar Screen Improvements in working condition.	\$10,840,000 4
LR-04	<u>Capacity Assessment Improvements (Continuation)</u> The capacity assessment improvements program is a long-term initiative designed to address capacity constraints or relocations for large diameter wastewater lines within the City and is a key component for addressing the collection system conveyance of large diameter wastewater lines within the City. The program will identify, prioritize and implement specific capital improvement projects in a phased design and construction approach to extend the service life, improve conveyance, and reduce overall maintenance and treatment costs.	\$14,000,000 4,5,6,7 8,9,10

LR-05	<u>Wastewater Treatment On-Call Support (Continuation)</u>	<u>\$2,450,000</u>	4,5,6,7 8,9,10
	This project will allow the wastewater department to periodically supplement its staff capabilities with experts who can assist with technical issues. The Consultant shall assist the City of Corpus Christi in developing project scopes, cost estimating, design and constructability peer review, cost and schedule control, design management and other support services required by the Treatment Division of the Utilities Department. The Consultant should be able to demonstrate experience in all aspects of wastewater treatment, distribution and collection. Wastewater treatment should include primary, secondary and tertiary treatment as well as wastewater reuse. Treatment plant experience should include up to 10 MGD capacity. The Consultant should also have electrical engineering capacity for low and medium voltage power distribution. This will be a task order contract driven by immediate needs.		
LR-06	<u>Lift Station Repair: Citywide (Continuation)</u>	<u>\$10,500,000</u>	4,5,6,7 8,9,10
	This project provides for implementation of a strategic lifecycle program for future projects and funding requirements with cost benefit analysis for the City's 99 Lift Stations. The project identifies, prioritizes and implements specific capital improvement projects in a phased design and construction approach to extend lift station service life, reduce long-term maintenance costs, improve flows, and meet Texas Commission on Environmental Quality guidelines including reducing overflows and redundant systems. Previous studies were developed into specific projects presented as separate CIP projects. This project will be funded on a yearly basis and projects will be completed dependent upon availability of funding.		
LR-07	<u>Citywide Wastewater Lift Station Alternate Power Supply (Continuation)</u>	<u>\$1,200,000</u>	4,5,6,7
	This project provides for implementation of a strategic lifecycle program for future projects and funding requirements with cost benefit analysis for the City's 99 Lift Stations. The project identifies, prioritizes and implements specific capital improvement projects in a phased design and construction approach to extend lift station service life, reduce long-term maintenance costs, improve flows, and meet Texas Commission on Environmental Quality guidelines including reducing overflows and redundant systems. Previous studies were developed into specific projects presented as separate CIP projects. This project will be funded on a yearly basis and projects will be completed dependent upon availability of funding.		
LR-08	<u>Unanticipated Wastewater Capital Requirements (Continuation)</u>	<u>\$1,750,000</u>	4,5,6,7 8,9,10
	This project provides for implementation of a strategic lifecycle program for future projects and funding requirements with cost benefit analysis for the City's 99 Lift Stations. The project identifies, prioritizes and implements specific capital improvement projects in a phased design and construction approach to extend lift station service life, reduce long-term maintenance costs, improve flows, and meet Texas Commission on Environmental Quality guidelines including reducing overflows and redundant systems. Previous studies were developed into specific projects presented as separate CIP projects. This project will be funded on a yearly basis and projects will be completed dependent upon availability of funding.		

LR-09	<u>Developer Utility Participation - Wastewater (Continuation)</u>	<u>\$452,000</u>	4,5,6,7
	Under the Platting Ordinance, the City participates with developers on utility construction for over-sized main lines (Sanitary Sewer Trunk System Trust Funds). This project will provide for the City's share of such projects as necessary up to the approved amount.		
LR-10	<u>Greenwood Plant Rehabilitation</u>	<u>\$25,200,000</u>	4,5,6,7
	Texas Commission on Environmental Quality regulations require alternatives be initiated "when flows exceed 75% of the rated capacity." The Greenwood WWTP is nearing this capacity with additional flows planned as development increases in the area. In anticipation of this, preliminary design for the expansion was completed by Alan Plummer and Associates in Spring 2008. The City will go forward with completing design plans and specifications in Fiscal Year '16, with construction of the expansion scheduled to take place in Fiscal Year 2017 if projected flows warrant it. This project provides for a state of the art, stand-alone 4 MGD expansion south of the existing plant.		
LR-11	<u>Citywide Wastewater Master Plan</u>	<u>\$1,200,000</u>	4, 5, 6
	Upon completion of the city-wide hydraulic model and service area assessments for combined operational efficiencies, a city-wide Wastewater Master Plan will capture existing service and identify future collection and conveyance systems. A city-wide approach will enable re-establishment of treatment plant service areas and investigate feasibility of re-doing or even eliminating existing wastewater treatment plants.		
LR-12	<u>Williams Lift Station and Force Main (Line A)</u>	<u>\$7,850,000</u>	4, 5, 6
	Upgrading the existing lift station at Williams is proposed to handle subdivision development and future growth in the Southside area. Larger pumps, additional structural work, and force mains are necessary for the lift station.		
LR-13	<u>Williams /Wooldridge Lift Station Hydraulics Improvements</u>	<u>\$5,800,000</u>	4, 5, 6
	This project will upgrade hydraulics at the Williams and Wooldridge Lift Stations due to age of existing equipment.		
LR-14	<u>Clarkwood North Lift Station Header Repair</u>	<u>\$3,195,000</u>	4, 5, 6
	This project provides for implementation of a strategic lifecycle program for future projects and funding requirements with cost benefit analysis for the City's 99 Lift Stations. The project identifies, prioritizes and implements specific capital improvement projects in a phased design and construction approach to extend lift station service life, reduce long-term maintenance costs, improve flows, and meet Texas Commission on Environmental Quality guidelines including reducing overflows and redundant systems. Previous studies were developed into specific projects presented as separate CIP projects. This project will be funded on a yearly basis and projects will be completed dependent upon availability of funding.		

LR-15	<u>21" and 24" Gravity Line from Aberdeen to Oso Plant</u>	<u>\$4,620,000</u>	6, 7, 8
	The existing pipe is the oldest gravity line to the Oso Plant. This project includes rehabilitating the 21" and 24" gravity lines and relocating the Texas A&M - Corpus Christi University force main to a discharge point closer to the Oso Plant. The proposed improvements will also increase capacity and reduce infiltration and inflow to the plant.		
LR-16	<u>T-Heads Lift Station Upgrades</u>	<u>\$3,310,000</u>	7, 8
	The existing lift stations on the Peoples and Lawrence Street T-Heads and Coopers Alley L-Head will be replaced with new structures, pumps, control systems, grease traps and force main lines. Replacement is necessary to meet current and anticipated wastewater service needs. This project will be coordinated with any future Bayfront development.		
LR-17	<u>24" Gravity Line in Gollihar</u>	<u>\$690,000</u>	9, 11+
	The condition of this old gravity system is inadequate. Although flows have been reduced by previous diversions, the line is of standard vitrified clay pipe or concrete. Previous investigations have indicated bad joints, infiltration, and a number of failures. The project includes rehabilitation by slip lining and/or cured in place pipe (CIPP) of this system in order to increase its service life and reduce infiltration and inflow to the Oso Plant. Approximate length of 24" diameter line is 10,000 linear feet. Future Construction costs are anticipated at \$7.2 million.		
LR-18	<u>7th Street Trunk Relining</u>	<u>TBD</u>	11+
	Deteriorated clay lines in this area have exceeded their useful service life and need to be slip lined. This project will provide for complete rehabilitation of this line to diminish infiltration and inflow into the wastewater system.		
LR-19	<u>Flynn Parkway - Everhart Trunk Relining</u>	<u>TBD</u>	11+
	Deteriorated clay lines in this area have exceeded their useful service life and need to be slip lined. This project will provide for complete rehabilitation of this line to diminish infiltration and inflow into the wastewater system.		
LR-20	<u>Nile Drive Trunk Main</u>	<u>TBD</u>	11+
	The Oso trunk system is presently surcharged (exceeds flow capacity). Actions upstream will relieve overloaded conditions, but a parallel line from the Williams Drive Lift Station to Airline Road along Williams Drive will be required in the future. This project proposes construction of a 24-gravity line to relieve surcharges.		
LR-21	<u>Cimarron Gravity Line</u>	<u>TBD</u>	11+
	This project proposes the installation of a 15" gravity line from the new lift station at Cimarron to Bison Drive, parallel to the existing 18" gravity line. Included will be the required sanitary sewer access points and tie-ins.		

LR-22	<u>Cimarron & Lenz Drive Lift Station</u>	TBD	
	This project includes the construction of a new lift station near the intersection of Cimarron and Lenz to handle projected flows from Sewer Planning Area #38. A new site is proposed in order to make access for maintenance easier and safer. Hook-ups to the new lift station from the associated gravity lines and a new force main are included.		11+
LR-23	<u>LaBonte Park Lift Station and Force Main</u>	TBD	
	Upgrading the existing lift station including larger pumps, additional structural work and force mains.		11+
LR-24	<u>Riviera Street Lift Station Upgrade and Force Main</u>	TBD	
	Upgrading the existing lift station at Riviera Street and Laguna Shores Road is proposed to handle subdivision development and future growth in the far south area of Flour Bluff. Larger pumps, additional structural work and force mains are necessary for the lift station.		
LR-25	<u>Allison WWTP Expansion from 5 to 7 MGD</u>	TBD	
	The Allison Treatment Plant presently treats approximately 3.0 MGD, which is 60% of the plant's design flow hydraulic capacity. With new development in the northwest area of the City, treatment capacity is expected to exceed permitted flows. Added capacity will keep the plant in compliance with the 75/90% rule of the Texas Commission on Environmental Quality.		11+
LR-26	<u>Sanitary Sewer Installation in Developed Areas</u>	TBD	
	This project is a multi-year project which includes the extension of wastewater service (gravity lines, lift station and force mains) proposed for developed areas in the City currently unserved by sanitary sewer collection system. Among the areas considered for improvements are Riverside Acres, Old Brownsville Road, and south of South Padre Island Drive and Saratoga Industrial Subdivision (between Greenwood and Ayers). This multi-year project also includes the River Forest Area, which is unique in its topography, in order to develop a more cost-effective plan for service and Falling Riverside tracts.		11+
LR -27	<u>Future Programmed Bond Utility Support - Water</u>	\$35,000,000	
	This project supports General Obligation Bond, Texas Department of Transportation, and Community Development Block Grant required utility relocations as needed.		
<u>TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:</u>		\$267,057,000	