



City of Corpus Christi, Texas

FY 2012-2013

ADOPTED CAPITAL BUDGET & CAPITAL IMPROVEMENT PLANNING GUIDE

Adopted by City Council on July 24, 2012
Ordinance #029565
City Manager Ronald L. Olson



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Assistant City Manager—General Government and Operations Support

Oscar Martinez
Assistant City Manager—Public Works, Utilities, and Transportation

Troy Riggs
Assistant City Manager—Safety, Health, and Neighborhoods

Wes Pierson
Assistant City Manager—Business Support Services



Ronald L. Olson
City Manager

PROJECT TEAM

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

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Council Member
At Large



Nelda Martinez
Council Member
At Large



David Loeb
Council Member
At Large



Joe Adame
Mayor



Kelley Allen
Council Member



John Marez
Council Member



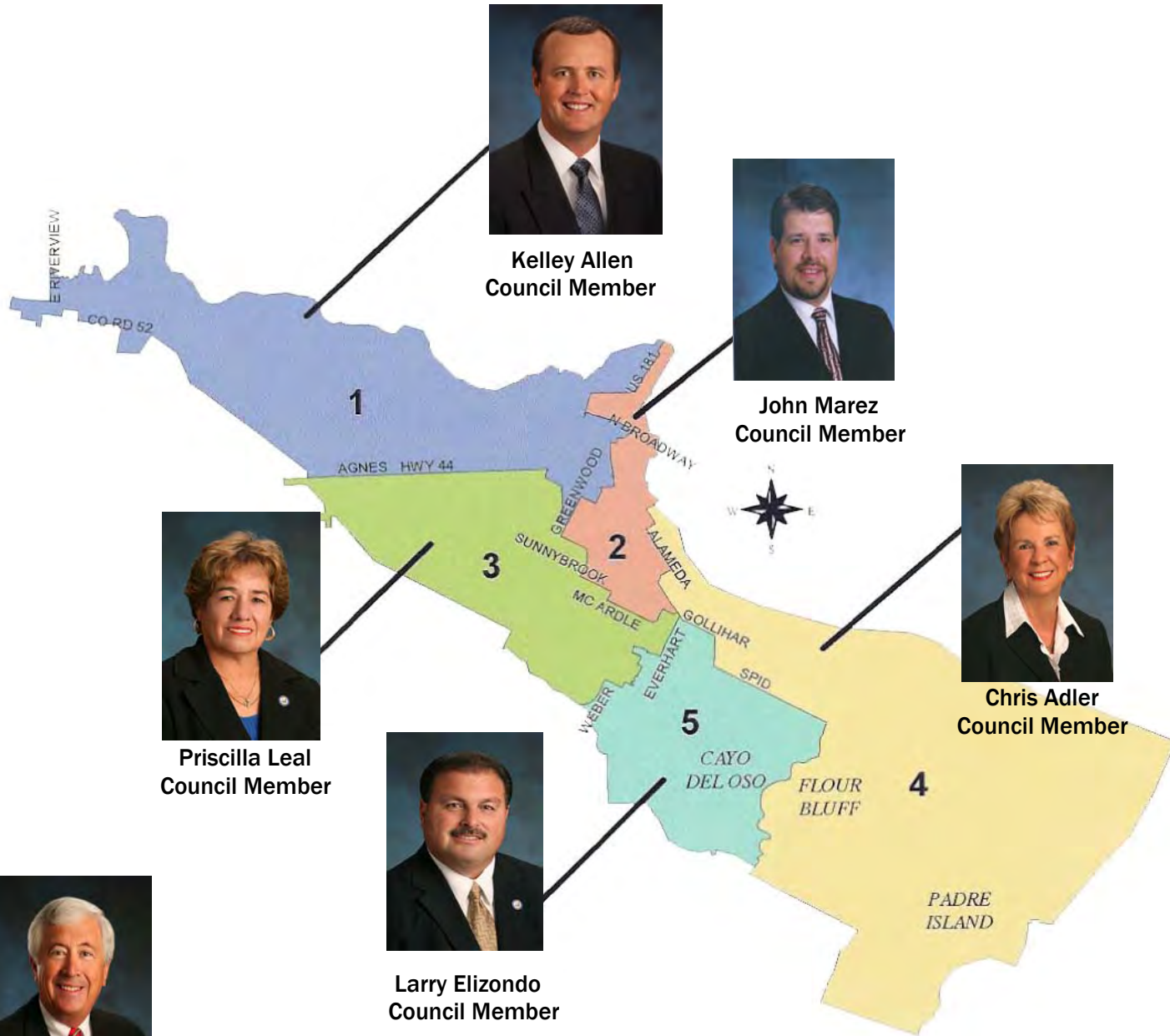
Chris Adler
Council Member



Larry Elizondo
Council Member



Priscilla Leal
Council Member



2012-2013

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):

Rudy Garza (exp. 7.31.12)
Chairman

A. Javier Huerta (exp. 7.31.13)
Vice-Chairman

Govind B. Nadkarni (exp. 7.31.13)

Mark Adame (exp. 7.31.14)

Marco Castillo (exp. 7.31.14)

Gabriel Guerra (exp. 7.31.14)

John C. Tamez (exp. 7.31.12)

Evon J. Kelly (exp. 7.31.12)

2012 Corpus Christi Planning Commission

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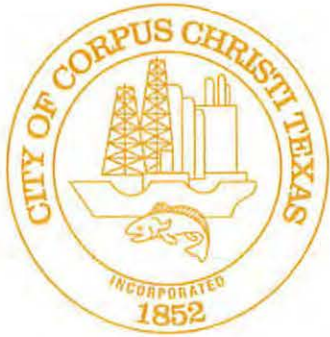
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City Manager's Message

Obligation to the Future



City of Corpus Christi, Texas

Office of the City Manager

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

Presented is the Adopted Fiscal Year 2013 Capital Budget and Capital Improvement Planning Guide, also known as the Capital Improvement Program (CIP) as approved by Council on July 24, 2012. The purpose of the CIP is to identify, prioritize, fund, construct, and operationally fund projects that are needed to enhance or maintain the quality of life expected by our citizens. This document serves as both a budget – for fiscal year 2013 - 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 with the greatest need receive the highest priority. Project priorities and available funding are constantly monitored to ensure adequate funding for critical projects and all 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. **New for this year, project scopes also reference what, if any, strategic/comprehensive plan to which the project is associated.** 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, dates represent an estimated schedule based on priority sequencing and available funding. The architect/engineer and contractor are listed where applicable. Finally, the expected operational impact 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 agenda to facilitate fiscal and needs-based planning for Years Two and Three, and
- a long-range component located at the back of each section, consisting of items considered imperative 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 approved/projected capital projects, utility operations, and debt service. The current rates have been formally presented in the operating budget, presented to Council and approved.

As discussed with the Council on March 8, 2011, work continues on the Capital Improvement Program Recommendations Resolution. One of which is achieved with this document arriving contemporaneously with, or preceding the, operating budget. The second is moving away from Commercial Paper to a more structured utility funding mechanism - fiscal year '13 will be the first year the City is expected to begin funding projects with revenue bond proceeds vs. internal borrowings/commercial paper. This change should help better align the bond proceeds with the adopted CIP. Another resolution adhered to is the City's Financial Advisor, and Bond Counsel, were consulted prior to the completion of the proposed document. Interest rates, risk, and financing strategies were discussed and incorporated. Finally, long-term capital project strategies were incorporated into the document with the inclusion of Planning's review and inclusion of relevant comprehensive and other plan references.

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 2012 – 2013 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 2008 Bond election which provided funding to create new and renovate existing parks and recreational facilities throughout the City. The Bond Issue 2008 Parks Program has constructed numerous improvements and remaining projects to be concluded this year include: area and neighborhood park development and improvements; hike and bike trails; irrigation, lighting and other general improvements to selected sports fields; improvements to the North Beach area; and an interpretive/conservation nature park to be developed along the Oso Creek / Oso Bay area.

PUBLIC FACILITIES PROGRAM

The focus of the Public Facilities Program for FY 2013 is directed at energy savings measures. Three planned projects contribute towards developing comprehensive master plans and the construction of energy efficiency improvements for City-owned facilities. One project will develop a comprehensive facilities master plan, a second project will provide for the construction of the project identified through the master plan, and the third will address energy efficiency retrofits of seven city facilities. Other planned work includes the conclusion of improvements to the Bayfront Convention Center, Selena Auditorium and Greenwood Public Library. Also nearing completion is the Greenwood Library Remodeling project which was part of the voter supported 2008 Bond Election.

PUBLIC HEALTH & SAFETY PROGRAM

The Public Health & Safety Program is highlighted by the near completion of police, fire and public health improvements as part of the voter-approved November 2008 bond election. These projects are improving service delivery and response time, protecting existing equipment, enhancing the comfort of the public and investing in projects that will increase revenues. Additional improvements at the J.C. Elliott and Cefé Valenzuela landfills are proposed over the next three years. These projects 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 additional area transfer stations are planned.

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. These projects include additional improvements to the Salt Flats Levee System, repairs to the downtown Seawall and possible elevation of the barge dock at the existing seawall bulkhead.

STREETS PROGRAM

Street quality has an impact on every resident, business, and visitor of our City. It affects property values, accessibility to businesses, schools, and residential areas and impacts the quality of life of our citizens. The FY 2012 – 2013 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 advancement of the 2008 Bond Election. On November 4, 2008, the City's voters approved a \$153 Million General Obligation bond issue that included \$104,610,000 in street improvements. These projects represent a significant investment in ADA improvements, street reconstruction and new street construction. The Street Capital improvement program includes the financial details of the required utility adjustments to reflect the total project cost and capital value of each project.

The FY 2013 Capital Budget reflects a continued commitment to implement the City's ADA Transition Plan. As part of the 2008 Bond Election, an additional \$5 million worth of ADA curb ramps will be constructed in areas where current street construction projects are not planned. Locations will address areas of greatest need for pedestrian street accessibility. In addition, specific street projects have curb cuts and sidewalk improvements as an element of the overall project scope.

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 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.

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 National Pollutant Discharge Elimination System (NPDES) 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.

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 and planning for capacity limitations at existing plants. Case in point, a city-wide hydraulic model is near completion to address the Sanitary Sewer Overflow.

The proposed improvement projects address critical needs at several of the City's treatment plants. From process improvements to replacement plants, work planned for the next few years includes the continuing construction of a new Broadway Wastewater Plant; city-wide lift station rehabilitation; head works and grit system improvements at the Allison Plant; to provide additional capacity, emergency power, and replacement of deteriorated lines and various improvements to the Oso Water Reclamation plant.

WATER PROGRAM

The City's Fiscal Year 2012 – 2013 Water Capital Improvement 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, Raw Water Diversion, and Water Supply. Water Supply projects are designed to maintain the City's existing water supply facilities and to provide additional delivery facilities and supply sources.

CONCLUDING REMARKS

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 Submitted,



Ronald L. Olson
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

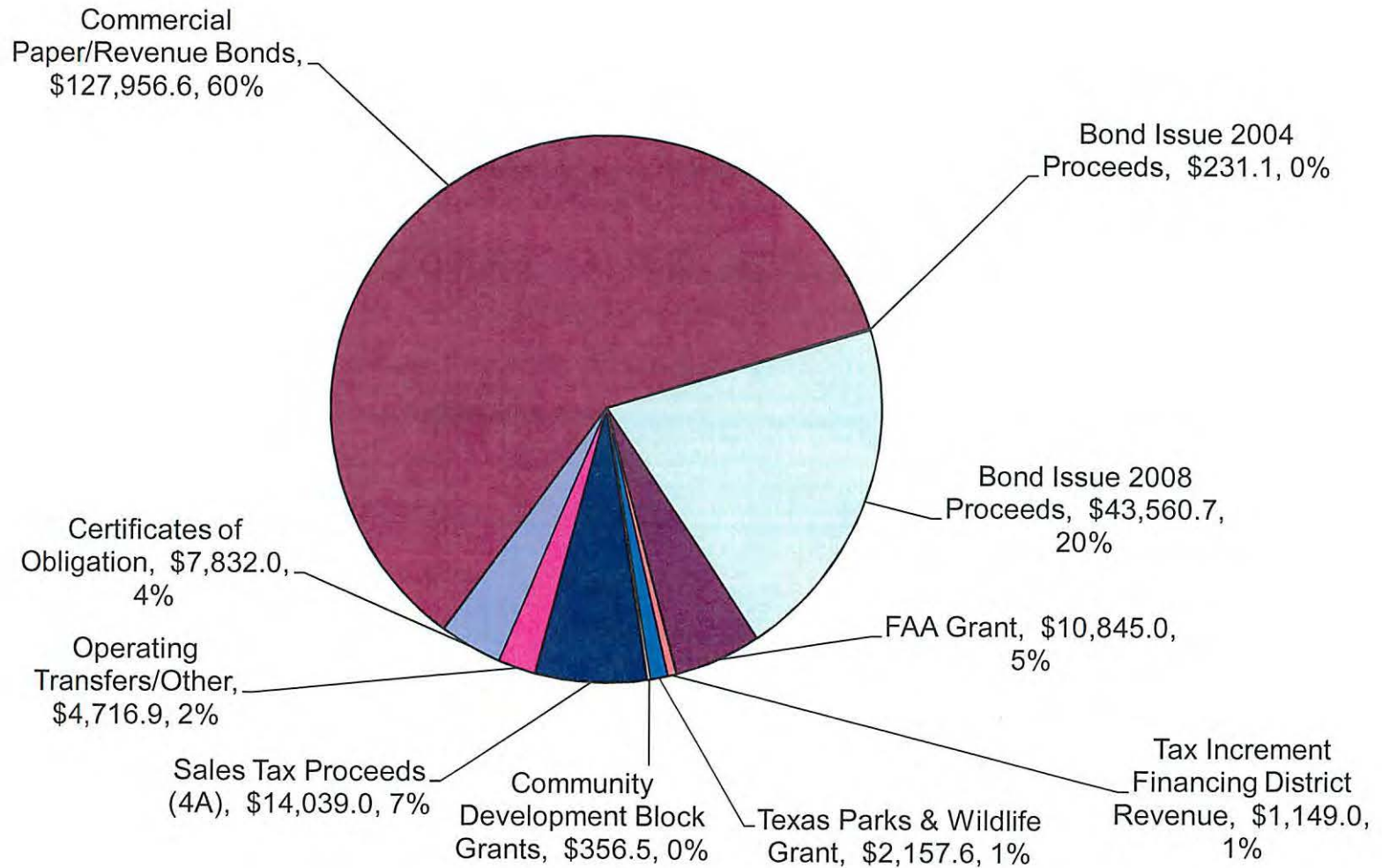
FY 2013 CAPITAL BUDGET SCHEDULE

Friday, April 19, 2012	Work begins on Compiling Project Pages for CIP Book Sections
Monday, April 23, 2012	Draft Capital Budget Book Short-Range Pages Delivered to Executive Committee for Review and Comment
Wednesday, May 2, 2012	Draft Capital Budget Book Given to Planning Committee
Wednesday, May 9, 2012	Draft Capital Budget Book Presentation to Planning Committee
Wednesday, June 6, 2012	Delivery of Proposed CIP to Planning Commission & Council Members
Tuesday, June 12, 2012	Presentation to Council on Planning Process
Wednesday, June 20, 2012	Planning Commission Meeting – Document Overview, Public Hearing & Recommendations
Tuesday, June 26, 2012	Council Capital Budget Presentation
Tuesday, July 10, 2012	Regular City Council Meeting- Public Hearing, Council Discussion
Tuesday, July 17, 2012	Regular City Council Meeting- Council Discussion/1st Reading & Approval
Tuesday, July 24, 2012	Regular City Council Meeting-Council Discussion & Approval

Capital Budget

Obligation to the Future

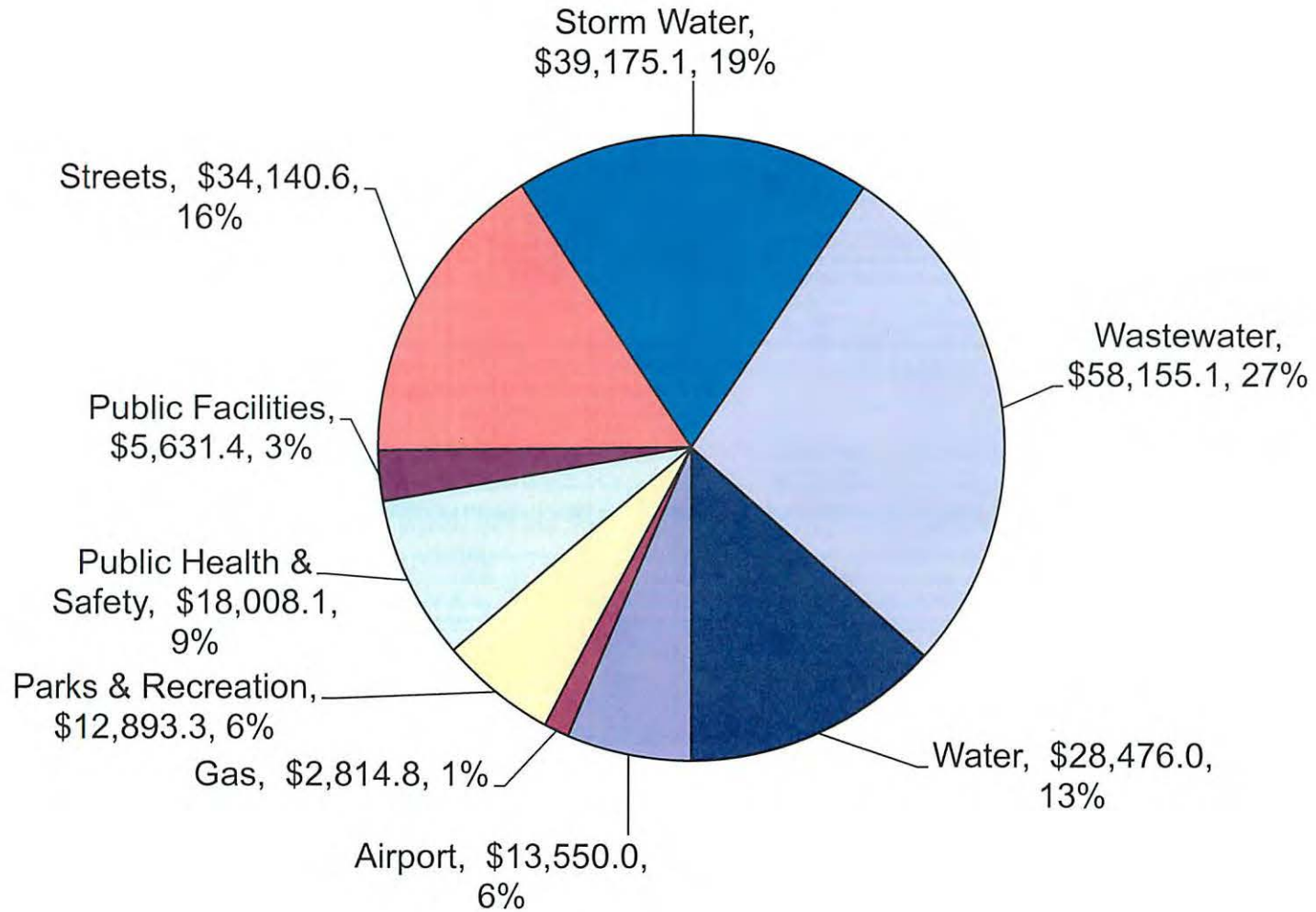
**2013 Funding Sources by Type: \$212,844.4
(Amounts in 000's)**



2013 CAPITAL BUDGET SUMMARY
(Amounts in 000's)

Funding Sources by Type	Amount	% of Total
CIP Reserves	\$ 12.5	0%
Certificates of Obligation	7,832.0	4%
Community Development Block Grant Program	356.5	0%
Commercial Paper/Revenue Bonds	127,956.6	60%
Bond Issue 2008 Proceeds	43,560.7	20%
Bond Issue 2004 Proceeds	231.1	0%
FAA Grant	10,845.0	5%
Nueces County Contribution	388.4	0%
Padre Island TIF	1,149.0	1%
Donations	45.0	0%
Texas Parks & Wildlife Grant	2,157.6	1%
FEMA Grant	900.0	1%
Sales Tax Proceeds (4A)	14,039.0	7%
Operating Transfer/Other	3,371.0	1%
 Total FY 2013 Capital Sources	 <u>\$ 212,844.4</u>	 <u>100%</u>

**2013 Funding Uses by Program: \$212,844.4
(Amounts in 000's)**



2013 CAPITAL BUDGET SUMMARY
(Amounts in 000's)

Funding Uses by Program	Amount	% of Total
Airport	\$ 13,550.0	6%
Parks & Recreation	12,893.3	6%
Public Facilities	5,631.4	3%
Public Health & Safety	18,008.1	9%
Streets	34,140.6	16%
Gas	2,814.8	1%
Storm Water	39,175.1	19%
Wastewater	58,155.1	27%
Water	28,476.0	13%
Total FY 2013 Capital Uses	\$ 212,844.4	100%

2013 CAPITAL BUDGET
(Amounts in 000's)

PROJECT RECOMMENDATIONS

FUNDING SOURCES

Airport

Runway 17-35 Extension Safety Mitigation	\$ 12,000.0
Rehabilitate North General Aviation (NGA) Apron	50.0
Landside Drainage Improvements	970.0
Assess Rehabilitate Old Terminal Building	125.0
Rehabilitate Fixed Base Operator (FBO) Hangers	405.0
Total Projects:	\$ 13,550.0

FAA Grant	\$ 10,845.0
Airport CIP Reserves	12.5
Certificates of Obligation	1,302.0
Airport Operating Fund Reserves	1,390.5
Total Funding:	\$ 13,550.0

Parks & Recreation

South Bluff ADA Access Trail & Pavilion	\$ 135.0
Ethel Eyerly Senior Center	55.0
JFK Boat Ramps Improvement Project, Phase 2	625.0
Sunfish Island Nourishment and Breakwater	3,300.0
Oso Creek / Oso Bay Area Park Development (Bond 2008)	3,660.8
Hike and Bike Trails - City Wide (Bond 2008)	420.2
Sports Field Lighting and Other Improvements - City Wide (Bond 2008)	1,373.2
Neighborhood Park Playground & Park Improvements (Bond 2008)	343.2
Cole Park Renovations / Improvements (Bond 2008)	488.1
CC Beach New Bathhouse - Front of Lexington (Bond 2008)	570.6
Extend Promenade Northward North Beach (Bond 2008)	478.2
North Beach Entry Development (Bond 2008)	295.0
Packery Channel Improvements, Phase 2 Parking and Overlooks	80.0
Packery Channel Improvements, Phase 3 Restroom Facilities at Packery Cha	200.0
Packery Channel Improvements, Phase 4 Ramps to Jetties	274.0
Packery Channel Improvements, Phase 5 Pavilion	75.0

Community Development Block Grants	\$ 190.0
Commercial Paper/Revenue Bond	235.6
Texas Parks & Wildlife Grant	2,157.6
Tax Increment Finance District	1,149.0
Donations	45.0
Bond Issue 2008 Proceeds	5,676.4
Sales Tax Proceeds (4A)	3,300.0
Bond Issue 2004 Proceeds	139.7

**2013 CAPITAL BUDGET
(Amounts in 000's)**

PROJECT RECOMMENDATIONS

FUNDING SOURCES

Streets

Area Street and Drainage Improvements Phase 2B Helen and Theresa Street	\$ 66.5	Bond Issue 2004 Proceeds	\$ 91.4
Accessible Routes in CDBG Residential Areas, Phase 2	100.0	Bond Issue 2008 Proceeds	33,313.8
Park Road 22 Bridge	6,830.4	Community Development Block Grants	166.5
Bayfront Development Plan, Phase 3	3,746.2	Nueces County Contribution	388.4
ADA Improvements	1,591.5	General Fund Reserves	180.5
Bear Lane - Old Brownsville Road to SPID	975.2		
Airline Road - Saratoga Boulevard to Rodd Field Road	4,006.1		
Williams Drive, Phase 1 - Rodd Field to Nile Drive	4,100.7		
Williams Drive, Phase 2 - Nile Drive to Airline Road	8,530.1		
Staples Street, Phase 1 - Brawner to Barracuda	7,358.0		
Staples Street, Phase 2 - Barracuda to Gollihar	1,800.4		
TxDOT Participation Projects	1,193.4		
Aquarius Street - Dasmarinas to Commodores	190.5		
Street Lighting - City Wide	474.9		
Traffic Signals (New & Synchronization)	20.0		
Kostoryz Road, Phase 1 - Horne to Sunnybrook	544.0		
Kostoryz Road, Phase 2 - Sunnybrook to S.P.I.D.	1,408.8		
Wooldridge Road - Rodd Field Road to Quebec	361.0		

**2013 CAPITAL BUDGET
(Amounts in 000's)**

PROJECT RECOMMENDATIONS

FUNDING SOURCES

Streets (cont.)

Staples Street, Phase 1 - Saratoga to Holly Road	4,414.6
Staples Street, Phase 2 - Holly to Williams	2,765.4
Up River Road, Rand Morgan to IH-37 (Inside City Limits Only)	100.0
Developer Participation	486.1
Paving Assessments	2,167.8
Buddy Lawrence Drive - Antelope to IH-37	100.0
County Road 69 - County Road 52 to FM 624	50.0
Charles Drive - Leopard to Maple Leaf	968.8
Downtown Streets - Chaparral	2,534.8
Rodd Field/Yorktown Intersection at Airline	3,500.0
Yorktown Extension - Cimarron to Rodd Field Road	5,572.9
Utility relocates funded by Utilities (See Storm Water, Water, Gas, & Wastewater	(31,817.5)

Total Projects: \$ 34,140.6

Total Funding: \$ 34,140.6

**2013 CAPITAL BUDGET
(Amounts in 000's)**

PROJECT RECOMMENDATIONS		FUNDING SOURCES	
Gas			
Corpus Christi Ship Channel Crossing	\$ 379.6	Commercial Paper/Revenue Bd	\$ 2,814.8
West Side Interior Loop	288.8		
Gas Lifecycle Replacement Program	300.0		
Gas Line Parallel to Padre Island Water Main	1,500.0		
Street Utility Relocations	346.4		
	<hr/>		<hr/>
Total Projects:	\$ 2,814.8	Total Funding:	\$ 2,814.8
Storm Water			
IDIQ Major Ditch Improvements	\$ 500.0	Commercial Paper/Revenue Bd	\$ 38,275.1
Lifecycle Curb and Gutter Replacement	877.7	Federal Emergency Management Agency	
Minor Storm Drainage Improvements	500.0	Grant	900.0
Unanticipated Storm Water Capital Requirements	250.0		
Turtle Cove / Jester / Matlock Area Drainage Improvements	1,439.1		
La Volla Creek Channel Excavation	743.5		
Oso Tributary and La Volla Creek Detention Improvements (FEMA)	900.0		
Oso Creek Basin Drainage Relief	1,740.0		
Major Outfall Assessment and Repairs	300.0		
Schanen Ditch Improvements	888.7		
Drainage Channel Excavation - Master Channel 31	590.1		
Egyptian and Meadowbrook/USACE Mitigation	225.0		
McGee Beach Drainage Improvements	100.0		
Concrete Lined Channel Rehabilitation	975.0		
Minor Ditch and Channel Improvements	175.0		
Lifecycle Pipe Rehabilitation and Replacement	500.0		
Storm Water Project Prioritization	500.0		
Bridge Rehabilitation	400.0		
McNorton Channel Improvements	100.0		
Horne Road Ditch Improvements	300.0		
Developer Participation - Storm Water	150.0		
Charles Drive Outfall (Supports Bond 2008)	750.0		
Williams Drive Outfall (Supports Bond 2008)	4,217.6		
Staples Street Outfall (Supports Bond 2008)	3,580.0		
Street Utility Relocations	18,473.4		
	<hr/>		<hr/>
Total Projects:	\$ 39,175.1	Total Funding:	\$ 39,175.1

**2013 CAPITAL BUDGET
(Amounts in 000's)**

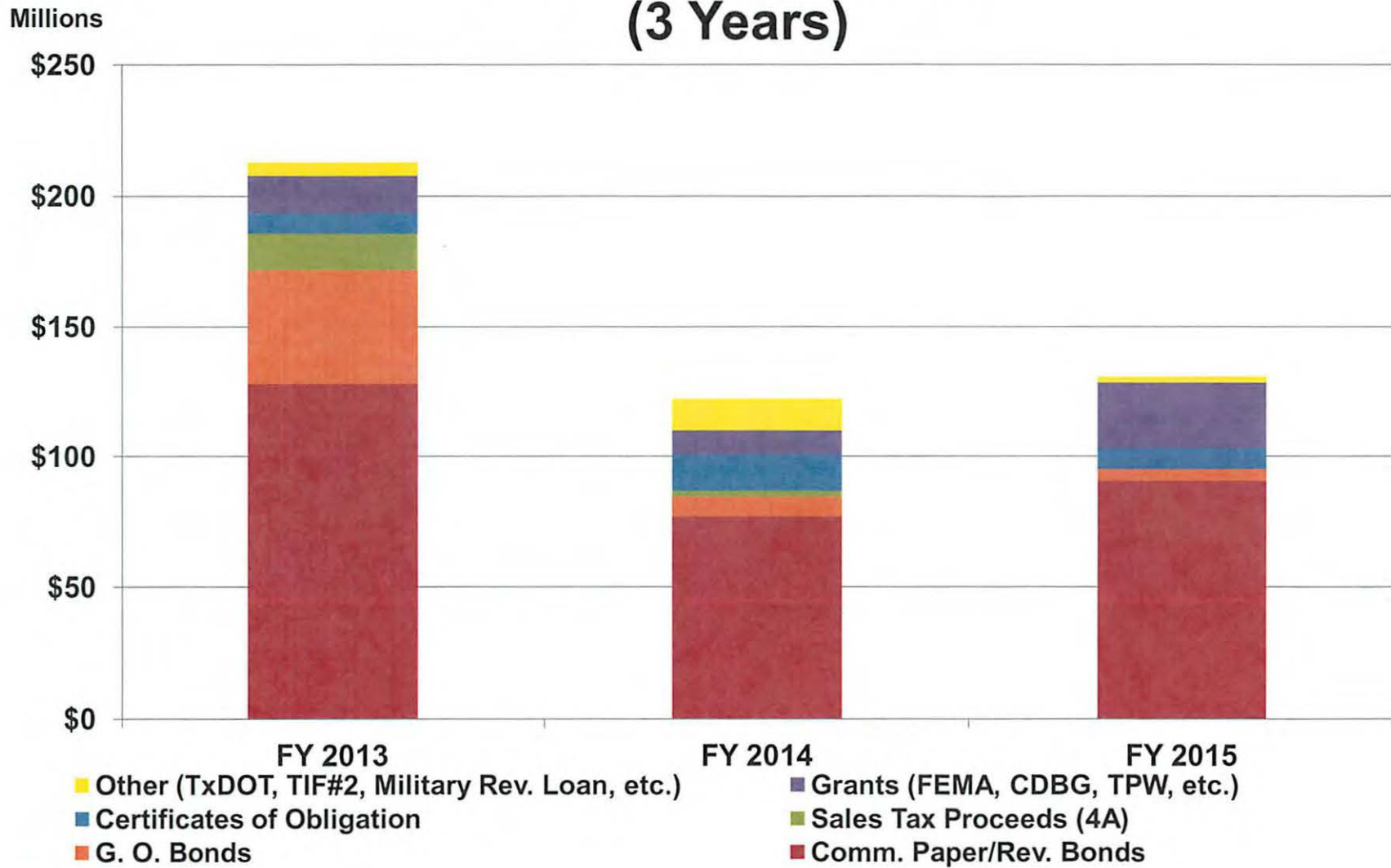
PROJECT RECOMMENDATIONS			FUNDING SOURCES
Wastewater			
New Broadway Plant Wastewater Treatment Plant	\$	26,601.8	Commercial Paper/Revenue Bd
Oso Water Reclamation Plant Interim Ammonia Improvements and Belt Press Facility		8,635.4	\$ 58,155.1
City-Wide Collection System Replacement and Rehabilitation Indefinite Delivery / Indefinite Quantity Program		2,828.0	
City-Wide Hydraulic Model (SSOI)		1,015.0	
Allison WWTP Head Works & Grit System and Chemical		2,443.2	
McBride Lift Station and Force Main Improvements		2,372.0	
Lift Station Repairs - Citywide		225.0	
Unanticipated Wastewater Capital Requirements		150.0	
Whitecap Wastewater Treatment Plant UV System Upgrade		299.0	
Laguna Madre WWTP Head Works & Bar Screen Improvements		375.0	
Oso Water Reclamation Plant Lift Stations Replacement		750.0	
Laguna Shores Road Force Main Replacement		84.4	
Greenwood WWT Plant Emissions & Odor Control		202.5	
Oso Water Reclamation Plant Ammonia Upgrade to 20 MGD		540.0	
Support of Downtown Redevelopment Projects (Wastewater Line and Manhole Replacement)		200.0	
Homeland Security Improvements		112.5	
Oso WRP Effluent Re-Use Distribution System Phase 1		3,320.0	
City-Wide Effluent Water Re-Use Master Plan		146.6	
Developer Utility Participation - Wastewater		100.0	
Broadway Wastewater Plant Demolition		1,000.0	
Street Utility Relocations		6,754.7	
Total Projects:	\$	58,155.1	Total Funding: \$ 58,155.1

2013 CAPITAL BUDGET
(Amounts in 000's)

PROJECT RECOMMENDATIONS	FUNDING SOURCES
Water	
Water Program Management	Commercial Paper/Revenue Bd
\$ 599.1	\$ 28,476.0
ON Stevens Electrical Distribution Improvements	
1,949.3	
Nueces River Raw Water Pump Station	
2,398.9	
ON Stevens Facility Alterations	
3,469.6	
ONS WTP AEP Transmission Line Relocation	
937.5	
ON Stevens On Site Disinfection	
288.3	
ON Stevens Facilities Feed Optimization Improvements (Chlorine/Chloramine Optimization Assessment)	
391.9	
Staples Street Pump Station Phase 2 - Third Pump	
1,500.0	
Programmed Water Line Service Life Extension	
1,366.5	
Wesley Seale Instrumentation Testing and Rehabilitation	
287.5	
Elevated Water Storage Tanks - Citywide	
200.0	
ON Stevens WTP Solids Handling Facility	
225.0	
Mary Rhodes Water Supply Pipeline Phase 2 (Garwood Water Supply Transmission Facilities)	
5,108.6	
Padre Island Alternate Water Transmission Main	
3,360.8	
ON Stevens Alum Facilities Replacement	
50.0	
Developer Utility Participation - Water	
100.0	
Street Utility Relocations	
6,243.0	
Total Projects: \$ 28,476.0	Total Funding: \$ 28,476.0
	TOTAL CAPITAL BUDGET: \$ 212,844.4

CIP Summary

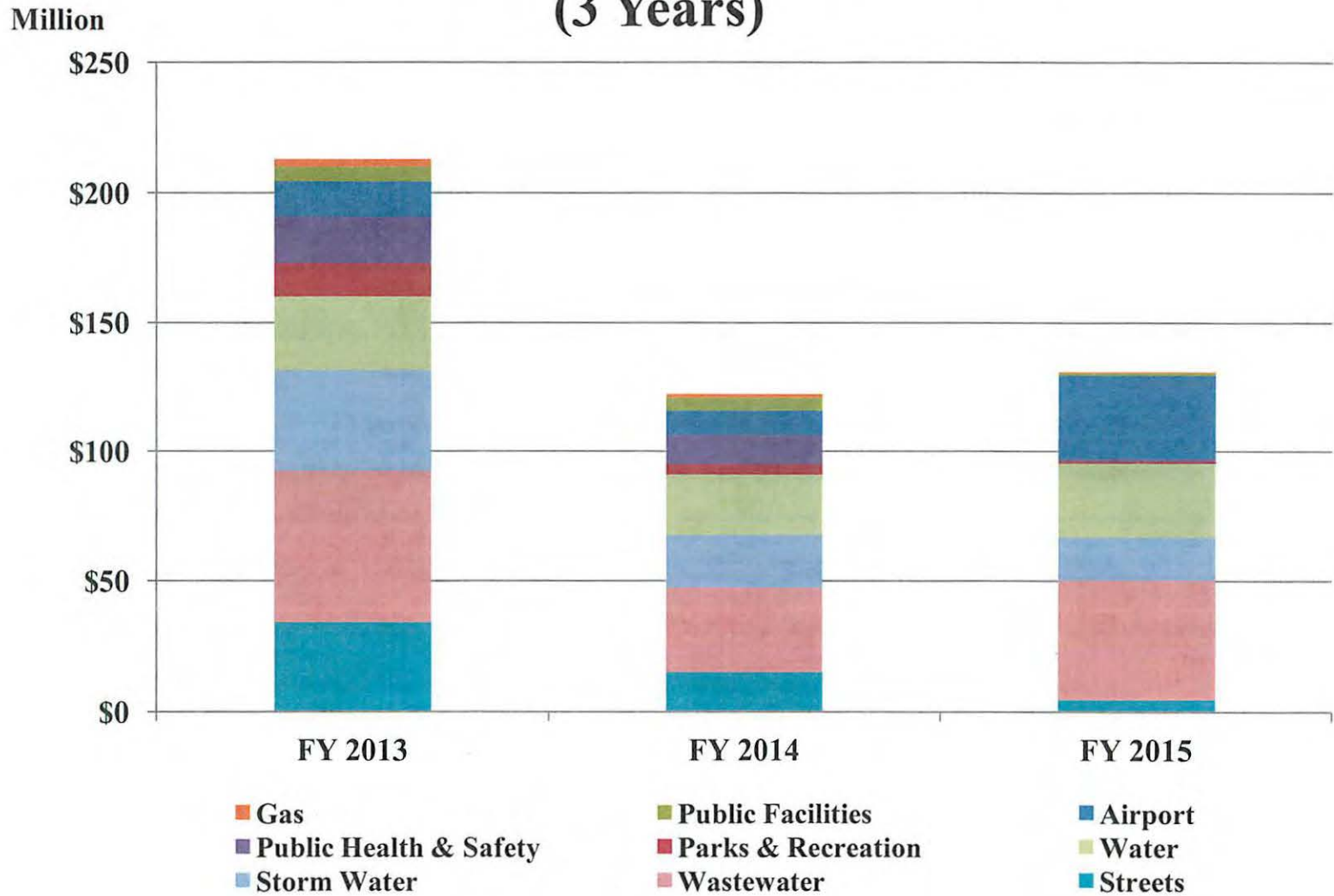
REVENUES BY TYPE (3 Years)



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

Type	Estimated Project-to-Date Funding Sources thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total
CDBG Program	\$ 128.5	\$ 356.5	\$ -	\$ -	\$ 356.5
Certificates of Obligation	4,321.9	7,832.0	13,976.0	8,082.9	29,890.9
CIP Reserves	-	12.5	-	-	12.5
Commercial Paper/Utility Revenue Bonds	78,939.5	127,956.6	76,899.5	90,509.6	295,365.7
Bond Issue 2004 Proceeds	1,733.2	231.1	-	-	231.1
Grant / FAA	1,899.8	10,845.0	8,243.5	24,665.0	43,753.5
Other Funding	1,106.2	3,371.0	1,405.0	1,800.0	6,576.0
Nueces County Contribution	811.6	388.4	-	-	388.4
Tax Increment Financing District	2,813.4	1,149.0	3,343.5	510.0	5,002.5
Donations	332.5	45.0	-	-	45.0
FEMA Grant	-	900.0	500.0	500.0	1,900.0
Texas Parks and Wildlife Department Grant	-	2,157.6	524.5	215.2	2,897.3
Military Revolving Loan	-	-	2,452.4	-	2,452.4
Texas Water Development Board	7,900.0	-	-	-	-
Sales Tax Proceeds (4A)	767.1	14,039.0	2,300.0	-	16,339.0
Bond Issue 2008 Proceeds	65,980.1	43,560.7	7,538.3	4,549.4	55,648.4
Community Enrichment Fund	563.8	-	-	-	-
Texas Department of Transportation	544.0	-	3,996.2	-	3,996.2
Future Bond Issue	-	-	999.1	-	999.1
Regional Transportation Authority	55.4	-	-	-	-
	\$ 167,897.0	\$ 212,844.4	\$ 122,178.0	\$ 130,832.1	\$ 465,854.5

PROGRAM EXPENDITURES (3 Years)

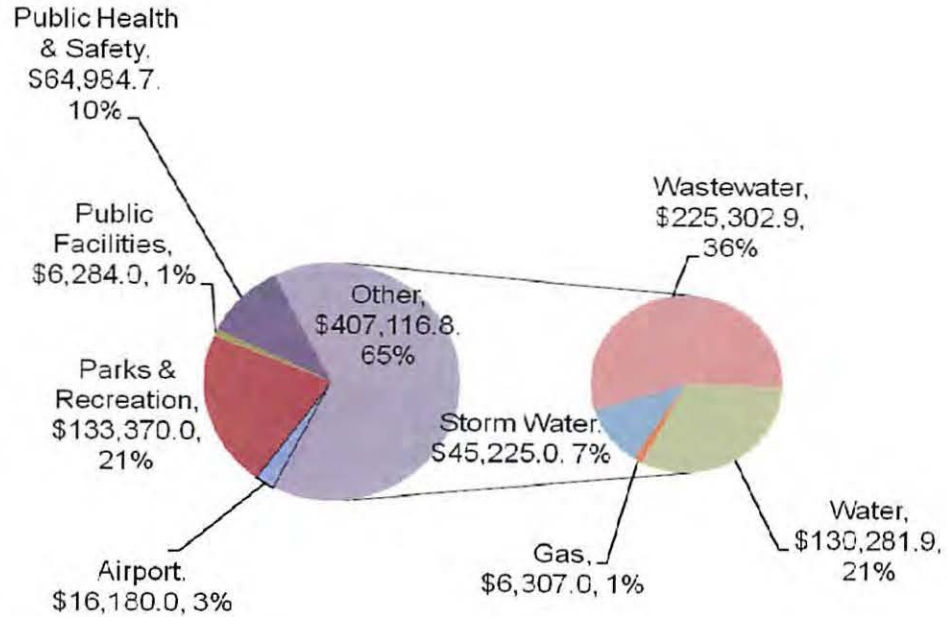


SHORT-RANGE CIP SUMMARY
Expenditures by Program/Project
(Amounts in 000's)

Program / Project	Estimated Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total
Airport	\$ 2,147.8	\$ 13,550.0	\$ 9,527.5	\$ 32,356.9	\$ 55,434.4
Parks & Recreation	9,373.1	12,893.3	3,868.0	725.2	17,486.5
Public Facilities					
American Bank Convention Center and Selena Auditorium Capital Improvements	3,330.1	285.0	-	-	285.0
Greenwood Library Remodeling & Improvements	1,688.0	46.4	-	-	46.4
Energy Efficiency Retrofits of City Facilities	-	4,000.0	4,000.0	-	8,000.0
Comprehensive Facilities Master Plan	-	300.0	-	-	300.0
Comprehensive Facilities Improvements	-	1,000.0	1,000.0	1,000.0	3,000.0
subtotal	5,018.1	5,631.4	5,000.0	1,000.0	11,631.4
Public Health & Safety					
Public Safety Warehouse for Fire and Police	1,105.6	1,149.1	-	-	1,149.1
Relocations of Fire Station #5	236.4	1,958.9	-	-	1,958.9
Holly/Saratoga	183.9	1,916.1	-	-	1,916.1
Barge Dock Elevation Increase	-	8,700.0	-	-	8,700.0
Other	1,758.9	4,284.0	11,397.0	1,191.0	16,872.0
subtotal	3,284.8	18,008.1	11,397.0	1,191.0	30,596.1
Streets					
Street Improvements	57,709.1	32,382.6	14,986.0	4,549.4	51,918.0
ADA Specific Improvements	3,442.0	1,758.0	-	-	1,758.0
subtotal	61,151.1	34,140.6	14,986.0	4,549.4	53,676.0
Utilities					
Gas	57.9	2,814.8	1,471.0	350.0	4,635.8
Storm Water	15,500.1	39,175.1	20,212.8	16,384.1	75,772.0
Wastewater	48,253.5	58,155.1	32,337.7	45,670.4	136,163.2
Water	23,110.6	28,476.0	23,378.0	28,605.1	80,459.1
subtotal	86,922.1	128,621.0	77,399.5	91,009.6	297,030.1
TOTAL:	\$ 167,897.0	\$ 212,844.4	\$ 122,178.0	\$ 130,832.1	\$ 465,854.5

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

Program	FY 2016 AND BEYOND	%
Airport	\$ 16,180.0	3%
Parks & Recreation	\$ 133,370.0	21%
Public Facilities	\$ 6,284.0	1%
Public Health & Safety	\$ 64,984.7	10%
Streets (utilities incl.)	N.A.V.	
Gas	\$ 6,307.0	1%
Storm Water	\$ 45,225.0	7%
Wastewater	\$ 225,302.9	36%
Water	\$ 130,281.9	21%
TOTAL:	\$ 627,935.5	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.

COMMERCIAL PAPER - short-term financing instrument that allows the City to meet short-term financing needs while providing flexibility in funding projects. Upon approaching full utilization of commercial paper, the City issues revenue bonds to replenish the program.

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.

TAX ANTICIPATION NOTES - Short-term debt securities issued in anticipation of future tax collections. TANs are generally issued by state and municipal governments to provide immediate funding for a capital expenditure, such as highway construction. They do not require voter authorization and are usually issued to obtain short-term financing.

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.

CITY OBLIGATIONS – generally includes operating fund transfers to supplement the capital program.

DESCRIPTION / EXPLANATION OF FUNDING SOURCES
(continued)

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 ADA transit enhancements. The City is required to submit a list of proposed street improvements to the RTA and then, within 90 days following the end of the fiscal year, submits a list of funds paid to the city during the previous fiscal year.

Utility Rates

10 Year Utility Rates by Utility (with 10 Year Cumulative Impact)

UTILITY	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	10YR Impact
Average ICL Residential Water Bill Increase (water rate classes on following page)	5.0%	5.8%	2.8%	1.9%	1.8%	1.4%	0.4%	-0.6%	-0.8%	-1.0%	17.7%
Wastewater	0.00%	8.1%	6.08%	-1.87%	3.58%	4.42%	3.86%	0.57%	2.37%	-0.19%	29.83%
Gas	0.00%	0.00%	0.00%	2.50%	3.10%	3.20%	2.90%	2.55%	2.90%	3.00%	21.97%

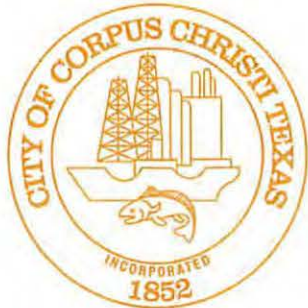
Note: Rate impacts on the various water rate classes is shown on the following page.

10 Year Water Rates by Class (with 10 Year Cumulative Impact)

Water Rate Classes		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	10 Year Impact	
INSIDE-CITY													
Residential													
	2,000 gals/mo	-1.2%	-0.1%	0.1%	0.9%	0.0%	-1.6%	-0.5%	-0.2%	-0.6%	-1.0%	-4.1%	
	3,000 gals/mo	1.5%	2.6%	1.3%	1.4%	0.9%	-0.2%	-0.1%	-0.4%	-0.7%	-1.0%	5.3%	
	5,000 gals/mo	3.8%	4.7%	2.4%	1.7%	1.5%	0.9%	0.2%	-0.5%	-0.8%	-1.0%	13.5%	
	7,000 gals/mo	COMMUNITY AVG	5.0%	5.8%	2.8%	1.9%	1.8%	1.4%	0.4%	-0.6%	-0.8%	-1.0%	17.7%
	10,000 gals/mo	6.0%	6.6%	3.2%	2.0%	2.0%	1.9%	0.5%	-0.6%	-0.8%	-1.0%	21.3%	
	15,000 gals/mo	6.9%	7.3%	3.5%	2.0%	2.2%	2.3%	0.6%	-0.6%	-0.8%	-0.9%	24.6%	
	20,000 gals/mo	7.5%	7.8%	3.7%	2.0%	2.3%	2.6%	0.7%	-0.6%	-0.7%	-0.8%	26.7%	
	30,000 gals/mo	8.0%	8.1%	3.8%	2.0%	2.4%	2.8%	0.8%	-0.6%	-0.7%	-0.8%	28.5%	
	50,000 gals/mo	8.5%	8.5%	4.0%	2.0%	2.4%	3.1%	0.9%	-0.6%	-0.7%	-0.7%	30.4%	
Commercial													
	10,000 gals/mo	5.6%	6.4%	3.1%	1.9%	1.9%	2.0%	0.5%	-0.6%	-0.7%	-0.9%	20.7%	
	25,000 gals/mo	6.8%	7.5%	3.6%	2.1%	2.2%	2.4%	0.7%	-0.6%	-0.8%	-0.9%	25.1%	
	50,000 gals/mo	7.1%	7.8%	3.7%	2.1%	2.3%	2.5%	0.7%	-0.6%	-0.8%	-0.9%	26.1%	
	100,000 gals/mo	7.2%	7.9%	3.7%	2.1%	2.3%	2.6%	0.7%	-0.6%	-0.8%	-0.9%	26.6%	
	500,000 gals/mo	7.5%	8.1%	3.8%	2.1%	2.4%	2.7%	0.7%	-0.6%	-0.8%	-0.9%	27.6%	
Large Volume													
	15,000,000 gals/mo	-2.5%	1.2%	0.5%	1.8%	0.8%	-1.9%	-0.7%	-0.3%	-1.1%	-1.7%	-3.9%	
	25,000,000 gals/mo	Average ICL Lv	-3.3%	2.5%	0.9%	2.3%	1.5%	-1.5%	-0.8%	-0.3%	-1.4%	-1.8%	-1.9%
	100,000,000 gals/mo	-4.5%	4.5%	1.6%	3.0%	2.4%	-1.0%	3.7%	0.9%	3.6%	2.3%	17.4%	
OUTSIDE-CITY													
Large Volume													
	15,000,000 gals/mo	-2.5%	1.2%	0.5%	1.8%	0.8%	-1.9%	-0.7%	-0.3%	-1.1%	-1.7%	-3.9%	
	25,000,000 gals/mo	-3.3%	2.5%	0.9%	2.3%	1.5%	-1.5%	-0.8%	-0.3%	-1.4%	-1.8%	-1.9%	
	100,000,000 gals/mo	-4.5%	4.5%	1.6%	3.0%	2.4%	-1.0%	3.7%	0.9%	3.6%	2.3%	17.4%	
Wholesale													
	SPMWD	1,000,000 gals/mo	-4.0%	2.5%	1.7%	7.0%	3.8%	-2.6%	-0.8%	1.2%	-0.1%	-2.7%	5.7%
	STWA	1,000,000 gals/mo	-4.0%	2.5%	1.7%	7.0%	3.8%	-2.6%	-0.8%	1.2%	-0.1%	-2.6%	5.6%
	NCWCID #4	1,000,000 gals/mo	-4.9%	5.2%	1.8%	3.3%	2.8%	-0.8%	-0.8%	-0.2%	-1.9%	-2.1%	2.0%

Airport

Obligation to the Future



CITY OF CORPUS CHRISTI AIRPORT PROGRAM

The Master Plan Update for the Corpus Christi International Airport establishes a program for the improvement of existing facilities and the 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 2012 – 2013 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.

Over the past 4 years, Corpus Christi International Airport (CCIA) has had several runway incursions occurring near the approaches to Runways 31 and 35. These incursions prompted CCIA to find resolutions to address this significant safety issue. In response, CCIA, in conjunction with the Federal Aviation Authority (FAA), has planned a multitude of projects to address the issue. The projects will also include the relocation of all navigational aids, lighting and signage. The existing surfaces of Runways 17-35 will be rehabilitated with an application of cold-tar emulsion seal coat and marked.

The projects include an environmental assessment, development of the Airport Geographical Information System (AGIS), topographical survey, land acquisition/navigational easement, and memorandums of agreement with the FAA Divisions and TxDOT. The Airport anticipates receiving \$55 million cumulative in entitlements and discretionary FAA funding, with 10% local match.

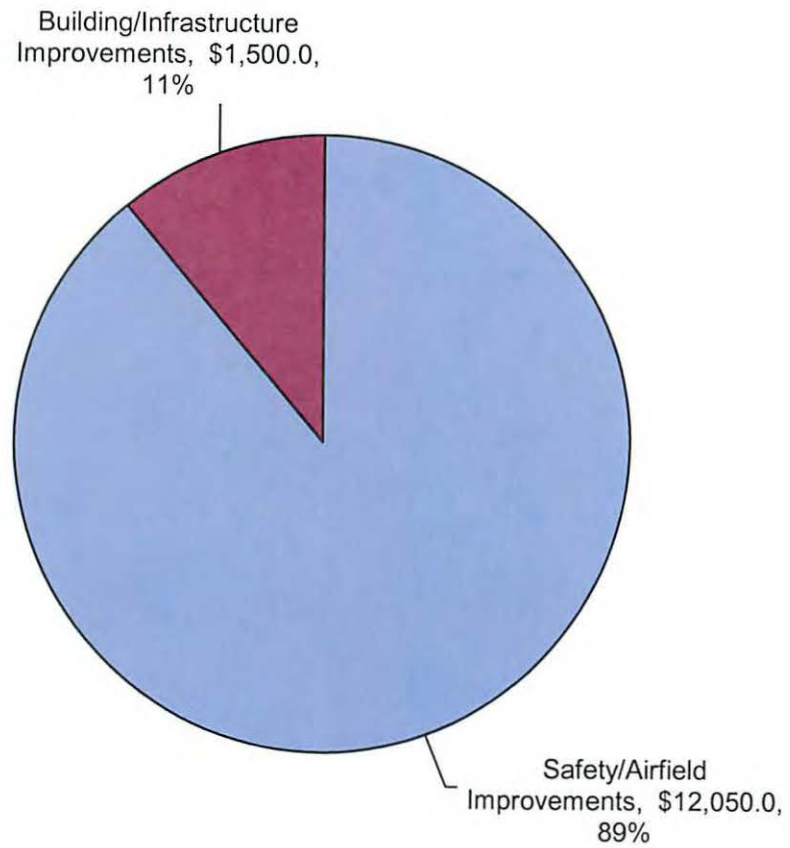
The subsequent years mark the initiation of several projects to improve the infrastructure of the airport facility. Design work will include Parking Lot Improvements, General Aviation (GA) Apron improvements, Fixed Base Operator (FBO) Hanger Improvements, Flight Information Display System (FIDS) Upgrade, and Landside Drainage Improvements. Airport staff continues negotiations for several business development options including the construction and operation of individualized T-Hangars, Fuel Farm, 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. The timeline for future capital improvement projects is subject to Federal Aviation Administration entitlement grant levels and discretionary funding.

A recap of the budgeted expenditures includes:

	YEAR ONE 2012 – 2013	YEAR TWO 2013 – 2012	YEAR THREE 2014-2015
TOTAL PROGRAMMED EXPENDITURES:	\$ 13,550,000	\$ 9,527,500	\$ 32,357,000
FUNDING:			
Airport CIP Reserves	\$ 12,500	\$ 0	\$ 800,000
FAA Grant	\$ 10,845,000	\$ 8,243,500	\$ 24,665,000
Airport Operating Fund Reserve	\$ 1,390,500	\$ 405,000	\$ 0
Certificates of Obligation-Taxable	\$ 1,302,000	\$ 879,000	\$ 6,892,000
TOTAL PROGRAMMED FUNDS:	\$ 13,550,000	\$ 9,527,500	\$ 32,357,000

**Airport
Annual CIP: \$13,550.0
(Amounts in 000's)**



**AIRPORT
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Estimated Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
AV 01	Runway 17-35 Extension Safety Mitigation Project Number: GR45E11046	566.0	12,000.0	-	-	12,000.0
AV 02	Runway 13-31 Extension Safety Mitigation Project Number: GR45E11047	1,092.0	-	-	16,738.9	16,738.9
AV 03	Runway 13-13 Capacity Extension Project Number: TBD	148.0	-	-	4,168.0	4,168.0
AV 04	Taxiway Reconfiguration Project Number: TBD	341.8	-	7,542.5	4,000.0	11,542.5
AV 05	Rehabilitate North General Aviation (NGA) Apron Project Number: TBD	-	50.0	950.0	-	1,000.0
AV 06	Landside Drainage Improvements Project Number: TBD	-	970.0	-	-	970.0
AV 07	Rehabilitate East General Aviation (EGA) Apron Project Number: TBD	-	-	-	250.0	250.0
AV 08	Taxiway F Extension Project Number: TBD	-	-	300.0	6,200.0	6,500.0
AV 09	Assess/Rehabilitate Old Terminal Building Project Number: TBD	-	125.0	-	-	125.0
AV 10	Flight Information Display System Upgrade (FIDS) Project Number: TBD	-	-	330.0	-	330.0
AV 11	North General Aviation (NGA) Apron Extension Project Number: TBD	-	-	-	250.0	250.0

**AIRPORT
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Estimated Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
AV 12	Parking Lot Improvements Project Number: TBD	-	-	-	750.0	750.0
AV 13	Rehabilitate Fixed Base Operator (FBO) Hangers Project Number: TBD	-	405.0	405.0	-	810.0
Airport Program Total:		2,147.8	13,550.0	9,527.5	32,356.9	55,434.4

CURRENTLY AVAILABLE FUNDING:

	FAA Grant	1,899.8	10,845.0	8,243.5	24,665.0	43,753.5
	Airport CIP Reserves	248.0	12.5	-	800.0	812.5
	Airport Operating Fund Reserve	-	1,390.5	405.0	-	1,795.5
	Certificates of Obligation - Taxable	-	1,302.0	879.0	6,891.9	9,072.9
	Total Currently Available:	2,147.8	13,550.0	9,527.5	32,356.9	55,434.4

RECOMMENDED ADDITIONAL FUNDING:

	Total Funding Source:	2,147.8	13,550.0	9,527.5	32,356.9	55,434.4

PROJECT DESCRIPTION

DEPARTMENT: Airport

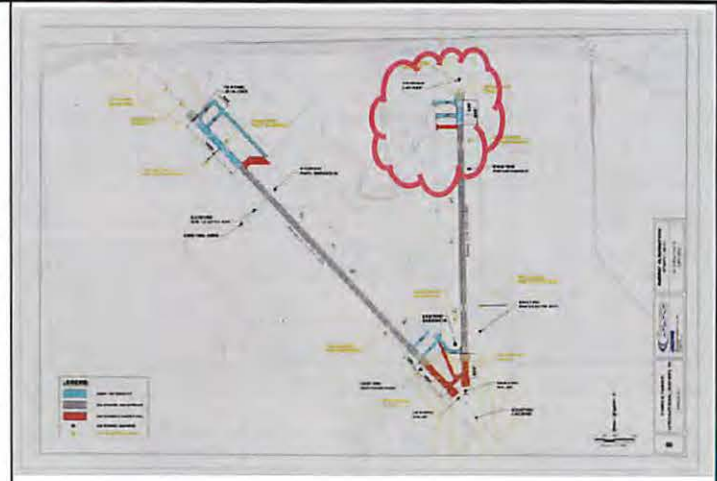
Sequence #01

PROJECT TITLE: Runway 17-35 Extension Safety Mitigation

Consistency with the Comprehensive Plan: Policy Statements pp. 38-39 a&b; Airport Master Plan Chapters 7 & 8

DESCRIPTION:

Over the past 4 years, Corpus Christi International Airport (CCIA) has had several runway incursions with a majority near the approaches to Runways 31 and 35. These incursions prompted CCIA to find resolutions to these significant safety issues. The project will shift Runway 17 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, AGIS, Topographic Survey, Land Acquisition/ Navigational Easement, PDRA, FAA - Memorandum of Agreement.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	566.00					Engineering Project No: TBD E11046 Finance Project No: TBD GR45E11046 A/E Consultant: KSA Engineers Contractor: TBD Award Design: Sept '11 Award Construction: Dec '12 Anticipated Completion: Dec '13
Construction		9,506.00			9,506.0	
Contingency		950.00			950.0	
Inspection/Other		1,544.00			1,544.0	
TOTAL:	566.00	12,000.0	-	-	12,000.0	
Source of Funds						
Airport CIP Reserves	28.30					
FAA Grant	537.70	10,800.00			10,800.0	
Certificate of Obligation		1,200.00			1,200.0	
TOTAL:	566.00	12,000.0	-	-	12,000.0	

OPERATIONAL IMPACT:

Projected operational impact of additional \$10,000 for additional electricity for lighting and runway sweeping and maintenance.

PROJECT DESCRIPTION

DEPARTMENT: Airport

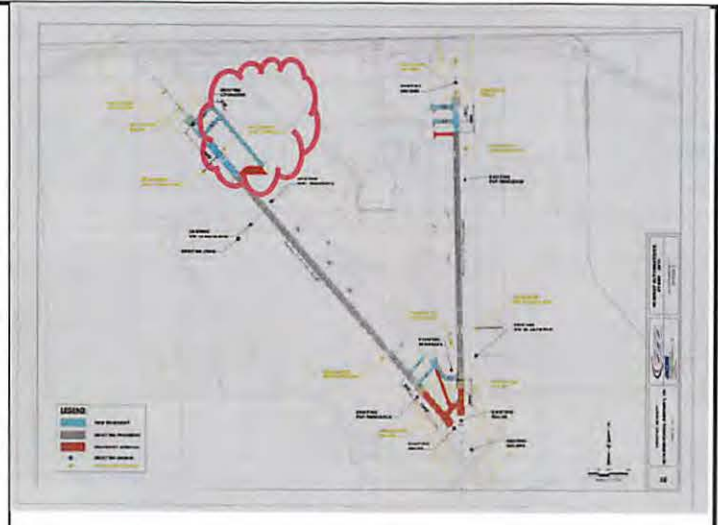
Sequence #02

PROJECT TITLE: Runway 13-31 Extension Safety Mitigation

Consistency with the Comprehensive Plan: Policy Statements pp. 38-39 a&b; Airport Master Plan chapters 7 & 8

DESCRIPTION:

Over the past 4 years, Corpus Christi International Airport (CCIA) has had several runway incursions, with a majority near the approaches to Runways 31 and 35. These incursions prompted CCIA to find resolutions to these significant safety issues. 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, lighting, 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, AGIS, Topographic Survey, Land Acquisition/Navigational Easement, PDRA, FAA-Memorandum of Agreement.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	1,092.0					Engineering Project No: E10047 Finance Project No: GR45E10047 A/E Consultant: KSA Engineers Contractor: TBD Award Design: Sept '11 Award Construction: Dec '13 Anticipated Completion: Dec '14
Construction				14,102.0	14,102.0	
Contingency				1,410.2	1,410.2	
Inspection/Other				1,226.7	1,226.7	
TOTAL:	1,092.0	-	-	16,738.9	16,738.9	
Source of Funds						
Airport CIP Reserves	54.6					
FAA Grant	1,037.4			15,065.0	15,065.0	
Certificate of Obligation				1,673.9	1,673.9	
TOTAL:	1,092.0	-	-	16,738.9	16,738.9	

OPERATIONAL IMPACT:

Projected operational impact of additional \$10,000 for additional electricity for lighting and runway sweeping and maintenance.

PROJECT DESCRIPTION

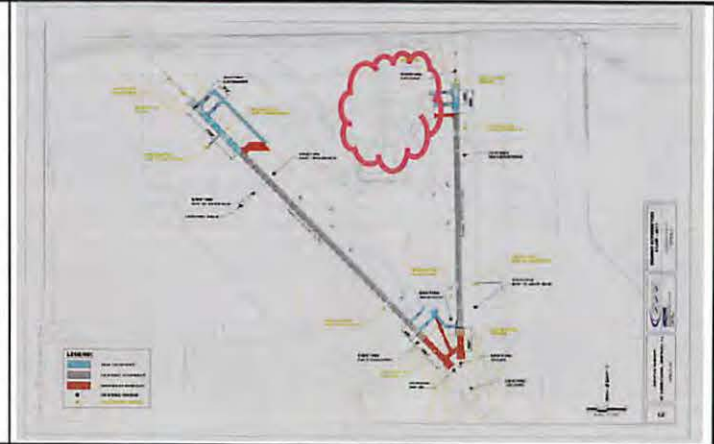
DEPARTMENT: **Airport** Sequence #03

PROJECT TITLE: Runway 13-31 Capacity Extension

Consistency with the Comprehensive Plan: Policy Statement pp. 38-39 a&b; Airport Master Plan chapters 7 & 8

DESCRIPTION:

This portion of the project is non-FAA eligible and consists of extending Runway 13 additional 600 ft. to the north and displace 31 by 1000 ft. and associated new connecting taxiways; reconfigure the connecting taxiways accessing Runway 13-31 from Taxiway Bravo and the terminal apron parking. Relocation of all navigation aids, lighting and signage, rehabilitation of existing surfaces of Runways 13-31 via cold-tar application and marked accordingly. An Environmental Assessment, AGIS, Topographic Survey, Land Acquisition/ Navigational Easement, FAA - Memorandum of Agreement will be included.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	148.0					
Construction				3,474.0	3,474.0	Finance Project No: TBD
Contingency				347.0	347.0	
Inspection/Other				347.0	347.0	
TOTAL:	148.00	-	-	4,168.0	4,168.0	A/E Consultant: KSA Engineers
						Contractor: TBD
Source of Funds						Award Design: Sept '11
Airport CIP Reserves	148.0					Award Construction: Dec '13
Certificates of Obligation				4,168.0	4,168.0	Anticipated Completion: Dec '14
TOTAL:	148.00	-	-	4,168.0	4,168.0	

OPERATIONAL IMPACT:

Projected operational impact of additional \$10,000 for additional electricity for lighting and runway sweeping and maintenance.

PROJECT DESCRIPTION

DEPARTMENT: Airport

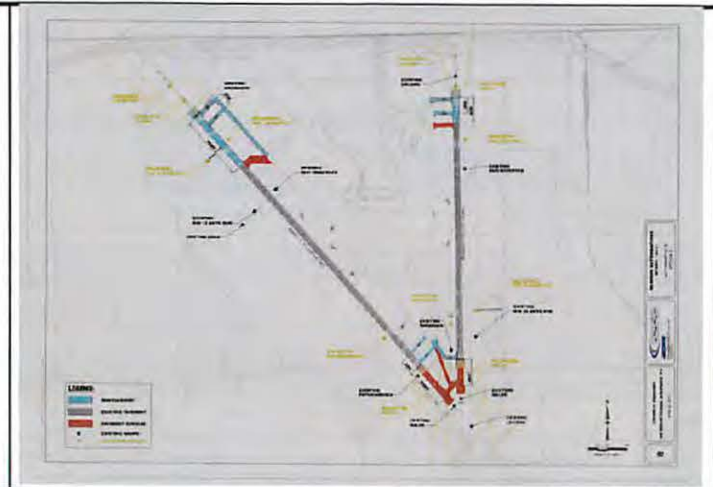
Sequence #04

PROJECT TITLE: Taxiway Reconfiguration

Consistency with the Comprehensive Plan: Policy Statements pp. 38-39 a&b; Airport Master Plan chapters 7 & 8

DESCRIPTION:

This project reconfigures Taxiway geometric alignments and safety considerations as determined by the study. The design will address and improve the safety and operations of the airfield by elimination of nesting taxiway intersections. The project includes Taxiway H adjoining future T-Hangar apron, taxiway LED lighting, signage, and pavement markings. Phase I Construction will be concurrent with runway (RWY) 17-35. Phase II Construction will be concurrent with RWY 13-31



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	341.8		6,220.5	3,300.0	9,520.5	Engineering Project No: TBD
Construction			622.0	330.0	952.0	Finance Project No: TBD
Contingency						A/E Consultant: KSA Engineers
Inspection/Other			700.0	370.0	1,070.0	Contractor: TBD
TOTAL:		-	7,542.5	4,000.0	11,542.5	Award Design: Sept '11
Source of Funds						Award Construction: Dec '12
Airport CIP Reserves	17.1					Anticipated Completion: Dec '14
FAA Grant	324.7		6,788.5	3,600.0	10,388.5	
Certificate of Obligation			754.0	400.0	1,154.0	
TOTAL:	341.8	-	7,542.5	4,000.0	11,542.5	

OPERATIONAL IMPACT:

An operational impact of \$10,000 for additional electricity for lighting and runway sweeping and maintenance is projected.

PROJECT DESCRIPTION

DEPARTMENT: Airport

Sequence #05



PROJECT TITLE: Rehabilitate North General Aviation (NGA) Apron

Consistency with the Comprehensive Plan: Policy Statements pp. 38-39 a&b; Airport Master Plan chapters 7 & 8

DESCRIPTION:

Rehabilitate North General Aviation (GA) Apron to include the removal of existing asphaltic 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 NGA apron is essential for maintaining service to GA Aircraft. Construction will take place at a later date subject to Federal grant appropriation and funding.

FUNDING SCHEDULE (Amounts in 000's)

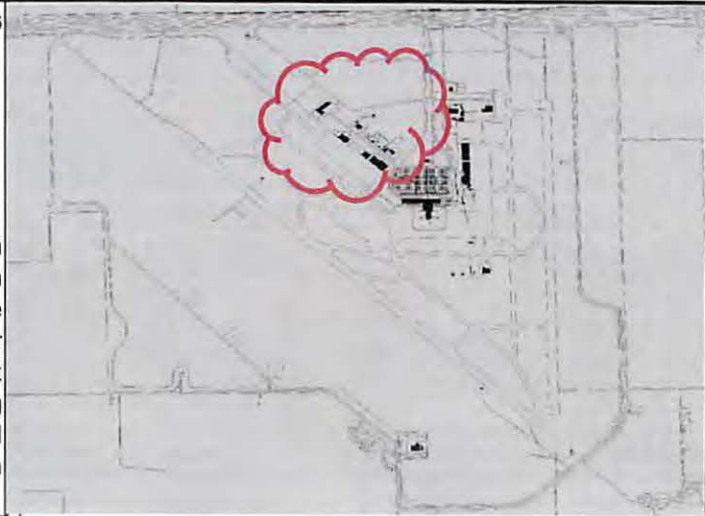
Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering		50.0			50.0	Engineering Project No: TBD Finance Project No: TBD A/E Consultant: KSA Eng. Contractor: TBD Award Design: TBD Award Construction: TBD Anticipated Completion: TBD
Construction			850.0		850.0	
Contingency			50.0		50.0	
Inspection/Other			50.0		50.0	
TOTAL:		50.0	950.0	-	1,000.0	
Source of Funds						
FAA Grant		45.0	855.0		900.0	
Certificate of Obligation		5.0	95.0		100.0	
TOTAL:		50.0	950.0	-	1,000.0	

OPERATIONAL IMPACT:

There is no projected operational impact.

PROJECT DESCRIPTION

DEPARTMENT: Airport Sequence #06



PROJECT TITLE: Landside Drainage Improvements
Consistency with the Comprehensive Plan: Policy Statements pp. 38-39 a&b; Airport Master Plan chapters 7 & 8

DESCRIPTION:
 Improvements to landside drainage are required to eliminate standing water adjacent to Pinson Drive and Glasson. Pinson Drive and Glasson connect to International Drive and serve as an alternate route to tenants, cargo deliveries and employees located on the western side of the Airport. The Airport Drainage Study has identified corrective measures to these areas for improvements. Localized corrective measures have been completed in other phases of airport drainage improvements. However, additional work is required to continue to correct existing drainage problems and meet the 25-year storm water event requirement. Improvements will include curb and gutter, drainage, landscaping, signage, and installation of lighting. Construction will take place at a later date subject to funding.

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering		50.0			50.0	Engineering Project No: TBD
Construction		900.0			900.0	Finance Project No: TBD
Contingency						
Inspection/Other		20.0			20.0	A/E Consultant: KSA Eng.
TOTAL:		970.0	-	-	970.0	Contractor: TBD
Source of Funds						Award Design: Jan '12
Airport Operating Reserve		873.0			873.0	Award Construction: Dec '12
Certificate of Obligation		97.0			97.0	Anticipated Completion: TBD
TOTAL:		970.0	-	-	970.0	

OPERATIONAL IMPACT:
 No operational impact anticipated.

PROJECT DESCRIPTION

DEPARTMENT: Airport

Sequence #07

PROJECT TITLE: Rehabilitate East General Aviation (EGA) Apron

DESCRIPTION:

Rehabilitate East General Aviation (GA) Apron to include the removal of existing asphaltic 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 GA apron is essential for maintaining service to GA Aircraft. Construction will take place at a later date subject to Federal grant appropriation and funding.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering						Engineering Project No: TBD Finance Project No: TBD A/E Consultant: KSA Eng. Contractor: TBD Award Design: January '12 Award Construction: Aug '14 Anticipated Completion: TBD
Construction				250.0	250.0	
Contingency						
Inspection/Other						
TOTAL:		-	-	250.0	250.0	
Source of Funds						
Airport CIP Reserves				25.0	25.0	
FAA Grant				225.0	225.0	
TOTAL:		-	-	250.0	250.0	

OPERATIONAL IMPACT:

There is no projected operational impact.

PROJECT DESCRIPTION

DEPARTMENT: Airport Sequence #08

PROJECT TITLE: Taxiway F Extension
Consistency with the Comprehensive Plan: Policy Statements pp. 38-39 a&b; Airport Master Plan chapters 7 & 8

DESCRIPTION:
 To extend from Taxiway F approximately 1600' to connect at Taxiway B at the approach end of Runway 13. Construction will include asphaltic concrete, pavement markings, taxiway edge lighting, and taxiway signage. Construction will take place subject to Federal grant appropriation and funding.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering			300.00		300.0	Engineering Project No: TBD Finance Project No: TBD A/E Consultant: KSA Eng. Contractor: TBD Award Design: Sept. '11 Award Construction: Dec '13 Anticipated Completion: Dec '14
Construction				6,000.0	6,000.0	
Contingency				100.0	100.0	
Inspection/Other				100.0	100.0	
TOTAL:		-	300.0	6,200.0	6,500.0	
Source of Funds						
FAA Grant			270.0	5,550.0	5,820.0	
Certificate of Obligation			30.0	650.0	680.0	
TOTAL:		-	300.0	6,200.0	6,500.0	

OPERATIONAL IMPACT:

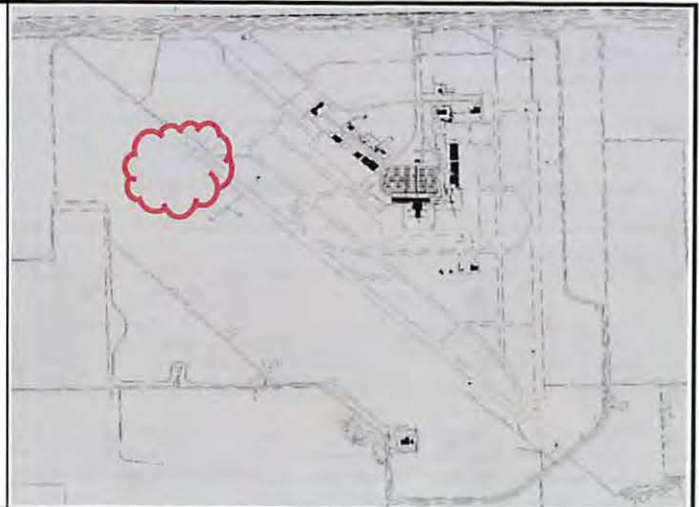
Projected operational impact of additional \$10,000 for additional electricity for lighting and runway sweeping and maintenance.

PROJECT DESCRIPTION

DEPARTMENT: Airport Sequence #09

PROJECT TITLE: Assess/Rehabilitate Old Terminal Building
Consistency with the Comprehensive Plan: Policy Statements pp. 38-39 a&b; Airport Master Plan chapters 7 & 8

DESCRIPTION:
 A deterioration has been in the Old Terminal Building infrastructure and could lead to health and safety risks. An engineering assessment is to be conducted to determine the structural, mechanical, electrical and plumbing integrity of the facility, identifying problems, solutions and associated remediation costs.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering Construction Contingency Inspection/Other		125.0			125.0	Engineering Project No: TBD Finance Project No: TBD A/E Consultant: KSA Eng.
TOTAL:		125.0	-	-	125.0	Contractor: TBD
Source of Funds						Award Design: TBD
Airport CIP Reserves		12.5			12.5	Award Construction: TBD
Airport Operating Reserve		112.5			112.5	Anticipated Completion: TBD
TOTAL:		125.0	-	-	125.0	

OPERATIONAL IMPACT:
 No operational impact anticipated.

PROJECT DESCRIPTION

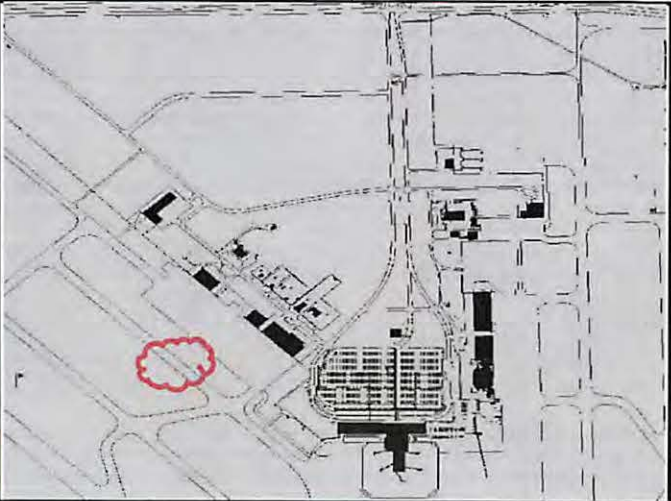
DEPARTMENT: Airport Sequence #10

PROJECT TITLE: Flight Information Display System Upgrade (FIDS)

Consistency with the Comprehensive Plan: Policy Statement pp. 38-39 a&b; Airport Master Plan chapters 7 & 8

DESCRIPTION:

Replace the old system and monitors with a state-of-the-art Flight Information Display System (FIDS) based on the latest software/hardware technology to include LCD monitors. FIDS will be designed to provide airport management with automated control to distribute and display real-time flight information to passengers and airport operational staff. It will be designed as an all encompassing solution for the airport. The system includes a web-based platform that enables airline differentiated check-in counter (layout-)control system for existing environments. The system allows mobile devices (e.g. Smart phone) to access flight and weather information via the City's web-site, and automatic updates through the airline feeds for real time flight information. The system will be fully ADA compliant.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering			40.0		40.0	Engineering Project No: TBD
Construction			240.0		240.0	Finance Project No: TBD
Contingency			30.0		30.0	A/E Consultant: TBD
Inspection/Other			20.0		20.0	Contractor: TBD
TOTAL:		-	330.0	-	330.0	Award Design: TBD
Source of Funds						Award Construction: TBD
FAA Grant			330.0		330.0	Anticipated Completion: TBD
TOTAL:		-	330.0	-	330.0	

OPERATIONAL IMPACT:

Project operation impact of additional \$7,000-\$12,000 for host web based platform system annually.

PROJECT DESCRIPTION

DEPARTMENT: Airport

Sequence #11



PROJECT TITLE: North General Aviation (NGA) Apron Extension

Consistency with the Comprehensive Plan: Policy Statements pp. 38-39 a&b; Airport Master Plan chapters 7 & 8

DESCRIPTION:

To extend from the North General Aviation (GA) Apron south to the East GA Apron. Placement of reinforced concrete, aircraft tie-downs, striping and upgrades of apron lighting. The apron is essential for maintaining service to GA Aircraft. Construction will take place at a later date subject to Federal grant appropriation and funding.

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Estimated Project-to-Date Expenditures	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering						Engineering Project No: TBD Finance Project No: TBD
Construction				250.0	250.0	
Contingency						A/E Consultant: KSA Eng. Contractor: TBD
Inspection/Other						
TOTAL:		-	-	250.0	250.0	
Source of Funds						Award Design: TBD
Airport CIP Reserves				25.0	25.0	Award Construction: TBD
FAA Grant				225.0	225.0	
TOTAL:		-	-	250.0	250.0	Anticipated Completion: TBD

OPERATIONAL IMPACT:

There is no projected operational impact with this project due to existing area improvements only.

PROJECT DESCRIPTION

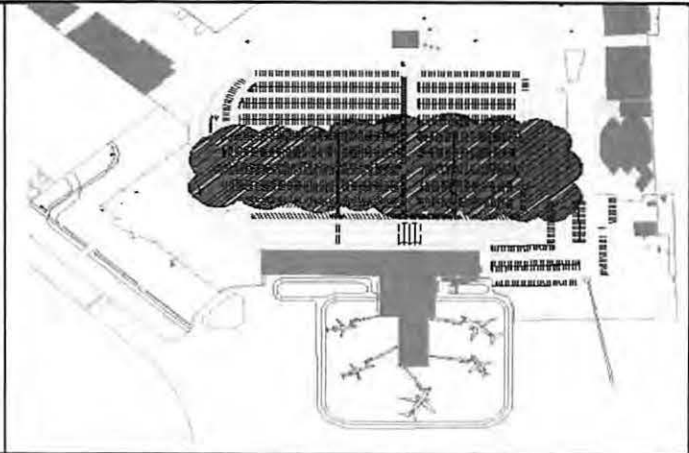
DEPARTMENT: Airport Sequence #12

PROJECT TITLE: Parking Lot Improvements

Consistency with the Comprehensive Plan: Policy Statements pp. 38-39 a&b; Airport Master Plan chapters 7 & 8

DESCRIPTION:

This project will increase the number of covered parking spaces by an additional seventy-five (75) spaces to accommodate the Airport Master Plan and Area Two. An additional fifty-four (54) spaces will be needed to accommodate Area Three. Other improvements include drainage, landscaping, signage, and installation of replacement lighting. This project proposes to generate additional revenue and meet customer demand for additional covered parking spaces.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering				50.0	50.0	Engineering Project No: TBD
Construction				600.0	600.0	Finance Project No: TBD
Contingency				50.0	50.0	A/E Consultant: TBD
Inspection/Other				50.0	50.0	Contractor: TBD
TOTAL:		-	-	750.0	750.0	Award Design: TBD
Source of Funds						Award Construction: TBD
Airport CIP Reserves				750.0	750.0	Anticipated Completion: TBD
TOTAL:		-	-	750.0	750.0	

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 and CIP Reserves

PROJECT DESCRIPTION

DEPARTMENT: Airport Sequence #13

PROJECT TITLE: Rehabilitate Fixed Base Operator (FBO) Hangars
Consistency with the Comprehensive Plan: Policy Statements pp. 38-39 a&b; Airport Master Plan chapters 7 & 8

DESCRIPTION:
 Rehabilitation of Fixed Base Operators Hangars will be required as these facilities revert back to the City of Corpus Christi Aviation Department. A structural Engineering study has identified several areas of the hangar faculties that will require rehab due to age and corrosion factors.



FUNDING SCHEDULE (Amounts in 000's)

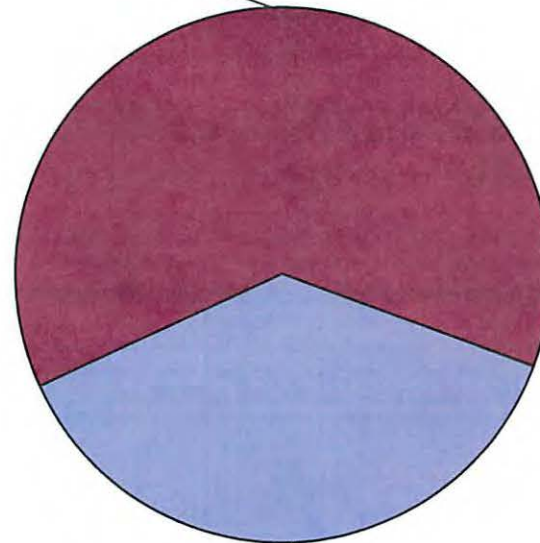
Use of Funds	Estimated Project-to-Date Expenditures	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering		50.0	50.0		50.0	Engineering Project No: TBD
Construction		300.0	300.0		300.0	Finance Project No: TBD
Contingency		30.0	30.0		30.0	A/E Consultant: TBD
Inspection/Other		25.0	25.0		25.0	Contractor: TBD
TOTAL:		405.0	405.0	-	810.0	Award Design: TBD
Source of Funds						Award Construction: TBD
Airport Operating Reserve		405.0	405.0		810.0	Anticipated Completion: TBD
TOTAL:		405.0	405.0	-	810.0	

OPERATIONAL IMPACT:

There is no project increase to the airport operational budget, but a decrease due to increased efficiencies is anticipated.

**Airport
Long-Range CIP: \$16,180.0
(Amounts in 000's)**

Safety/Airfield
Improvements, \$10,110.0,
62%



Building/Infrastructure
Improvements, \$6,070.0,
38%

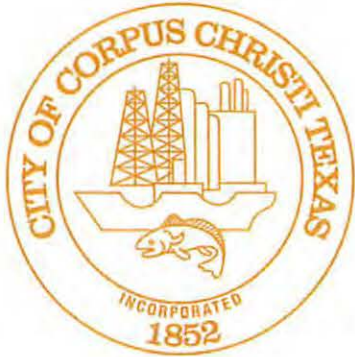
AIRPORT LONG-RANGE CIP

- | | | |
|---|---|--------------------|
| 1 | Land Acquisition (FAR Part 150) | \$1,500,000 |
| | <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 | Airport Master Plan Update | \$400,000 |
| | <p>The Airport Plan was last updated in 2005. The Federal Aviation Administration encourages updating the Master Plan approximately every five (5) years to reflect changing conditions.</p> | |
| 3 | Aircraft Gates and Passenger Hold Rooms | \$2,729,000 |
| | <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 and PAL 3. The expansion of the airside hold rooms will require the paving of an additional ramp apron as well as the relocation of the taxiway on the south end of the current terminal.</p> | |
| 4 | Arrival Hall, Baggage Claim and Vehicle Curb | \$1,212,000 |
| | <p>This project consists of the expansion of the existing Arrival Hall and Baggage Claim area, including relocation of the rental car counters, installation of two additional baggage claim devices, the creation of meters/greeters queuing area and group assembly area. This project also consists of expanding the commercial vehicle curb to allow increased traffic activity.</p> | |
| 5 | Long-Term Parking | \$759,000 |
| | <p>This project consists of increasing the number of long-term parking spaces to an additional 130 spaces in order to accommodate Passenger Activity Level (PAL) 2. An additional 121 spaces will be needed to accommodate PAL 3.</p> | |
| 6 | Rehabilitate East General Aviation (GA) Apron | \$3,050,000 |
| | <p>The East GA Apron consists of approximately 37,000 square yards of asphaltic concrete. Rehabilitation will include pavement assessment, removal of asphaltic apron and replacement with reinforced concrete. Apron serves Signature Flight Support which provides service to GA aircraft customers and Naval Air Station Corpus Christi training aircraft.</p> | |
| 7 | Taxiway F Area 1 & 2 - Extension | \$5,080,000 |
| | <p>The U.S. Coast Guard is designing a 50,000 square foot facility on approximately 16 acres that will accommodate personnel and aircraft. The project will necessitate the extension of Taxiway F by approximately 1,500 linear feet and will include lighting and signage improvements.</p> | |

**AIRPORT
LONG-RANGE CIP**

8	<u>T-Hangar Taxi Lane Apron, Phase 1 & 2</u> Construction of T-Hangars will require the rehabilitation of aprons to service the hangar area. The hangars will service General Aviation (GA) aircraft.	<u>\$1,270,000</u>
9	<u>Communications Building Demolition</u> 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.	<u>\$80,000</u>
10	<u>Pet Kennel</u> As part of an overall initiative to develop non-airline revenue, the Airport is proposing the construction of a pet boarding facility for short and long-term periods of time. The facility would provide passengers a convenient boarding service for pets for the duration of the passenger's trip.	<u>\$100,000</u>
11	<u>Repairs to International Drive</u> These improvements are necessary to adequately control the flow and collection of water during significant rain events. Relocation of signage would clarify direction and intended points of location. The Airport is a primary portal for ingress and egress of equipment and people during emergency events. Corpus Christi International Airport is designated a vital staging area for emergency relief and potential post storm evacuation point. As such, clear and efficient access is crucial to successful emergency planning and execution. Improvements to International Drive will include storm sewer, curb and gutter, and shoulders along the length of the both roadways, repairs of base failures, overlay, markings and street lighting. Additional work will include the relocation of overhead signage.	<u>TBD</u>
<u>TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:</u>		<u>\$16,180,000</u>

Parks



CITY OF CORPUS CHRISTI 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 2008 Bond election which provided funding to create new and renovate existing parks and recreational facilities throughout the City. The Bond Issue 2008 Parks Program has constructed numerous improvements and remaining projects to be concluded this year include:

- Area and neighborhood park development and improvements;
- Hike and bike trails;
- Irrigation, lighting and other general improvements to selected sports fields;
- Improvements to the North Beach area

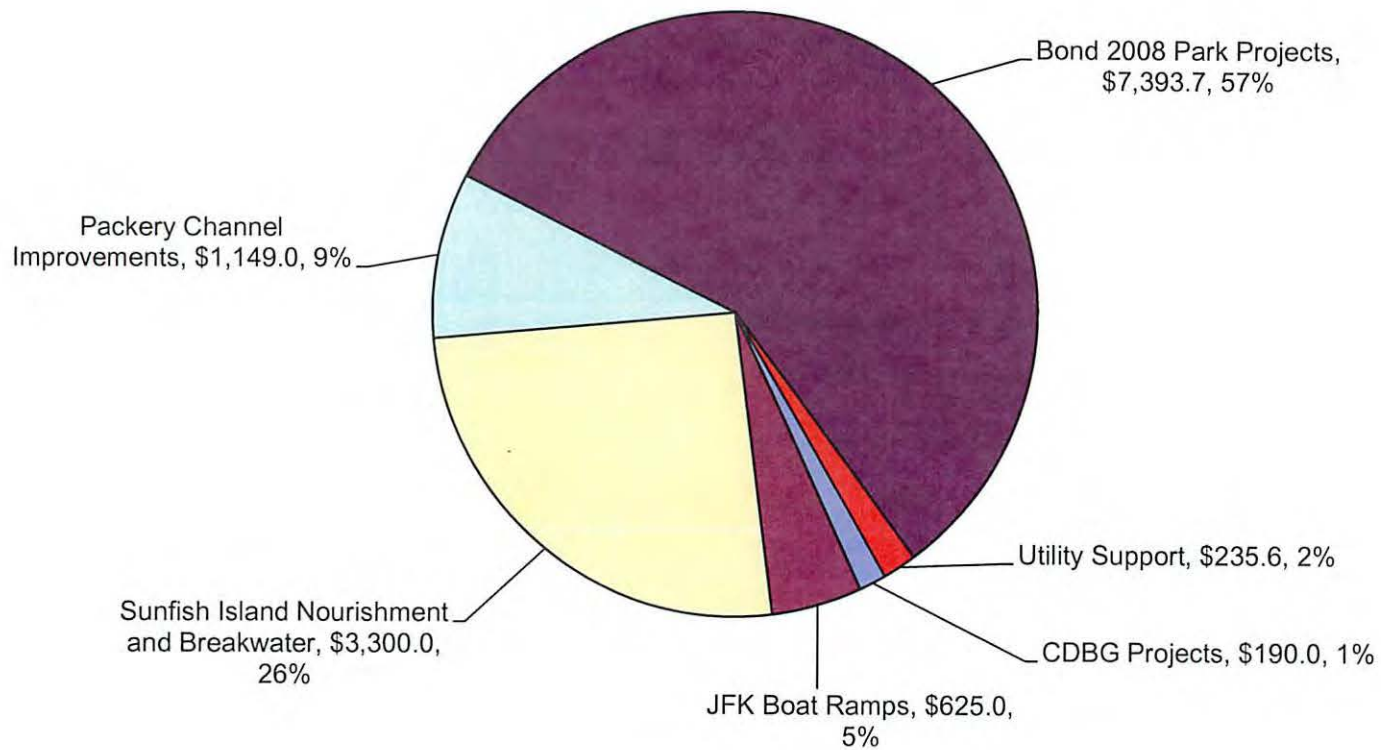
Specific Bond 2008 projects include a new city interpretive/conservation nature park to be developed along the Oso Creek / Oso Bay area. This park will include a conservation center, camp grounds, trails, restrooms, information kiosks, wetland development and other amenities. The park will be a resource for area schools to develop environmental programs and will be an entirely "Green Development" project showcasing the local environment. Grants to supplement the project have been received from Texas Parks and Wildlife Department and General Land Office. Additional work will take place at neighborhood parks and sports fields throughout the city. Planned improvements include new trails, playgrounds and sports equipment as well as update sports field lighting on fields not included in previous bond elections. All improvements have been designed and are being constructed with individual league coordination. Some fields do not need lighting, but will receive other improvements to their facilities which will enhance safety and appearance of the field for the participants and visitors to enjoy.

Scheduled work for Fiscal Year 2013 includes the construction of Packery Channel Phase 4 for stairs and ADA compliant ramps on the north and south side of the channel. Design work for Phase 3, a restroom facility on the north side of the channel is scheduled to begin this year as well. Additional projects to support the needs of the channel are listed under miscellaneous project support. All island projects will be developed with the concurrence of the Island Strategic Action Committee.

A recap of the budgeted expenditures includes:

EXPENDITURES:	YEAR ONE 2012– 2013	YEAR TWO 2013 – 2014	YEAR THREE 2014 – 2015
TOTAL PROGRAMMED EXPENDITURES:	\$12,893,300	\$ 3,868,000	\$ 725,200
FUNDING:			
Community Development Block Grants	\$ 190,000	\$ 0	\$ 0
Texas Parks & Wildlife Grant	\$ 2,157,600	\$ 524,500	\$ 215,200
Bond Issue 2008 Proceeds	\$ 5,676,400	\$ 0	\$ 0
Bond Issue 2004 Reserves	\$ 139,700	\$ 0	\$ 0
Donations	\$ 45,000	\$ 0	\$ 0
Sales Tax Proceeds (4A)	\$ 3,300,000	\$ 0	\$ 0
Tax Increment Financing District	\$ 1,149,000	\$ 3,343,500	\$ 510,000
Revenue Bonds/Commercial Paper	\$ 235,600	\$ 0	\$ 0
TOTAL PROGRAMMED FUNDS:	\$12,893,300	\$ 3,868,000	\$ 725,200

**Parks and Recreation
Annual CIP: \$12,893.3
(Amounts in 000's)**



**PARKS AND RECREATION
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
PR 01	South Bluff ADA Access Trail & Pavilion Finance Number: 851120 Engineering Number: E11044	-	135.0	-	-	135.0
PR 02	Ethel Eyerly Senior Center Finance Number: 851210 Engineering Number: E11126	45.0	55.0	-	-	55.0
PR 03	JFK Boat Ramps Improvement Project, Phase 2 Finance Number: TBD Engineering Number: TBD	-	625.0	-	-	625.0
PR 04	Sunfish Island Nourishment and Breakwater Finance Number: TBD Engineering Number: TBD	-	3,300.0	-	-	3,300.0
PR 05	Oso Creek / Oso Bay Area Park Development (Bond 2008) Finance Number: 130280 Engineering Number: 3380	1,580.7	3,660.8	524.5	215.2	4,400.5
PR 06	Hike and Bike Trails - City Wide (Bond 2008) Finance Number: 130291 Engineering Number: 3381	79.8	420.2	-	-	420.2
PR 07	Sports Field Lighting and Other Improvements - City Wide (Bond 2008) Finance Number: 130076 Engineering Number: 3382	1,626.8	1,373.2	-	-	1,373.2
PR 08	Neighborhood Park Playground & Park Improvements (Bond 2008) Finance Number: 130252 Engineering Number: 3383	406.8	343.2	-	-	343.2

**PARKS AND RECREATION
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
PR 09	Cole Park Renovations / Improvements (Bond 2008) Finance Number: 130054 / E11027 Engineering Number: 3384	2,411.9	488.1	-	-	488.1
PR 10	CC Beach New Bathhouse - Front of Lexington (Bond 2008) Finance Number: 130131 Engineering Number: 3392	86.8	570.6	-	-	570.6
PR 11	Extend Promenade Northward North Beach (Bond 2008) Finance Number: 130498 Engineering Number: 3393 / 3395	121.8	478.2	-	-	478.2
PR 12	North Beach Entry Development (Bond 2008) Finance Number: 130499 Engineering Number: 3394	200.1	295.0	-	-	295.0
PR 13	Packery Channel Improvements, Phase 2 Parking and Overlooks Finance Number: E03400 Engineering Number: 3400	2,806.2	80.0	-	-	80.0
PR 14	Packery Channel Improvements, Phase 3 Restroom Facilities at Packery Channel Finance Number: E03399 Engineering Number: 3399	-	200.0	1,866.0	-	2,066.0
PR 15	Packery Channel Improvements, Phase 4 Ramps to Jetties Finance Number: E03401 Engineering Number: 3401	7.2	274.0	-	-	274.0
PR 16	Packery Channel Improvements, Phase 5 Pavilion Finance Number: E03402 Engineering Number: 3402	-	75.0	967.5	-	1,042.5

**PARKS AND RECREATION
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
PR 17	Packery Channel Miscellaneous Improvements Finance Number: TBD Engineering Number: TBD	-	520.0	510.0	510.0	1,540.0
	Park & Recreation Program Total:	9,373.1	12,893.3	3,868.0	725.2	17,486.5

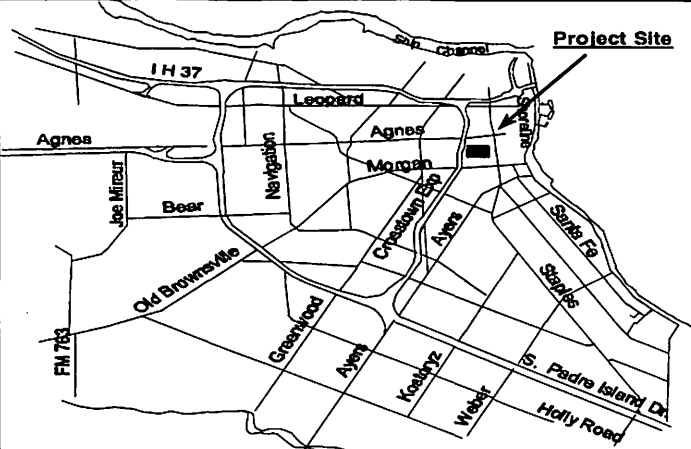
CURRENTLY AVAILABLE FUNDING:

	Texas Parks & Wildlife Grant	-	2,157.6	524.5	215.2	2,897.3
	Donations	-	45.0	-	-	45.0
	Community Development Block Grant Funds (CDBG)	45.0	190.0	-	-	190.0
	Bond Issue 2004 Park Reserves	374.8	139.7	-	-	139.7
	Bond Issue 2008 Proceeds	5,576.1	5,676.4	-	-	5,676.4
	Tax Increment Financing District	2,813.4	280.0	-	-	280.0
	Sales Tax Proceeds (4A)	-	3,300.0	-	-	3,300.0
	Community Enrichment Fund	563.8	-	-	-	-
	Commercial Paper/Revenue Bond	-	235.6	-	-	235.6

**PARKS AND RECREATION
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
	Total Currently Available:	9,373.1	12,024.3	524.5	215.2	12,764.0
RECOMMENDED ADDITIONAL FUNDING:						
	Tax Increment Finance District	-	869.0	3,343.5	510.0	4,722.5
	Total Recommended Funding:	-	869.0	3,343.5	510.0	4,722.5
	Total Funding Source:	9,373.1	12,893.3	3,868.0	725.2	17,486.5

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Parks and Recreation</u></p> <p style="text-align: right;">Sequence #01</p> <p>PROJECT TITLE: <u>South Bluff ADA Access Trail & Pavilion</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)</i></p> <p>DESCRIPTION: This project will provide ADA accessible sidewalks for the two parking lots to the restrooms, the playground area and to Tanchua Street. Also included are park benches and tables along the route of the sidewalk. Presently, visitors must travel over dirt and grass areas to gain access to the amenities in the park. A 40 x 60 foot pavilion will be constructed to provide shade for visitors and events in the park. This project will be constructed through a combination of City crews and Job Order Contracting to expedite construction and economize on costs.</p>	 <p style="text-align: right;">Project Site</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering						Capital Budget Project No: 11003 Engineering Project No: E11044 Finance Project No: 851120 A/E Consultant: N/A Contractor: In House/JOC Award Design: N/A Award Construction: TBD Anticipated Completion: TBD
Construction		110.0			110.0	
Contingency		10.0			10.0	
Inspection/Other		15.0			15.0	
TOTAL:	-	135.0	-	-	135.0	
Source of Funds						
CDBG Funds		135.0			135.0	
TOTAL:	-	135.0	-	-	135.0	

OPERATIONAL IMPACT:

There is no operational budget impact with this project, but work will increase citizen pride and visitor enjoyment.

PROJECT DESCRIPTION

DEPARTMENT: Parks and Recreation

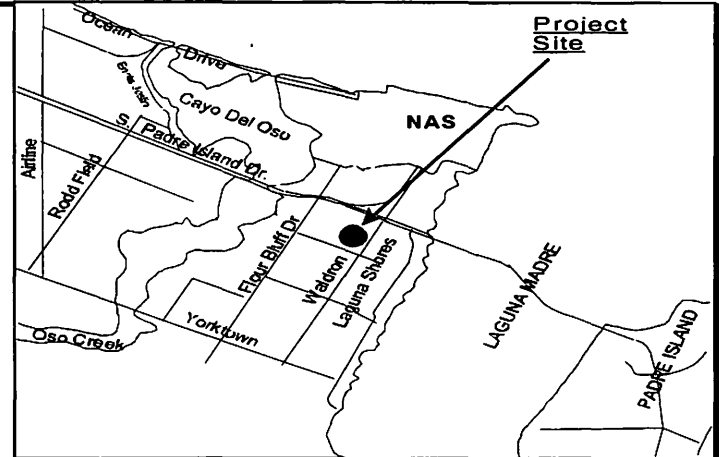
Sequence #02

PROJECT TITLE: Ethel Eyerly Senior Center

Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)

DESCRIPTION:

This project will remodel the existing restrooms in the center in increase the number of stalls in each restroom. This will provide for the restrooms to be upgraded to full ADA accessibility standards and accommodate heavy customer usage. The project is being funded by Community Development Block Grant (CDBG) proceeds and funding for this year is for complete design and partial construction only. Additional CDBG funds have been requested for the remaining construction costs and construction of the project is pending receipt of additional funding.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	45.0					Capital Budget Project No: 12001 Engineering Project No: E11126 Finance Project No: 851210 A/E Consultant: Chuck Anastos, AIA Contractor: TBD Award Design: Dec '11 Award Construction: TBD Anticipated Completion: TBD
Construction		45.0			45.0	
Contingency		5.0			5.0	
Inspection/Other		5.0			5.0	
TOTAL:	45.0	55.0	-	-	55.0	
Source of Funds						
CDBG Funds	45.0	55.0			55.0	
TOTAL:	45.0	55.0	-	-	55.0	

OPERATIONAL IMPACT:

The operational impact is negligible and work will increase the efficiency and enjoyment of the center.

PROJECT DESCRIPTION

DEPARTMENT: Parks and Recreation

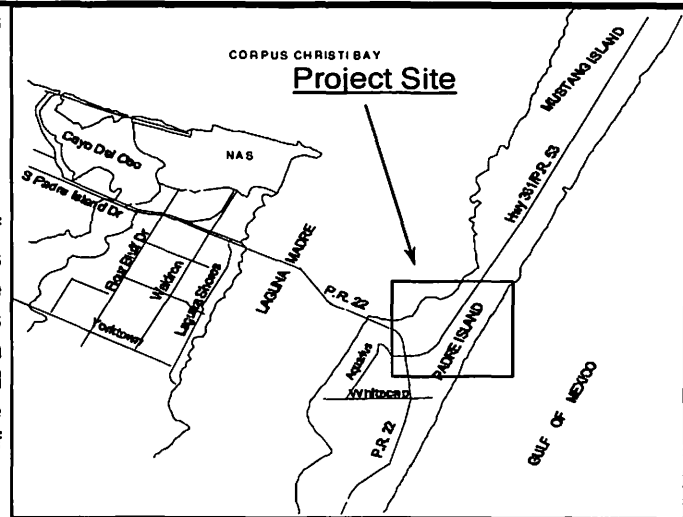
Sequence #03

PROJECT TITLE: JFK Boat Ramps Improvement Project, Phase 2

Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)

DESCRIPTION:

The Texas General Land Office owns land formally leased to two bait stands on the north side of the JFK Causeway Bridge. Their adjoining boat ramps fall under the jurisdiction of the Texas Parks and Wildlife Department (TPWD) and have recently received extensive renovations under Phase One of this project. Phase Two work will now include a new parking lot, site amenities and access improvements which were designed under Phase One. A new TPWD grant and a donation from the Saltwater/Fisheries Enhancement Association has been received to begin the work and additional donations are being solicited to enhance the project. Long-term repairs will take place through multiple phases and funding sources and will require the assistance of a number of agencies.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering						PHASE TWO WORK: Capital Budget Project No: 08001 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: URS Contractor: TBD Award Design: October '09 Award Construction: Fall '2012 Anticipated Completion: Winter 2012
Construction		575.0			575.0	
Contingency		30.0			30.0	
Inspection/Other		20.0			20.0	
TOTAL:	-	625.0	-	-	625.0	
Source of Funds						
Texas Parks & Wildlife Grant		600.0			600.0	
Donations		25.0			25.0	
TOTAL:	-	625.0	-	-	625.0	

OPERATIONAL IMPACT:

At this time there is no operational impact because this is not a City-owned facility. Future projects and agreements with the Texas General Land Office could change this arrangement. The City's residents and visitors will enjoy the improved facilities though and it will benefit the economic development of the Packery Channel area.

PROJECT DESCRIPTION

DEPARTMENT: Parks and Recreation

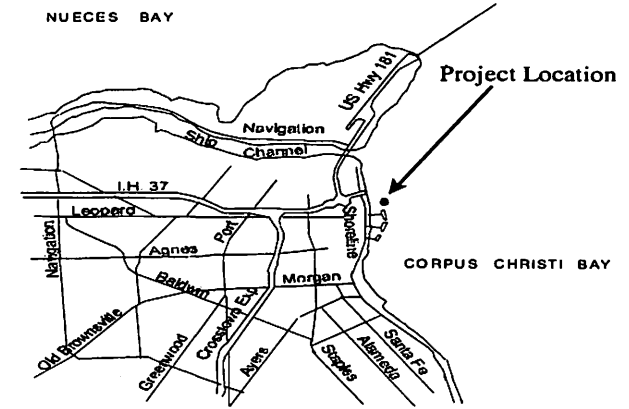
Sequence #04

PROJECT TITLE: Sunfish Island Nourishment and Breakwater

Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)

DESCRIPTION:

This proposed project involves the construction of a 300-ft breakwater between the two segmented breakwaters to close the existing gap which will reduce wave height at the seawall during storms. The project would also increase the size of Sunfish Island through dredge placement of material to enhance the existing land and constructing an additional 700-ft breakwater. **This project is pending funding approval by the City Council and will require close coordination with the City's Type A Board and the City Council.**



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering		250.0			250.0	Capital Budget Project No: 10003
Construction		2,500.0			2,500.0	Engineering Project No: TBD
Contingency		250.0			250.0	Finance Project No: TBD
Inspection/Other		300.0			300.0	A/E Consultant: TBD
TOTAL:	-	3,300.0	-	-	3,300.0	Contractor: TBD
Source of Funds						Award Design: TBD
Sales Tax Proceeds (4A)		3,300.0			3,300.0	Award Construction: TBD
TOTAL:	-	3,300.0	-	-	3,300.0	Anticipated Completion: TBD

OPERATIONAL IMPACT:

There is no projected operational budget impact with this project.

PROJECT DESCRIPTION

DEPARTMENT: Parks and Recreation

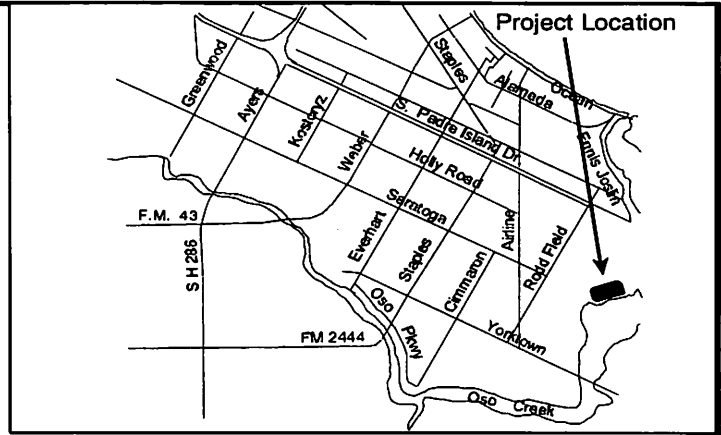
Sequence #05

PROJECT TITLE: Oso Creek/Oso Bay Area Park Development (Bond 2008)

Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)

DESCRIPTION:

This project will construct a City Interpretive/Conservation Nature Park along the Oso Creek/Oso Bay area to include an interpretive conservation center, parking lots, trails with signage, wetland development, viewing areas, information kiosks, camp grounds, restrooms and other amenities. It will also be entirely a "Green Development" and a site for a Birding Trail. This project is being supplemented by grants from Texas Parks & Wildlife, General Land Office and other state agencies. Phase 1 construction, which is anticipated to be complete prior to the end of the year, includes a Birding Trail and Boardwalk.




FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Land Acquisition	571.3					
Design & Engineering	955.9	100.0			100.0	Capital Budget Project No: 10004
Construction		3,289.2			3,289.2	Engineering Project No: 3380
Contingency		165.6	218.5	109.2	493.3	Finance Project No: 130280
Inspection/Other	53.5	106.0	306.0	106.0	518.0	Grant Project No: Various
TOTAL:	1,580.7	3,660.8	524.5	215.2	4,400.5	
Source of Funds						
Community Enrichment Fund	563.8					A/E Consultant: RVI
Bond Issue 2008 Proceeds	1,016.9	1,733.1			1,733.1	Contractor (Ph 1): TBD
Grants		1,557.6	524.5	215.2	2,297.3	Contractor (Ph 2): TBD
Donations		20.0			20.0	Award Design: January '11
Bond Issue 2004 Proceeds		114.5			114.5	Award Construction (Ph 1): June '12
Storm Water		106.2			106.2	Award Construction (Ph 2): January '13
Water		57.5			57.5	Anticipated Completion (Ph 1): Dec '12
Wastewater		71.9			71.9	Anticipated Completion (Ph 2): Dec '14
TOTAL:	1,580.7	3,660.8	524.5	215.2	4,400.5	

OPERATIONAL IMPACT:

A project of this scale will require a significant expenditure of operational resources to effectively manage and protect the City's investment in a property of this caliber. Upon final completion, currently estimated at early fiscal year 2014, the yearly operational impact is projected to be \$350,000 per year to cover an additional six (6) FTE's and assorted park maintenance supplies. This will be off-set by revenues collected through the campground and other amenities.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Parks and Recreation</u></p> <p style="text-align: right;">Sequence #06</p> <p>PROJECT TITLE: <u>Hike and Bike Trails - City Wide (Bond 2008)</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)</i></p> <p>DESCRIPTION: The proposed hike and bike trails will follow alongside drainage easements, existing parkways, and Oso Creek. 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. The City will be applying for matching Texas Park & Wildlife Grants to supplement funding for this project. Current work includes the design and construction of a 10 foot wide concrete hike and bike trail beginning at the Cedar Ridge Park (adjacent to Yorktown Blvd.) on the South and Southeast side of the Schanen Drainage Ditch. The trail will continue across Cedar Pass Drive, follow Grand Junction Drive, cross Wapentate Drive and if funding allows,</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Land Acquisition		18.2			18.2	Capital Budget Project No: 10005 Engineering Project No: 3381 Finance Project No: 130291 A/E Consultant: JEC Architects Contractor: TBD Award Design: March '11 Begin Construction: August '12 Anticipated Completion: November '12
Design & Engineering	49.1					
Construction		350.0			350.0	
Contingency		30.0			30.0	
Inspection/Other	30.7	22.0			22.0	
TOTAL:	79.8	420.2	-	-	420.2	
Source of Funds						
Bond Issue 2008 Proceeds	79.8	420.2			420.2	
TOTAL:	79.8	420.2	-	-	420.2	

OPERATIONAL IMPACT:

It is hard to determine an operational impact at this time due to the final scope of the project is dependent upon the receipt of any grants.

PROJECT DESCRIPTION

DEPARTMENT: Parks and Recreation

Sequence #07

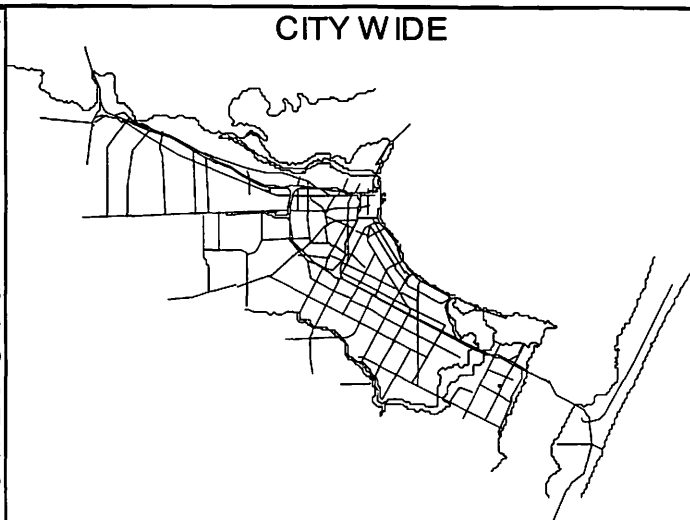
CITY WIDE

PROJECT TITLE: Sports Field Lighting & Other Improvements - City Wide (Bond 2008)

Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)

DESCRIPTION:

Funding will provide necessary lighting improvements to youth sports fields throughout the City. The existing lighting will be replaced with energy efficient lighting for youth leagues. Some parks do not need lighting but would benefit with other improvements to their facilities. These improvements will enhance safety and appearance of the fields for the participants and visitors to enjoy. Work other than lighting has included: improvements to Westside Little League Concession Stand; Little Miss Kickball Parking Lot; Padre Youth Football; Bill Witt Park New Restrooms and Soccer Field; Padre Soccer League Goals; South Guth Park Scoreboard; Botsford Park Scoreboard; Evelyn Price Park Parking Lot, Bleacher Pad, and Sidewalks; and improvements to the International Westside Baseball League Field.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Equipment Purchase	25.7	100.0			100.0	Capital Budget Project No: 10006 Engineering Project No: 3382 Finance Project No: 130076 A/E Consultant: Various / In House Contractor: Musco / In-House / TBD
Design & Engineering	36.2					
Construction	1,374.2	1,100.0			1,100.0	
Contingency		85.0			85.0	
Inspection/Other	190.7	88.2			88.2	
TOTAL:	1,626.8	1,373.2	-	-	1,373.2	
Source of Funds						Award Design: On-Going
Bond Issue 2008 Proceeds	1,626.8	1,373.2			1,373.2	Begin Construction: On-Going
TOTAL:	1,626.8	1,373.2	-	-	1,373.2	Anticipated Completion: On-Going

OPERATIONAL IMPACT:

There is no operational impact for the City with this project because the costs for lighting youth sports fields are borne by the leagues who lease the fields. It is anticipated that costs for lighting will go down though due to the energy efficiency measures.

PROJECT DESCRIPTION

DEPARTMENT: Parks and Recreation

Sequence #08

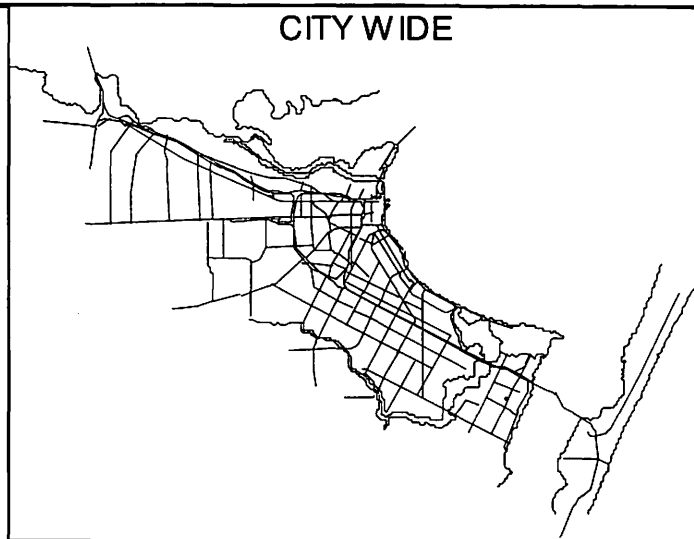
CITY WIDE

PROJECT TITLE: Neighborhood Park Playground & Park Improvements (Bond 2008)

Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)

DESCRIPTION:

This project will provide \$750,000 for 15 neighborhood parks located throughout the City for approximately \$50,000 apiece. Improvements could include landscaping and play area with swings, slides, and other equipment. This project also includes trails leading to the playground area to provide safe accessibility. The play area enclosures will be filled with mulch for the play surface. Benches and tables will also be installed, as well as other needed amenities to enhance park appearance and use. The proposed parks include: Lawson Park, Woodlawn Park, Solar Estates Park, Bellaire Park, Carroll Lane Park, Lindale Park, John Jones Park, Lincoln Park, Molina Veterans Park, Claremont Park, Lamar Park, Turtle Cove Park, Sands Park, Country Club Park, and Airline Park. Improvements will continue take place to the extent funding allows. City staff will order and install the equipment to save on expenses and build more amenities.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Equipment Purchase	166.7					Capital Budget Project No: 10007 Engineering Project No: 3383 Finance Project No: 130252 A/E Consultant: Various / In House Contractor: In-House Award Design: In-House Begin Construction: FY 2011 Anticipated Completion: FY 2013
Design & Engineering	36.6					
Construction	198.9	300.0			300.0	
Contingency		30.0			30.0	
Inspection/Other	4.6	13.2			13.2	
TOTAL:	406.8	343.2	-	-	343.2	
Source of Funds						
Bond Issue 2008 Proceeds	406.8	343.2			343.2	
TOTAL:	406.8	343.2	-	-	343.2	

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 the fifteen (15) parks and their new improvements on a yearly basis.

PROJECT DESCRIPTION

DEPARTMENT: Parks and Recreation

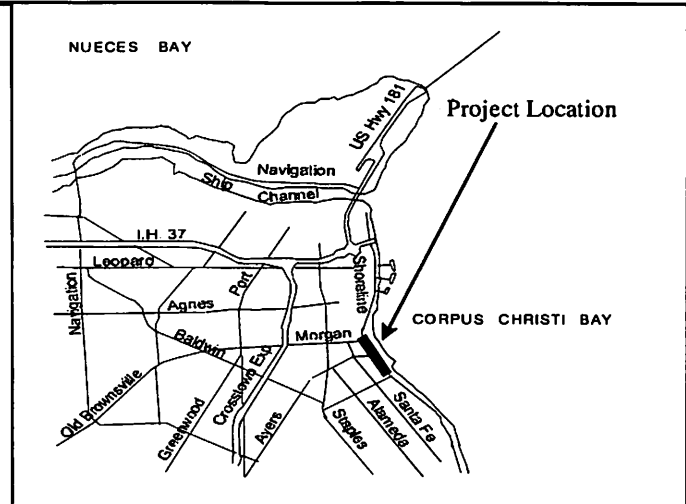
Sequence #09

PROJECT TITLE: Cole Park Renovations/Improvements (Bond 2008)

Consistency with the Comprehensive Plan: Policy Statement pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)

DESCRIPTION:

In Bond Issue 2008, voters approved \$2,500,000 dollars to renovate and make improvements to Cole Park. This project will provide improvements, renovations and new construction consistent with the Cole Park Master Plan. Planned work includes: General irrigation system for the entire Park, Park Fishing Pier restorations/lighting, New Kids Place Playground equipment, New Parking Lot and repairs to existing parking areas, a +/- 500 square foot Maintenance/Storage Addition to the Amphitheater, Renovations to the Amphitheater Building, Kids Place area sidewalk repairs, Accessible Sidewalk/Ramps from Kids Place Parking to "The Gardens" Landscaped area, Restoration of Skate park and Sidewalks as well as Park Signage and General Landscaping for entire Park. Additional work will include renovation of the shoreline from the existing concrete bulkhead seawall to the hike and bike trail, with landscaping adjacent to the trail.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Equipment	328.5					Capital Budget Project No: 10008 Engineering Project No: 3384 Finance Project Nos: 130054 & E11027 Landscape Consultant: Gignac A/E Consultant: JEC Arch. Contractor: Safe Net, LLC Award Design (Landscape): October '09 Award A/E Design: January '10 Award Construction: May '10 Anticipated Completion: December '12
Design & Engineering	382.5					
Construction	1,561.1					
Contingency		425.2			425.2	
Inspection/Other	139.8	62.9			62.9	
TOTAL:	2,411.9	488.1	-	-	488.1	
Source of Funds						
Bond Issue 2008 Proceeds	2,037.1	462.9			462.9	
Bond Issue 2004 Proceeds	374.8	25.2			25.2	
TOTAL:	2,411.9	488.1	-	-	488.1	

OPERATIONAL IMPACT:

Cole Park is the City's signature park and a project of this magnitude and scope will enhance the City's pride and economic development potential. This project will require a .5 FTE park irrigation/operation tech to maintain the irrigation system and turf management as well as 1,040 hours of seasonal temporary help to maintain the City's investment in this park as a first class facility and tourist draw. The cost is estimated to be \$65,000 on a yearly basis with a one time capital purchase of \$42,000 for capital equipment.

PROJECT DESCRIPTION

DEPARTMENT: Parks and Recreation

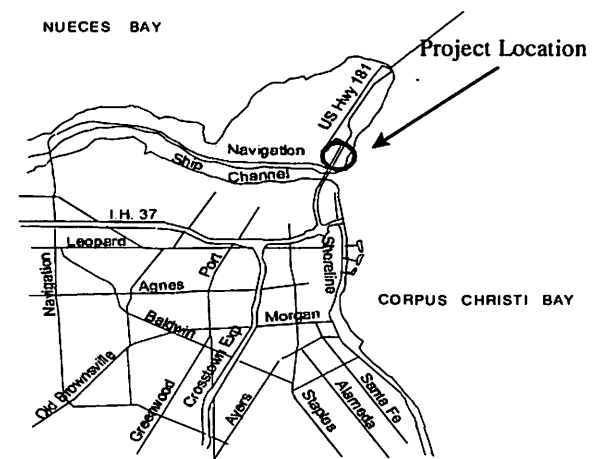
Sequence #10

PROJECT TITLE: CC Beach New Bathhouse - Front of Lexington (Bond 2008)

Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)

DESCRIPTION:

This project will include an ADA accessible multiple toilet restroom facility for Corpus Christi Beach with separate men's and women's toilet rooms and outdoor shower(s) attached to one exterior wall. The facility will be designed using materials suitable for the difficult conditions present at the site, similar to those materials used in the new restroom facility erected on Corpus Christi Beach during the Bond 2004 Program. Colors will be designed to match adjacent facilities. The project originally bid in November 2010 and bids received were too high and rejected. The project is currently being redesigned as an elevated wood structure to meet Flood Zone Compatibility requirements.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	49.8					Capital Budget Project No: 10015 Engineering Project No: 3392 Finance Project No: 130131 A/E Consultant: Anastos & Associates Contractor: TBD Award Design: March '09 Award Construction: TBD Anticipated Completion: TBD
Construction		482.6			482.6	
Contingency		48.0			48.0	
Inspection/Other	37.0	40.0			40.0	
TOTAL:	86.8	570.6	-	-	570.6	
Source of Funds						
Bond Issue 2008 Proceeds	86.8	570.6			570.6	
TOTAL:	86.8	570.6	-	-	570.6	

OPERATIONAL IMPACT:

This operational budget impact of this project is estimated at \$48,900 per year for a 1.5 FTE and minor maintenance and cleaning supplies.

PROJECT DESCRIPTION

DEPARTMENT: Parks and Recreation

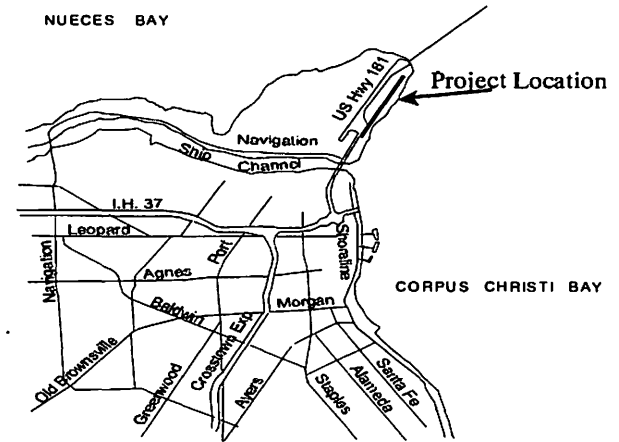
Sequence #11

PROJECT TITLE: Extend Promenade Northward North Beach (Bond 2008)

Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)

DESCRIPTION:

This project is a continuation of the promenade boardwalk built with funding provided by the 2004 Bond Election. This phase of the project proposes for the Promenade to swing out and run along the vegetation line farther toward the water. This will complete the beach promenade to the north end of the beach. Additional work will include benches installed for comfortable sitting and viewing.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures March 2012	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	98.7					Capital Budget Project No: 10016 Engineering Project No: 3393 Finance Project No: 130498 A/E Consultant: John Wright, A.I.A Contractor: H2O Const. Award Design: October '09 Award Construction: April '12 Anticipated Completion: September '12
Construction		403.3			403.3	
Contingency		40.0			40.0	
Inspection/Other	23.1	34.9			34.9	
TOTAL:	121.8	478.2	-	-	478.2	
Source of Funds						
Bond Issue 2008 Proceeds	121.8	378.2			378.2	
Texas Park Wildlife Grant		100.0			100.0	
TOTAL:	121.8	478.2	-	-	478.2	

OPERATIONAL IMPACT:

There are no projected operational budget expenditures associated with this this project, but it will be a tourist attraction and could result in increased economic benefits for the City.

PROJECT DESCRIPTION

DEPARTMENT: Parks and Recreation

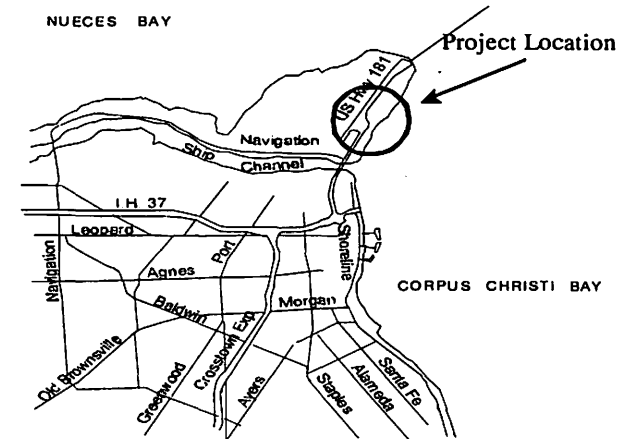
Sequence #12

PROJECT TITLE: North Beach Entry Development (Bond 2008)

Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)

DESCRIPTION:

A landscaped entrance to North Beach is being constructed in the grassy area at Timon and Beach Avenue to welcome people to the area. This entrance will have drought-tolerant landscaping, provide visitor information, signage, beach use rules and historical facts. This project is currently under construction. The construction of the archway at the new location has been redesigned and will be rebid pending availability of funding.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	26.1					Capital Budget Project No: 10017 Engineering Project No: 3394/3395 Finance Project No: 130499 A/E Consultant: John Wright, A.I.A Contractor Ph 1: Blue Bay Construction Contractor Ph 2: TBD Award Design: October '09 Award Construction Ph 1: November '10 Anticipated Completion Ph 1: September '12
Construction	144.7	250.0			250.0	
Contingency		25.0			25.0	
Inspection/Other	29.3	20.0			20.0	
TOTAL:	200.1	295.0	-	-	295.0	
Source of Funds						
Bond Issue 2008 Proceeds	200.1	295.0			295.0	
TOTAL:	200.1	295.0	-	-	295.0	

OPERATIONAL IMPACT:

This project will greatly improve the entrance to the north beach area, welcoming tourists and residents alike. The operational budget impact of this project is negligible due to drought-tolerant landscaping but will encourage and direct visitors to the area and be a source of pride to the local residents.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Parks and Recreation</u></p> <p style="text-align: right;">Sequence #13</p> <p>PROJECT TITLE: <u>Packery Channel Improvements, Phase 2 Parking & Overlooks</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)</i></p> <p>DESCRIPTION: This project provided for construction of improvements on the north and south side of Packery Channel. North side improvements include seven outlooks, new road to lookouts from existing boat ramp, new parking areas (204 - eight-foot wide and 24 - eleven-foot wide handicap parking spaces), required fill under the parking areas and slope protection, and a twenty-foot wide walkway along the length of the north side. South side improvements include a ten-foot walkway along the length of the channel. This project has been completed and additional funds are to provide for area lighting through a contract with AEP.</p>	
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FUNDING SCHEDULE (Amounts in 000's)						
Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	91.5					Capital Budget Project No: 09001
Construction	2,617.5	65.0			65.0	Engineering Project No: 3400
Contingency		5.0			5.0	Finance Project No: E03400
Inspection/Other	97.2	10.0			10.0	A/E Consultant: Freese & Nichols
TOTAL:	2,806.2	80.0	-	-	80.0	Contractor: SafeNet
Source of Funds						
Tax Increment Finance District	2,806.2	80.0			80.0	Award Design: February '09
TOTAL:	2,806.2	80.0	-	-	80.0	Award Construction: December '10
						Anticipated Completion: Fall '12

OPERATIONAL IMPACT:
 This series of projects at Packery Channel (Phases 1 - 6) will be constructed over multiple years as funding becomes available. Additional operational costs will be incurred as the projects progress including additional staffing for care of the area, electrical usage for lights and HVAC units and a street sweeper to clean parking lots at Packery and Windward. It is anticipated there will be an operational budget reduction for fuel usage and travel time because all future personnel and equipment will be located on site.

PROJECT DESCRIPTION

DEPARTMENT: Parks and Recreation

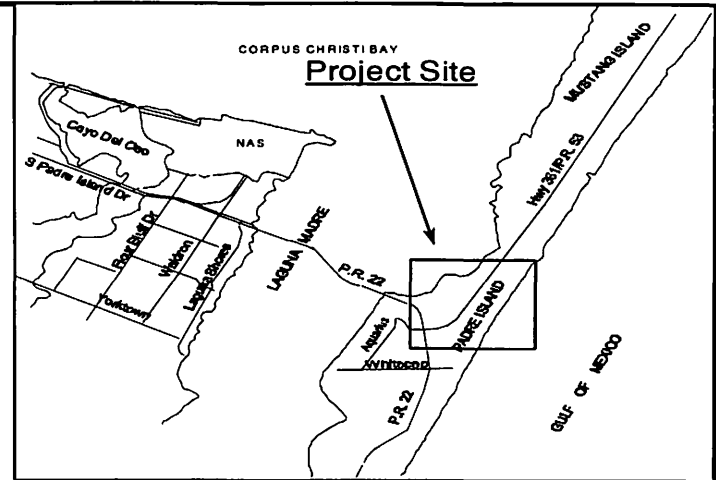
Sequence #14

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

Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)

DESCRIPTION:

This project includes construction of a restroom on the north side of Packery Channel having 3 toilet fixtures in the men's and women's restrooms, adjacent parking lot with 34 regular 8 foot wide parking spaces and 4 eleven foot wide handicap parking spaces. The project also includes turn around and road connector to Zahn Road, and a 6 inch sanitary gravity sewer line from the restroom to a lift station on Zahn Road. A similar size restroom on the south side, with a lift station near the restroom complete with a 1.5 HP grinder pump and 2-inch force main (approximately 2,500 feet) will also be a part of the project. Design of this project will start in later summer, after the completion of Phase 2.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering		190.0			190.0	Capital Budget Project No: 09003 Engineering Project No: 3399 Finance Project No: E03399 A/E Consultant: Anastos & Assoc. Contractor: TBD Award Design: August '12 Award Construction: TBD Anticipated Completion: TBD
Construction			1,530.0		1,530.0	
Contingency			150.0		150.0	
Inspection/Other		10.0	186.0		196.0	
TOTAL:		200.0	1,866.0	-	2,066.0	
Source of Funds						
Tax Increment Finance District		200.0	1,866.0		2,066.0	
TOTAL:		200.0	1,866.0	-	2,066.0	

OPERATIONAL IMPACT:

This series of projects at Packery Channel (Phases 1 - 6) will be constructed over multiple years as funding becomes available. Additional operational costs will be incurred as the projects progress including additional staffing for care of the area, electrical usage for lights and HVAC units and a street sweeper to clean parking lots at Packery and Windward. It is anticipated there will be an operational budget reduction for fuel usage and travel time because all future personnel and equipment will be located on site.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Parks and Recreation</u> Sequence #15</p> <p>PROJECT TITLE: <u>Packery Channel Improvements, Phase 4 Ramps to Jetties</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)</i></p> <p>DESCRIPTION: This project will include the stairs and ADA ramp on the north side and the south side of Packery Channel to provide access from the beach to the restrooms, lookouts and parking lots. This project was designed as part of the Phase 2 project for parking and overlooks.</p>	
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering						Capital Budget Project No: 09004 Engineering Project No: 3401 Finance Project No: E03401 A/E Consultant: Freese & Nichols Contractor: TBD Award Design: February '09 Award Construction: TBD Anticipated Completion: TBD
Construction		225.0			225.0	
Contingency		24.0			24.0	
Inspection/Other	7.2	25.0			25.0	
TOTAL:	7.2	274.0	-	-	274.0	
Source of Funds						
Tax Increment Finance District	7.2	274.0			274.0	
TOTAL:	7.2	274.0	-	-	274.0	

OPERATIONAL IMPACT:
 This series of projects at Packery Channel (Phases 1 - 6) will be constructed over multiple years as funding becomes available. Additional operational costs will be incurred as the projects progress including additional staffing for care of the area, electrical usage for lights and HVAC units and a street sweeper to clean parking lots at Packery and Windward. It is anticipated there will be an operational budget reduction for fuel usage and travel time because all future personnel and equipment will be located on site.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Parks and Recreation</u> Sequence #16</p> <p>PROJECT TITLE: <u>Packery Channel Improvements, Phase 5 Pavilion</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)</i></p> <p>DESCRIPTION: This project includes the pavilion expansion on the north side restroom. This will increase the deck area around the restroom and provide some sitting areas for visitors. Design will begin in FY 2013 and construction will follow in FY 2014 dependent upon available funding.</p>	
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering		70.0			70.0	Capital Budget Project No: 09005 Engineering Project No: 3402 Finance Project No: E03402 A/E Consultant: Anastos & Assoc. Contractor: TBD Award Design: TBD Award Construction: TBD Anticipated Completion: TBD
Construction			775.0		775.0	
Contingency			80.0		80.0	
Inspection/Other		5.0	112.5		117.5	
TOTAL:		75.0	967.5	-	1,042.5	
Source of Funds						
Tax Increment Finance District		75.0	967.5		1,042.5	
TOTAL:		75.0	967.5	-	1,042.5	

OPERATIONAL IMPACT:

This series of projects at Packery Channel (Phases 1 - 6) will be constructed over multiple years as funding becomes available. Additional operational costs will be incurred as the projects progress including additional staffing for care of the area, electrical usage for lights and HVAC units and a street sweeper to clean parking lots at Packery and Windward. It is anticipated there will be an operational budget reduction for fuel usage and travel time because all future personnel and equipment will be located on site.

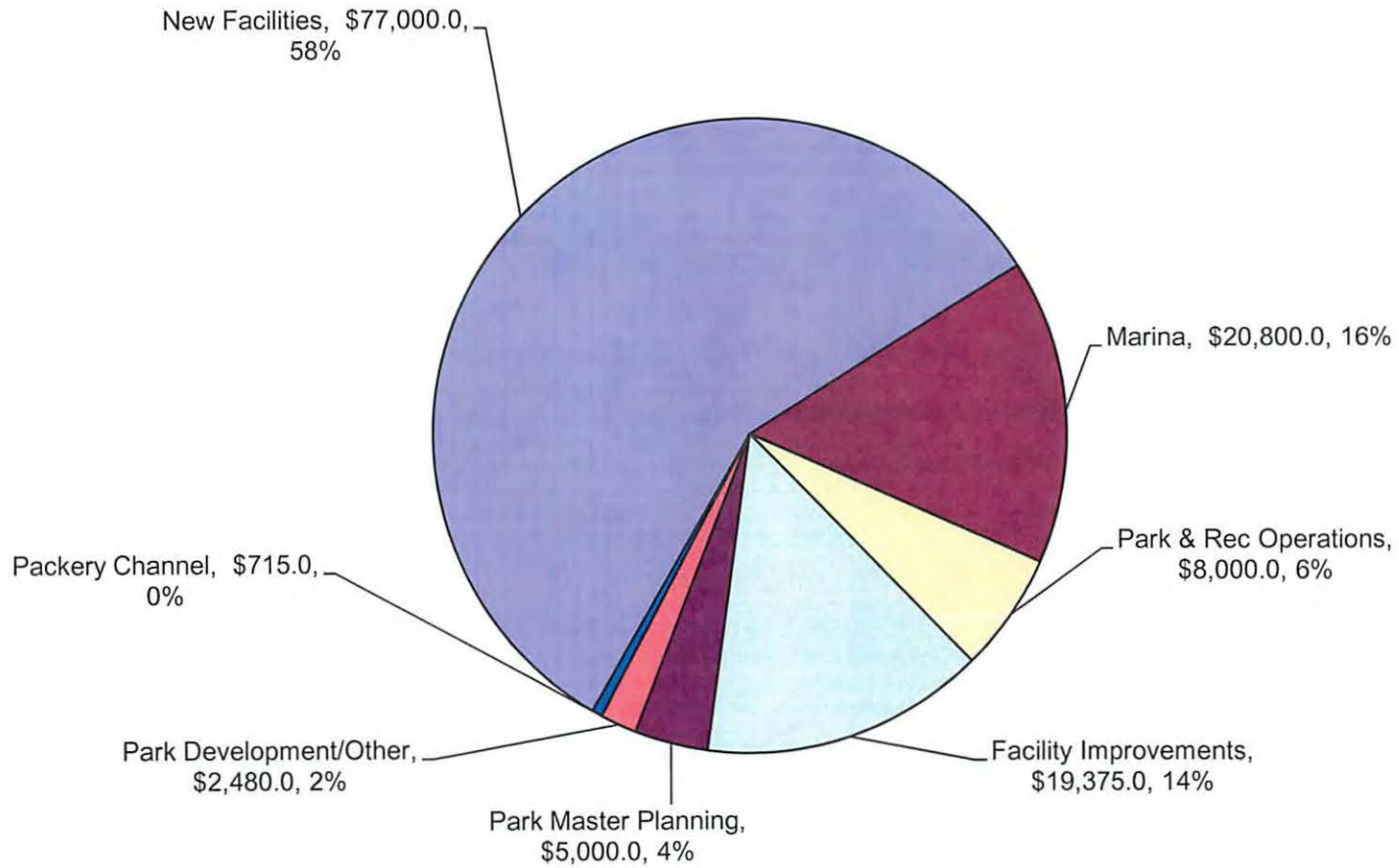
PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Parks and Recreation</u> Sequence #17</p> <p>PROJECT TITLE: <u>Packery Channel Miscellaneous Improvements</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pp. 48-50; Parks, Recreation and Open Space Master Plan (2012)</i></p> <p>DESCRIPTION: This project includes funds for yearly identified projects to support Packery Channel exclusive of the previously identified capital projects Phases 2 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.</p>	
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FUNDING SCHEDULE (Amounts in 000's)						
Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering		40.0	30.0	30.0	100.0	Capital Budget Project No: 12001
Construction		400.0	400.0	400.0	1,200.0	Engineering Project No: TBD
Contingency		40.0	40.0	40.0	120.0	Finance Project No: TBD
Inspection/Other		40.0	40.0	40.0	120.0	A/E Consultant: TBD
TOTAL:		520.0	510.0	510.0	1,540.0	Contractor: TBD
Source of Funds						Award Design: On-Going
Tax Increment Finance District		520.0	510.0	510.0	1,540.0	Award Construction: On-Going
TOTAL:		520.0	510.0	510.0	1,540.0	Anticipated Completion: On-Going

OPERATIONAL IMPACT:
 These projects will support the use of Packery Channel (Phases 1 - 6) will be constructed over multiple years as funding becomes available. Additional operational costs will be incurred as the projects progress including additional staffing for care of the area, electrical usage for lights and HVAC units and a street sweeper to clean parking lots at Packery and Windward. It is anticipated there will be an operational budget reduction for fuel usage and travel time because all future personnel and equipment will be located on site.

**Parks and Recreation
Long-Range CIP: \$133,370.0
(Amounts in 000's)**



**PARKS AND RECREATION
LONG-RANGE CIP**

NEW FACILITIES

- | | | |
|---|--|---------------------|
| 1 | <u>Special Events Area / Park</u> | <u>\$57,000,000</u> |
| | <p>A Special Event Area / Park is recommended along the Bayfront in the City's Parks, Recreation & Open Space Master Plan. The Special Events Area(s) would be planned and designed to accommodate a wide range of events. Facilities and infrastructure would be designed to provide multi-purpose seating, food and beverage concession facilities, staging, restrooms, parking, etc. In addition to recurring public/City events and festivals, it is envisioned that many, varying groups in the City would host numerous public and private events at the site.</p> | |
| 2 | <u>Large Community Complex</u> | <u>\$20,000,000</u> |
| | <p>This project will develop one large multi-functional, state of the art recreation center for all ages and abilities. Included in the complex could be a 4 court gym, pool, weight/ fitness center, indoor track, multi purpose rooms, social hall, game room, meeting room, kitchen facilities, covered outside basketball court with bleachers, athletic fields, tennis, community rental, playground/ park amenities all with ADA access.</p> | |

GOLF CENTERS

- | | | |
|---|---|------------|
| 3 | <u>Oso Golf Course</u> | <u>TBD</u> |
| | <p>This project will consist of repaving the parking lot and drive, replacement of existing club house, replacement of bridges on the course and shoreline protection on all the ponds.</p> | |
| 4 | <u>Gabe Lozano Golf Course</u> | <u>TBD</u> |
| | <p>This project will consist of replacement of existing club house, renovations to the driving range, repairs to cart paths and irrigation for the existing nine hole executive course.</p> | |

MARINA

- | | | |
|---|--|--------------------|
| 5 | <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> | |

**PARKS AND RECREATION
LONG-RANGE CIP**

MARINA (cont'd)

6	<u>New Buoy Floating Moorings in North Basin just north of Peoples Street T-Head for Mooring Boats</u>	<u>\$150,000</u>
	This project would include the funding to design and construct floating moorings for permanent and transient boat area.	
7	<u>Marina Dredging</u>	<u>\$4,000,000</u>
	Funding is recommended for maintenance dredging operations within the Marina basins and fairways.	
8	<u>Marina Site Improvements</u>	<u>\$850,000</u>
	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.	
9	<u>Breakwater Renovation/Reconstruction</u>	<u>\$2,000,000</u>
	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.	
10	<u>Pier/Dock/Piling Replacement</u>	<u>\$2,500,000</u>
	Replacement of the "R"-Pier on the Coopers Alley L-Head including applicable infrastructure needs to be completed and is recommended under this project. The wooden pilings on the docks of Lawrence St. T-Head require replacement.	
11	<u>Boating Educational Center / Regatta World Championship Procurement Office</u>	<u>\$650,000</u>
	This project would construct a procurement office for the World Boating Championships / Kids / Adult Marine / Sailing Center.	
12	<u>Boat Haul-Out Center Renovation and Expansion</u>	<u>\$4,850,000</u>
	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.	
13	<u>Marina Asphalt, Repair, Renovation and Security / Gate / Lighting System</u>	<u>\$1,900,000</u>
	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.	

**PARKS AND RECREATION
LONG-RANGE CIP**

MARINA (cont'd)

- | | | |
|----|---|-----|
| 14 | <u>McGee Beach Exterior and Jerry Lights Bath House and Concession Stand</u> | TBD |
| | Funding would be used to renovate the concession stand to a tourist-friendly environment, remodel the restrooms to meet current codes and specifications, and include the installation of lighting along the jetty. | |

PARKS AND RECREATION OPERATION FACILITIES

- | | | |
|----|--|-------------|
| 15 | <u>Park Operations - Main Maintenance Facility, Building Addition, 5352 Ayers</u> | \$500,000 |
| | This project would include a 40-foot addition to the current building to provide a larger storage area for equipment and supplies, improvements to the roof, plumbing and HVAC systems, parking lot and fenced areas to secure vehicles and equipment. | |
| 16 | <u>South Maintenance Facility [PR.01029]</u> | \$3,750,000 |
| | The Parks & Recreation Department needs a permanent location and building to house Recreation Department supplies. The facility would consist of a 40' X 60' structure with office, warehouse, loading dock, restroom and be ADA accessible throughout. Possible location: Bill Witt Park | |
| 17 | <u>Park Operations - Tourist District 1 Maintenance Facility Relocation/Replacement (1 facility)</u> | \$3,750,000 |
| | The Arts and Sciences Park Grounds Maintenance Operations Facility is to be relocated and replaced with a new facility as a result of the construction of the new Arena and expansion of the Convention Center. This project would include support offices, maintenance buildings, storage and fenced in equipment yard to provide the landscape services for the Shoreline and Bayfront Parks and properties. | |

**PARKS AND RECREATION
LONG-RANGE CIP**

FACILITY IMPROVEMENTS

- 18 ADA and Chlorination System Improvements to Aquatic Facilities \$16,875,000
City neighborhood swimming pools are in need of renovation to create aquatic facilities that are in compliance with ADA regulations. This project will include bathhouses, water attractions, spray elements, shade structures, picnic tables, renovated parking lots and chlorination system upgrades.
- 19 Tennis Center Improvements \$2,000,000
This project will allow for improvement to the quality of existing amenities at the City's tennis centers extending the useful life of the assets. The Parks, Recreation and Open Space Master Plan to be approved in the Summer 2012 recommends reinvestment in current facilities to bring them up to current operational standards and extend their use. HEB Tennis: Repairs and Improvements will include upgrades to the Stadium structure as well as court resurfacing and lighting improvements. Al Kruse Tennis repairs and improvements will include: Repairs to the pro shop, resurfacing, rollers and nets on all courts.

FACILITY IMPROVEMENTS (Cont'd)

- 20 Steam Boat House Restoration TBD
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
- 21 Natatorium TBD
The interlocal agreement regarding the construction and operation of the Natatorium and Corpus Christi Gym with the Corpus Christi Independent School District and the City of Corpus Christi requires the City to pay 33% of all upgrades and repairs to the facility. As this facility ages repairs to the deck, pump system, pool shell and building structure are upon us.
- 22 Cole Park Fishing Pier \$500,000
This project will further enhance and improve the public fishing pier at Cole Park. Work will reinforce concrete, replace wood railing system with more hardy material, repair lighting system and upgrade accessibility. There is some concrete spalling on the column and walls. Hand rails are in need of major repair due to the corrosion of mounting bolts and anchors. This project will also provide erosion control to the area.

**PARKS AND RECREATION
LONG-RANGE CIP**

COMMUNITY PARKS IMPROVEMENTS

- | | | |
|----|---|-------------|
| 23 | <u>Bayfront Parks and Shoreline Median Improvements</u> | TBD |
| | The scope of this project is to improve irrigation systems, landscaping and shade structures, as well as shoreline stabilization and seawall improvements in the Bayfront Parks and Shoreline Medians. | |
| 24 | <u>Community Park Development and Improvements</u> | \$5,000,000 |
| | PROJECT DESCRIPTION:
This project will primarily focus on irrigation upgrades and extensions at Cole Park, West Guth, Bill Witt/Oso Creek, HP Garcia/Salinas, Billish, and Parker Parks (six of the seven community parks designated in the 2012 Parks, Recreation and Open Space Master Plan to be approved in Summer 2012) as well as, downtown squares La Retama and Artesian Parks. Other improvements in these parks will include specialty use amenities (such as dog parks, skate parks and splash pads), shade structures, landscaping, trails, parking improvements and other items designated in for community parks in the master plan. | |

NEIGHBORHOOD PARK DEVELOPMENT/ OTHER PARK IMPROVEMENTS

- | | | |
|----|---|-------------|
| 25 | <u>Buddy Lawrence House Improvements</u> | \$95,000 |
| | The newest addition to Heritage Park needs paved parking, sidewalks, lighting, fencing, landscaping and irrigation and other improvements to provide a level of development comparable to that of other historic homes in the park. | |
| 26 | <u>Lakeview Park Renovations and Improvements</u> | \$135,000 |
| | This project requires construction of a water level maintenance system for the signature featured pond and installation of a new trail system for the park to address erosion issues. | |
| 27 | <u>Hike and Bike Trails</u> | \$1,500,000 |
| | PROJECT DESCRIPTION:
This project will focus on the design and construction of hike and bike trails and 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 and other trail priorities listed in the Parks, Recreation and Open Space and the Community Hike and Bike Trail Master Plans. This project will bring continuity to a currently disjointed and segmented trail system. Funds may also serve as the cash match for any grant funds identified for increasing the number of hike and bike trails throughout Corpus Christi. | |

**PARKS AND RECREATION
LONG-RANGE CIP**

- | | | |
|----|--|------------------|
| 28 | <u>Corpus Christi Beach Shoreline Protection and Restoration</u> | <u>\$400,000</u> |
| | <p>The Corpus Christi North Groin Structure was constructed by the U.S. Army Corps of Engineers in 1985. The shoreline northwest of the structure has experienced considerable erosion over the years. The scope of this project is to design, permit and construct additional shoreline erosion protection, lighting, restore shoreline and provide habitat improvements and wildlife viewing facilities.</p> | |
| 29 | <u>Old Bayview Cemetery: Improvements, Site Plan, Development</u> | <u>\$350,000</u> |
| | <p>Monument Conservation Collaborative LLC prepared the conservation master plan for Old Bayview Cemetery. The plan yielded cost estimates for the conservation and restoration of existing monuments in the cemetery. This funding would provide Professional Services for creation of a formal site master plan. The scope of work would include, but not be limited to, plans for sitting a "centerpiece" recognition monument, landscaping, turf and irrigation improvements, walkways, architectural and security lighting, other site amenities and a security system.</p> | |

PACKERY CHANNEL IMPROVEMENTS

- | | | |
|----|---|------------------|
| 30 | <u>Packery Channel Improvements Phase 6 Administration and Maintenance Building</u> | <u>\$715,000</u> |
| | <p>This project includes a 30' x 60' maintenance building, a 20' x 20' administration building and a 100' x 1000' parking lot near the entrance to the Packery Channel Lookout Areas just south of Zahn Road.</p> | |

TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS: \$ 133,370,000

OTHER LONG RANGE PROJECTS IDENTIFIED:

- 1 City-Wide Hike and Bike Trails, Phase 2
- 2 Neighborhood Parks, Phase 2

Public Facilities



CORPUS CHRISTI PUBLIC FACILITIES PROGRAM

The focus of the Public Facilities Program for FY 2013 is directed at energy savings measures. Three planned projects will contribute towards developing comprehensive master plans and the construction of energy efficiency improvements for City-owned facilities. One project will develop a comprehensive facilities master plan to determine the operational integrity and extended maintenance needs of city-owner facilities located throughout the area. A second project will provide for the construction of the project identified through the master plan. Work will include structural improvements, roofing, chillers and other large-scale capital outlay items. A third project will address energy efficiency retrofits of seven city facilities to include installation of high efficiency hand dryers; lighting improvements; computer and vending machine power managements; HVAC equipment and controls; and cooling towers that have high electrical costs. This project is part of a fixed price design/build contract with the cost of the work being paid for with the realized energy and maintenance savings.

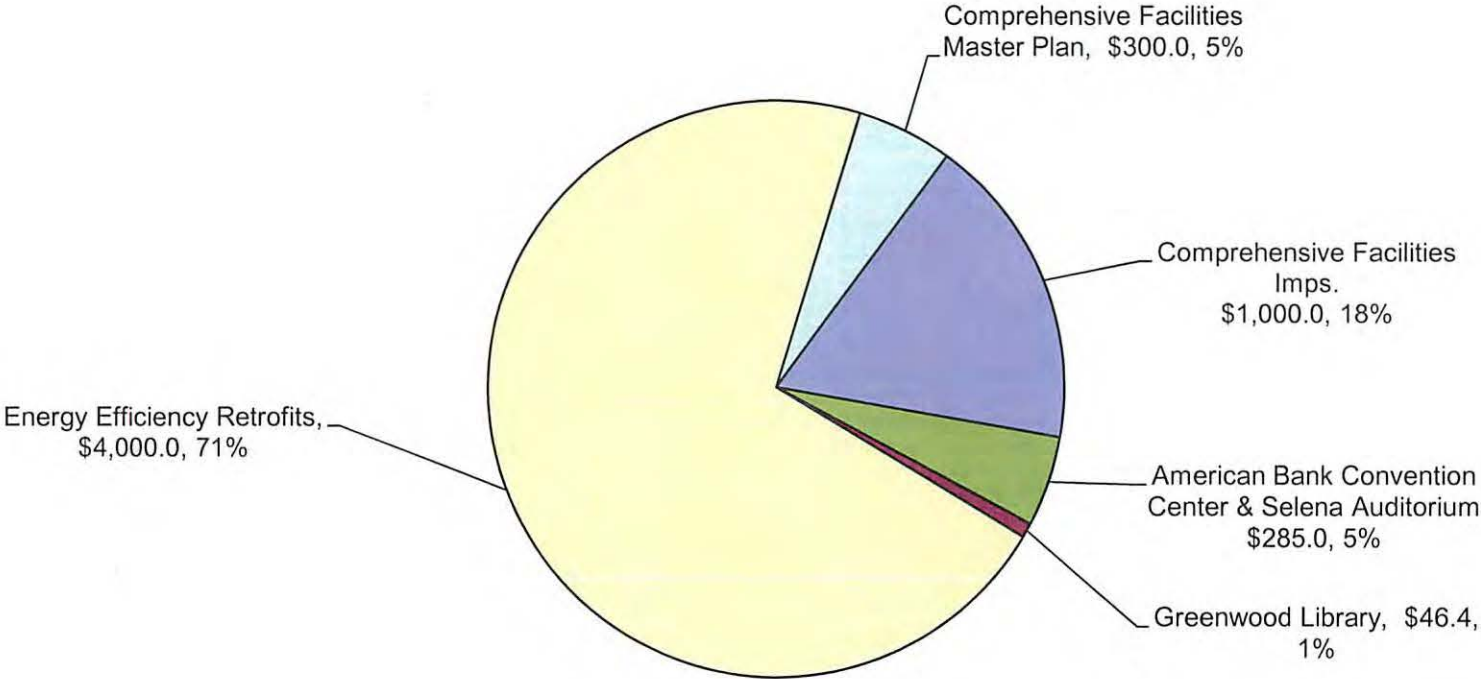
Other planned work includes the conclusion of improvements to the Bayfront Convention Center, Selena Auditorium and Greenwood Public Library. The City's Convention Center facilities have received minimal maintenance since the expansion was completed in 2004 and the Selena auditorium has had limited maintenance since its original construction in 1977. Recently completed and on-going projects are addressing necessary repairs and upgrades required to attract premier performers, meet the needs of stage shows who would like to use the auditorium, and provide a top-quality venue for conventions and visitors. Also nearing completion is the Greenwood Library Remodeling project which was part of the voter supported 2008 Bond Election. This work includes the complete renovation and reconfiguration of the existing 13,570 square foot library facility with external property site improvements. Contributions from the Ed Rachal Foundation and one anonymous donation have underwritten the construction of a portion of the children's area to include architectural enhancements that carry out the area's space theme.

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.

A recap of the Public Facilities Capital Improvement Budget for Fiscal Year 2012 - 2013 includes:

	YEAR ONE 2012 – 2013	YEAR TWO 2013 – 2014	YEAR THREE 2014 – 2015
TOTAL PROGRAMMED EXPENDITURES:	\$ 5,631,400	\$ 5,000,000	\$ 1,000,000
FUNDING:			
Bond Issue 2008 Proceeds	\$ 46,400	\$ 0	\$ 0
Certificates of Obligation	\$ 4,285,000	\$ 4,000,000	\$ 0
Operational Budget	\$ 300,000	\$ 0	\$ 0
To Be Determined	\$ 1,000,000	\$ 1,000,000	\$1,000,000
TOTAL PROGRAMMED FUNDS:	\$ 5,631,400	\$ 5,000,000	\$ 1,000,000

Public Facilities
Annual CIP: \$5,631.4
(Amounts in 000's)



**PUBLIC FACILITIES
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
PF 01	American Bank Convention Center and Selena Auditorium Capital Improvements Finance Number: TBD/Various Engineering Number: TBD/Various	3,330.1	285.0	-	-	285.0
PF 02	Greenwood Library Remodeling & Improvements Finance Number: 120106 Engineering Number: 4377	1,688.0	46.4	-	-	46.4
PF 03	Energy Efficiency Retrofits of City Facilities Finance Number: E11102 Engineering Number: E11102	-	4,000.0	4,000.0	-	8,000.0
PF 04	Comprehensive Facilities Master Plan Finance Number: TBD Engineering Number: TBD	-	300.0	-	-	300.0
PF 05	Comprehensive Facilities Improvements Finance Number: TBD Engineering Number: TBD	-	1,000.0	1,000.0	1,000.0	3,000.0
		5,018.1	5,631.4	5,000.0	1,000.0	11,631.4

**PUBLIC FACILITIES
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
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CURRENTLY AVAILABLE FUNDING:

	Bond Issue 2008 Proceeds	1,449.5	46.4	-	-	46.4
	Bond Issue 2004 Proceeds	49.8	-	-	-	-
	Donation	138.7	-	-	-	-
	Community Development Block Grant	50.0	-	-	-	-
	Operational Budget	-	300.0	-	-	300.0
	Certificates of Obligation	3,330.1	4,285.0	4,000.0	-	8,285.0
	Total Currently Available:	5,018.1	4,631.4	4,000.00	-	8,631.4

RECOMMENDED ADDITIONAL FUNDING:

	To Be Determined	-	1,000.0	1,000.0	1,000.0	3,000.0
	Total Recommended Funding:	-	1,000.0	1,000.0	1,000.0	3,000.0
	Total Funding Source:	5,018.1	5,631.4	5,000.0	1,000.0	11,631.4

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Public Facilities</u> Sequence #01</p> <p>PROJECT TITLE: <u>American Bank Convention Center & Selena Auditorium Capital Improvements</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pp. 48: 3&6; pg. 37</i></p> <p>DESCRIPTION: The Convention Center (Center) facilities have received minimal maintenance since the expansion was completed in 2004 and the Selena auditorium has had limited maintenance since it's original construction in 1977. This project is near completion on the necessary repairs and upgrades required to attract premier performers, meet the needs of stage shows who would like to use the auditorium, and provide a top-quality venue for conventions and visitors. Work has included an upgraded fire alarm system, movable walls, concrete spalling repairs, new lighting and electronic controls, aisle lighting, new dance floor and staging risers, platform and curtains. Remaining work includes replacement of roof top smoke evacuator doors and other miscellaneous items.</p>	
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Equipment Purchase	46.7					Capital Budget Project No: 11001 Engineering Project No: Various Finance Project No: Various A/E Consultant: Bath Eng. Contractor: Various Award Design: On-Going Award Construction: On-Going Anticipated Completion: Fiscal Year '13
Design & Engineering	334.1					
Construction	2,773.1					
Contingency		185.0			185.0	
Inspection/Other	176.2	100.0			100.0	
TOTAL:	3,330.1	285.0	-	-	285.0	
Source of Funds						
Certificates of Obligation	3,330.1	285.0			285.0	
TOTAL:	3,330.1	285.0	-	-	285.0	

OPERATIONAL IMPACT:
 This project places heavy emphasis on addressing overdue maintenance needs, new energy efficient equipment and state of the art technological advances to ensure these facilities are of a caliber to attract conventions, stage shows and events to support this community, encourage economic development and provide tourist and residents with shows of a quality that are typically seen in out of town venues. New energy efficient lighting and recently completed HVAC will lower operational costs and provide a more enjoyable experience. Work will increase citizen pride in the community and attract out of town visitors to the area.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Public Facilities</u></p> <p style="text-align: right;">Sequence #02</p> <p>PROJECT TITLE: <u>Greenwood Library Remodeling & Improvements</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6; 52</i></p> <p>DESCRIPTION: This project includes the renovation and reconfiguration of the existing 13,570 square foot Greenwood Branch Library facility, including additional site improvements such as site drainage, existing parking lot reconditioning, and new sidewalks. Work includes building renovations to exterior finishes, new roofing, complete interior renovations and an enhanced children's area with a science and space theme. Contributions from the Ed Rachal Foundation and one anonymous donation will underwrite a portion of the children's area to include architectural enhancements that carry out the area's space theme.</p>	
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	213.2					Capital Budget Project No: 10005 Engineering Project No: 4377 Finance Project No: 120106 A/E Consultant: Solka Nava Torno Contractor: Elite General Contractors Award Design: May '10 Award Construction: August '11 Anticipated Completion: August '12
Construction	1,403.9					
Contingency		26.4			26.4	
Inspection/Other	70.9	20.0			20.0	
TOTAL:	1,688.0	46.4	-	-	46.4	
Source of Funds						
Donation	138.7					
Bond 2008 Proceeds	1,449.5	46.4			46.4	
Bond 2004 Reserves	49.8					
CDBG Funds	50.0					
TOTAL:	1,688.0	46.4	-	-	46.4	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

DEPARTMENT: Public Facilities

Sequence #03

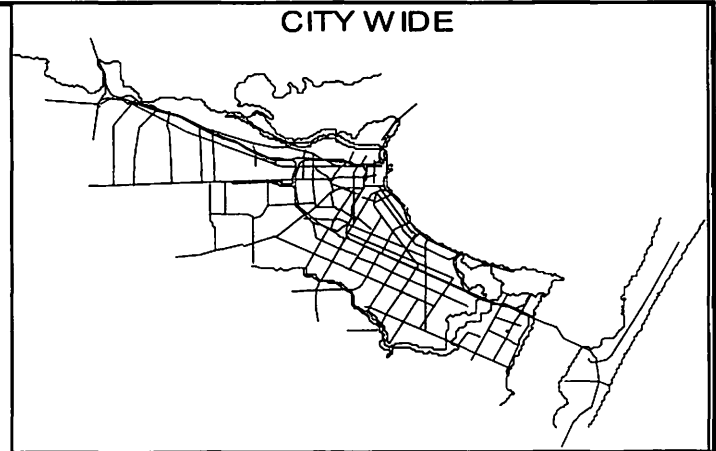
CITY WIDE

PROJECT TITLE: Energy Efficiency Retrofit of City Facilities

Consistency with the Comprehensive Plan: PS pg 48: 1, 3 & 6; Sustainability Initiative

DESCRIPTION:

This project provides energy efficiency retrofits to seven City facilities including: City Hall; Health Department; Municipal Court / Police Building; Museum of Science and History; Central Library; American Bank Center Complex; and Airport. Work will include installation of high efficiency hand dryers; lighting improvements; computer and vending machine power management; HVAC equipment and controls; and replacement of chillers and cooling towers that have high electrical cost. This project is part of a fixed price design/build contract with the bonds being paid back from the projected energy savings and operational maintenance reductions.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design / Build Construction		3,475.0	3,475.0		6,950.0	Capital Budget Project No: 12001
Contingency		325.0	325.0		650.0	Engineering Project No: E11102
Inspection/Other		200.0	200.0		400.0	Finance Project No: E11102
TOTAL:		4,000.0	4,000.0	-	8,000.0	A/E Consultant: McKinstry
						Contractor: McKinstry
Source of Funds						Award Design: January '12
Certificates of Obligation		4,000.0	4,000.0		8,000.0	Award Construction: January '12
TOTAL:		4,000.0	4,000.0	-	8,000.0	Anticipated Completion: January '13

OPERATIONAL IMPACT:

Projected savings include: Annual utilities saving of \$559,349 in electrical consumption; Annual operational savings of \$223,095 in reduced manpower and materials; and a one-time operational incentive payment from AEP in the amount of \$88,700 for energy conservation measures.

PROJECT DESCRIPTION

DEPARTMENT: Public Facilities

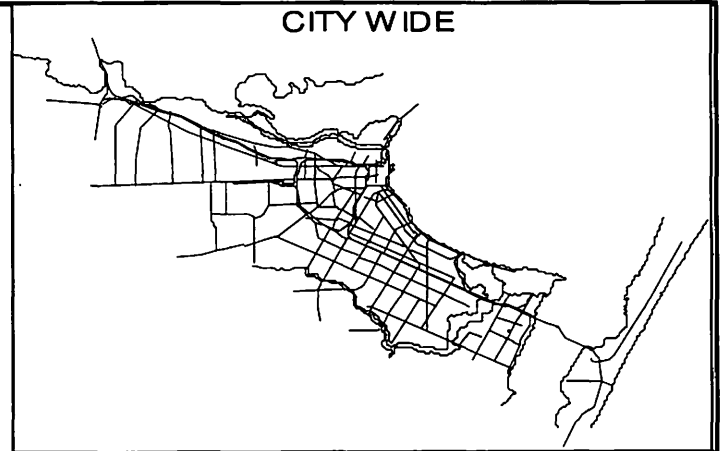
Sequence #04

PROJECT TITLE: Comprehensive Facilities Master Plan

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1-6; Sustainability Initiative

DESCRIPTION:

This project will provide for a city-wide comprehensive Facilities Master Plan to determine the operational integrity and extended maintenance needs of city owned facilities located throughout the area. This project will include funding for the Master Plan only, but the work will generate a list of projects, complete with scopes and costs, to be included in future Capital Improvement Programs and Bond Elections. Projects will include structural improvements, roofing, chillers and other capital outlay items.



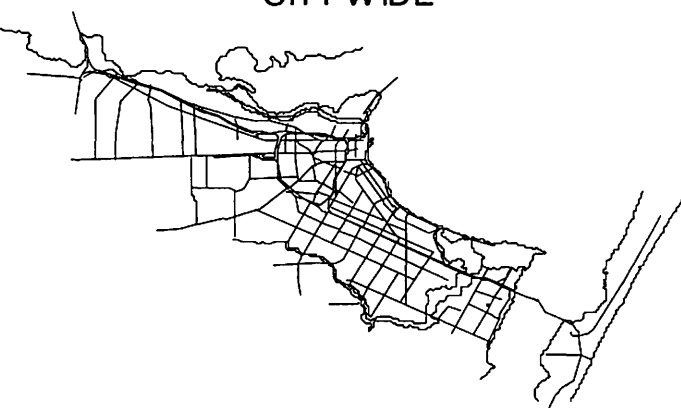
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering Construction Contingency Inspection/Other		300.0			300.0	Capital Budget Project No: 12001 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: RFQ Contractor: N/A
TOTAL:		300.0	-	-	300.0	
Source of Funds						Award Design: Fiscal Year '13
Operational Budget		300.0			300.0	Award Construction: N/A
TOTAL:		300.0	-	-	300.0	Anticipated Completion: N/A

OPERATIONAL IMPACT:

Unable to anticipate impact at this time.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Public Facilities</u></p> <p style="text-align: right;">Sequence #05</p> <p>PROJECT TITLE: <u>Comprehensive Facilities Improvements</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1-6; Sustainability Initiative</i></p> <p>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. Costs of these items will be included in future Capital Improvement Programs and Bond Elections.</p>	<p>CITY WIDE</p> 
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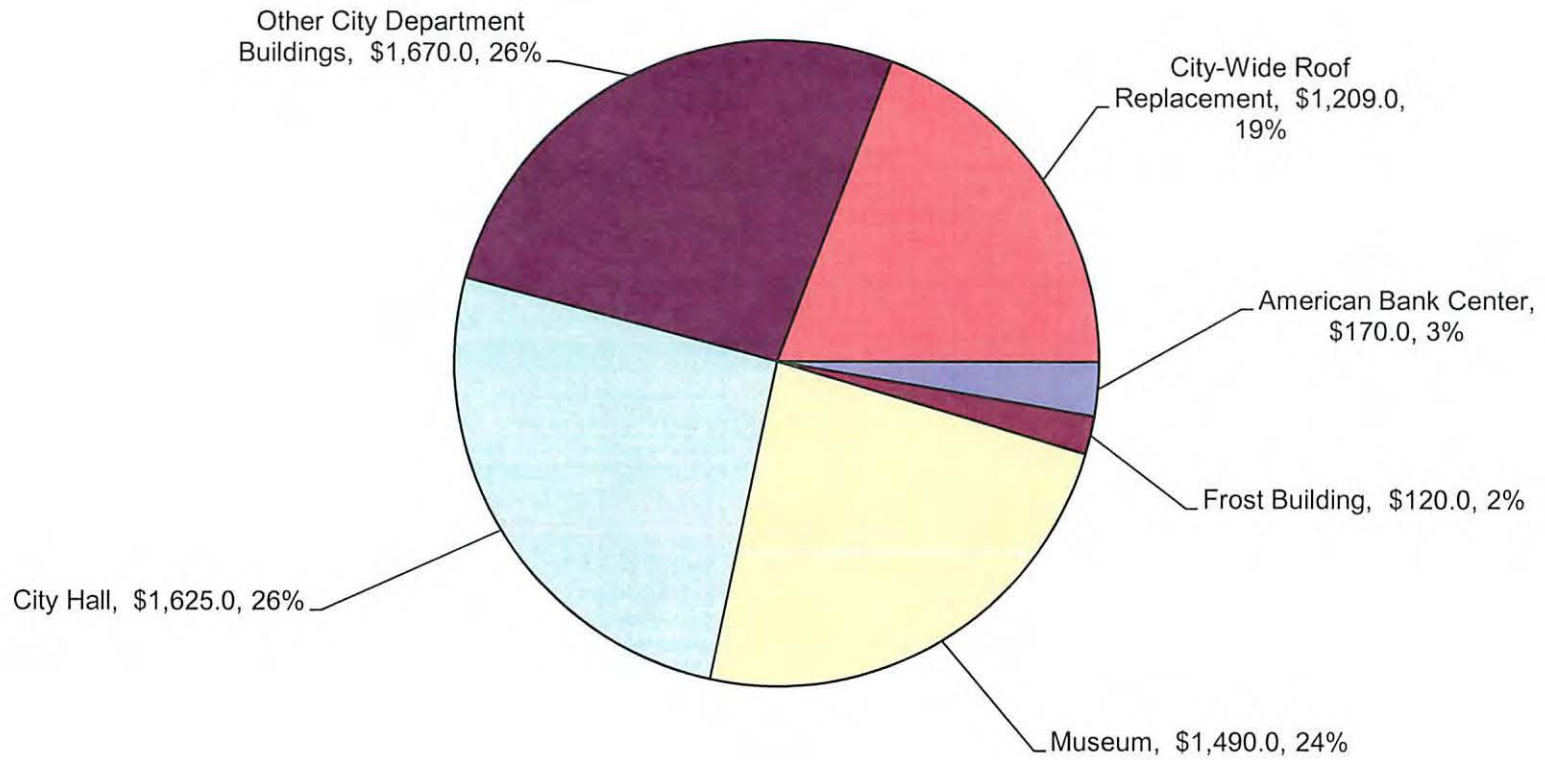
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering		70.0	70.0	70.0	210.0	Capital Budget Project No: 13002 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: RFQ Contractor: N/A Award Design: Fiscal Year '13 Award Construction: N/A Anticipated Completion: N/A
Construction		800.0	800.0	800.0	2,400.0	
Contingency		80.0	80.0	80.0	240.0	
Inspection/Other		50.0	50.0	50.0	150.0	
TOTAL:		1,000.0	1,000.0	1,000.0	3,000.0	
Source of Funds						
To Be Determined		1,000.0	1,000.0	1,000.0	3,000.0	
TOTAL:		1,000.0	1,000.0	1,000.0	3,000.0	

OPERATIONAL IMPACT:

Unable to anticipate impact at this time.

Public Facilities
Long-Range CIP: \$6,284.0
(Amounts in 000's)



PUBLIC FACILITIES
LONG-RANGE CIP

MUSEUM

- 1 Re-work Parking Lot and Redesign Main Entrance to ADA standards \$175,000
The approach to the Museum from the main parking lot crosses an abandoned asphalt driveway and includes steep steps as part of a poorly designed entranceway. In addition, two of the three entrance doors do not meet ADA standards. This should be redesigned and reworked. The parking lot surface is failing and needs to be reworked and top coated.

- 2 Address Rain Intrusion Problems \$40,000
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.

- 3 Roof Replacement TBD
The existing roof on the Museum is reaching the end of its useful service life and needs to be replaced. This work is necessary to protect the exhibits and public's enjoyment of the facility.

- 4 Watergarden Accessible Driveway 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 Watergarden. This project was also recommended by the Museum's consultant, Ralph Applebaum and Associates, in their Visualization Concept study.

- 5 Acquisition of the Corps of Engineers Site 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.

- 6 Nina \$400,000
Marine surveys of the Columbus ships were done in July 2001 and October 2004 by two different marine surveyors. Most recently, last February a third survey was completed of Nina. The condition of the ships has deteriorated. The most recent survey recommended a thorough inspection to delineate the extent of rotten portions and the removal and replacement of all rotted wood; the removal and replacement of all deck caulking; repair of the main mast before rot extends far enough to cause mast failure, and cover all exterior surfaces with a protective coating.

PUBLIC FACILITIES
LONG-RANGE CIP

MUSEUM (Cont'd)

- 7 Pinta \$275,000
It is assumed that Pinta is in moderately better condition than Nina although it is a slightly larger ship. At this point the main deck can continue to support visitor traffic although the half deck must be replaced and dry rot is a spreading problem. Wooden ships must be rebuilt every ten years and the last rebuild of Pinta was in 1997.
- 8 Santa Maria \$600,000
Santa Maria is coated with a primer and paint that has always been problematic. All three decks are full of spreading rot. The half deck and captain's cabin are no longer open to the public because of holes in the deck. Areas of the hull must be replaced and it is in the process of falling apart. Wooden ships must be rebuilt every ten years and the last rebuild of Santa Maria was in 1997. One carpenter and one maintenance supervisor can't accomplish the needed repairs.

BEN GARZA GYM

- 9 Ben Garza Gym HVAC Replacement \$300,000
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.

CITY WIDE FACILITIES ROOF REPLACEMENTS

- 10 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.
- 11 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.
- 12 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.
- 13 Neyland Library New Roof \$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.

**PUBLIC FACILITIES
LONG-RANGE CIP**

CITY WIDE FACILITIES ROOF REPLACEMENTS (cont'd)

- | | | |
|----|---|------------------|
| 14 | HEB Tennis Center Court Lounge New Roof | \$80,000 |
| | <p>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.</p> | |
| 15 | Fire Station #13 New Roof | \$134,000 |
| | <p>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.</p> | |
| 16 | Fire Station #14 New Lower Roof | \$100,000 |
| | <p>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.</p> | |
| 17 | Warehouse Stores New Roof | \$250,000 |
| | <p>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.</p> | |
| 18 | Street and Solid Waste Department New Roof | \$150,000 |
| | <p>A new and improved roof is necessary to protect the Street and Solid Waste Department 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 equipment.</p> | |
| 19 | Health Department New Roof and Brick Repair | \$50,000 |
| | <p>A new and improved roof is needed for the Southside of the Health Department, which is where the Mechanical Room is located. Water Repellant is needed on the bricks as well as having to repoint the mortar in the bricks. 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.</p> | |
| 20 | Allison Wastewater Treatment Plant New Roof | \$120,000 |
| | <p>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.</p> | |
| 21 | ON Stevens Water Treatment Plant New Roof | \$100,000 |
| | <p>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.</p> | |

**PUBLIC FACILITIES
LONG-RANGE CIP**

CITY HALL

- | | | |
|----|--|------------------|
| 22 | <u>Atrium Skylight Refurbishment</u> | <u>\$55,000</u> |
| | This project will provide standard five (5) year reseal required due to harsh environmental exposure. | |
| 23 | <u>Flat Roof Resealing</u> | <u>\$350,000</u> |
| | 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. | |
| 24 | <u>Main Electrical Control Banks</u> | <u>\$350,000</u> |
| | The original installation is now obsolescent technology and experiences decreased reliability. This project consists of upgrading breakers, wiring and indicators on panels. | |
| 25 | <u>Data Center Fire Suppression Upgrade</u> | <u>\$250,000</u> |
| | The current system 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. | |
| 26 | <u>Electrical System Survey/Load Analysis</u> | <u>\$95,000</u> |
| | 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. | |
| 27 | <u>Lighting Control Upgrades</u> | <u>\$150,000</u> |
| | 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. | |
| 28 | <u>Data Center HVAC System Upgrades</u> | <u>\$375,000</u> |
| | 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. | |

**PUBLIC FACILITIES
LONG-RANGE CIP**

CITY SERVICE CENTER

- 29 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.
- 30 Heavy Duty Vehicle Wash \$85,000
A dual loop above-ground high pressure fresh water spray facility is necessary to permit drive-thru cleaning of City Fleet Vehicles.
- 31 Sign Shop TBD
The existing facility is in need of a new building. The existing building has mold and mildew issues along with roof, floor and plumbing problems. The Department has to continuously make repairs to keep the building in working, habitable condition.

ELEVATOR CODE CORRECTIONS

- 32 Elevator Code Corrections \$810,000
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.).

AMERICAN BANK CENTER

- 33 Freight Elevator Modifications/Repairs \$60,000
The existing unit has been repeatedly hit by forklifts, resulting in warpage to doors and binding of track assemblies. The replacement of numerous door motors has been required over the past year as a result. Two operations are necessary: (1) repair of doors and track assemblies and (2) conversion of automatic doors to manual system to preclude doors closing on equipment.
- 34 Expansion of Shop Structure \$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.

**PUBLIC FACILITIES
LONG-RANGE CIP**

FROST BUILDING

- 35 Lighting Control Upgrades \$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.
- 36 Electrical Service Panel Relocation \$60,000
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.
- 37 Secondary Emergency Generator 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

- 38 Building Expansion 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.
- 39 Exterior Work Area Cover \$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

- 40 HVAC Upgrades \$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.
- 41 Storage Area Cover \$75,000
The exterior to the building covers material storage areas used by two departments. Age and corrosion have weakened supporting structures, creating a potential hazard. This project would replace frame and corrugated roofing materials, plus a bonding system to prevent corrosion.

PUBLIC FACILITIES
LONG-RANGE CIP

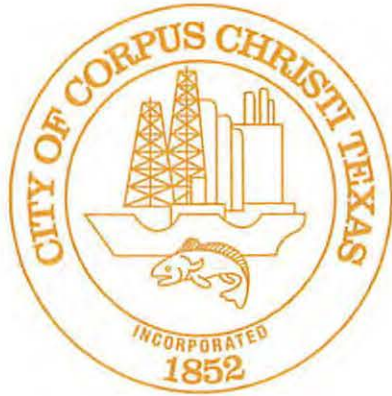
LIBRARY

42 Expansion of Neyland Library TBD

This project would provide for the expansion of the Neyland Library building to accommodate the library administrative offices and the resources from the Retama Library. This will enable the closure of the Retama Library and accomplish a reduction of floor spaces and a reduction in library operating cost. It will also provide a building for the Police Department to move in and expand to meet their floor space needs. The old Police Department building could be made available to the Municipal Court or others as needed.

TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS: **\$6,284,000**

Public Health



CITY OF CORPUS CHRISTI PUBLIC HEALTH & SAFETY PROGRAM

The Public Health & Safety Program is highlighted by the near completion of police, fire and public health improvements as part of the voter-approved November 2008 bond election. These projects are improving service delivery and response time, protecting existing equipment, enhancing the comfort of the public and investing in projects that will increase revenues.

The public will greatly benefit from two Fire Department projects including the relocation of an existing fire station and the construction of a new fire station. Cost estimates have shown that it is less costly and more efficient to build a new fire station rather than remodel an existing one that is undersized and has exhausted its service life. Fire Station #5 will be relocated to Corpus Christi Independent School District property at Miller High School and will provide the students an opportunity to learn more about fire safety as a career. The new station will be approximately 6,500 square feet and includes the cost of construction for a new fire station with building and parking. The station has been designed and will be constructed in coordination with operating budget requirements for staffing and operations.

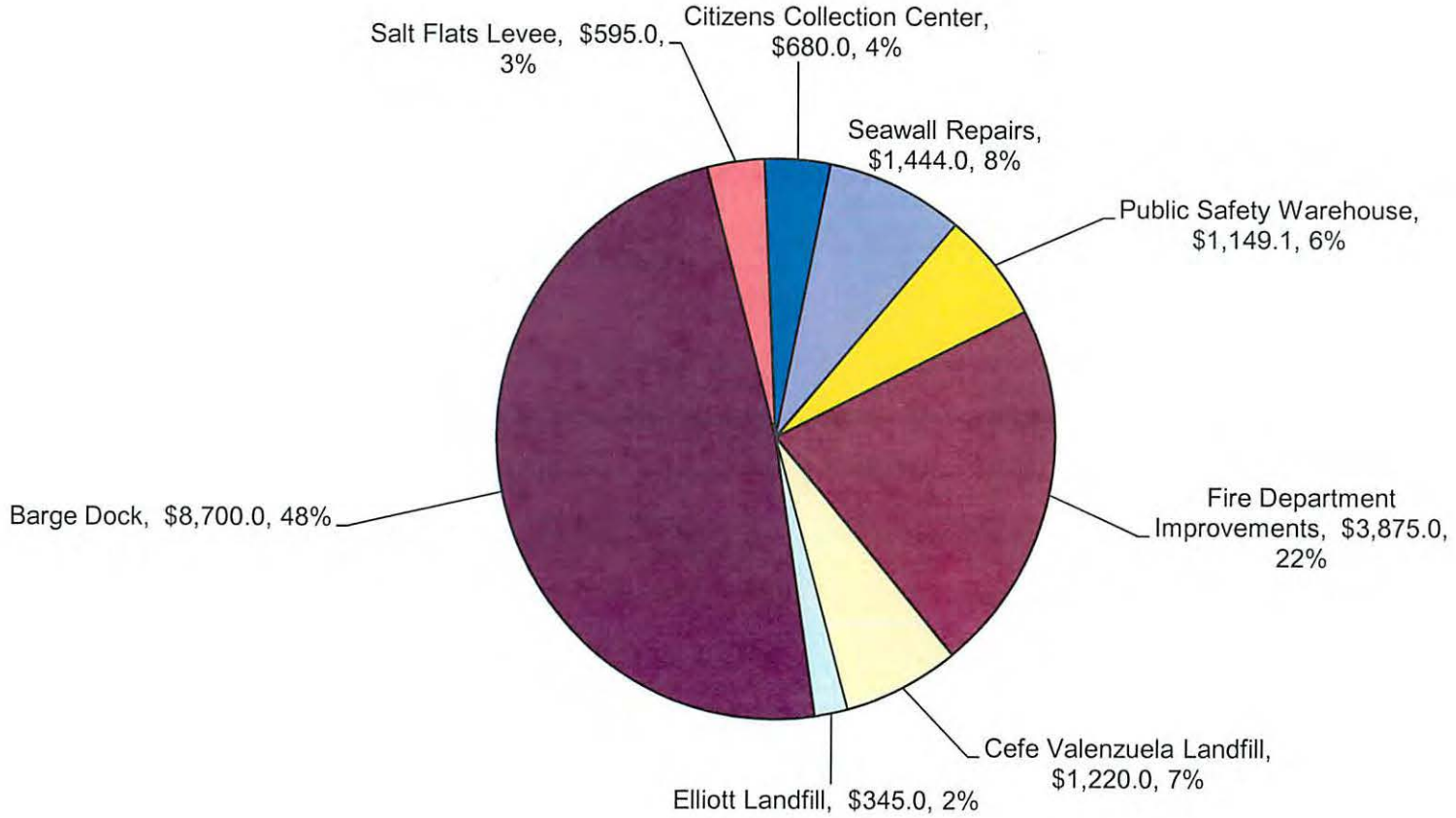
Additional improvements at the J.C. Elliott and Cefé Valenzuela landfills are proposed over the next three years. These projects include planning for future waste disposal needs and minimizing costs through the latest technological advances. Projects exploring the use of alternative energy sources will be pursued and additional area transfer stations are planned.

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. These projects include additional improvements to the Salt Flats Levee System, repairs to the downtown Seawall and possible elevation of the barge dock at the existing seawall bulkhead.

A recap of the budgeted expenditures includes:

	YEAR ONE 2012 – 2013	YEAR TWO 2013 – 2014	YEAR THREE 2014 – 2015
TOTAL PROGRAMMED EXPENDITURES:	\$ 18,008,100	\$ 11,397,000	\$ 1,191,000
CURRENT AVAILABLE FUNDING:			
Bond Issue 2008 Proceeds	\$ 4,524,100	\$ 0	\$ 0
Certificates of Obligation	\$ 2,245,000	\$ 0	\$ 0
General Fund Reserves	\$ 500,000	\$ 0	\$ 0
RECOMMENDED ADDITIONAL FUNDING:			
Sales Tax Proceeds (Type A)	\$ 10,739,000	\$ 2,300,000	\$ 0
Certificates of Obligation	\$ 0	\$ 9,097,000	\$ 1,191,000
TOTAL PROGRAMMED FUNDS:	\$ 18,008,100	\$ 11,397,000	\$ 1,191,000

**Public Health & Safety
Annual CIP: \$18,008.1
(Amounts in 000's)**



**PUBLIC HEALTH SAFETY
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
PF 01	Public Safety Warehouse for Fire and Police Finance Number: 140252 Engineering Number: 5244	1,105.6	1,149.1	-	-	1,149.1
PF 02	Relocation of Fire Station No. 5 Finance Number: 140231 Engineering Number: 5245	236.4	1,958.9	-	-	1,958.9
PF 03	New Fire Station in area of Holly/Saratoga Finance Number: 140232 Engineering Number: 5246	183.9	1,916.1	-	-	1,916.1
PF 04	J.C. Elliott Landfill New Office Building Finance Number: TBD Engineering Number: TBD	-	345.0	-	-	345.0
PF 05	J.C. Elliott Landfill Gas Management to Energy System Finance Number: 140063 Engineering Number: 5280	164.2	TBD	-	-	TBD
PF 06	Landfill Pavement / Roadway Life Cycle Replacement Finance Numbers: Various Engineering Numbers: Various	745.1	750.0	-	-	750.0
PF 07	Cefé Valenzuela Landfill Disposal Cells Interim Cover - Cells 3D, 4A and 4B Finance Number: TBD Engineering Number: TBD	-	280.0	3,936.0	-	4,216.0
PF 08	Cefé Valenzuela Landfill Liquids (Leachate) Management Finance Number: E11059 Engineering Number: E11059	51.9	190.0	1,191.0	1,191.0	2,572.0

**PUBLIC HEALTH SAFETY
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
PF 09	Cefé Valenzuela Landfill Wind Energy Evaluation/Development Finance Number: 160193 Engineering Number: 5281	30.6	TBD	-	-	TBD
PF 10	Citizens Collection Center Flour Bluff/Padre Island Area Finance Number: TBD Engineering Number: TBD	-	680.0	3,970.0	-	4,650.0
PF 11	Salt Flats Levee System - Phase 1 Finance Number: E03428 Engineering Number: 3428	616.2	595.0	2,300.0	-	2,895.0
PF 12	Barge Dock Elevation Increase Finance Number: TBD Engineering Number: TBD	-	8,700.0	-	-	8,700.0
PF 13	Seawall Capital Repairs Finance Number: E11090 Engineering Number: E11090	150.9	1,444.0	-	-	1,444.0
	Program Total:	3,284.8	18,008.1	11,397.0	1,191.0	30,596.1

**PUBLIC HEALTH SAFETY
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
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CURRENTLY AVAILABLE FUNDING:

	Bond 2008 Proceeds	1,325.9	4,524.1	-	-	4,524.1
	Public Health & Safety Reserves	1.3	-	-	-	-
	Commercial Paper/Revenue Bd	4.9	-	-	-	-
	Certificates of Obligation	991.8	2,245.0	-	-	2,245.0
	Donation	193.8	-	-	-	-
	General Fund Reserves	-	500.0	-	-	500.0
	Sales Tax Proceeds (Type A)	767.1	-	-	-	-
	Total Currently Available:	3,284.8	7,269.1	-	-	7,269.1

RECOMMENDED ADDITIONAL FUNDING:

	Certificates of Obligation	-	-	9,097.0	1,191.0	10,288.0
	Sales Tax Proceeds (Type A)	-	10,739.0	2,300.0	-	13,039.0
	Total Recommended Funding:	-	10,739.0	11,397.0	1,191.0	23,327.0
	Total Funding Source:	3,284.8	18,008.1	11,397.0	1,191.0	30,596.1

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Public Health & Safety</u></p> <p style="text-align: right;">Sequence #01</p> <p>PROJECT TITLE: <u>Public Safety Warehouse for Fire and Police</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3&6; pg. 51: g</i></p> <p>DESCRIPTION: As part of this Bond 08 project, the City purchased 3.1 acres of land and an existing 16,000 square foot building for a public safety warehouse at Holly and Greenwood for the Fire Department. Phase 1 of this project is complete and that facility will be used for a fire department warehouse and maintenance facility to keep valuable equipment from being stored outdoors and exposed to the elements. Phase 2 is under design and will construct a new two story police building on the existing land footprint to accommodate police office space and warehouse needs. The area will be used as storage for large response vehicles for the bomb squad while a portion of the space will be developed as offices for the Organized Crime and Bomb Squad Division. The area over the office will be developed to allow for future relocation of the Saratoga Street Substation.</p>	<p style="text-align: center;">Project Location</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Land Acquisition	709.9					Capital Budget Project No: 10002 Engineering Project No: 5244 Finance Project No: 140252 PHASE TWO WORK: A/E Consultant: Lamar Womack Assoc. Contractor: TBD Award Design: August '11 Award Construction: August '12 Anticipated Completion: July '13
Design & Engineering	154.8					
Construction	167.7	950.0			950.0	
Contingency		95.0			95.0	
Inspection/Other	73.2	104.1			104.1	
TOTAL:	1,105.6	1,149.1	-	-	1,149.1	
Source of Funds						
Bond 2008 Proceeds	1,100.9	649.1			649.1	
Public Health & Safety Reserves	1.3					
General Fund Reserves		500.0			500.0	
Wastewater	3.4					
TOTAL:	1,105.6	1,149.1	-	-	1,149.1	

OPERATIONAL IMPACT:

The new facility will accommodate ten existing officers who will be housed at the same facility as their specialized equipment. Currently, this equipment is located throughout the City and is not in a secure warehouse. This move will extend the life of the equipment and improve officer response time. The estimated yearly additional costs are \$14,000 for electricity and \$25,000 for operations including cleaning materials, office supplies and phones. Once the sub-station is relocated, the City will save on a reduction in lease space utilization.

PROJECT DESCRIPTION

DEPARTMENT: Public Health & Safety

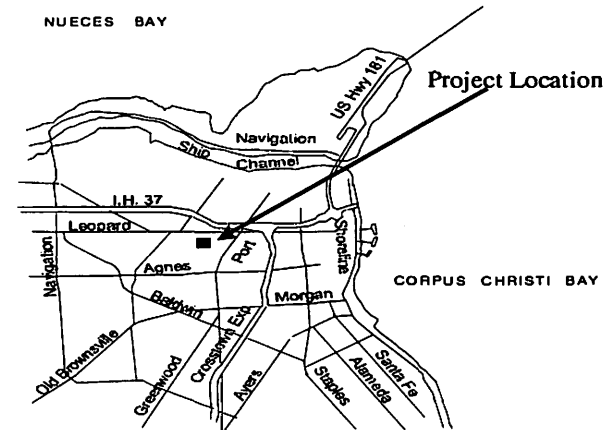
Sequence #02

PROJECT TITLE: Relocation of Fire Station No. 5

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3&6; Tri-Data Study 2005

DESCRIPTION:

The current station is undersized and beyond the serviceable life for the structure and mechanical systems. The November 2008 bond election provided for a new station to be constructed and all existing personnel and equipment from the current station will be relocated. The new station will be located on property at Miller High School and will provide the students an opportunity to learn more about fire safety as a career. The building will be approximately 6,500 square feet and will include room for parking. The City has entered into an interlocal with CCISD for use of the facility in-lieu of rent. The school district has provided funding for facilitation of this project.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	211.8					Capital Budget Project No: 10003 Engineering Project No: 5245 Finance Project No: 140231 A/E Consultant: Solka Nava Torno Contractor: TBD Award Design: April '11 Award Construction: August '12 Anticipated Completion: April '13
Construction		1,650.0			1,650.0	
Contingency		160.0			160.0	
Inspection/Other	24.6	148.9			148.9	
TOTAL:	236.4	1,958.9	-	-	1,958.9	
Source of Funds						
Bond 2008 Proceeds	41.1	1,958.9			1,958.9	
Donation	193.8					
Wastewater	1.5					
TOTAL:	236.4	1,958.9	-	-	1,958.9	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Public Health & Safety</u></p> <p style="text-align: right;">Sequence #03</p> <p>PROJECT TITLE: <u>New Fire Station in area of Holly / Saratoga</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3&6; pg. 50: a, b & c; 1994 South Side Fire Station Location Study Update</i></p> <p>Relocate existing Fire Station 8 to this location</p> <p>DESCRIPTION: A new fire station will be constructed to meet the needs of 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. This project will include the cost of construction for a new fire station with building, equipment and parking on City owned property. The new station will be approximately 6,000 square feet and located at Ayers and Saratoga. Construction of this project is pending coordination with the Fire Department Operating Budget for staffing and operational needs.</p>	
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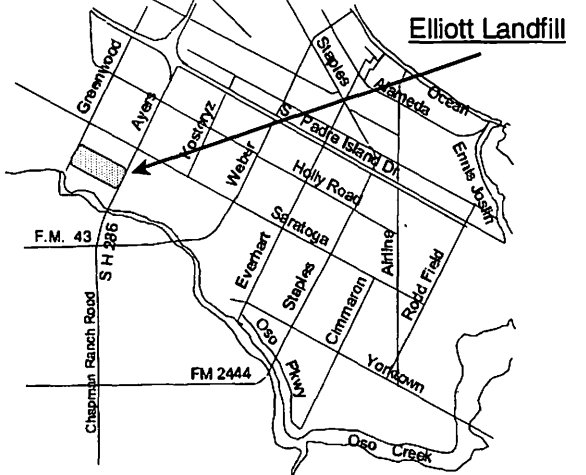
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	151.1					Capital Budget Project No: 10004 Engineering Project No: 5246 Finance Project No: 140232 A/E Consultant: Chuck Anastos Contractor: TBD Award Design: December '10 Award Construction: TBD Anticipated Completion: TBD
Construction		1,600.0			1,600.0	
Contingency		160.0			160.0	
Inspection/Other	32.8	156.1			156.1	
TOTAL:	183.9	1,916.1	-	-	1,916.1	
Source of Funds						
Bond 2008 Proceeds	183.9	1,916.1			1,916.1	
TOTAL:	183.9	1,916.1	-	-	1,916.1	

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 DESCRIPTION

<p>DEPARTMENT: <u>Public Health & Safety</u></p> <p style="text-align: right;">Sequence #04</p> <p>PROJECT TITLE: <u>J.C. Elliott Landfill New Office Building</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6</i></p> <p>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 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.</p>	 <p style="text-align: right;">Elliott Landfill</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering		25.0			25.0	Capital Budget Project No: 10009 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: Pending Contractor: TBD Award Design: September '12 Award Construction: January '13 Anticipated Completion: July '14
Construction		275.0			275.0	
Contingency		25.0			25.0	
Inspection/Other		20.0			20.0	
TOTAL:		345.0	-	-	345.0	
Source of Funds						
Certificates of Obligation		345.0			345.0	
TOTAL:		345.0	-	-	345.0	

OPERATIONAL IMPACT:

The operational impact of this project will be small, but positive. 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.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Public Health & Safety</u></p> <p style="text-align: right;">Sequence #05</p> <p>PROJECT TITLE: <u>J.C. Elliott Landfill Gas Management to Energy System</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6</i></p> <p>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 '13 costs may be.</p>	 <p style="text-align: right;">Elliott Landfill</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Development of RFP Package	164.2	TBD				Capital Budget Project No: 10010 Engineering Project No: 5280 Finance Project No: 140063 A/E Consultant: Pending Contractor: TBD Award Design: Fiscal Year '13 Award Construction: TBD Anticipated Completion: TBD
Design & Engineering						
Construction						
Contingency						
Inspection/Other						
TOTAL:	164.2	-	-	-	-	
Source of Funds						
Certificates of Obligation	164.2	TBD				
TOTAL:	164.2	-	-	-	-	

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.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Public Health & Safety</u></p> <p style="text-align: right;">Sequence #06</p> <p>PROJECT TITLE: <u>Landfill Pavement/Roadway Life Cycle Replacement</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6</i></p> <p>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 for this year will provide for road reconstruction at Cefé Valenzuela Landfill.</p>	<p style="text-align: center;">Elliott Landfill</p> <p style="text-align: center;">Cefe Valenzuela Landfill</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	31.5	60.0			60.0	Capital Budget Project No: 08002 Engineering Project No: Various Finance Project No: Various A/E Consultant: TBD Contractor: TBD Award Design: On-Going Award Construction: On-Going Anticipated Completion: On-Going
Construction	652.6	600.0			600.0	
Contingency		60.0			60.0	
Inspection/Other	61.0	30.0			30.0	
TOTAL:	745.1	750.0	-	-	750.0	
Source of Funds						
Certificates of Obligation	745.1	750.0			750.0	
TOTAL:	745.1	750.0	-	-	750.0	

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.

PROJECT DESCRIPTION

DEPARTMENT: Public Health & Safety

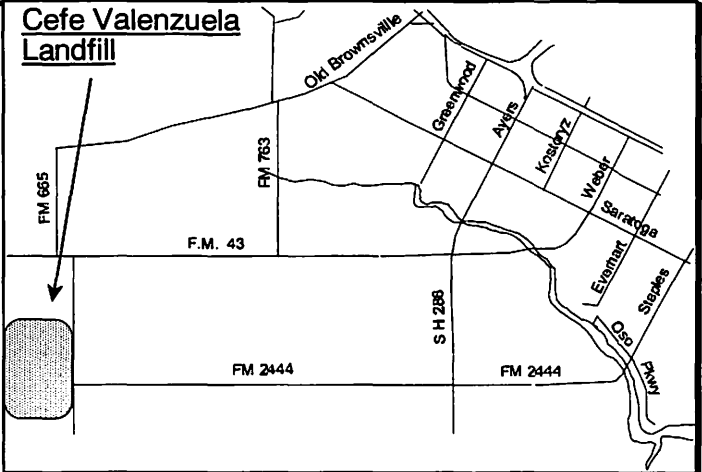
Sequence #07

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



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering		260.0			260.0	Capital Budget Project No: 11001 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: Pending Contractor: TBD Award Design: Fiscal Year '13 Award Construction: Fiscal Year '14 Anticipated Completion: Fiscal Year '15
Construction			3,260.0		3,260.0	
Contingency			326.0		326.0	
Inspection/Other		20.0	350.0		370.0	
TOTAL:		280.0	3,936.0	-	4,216.0	
Source of Funds						
Certificates of Obligation		280.0	3,936.0		4,216.0	
TOTAL:		280.0	3,936.0	-	4,216.0	

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.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Public Health & Safety</u></p> <p style="text-align: right;">Sequence #08</p> <p>PROJECT TITLE: <u>Cefé Valenzuela Landfill Liquids (Leachate) Management</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6</i></p> <p>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, capacity, size, piping, and leachate pumps with intended recirculation of leachate into the proper disposal cells. Prior expenditures include preliminary work to obtain necessary permit modifications and Texas Commission on Environmental approval to add groundwater evaporation ponds. Additional permit modification will be required to recirculate groundwater in cells with the recirculated leachate.</p>	<p>Cefe Valenzuela Landfill</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Preliminary Permitting						Capital Budget Project No: 10011 Engineering Project No: E11059 Finance Project No: E11059 Preliminary Consultant: S. Hossain-UT at A A/E Consultant: TBD Contractor: TBD Award Design: Fiscal Year '13 Award Construction: Fiscal Year '14 Anticipated Completion: Fiscal Year '16
Design & Engineering	51.3	175.0			175.0	
Construction			960.0	960.0	1,920.0	
Contingency			96.0	96.0	192.0	
Inspection/Other	0.6	15.0	135.0	135.0	285.0	
TOTAL:	51.9	190.0	1,191.0	1,191.0	2,572.0	
Source of Funds						
Certificates of Obligation	51.9	190.0	1,191.0	1,191.0	2,572.0	
TOTAL:	51.9	190.0	1,191.0	1,191.0	2,572.0	

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.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Public Health & Safety</u></p> <p style="text-align: right;">Sequence #09</p> <p>PROJECT TITLE: <u>Cefé Valenzuela Wind Energy Evaluation/Development</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6</i></p> <p>DESCRIPTION: This project will explore the development of a wind farm for the commercial production of electrical energy. Energy generated through a wind farm could be used at the landfill and/or sold to retail providers. Prior expenditures are evaluating the development of a Request For Proposals (RFP) for the potential to solicit developers to design or design-build a wind generation farm. At this time it is not known what the potential costs for FY '13 may be.</p>	<p>Cefe Valenzuela Landfill</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Development of RFP Package	30.6	TBD				Capital Budget Project No: 10012 Engineering Project No: 5281 Finance Project No: 160193 A/E Consultant: TBD Contractor: TBD Award Design: TBD Award Construction: TBD Anticipated Completion: TBD
Design & Engineering						
Construction						
Contingency						
Inspection/Other						
TOTAL:	30.6	-	-	-	-	
Source of Funds						
Certificates of Obligation	30.6	TBD				
TOTAL:	30.6	-	-	-	-	

OPERATIONAL IMPACT:

This project could result in large revenue generation from alternate energy production sources such as wind energy. 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 Cefé Valenzuela Landfill and other city facilities.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Public Health & Safety</u></p> <p style="text-align: right;">Sequence #10</p> <p>PROJECT TITLE: <u>Citizens Collection Center Flour Bluff / Padre Island Area</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6</i></p> <p>DESCRIPTION: This project will result in a new Citizen's Collection Center 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. Timing of construction will be dependent upon acquisition of land and issuance of Certificates of Obligation.</p>	
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Land Acquisition		400.0			400.0	Capital Budget Project No: 10013 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: Pending Contractor: TBD Award Design: Fall '12 Award Construction: Fall 13 Anticipated Completion: Early '14
Design & Engineering		240.0			240.0	
Construction			3,500.0		3,500.0	
Contingency			350.0		350.0	
Inspection/Other		40.0	120.0		160.0	
TOTAL:		680.0	3,970.0	-	4,650.0	
Source of Funds						
Certificates of Obligation		680.0	3,970.0		4,650.0	
TOTAL:		680.0	3,970.0	-	4,650.0	

OPERATIONAL IMPACT:

This project will provide a needed service to the residents of Padre Island and Flour Bluff. It will assist in promoting community pride and should reduce the amount of garbage currently being dumped along roadsides in these areas. Estimated operational costs required to run the facility include \$60,000 for two FTE's and an additional \$5,900 for contractual services and supplies on a yearly basis.

PROJECT DESCRIPTION

DEPARTMENT: Public Health & Safety

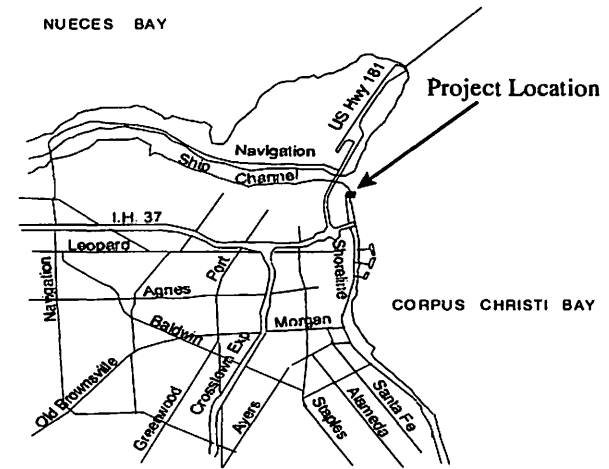
Sequence #11

PROJECT TITLE: Salt Flats Levee System - Phase 1

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

DESCRIPTION:

The current Salt Flats Levee System requires improvements to ensure that the system will function as originally designed. Construction of short-term improvements is underway, but additional work includes preparation of a comprehensive guidance document to assess re-certification of the Salt Flats Levee System. The re-certification is necessary if these structures are to be considered when FEMA produces the updates to the area's base flood maps. Failure to re-certify these levees could result in increased flood insurance for existing structures within the Salt Flats and downtown area, as well as an increase in the required minimum floor elevations for new structures. Pending the recommendations provided in the guidance document, additional project phases may include consideration for additional levee improvements. **This Project will require close coordination with City Council and the Type A Board.**



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	352.3	275.0			275.0	Capital Budget Project No: 10015 Engineering Project No: 3428 Finance Project No: E03428 PHASE ONE CONTINUED: A/E Consultant: Urban Engineering Contractor: TBD Award Design: March '10 Award Construction: TBD Anticipated Completion: TBD
Construction	208.0		2,000.0		2,000.0	
Contingency		70.0	200.0		270.0	
Inspection/Other	55.9	250.0	100.0		350.0	
TOTAL:	616.2	595.0	2,300.0	-	2,895.0	
Source of Funds						
Sales Tax Proceeds (Type A)	616.2	595.0	2,300.0		2,895.0	
TOTAL:	616.2	595.0	2,300.0	-	2,895.0	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Public Health & Safety</u></p> <p style="text-align: right;">Sequence #12</p> <p>PROJECT TITLE: <u>Barge Dock Elevation Increase</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6</i></p> <p>DESCRIPTION: This proposed project involves raising the elevation of the Barge Dock by two (2) feet, constructing a relief platform to prevent the new fill from surcharging the existing bulkhead, create a stepped terrace area to reduce wave run-up onto the adjacent roadways during storms, create additional parking and other amenities. This project is pending funding approval by the City Council and will require close coordination with the City's Type A Board and the City Council.</p>	
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FUNDING SCHEDULE (Amounts in 000's)						
Use of Funds	Project-to-Date Expenditures March 2012	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering		650.0			650.0	Capital Budget Project No: 10014
Construction		6,750.0			6,750.0	Engineering Project No: TBD
Contingency		650.0			650.0	Finance Project No: TBD
Inspection/Other		650.0			650.0	A/E Consultant: TBD
TOTAL:		8,700.0	-	-	8,700.0	Contractor: TBD
Source of Funds						Award Design: TBD
Sales Tax Proceeds (Type A)		8,700.0			8,700.0	Award Construction: TBD
TOTAL:		8,700.0	-	-	8,700.0	Anticipated Completion: TBD

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

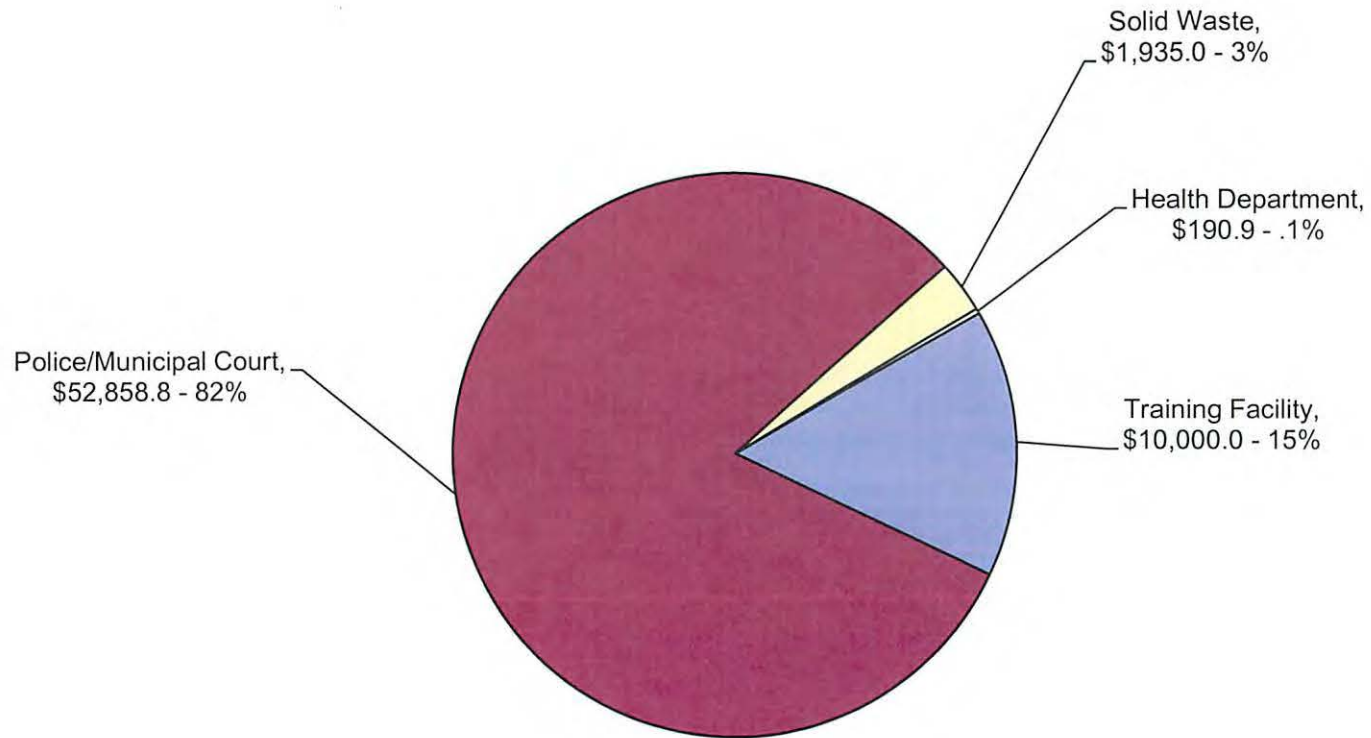
<p>DEPARTMENT: <u>Public Health & Safety</u></p> <p style="text-align: right;">Sequence #13</p> <p>PROJECT TITLE: <u>Seawall Capital Repairs</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 3 & 6</i></p> <p>DESCRIPTION: A Final Seawall Assessment Report was completed in 2009 which documented a number of maintenance issues that needed to be addressed along the seawall. After review of this report by the Corpus Christi Business and Job Development Board and Engineering Department, development of construction documents for seawall maintenance repairs proceeded. Repairs along the seawall may include maintenance at McGee Beach access ramp, Cooper's Alley L-Head and Lawrence Street T-Head, various concrete panels, storm water outfall penetrations and check valves, expansion joint repairs, and other pertinent repairs. Seawall maintenance is needed to protect the structural integrity of the seawall system.</p>	
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FUNDING SCHEDULE (Amounts in 000's)						
Use of Funds	Project-to-Date Expenditures thru March '12	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total	PROJECT NOTES:
Design & Engineering	150.9					Capital Budget Project No: 10014 Engineering Project No: E11090 Finance Project No: E11090 A/E Consultant: HDR, Inc. Contractor: TBD Award Design: March '12 Award Construction: Fall '12 Anticipated Completion: Winter '12
Construction		1,200.0			1,200.0	
Contingency		120.0			120.0	
Inspection/Other		124.0			124.0	
TOTAL:	150.9	1,444.0	-	-	1,444.0	
Source of Funds						
Sales Tax Proceeds (Type A)	150.9	1,444.0			1,444.0	
TOTAL:	150.9	1,444.0	-	-	1,444.0	

OPERATIONAL IMPACT:

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

Public Health & Safety
Long-Range CIP: \$64,984.7
(Amounts in 000's)



**PUBLIC HEALTH SAFETY
LONG RANGE CIP**

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 Expansion \$2,250,000
Police Headquarters, located at 127 N. Chaparral, requires expansion to accommodate staff and record storage area for the Organized Crime Unit, Special Services and Criminal Investigation Divisions. The Department needs approximately 15,000 additional sq. ft. to locate all personnel in one location.
NOTE: CONSTRUCTION OF NEW MUNICIPAL COURT FACILITIES WOULD ELIMINATE NEED FOR EXPANSION (see project #4).
- 4 New Municipal Court Facilities \$10,225,000
Municipal Court facilities are located in the Police Department Building at 127 N. Chaparral. The current facility has limited court, office and parking space. The proposal would require renovation of an existing building which would provide five (5) courts, operationally efficient lobby area and house the Juvenile Assessment Center and the new Environmental Court.
- 5 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.

**PUBLIC HEALTH SAFETY
LONG RANGE CIP**

POLICE/ MUNICIPAL COURT (Cont'd)

- | | | |
|---|--|---------------------|
| 6 | <u>New Police Headquarters Located in Central Corpus Christi</u> | <u>\$37,500,000</u> |
| | <p>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.</p> <p>NOTE: CONSTRUCTION OF NEW POLICE BUILDING WOULD ELIMINATE NEED FOR EXPANSION (see project #3) and POLICE HEADQUARTERS PARKING FACILITY (see project #5).</p> | |
| 7 | <u>Community Policing Multi-Purpose Facilities (substations)</u> | <u>\$1,283,770</u> |
| | <p>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.</p> | |
| 8 | <u>Police Vehicle Impound Yard, Phase 2</u> | <u>TBD</u> |
| | <p>This project will complete the remainder of the yard to be finished out including a larger administration building and a 5,000 square foot forensics building.</p> | |
| 9 | <u>MetroCom / Emergency Operations Center / Fusion Center</u> | <u>TBD</u> |
| | <p>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.</p> | |

SOLID WASTE

- | | | |
|----|---|--------------------|
| 10 | <u>Streets Operations Building</u> | <u>\$1,750,000</u> |
| | <p>New masonry type building to house Brush, Traffic Signals, and Signs and Markings operations. Building will have 15 offices for staff, 200 person capacity training room and shop space for Traffic Signals and Signs and Markings operations. Approximately 13,000 sq. ft. total, 3,000 sq. ft. for office space, 3,600 sq. ft. for training room, and 6,400 sq. ft. for shop space. This building will replace two trailer-type buildings, the condemned sign shop building and provide adequate training space.</p> | |
| 11 | <u>Streets and Solid Waste Storage Building</u> | <u>\$185,000</u> |
| | <p>Replace existing 30 ft. by 90 ft. steel storage building with a 60 ft. x 90 ft. structural steel open sides building. Existing unit is corroded to the point of being a safety hazard.</p> | |

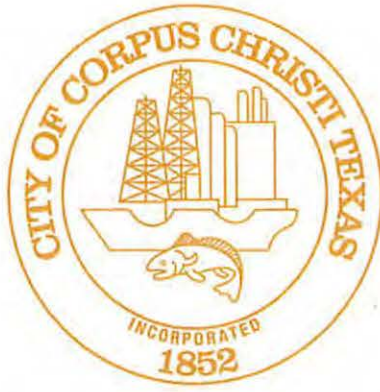
PUBLIC HEALTH SAFETY
LONG RANGE CIP

HEALTH

- | | | |
|----|--|------------------|
| 12 | <u>Corpus Christi Animal Shelter and Vector Control Facility - Phase 2</u> | <u>\$190,950</u> |
| | 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. | |

TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS: **\$64,984,720**

Streets



CITY OF CORPUS CHRISTI STREETS PROGRAM

Street quality has an impact on every resident, business, and visitor of our City. It affects property values, accessibility to businesses, schools, and residential areas and impacts the quality of life of our citizens. The FY 2012 – 2013 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. This year's budget focuses on the advancement of the 2008 Bond Election. On November 4, 2008, the City's voters approved a \$153 Million General Obligation bond issue that included \$104,610,000 in street improvements. These projects represent a significant investment in ADA improvements, street reconstruction and new street construction. The Street Capital improvement program includes the financial details of the required utility adjustments to reflect the total project cost and capital value of each project.

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 Regional Transportation Authority also contributes to special projects benefiting urban mobility each year and this year will participate in ADA program funding. The Department of Housing and Urban Development (HUD), through the Community Development Block Grant program (CDBG), makes funds available for qualifying street projects as well.

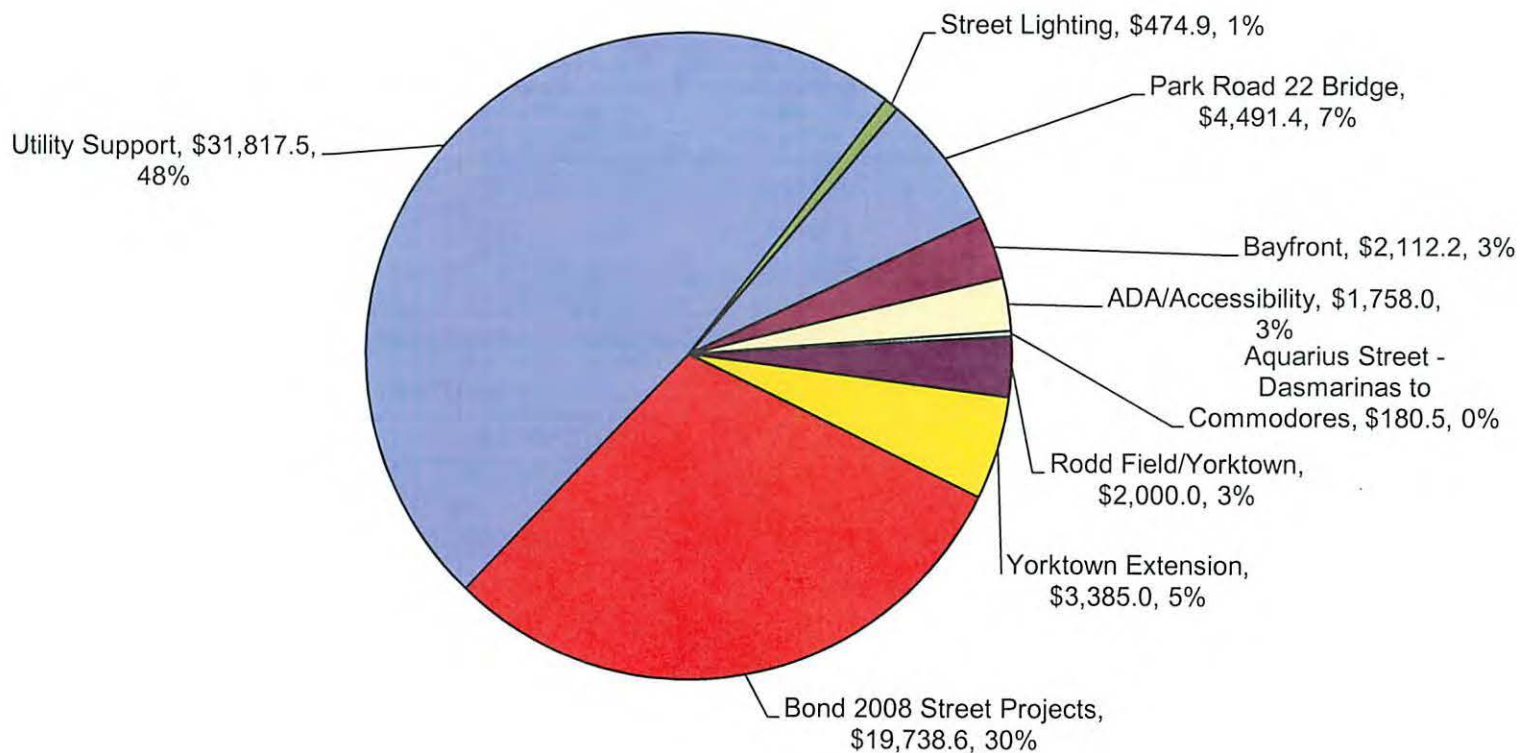
The FY 2013 Capital Budget reflects a continued commitment to implement the City's ADA Transition Plan. As part of the 2008 Bond Election, an additional \$5 million worth of ADA curb ramps will be constructed in areas where current street construction projects are not planned. Locations will address areas of greatest need for pedestrian street accessibility. In addition, specific street projects have curb cuts and sidewalk improvements as an element of the overall project scope. The year's Community Development Block Grant (CDBG) program illustrates the City's commitment to accessibility improvements and provides funding for constructing accessible routes in CDBG residential areas to include sidewalks where none exist and ADA compliant curb cut ramps on all qualifying streets.

The Long-Range Capital Improvements Program includes over \$565 million dollars in identified, unfunded projects for future bond issue consideration. Several other street projects recently identified by City staff as needing improvements have been included, but current cost estimates have not been developed.

A recap of the budgeted expenditures includes:

	YEAR ONE	YEAR TWO	YEAR THREE
	2012 – 2013	2013 – 2014	2014-2015
TOTAL PROGRAMMED EXPENDITURES:	\$ 65,958,100	\$ 25,100,600	\$ 6,549,400
FUNDING:			
Bond Issue 2008 Proceeds	\$ 33,313,800	\$ 7,538,300	\$ 4,549,400
Bond Issue 2004 Proceeds	\$ 91,400	\$ 0	\$ 0
Community Development Block Grants	\$ 166,500	\$ 0	\$ 0
General Fund	\$ 180,500	\$ 0	\$ 0
Nueces County Contribution	\$ 388,400	\$ 0	\$ 0
Military Revolving Loan	\$ 0	\$ 2,452,400	\$ 0
TOTAL AVAILABLE FUNDS:	\$ 34,140,600	\$ 9,990,700	\$ 4,549,400
RECOMMENDED ADDITIONAL FUNDING			
Commercial Paper/Revenue Bonds	\$ 31,817,500	\$ 10,114,600	\$ 2,000,000
Texas Department of Transportation	\$ 0	\$ 3,996,200	\$ 0
Future Bond Issue	\$ 0	\$ 999,100	\$ 0
TOTAL RECOMMENDED ADDITIONAL FUNDING:	\$ 31,817,500	\$ 15,109,900	\$ 2,000,000
TOTAL PROGRAMMED FUNDS	\$ 65,958,100	\$ 25,100,600	\$ 6,549,400

Streets
Annual CIP: \$65,958.1
(Amounts in 000's)



**STREETS
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
ST 01	Accessible Routes in CDBG Residential Areas, Phase 1 Finance Number: 851109 Engineering Number: E10066	33.5	-	66.5	-	-	66.5
ST 02	Accessible Routes in CDBG Residential Areas, Phase 2 Finance Number: 851209 Engineering Number: E10066	-	-	100.0	-	-	100.0
ST 03	Park Road 22 Bridge Finance Number: 170062 Engineering Number: 6281	1,308.6	-	6,830.4	1,300.0	-	8,130.4
ST 04	Bayfront Development Plan, Phase 3 Finance Number: 170678 Engineering Number: 6511	2,727.8	1,634.0	2,112.2	4,574.4	4,224.4	12,545.0
ST 05	ADA Improvements Finance Number: Various Engineering Number: Various	3,408.5	-	1,591.5	-	-	1,591.5
ST 06	Bear Lane - Old Brownsville Road to SPID Finance Number: 170119 Engineering Number: 6463	7,658.3	381.8	593.4	-	-	975.2
ST 07	Airline Road - Saratoga Boulevard to Rodd Field Road Finance Number: 170322 Engineering Number: 6465	6,953.4	1,768.4	2,237.7	-	-	4,006.1
ST 08	Williams Drive, Phase 1 - Rodd Field to Nile Drive Finance Number: 170323 Engineering Number: 6466	948.6	2,100.7	2,000.0	3,100.0	526.4	7,727.1
ST 09	Williams Drive, Phase 2 - Nile Drive to Airline Road Finance Number: 170324 Engineering Number: 6467	1,171.4	3,243.6	5,286.5	4,576.0	1,798.6	14,904.7

**STREETS
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
ST 10	Staples Street, Phase 1 - Brawner to Barracuda Finance Number: 170077 Engineering Number: 6468	1,007.6	1,753.7	5,604.3	1,700.9	-	9,058.9
ST 11	Staples Street, Phase 2 - Barracuda to Gollihar Finance Number: 170081 Engineering Number: 6469	7,738.5	-	1,800.4	-	-	1,800.4
ST 12	TxDOT Participation Projects Finance Number: 170372 / 170371 Engineering Number: 6471 / 6507	3,959.0	561.1	632.3	7,338.0	-	8,531.4
ST 13	Aquarius Street - Dasmarrinas to Commodores Finance Number: 170221 Engineering Number: 6472	1,430.7	-	190.5	-	-	190.5
ST 14	Street Lighting - City Wide Finance Number: 170666 Engineering Number: 6473	25.1	-	474.9	-	-	474.9
ST 15	Traffic Signals (New & Synchronization) Finance Number: 170381 Engineering Number: 6488	1,367.1	-	20.0	-	-	20.0
ST 16	Kostoryz Road, Phase 1 - Horne to Sunnybrook Finance Number: 170126 Engineering Number: 6489	10,018.9	524.0	20.0	-	-	544.0
ST 17	Kostoryz Road, Phase 2 - Sunnybrook to S.P.I.D. Finance Number: 170121 Engineering Number: 6490	4,456.6	296.0	1,112.8	-	-	1,408.8
ST 18	Wooldridge Road - Rodd Field Road to Quebec Finance Number: 170125 Engineering Number: 6493	3,597.7	311.0	50.0	-	-	361.0

**STREETS
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
ST 19	Staples Street, Phase 1 - Saratoga to Holly Road Finance Number: 170212 Engineering Number: 6494	7,662.0	1,141.5	3,273.1	10.0	-	4,424.6
ST 20	Staples Street, Phase 2 - Holly to Williams Finance Number: 170213 Engineering Number: 6495	4,385.8	1,638.6	1,126.8	48.9	-	2,814.3
ST 21	Up River Road, Rand Morgan to IH-37 (Inside City Limits Only) Finance Number: 170531 Engineering Number: 6496	4,411.5	-	100.0	-	-	100.0
ST 22	Developer Participation Finance Number: Various Engineering Number: Various	1,913.9	-	486.1	-	-	486.1
ST 23	Paving Assessments Finance Number: Various Engineering Number: Various	262.2	-	2,167.8	-	-	2,167.8
ST 24	Buddy Lawrence Drive - Antelope to IH-37 Finance Number: 170673 Engineering Number: 6506	3,182.9	-	100.0	-	-	100.0
ST 25	County Road 69 - County Road 52 to FM 624 Finance Number: 170674 Engineering Number: 6507	1,045.2	-	50.0	-	-	50.0
ST 26	Charles Drive - Leopard to Maple Leaf Finance Number: 170675 Engineering Number: 6508	133.0	429.7	539.1	-	-	968.8
ST 27	Downtown Streets - Chaparral Finance Number: 170677 Engineering Number: 6506	965.2	1,500.0	1,034.8	-	-	2,534.8

**STREETS
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
ST 28	Rodd Field/Yorktown Intersection at Airline Finance Number: 170322 Engineering Number: 6465	104.0	-	3,500.0	-	-	3,500.0
ST 29	Yorktown Extension - Cimarron to Rodd Field Road Finance Number: E10100 Engineering Number: E10100	644.3	-	5,572.9	-	-	5,572.9
ST 30	NAS Entrance Road Finance Number: 170590 Engineering Number: 6282	-	-	-	2,452.4	-	2,452.4

Program Total:		82,521.3	17,284.1	48,674.0	25,100.6	6,549.4	97,608.1
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CURRENTLY AVAILABLE FUNDING:

	Bond Issue 2008 Proceeds	57,628.6	-	33,313.8	7,538.3	4,549.4	45,401.5
	Bond Issue 2004 Proceeds	1,308.6	-	91.4	-	-	91.4
	Texas Department of Transportation	544.0	-	-	-	-	-
	Community Development Block Grants	33.5	-	166.5	-	-	166.5
	Regional Transportation Authority	55.4	-	-	-	-	-
	General Fund	769.5	-	180.5	-	-	180.5
	Military Revolving Loan	-	-	-	2,452.4	-	2,452.4
	Nueces County Contribution	811.6	-	388.4	-	-	388.4
	Commercial Paper/Revenue Bond	21,370.1	-	-	-	-	-

Total Currently Available:		82,521.3	-	34,140.6	9,990.7	4,549.4	48,680.7
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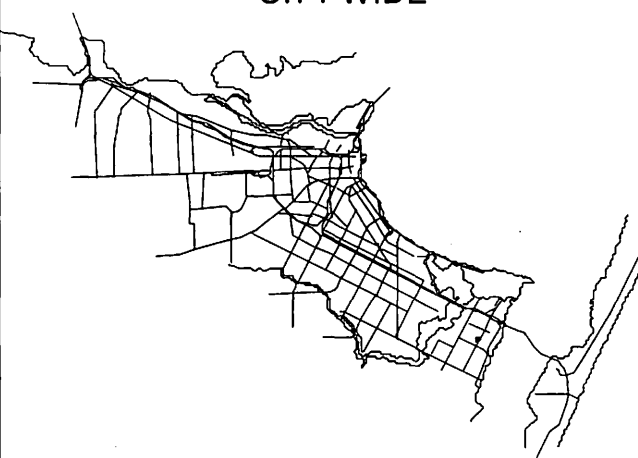
**STREETS
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
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RECOMMENDED ADDITIONAL FUNDING:

	Commercial Paper/Revenue Bond	-	17,284.1	14,533.4	10,114.6	2,000.0	43,932.1
	Texas Department of Transportation	-	-	-	3,996.2	-	3,996.2
	Future Bond Issue	-	-	-	999.1	-	999.1
	Total Funding Source:	82,521.3	17,284.1	48,674.0	25,100.6	6,549.4	97,608.1

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Streets</u></p> <p align="right">Sequence #01</p> <p>PROJECT TITLE: <u>Accessible Routes in CDBG Residential Areas, Phase 1</u> <i>Consistency with the Comprehensive Plan: Policy Statements pp. 25-32; Transportation Master Plan</i></p> <p>DESCRIPTION: This project involves providing accessible routes in Community Development Block Grant (CDBG) residential areas which do not have sidewalks but heavy pedestrian traffic. This project will provide approximately 5,320 linear feet of 4 to 5 foot wide sidewalks and approximately 20 curb ramps along the following streets: Villa from Leopard to Up River Road; Leopard Street from Landcaster to Mueller; Elmore/Brooks/Wilson Lane/Mac Leod Drive; Live Oak from Cenizio to Mueller; and Graham Road from Waldron to Wranosky Park. This project is being designed and constructed with Bond 2008 ADA Improvements Group 3 to save costs and expedite construction.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	33.5		66.5			66.5	Capital Budget Project No: 11001 Engineering Project No: E10066 Finance Project No : 851109 A/E Consultant: CH2MHill Contractor: TBD
TOTAL:	33.5	-	66.5	-	-	66.5	
Source of Funds							
CDBG Funds	33.5		66.5			66.5	Award Design: Fall '11 Award Construction: Summer '12
TOTAL:	33.5	-	66.5	-	-	66.5	Anticipated Completion: Winter '12

OPERATIONAL IMPACT:
 There is no direct operational budget impact with this project, but failure to complete this work could result in the City being sued for non-compliance and loss of Community Development Block Grant funding.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Streets</u></p> <p align="right">Sequence #02</p> <p>PROJECT TITLE: <u>Accessible Routes in CDBG Residential Areas, Phase 2</u> <i>Consistency with the Comprehensive Plan: Policy Statements pp. 25-32; Transportation Master Plan</i></p> <p>DESCRIPTION: This project involves providing accessible routes in Community Development Block Grant (CDBG) residential areas which do not have sidewalks but heavy pedestrian traffic. This project will provide funds for sidewalks for Flour Bluff Drive from SPID to Sun Bird Street (2,630 linear feet) and 7 curb ramps. This project is being designed and constructed with ADA Improvements Bond 2008 Group 3 and Accessible Route in CDBG Residential Areas, Phase 1 to expedite construction and economize on costs.</p>	<p>CITY WIDE</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS			100.0			100.0	Capital Budget Project No: 11001 Engineering Project No: E10066 Finance Project No : 851209 A/E Consultant: CH2MHill
TOTAL:		-	100.0	-	-	100.0	Contractor: TBD
Source of Funds							
CDBG Funds			100.0			100.0	Award Design: April '12 Award Construction: Summer '12
TOTAL:		-	100.0	-	-	100.0	Anticipated Completion: Winter '12

OPERATIONAL IMPACT:
 There is no direct operational budget impact with this project, but failure to complete this work could result in the City being sued for non-compliance and loss of Community Development Block Grant funding.

PROJECT DESCRIPTION

DEPARTMENT: Streets

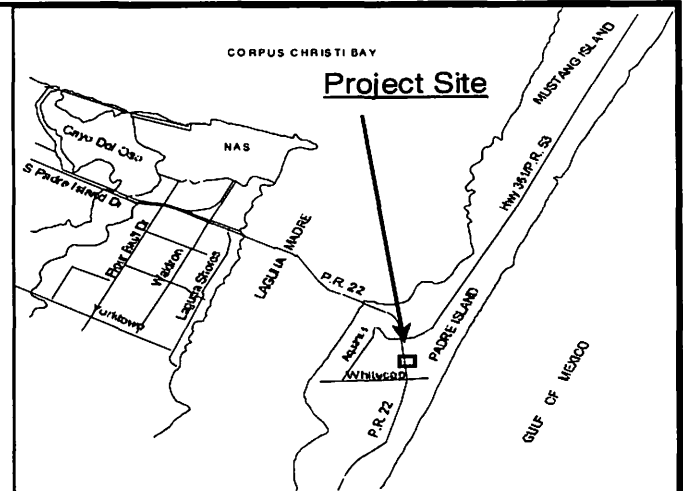
Sequence #03

PROJECT TITLE: Park Road 22 Bridge

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

DESCRIPTION:

This Bond 2004 project will result in the construction of a bridge over Park Road 22 to allow for the exchange of water between the canal systems located in the subdivisions on the east and west side of Park Road 22. The proposed design will provide pedestrian and golf cart passage under Park Road 22, accommodate small boat traffic under the bridge and create conditions for the improvement of water quality in the system. The project plans, specifications, bid and contract documents will be developed in accordance with the requirements of the Texas Department of Transportation (TxDOT). This project is being constructed in TxDOT right-of-way and construction will be let and administered by TxDOT. This is a City Council priority project and construction will utilize any remaining Bond 2008 Street Funds.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	1,308.6		4,491.4	1,200.0		5,691.4	Capital Budget Project No: 05001
STORM WATER			256.0	20.0		276.0	Engineering Project No: 6281
WASTEWATER			1,429.0	40.0		1,469.0	Finance Project No : 170062
WATER			534.0	20.0		554.0	A/E Consultant: Urban Eng.
GAS			120.0	20.0		140.0	
TOTAL:	1,308.6	-	6,830.4	1,300.0	-	8,130.4	Contractor: TBD
Source of Funds							Award Design: October '11
Bond Issue 2004	1,308.6		91.4			91.4	Let Construction: Fall '12
Bond Issue 2008 Reserves			4,400.0	1,200.0		5,600.0	Anticipated Completion: March '14
Commercial Paper/Revenue Bd			2,339.0	100.0		2,439.0	Total Project Value: \$9,439,000
TOTAL:	1,308.6	-	6,830.4	1,300.0	-	8,130.4	

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.

PROJECT DESCRIPTION

DEPARTMENT: Streets

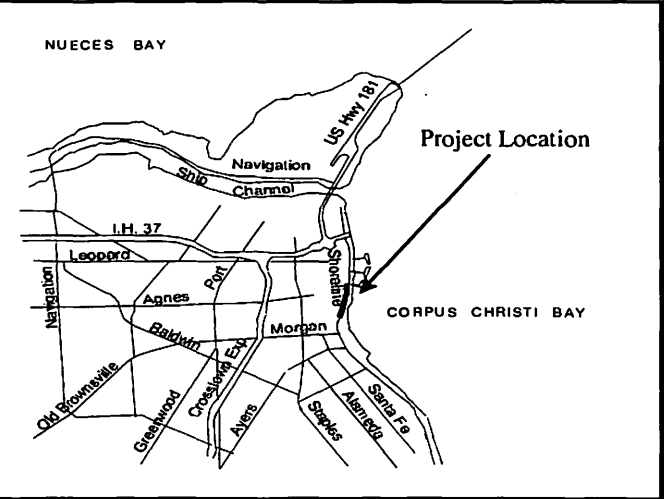
Sequence #04

PROJECT TITLE: Bayfront Development Plan, Phase 3

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

DESCRIPTION:

Phase 3 of the Bayfront Master Plan provides for the relocation of traffic lanes away from the water. The realignment will begin near Cooper's Alley and continue south until the lanes merge back to the current Shoreline alignment south of McGee Beach in the vicinity of Furman and Buford. The realignment will reduce the number of traffic lanes from the current three lanes in each direction to two lanes in each direction. This project will provide a large pedestrian area strongly connected to the water, McGee Beach and Cooper's Alley. It may also include improved access to water features such as the Seawall steps, beach and marina without crossing multiple lanes of traffic; a large public space for community events, concerts, festivals and other special events. This project is being incorporated into the Destination Bayfront concept.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	2,727.8		2,112.2	4,224.4	4,224.4	10,561.0	Capital Budget Project No: 10032 Engineering Project No: 6511 Finance Project No: 170678 A/E Consultant: HDR Contractor: TBD Award Design: June '09 Award Construction: FY 2013 Anticipated Completion: FY 2015 Total Project Value: \$15,272,800
STORM WATER		900.0		250.0		1,150.0	
WASTEWATER		159.6				159.6	
WATER		574.4		100.0		674.4	
TOTAL:	2,727.8	1,634.0	2,112.2	4,574.4	4,224.4	12,545.0	
Source of Funds							
Bond Issue 2008	2,727.8		2,112.2	4,224.4	4,224.4	10,561.0	
Commercial Paper/Revenue Bd		1,634.0		350.0		1,984.0	
TOTAL:	2,727.8	1,634.0	2,112.2	4,574.4	4,224.4	12,545.0	

OPERATIONAL IMPACT:

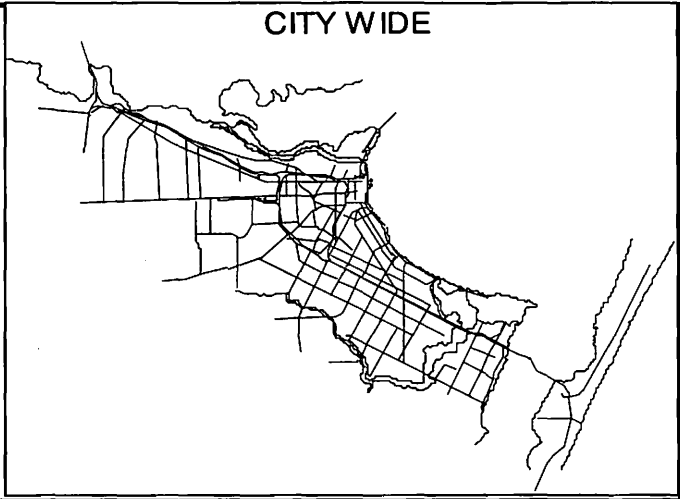
An operational budget impact cannot be determined until a final project scope has been developed, but this project will greatly enhance tourism and economic development in the area.

PROJECT DESCRIPTION

DEPARTMENT: Streets Sequence #05

PROJECT TITLE: ADA Improvements
Consistency with the Comprehensive Plan: Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:
 This project will implement the Americans with Disabilities (ADA) transition plan approved by the Mayor's Committee for Persons with Disabilities (Committee) and City Council, as well as a supplemental list of priority locations presented by the Committee in April 2007. In addition to these priorities, this project will also incorporate locations which are identified in the Regional Transportation Authority (RTA) ADA compliance initiatives for the 2008 Bond Program and other projects as identified and officially authorized in 2009. This project will provide for construction of ADA curb ramps and sidewalks in areas where current street projects are not planned.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	3,408.5		1,591.5			1,591.5	Capital Budget Project No: 10001 Engineering Project No: Various Finance Project No : Various A/E Consultant: Various
TOTAL:	3,408.5	-	1,591.5	-	-	1,591.5	Contractor: Various
Source of Funds							Award Design: Various
Bond Issue 2008	3,408.5		1,591.5			1,591.5	Award Construction: On-Going Anticipated Completion: On-Going
TOTAL:	3,408.5	-	1,591.5	-	-	1,591.5	Total Project Value: \$5,000,000

OPERATIONAL IMPACT:
 There is no direct operational budget impact with this project but failure to complete this work could result in the City being sued for non-compliance.

PROJECT DESCRIPTION

DEPARTMENT: Streets

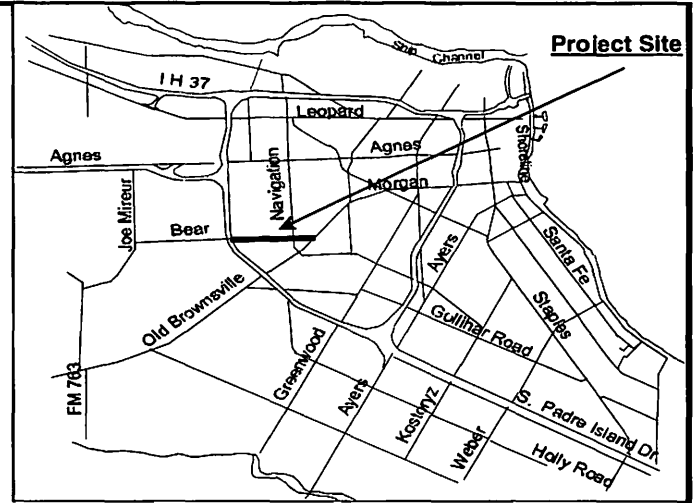
Sequence #06

PROJECT TITLE: Bear Lane - Old Brownsville Road to SPID

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

DESCRIPTION:

This section of Bear Lane will provide safe access to children going to the middle school and new high school in the area. The improvements include complete removal of an existing roadway and the construction of flexible (asphalt) pavement with a concrete (rigid) pavement option for a new 3-lane collector street (two 13.5-foot back to back travel lanes and one 14-foot continuous turning lane) with 8-foot concrete sidewalks and associated pavement markings and signage improvements; along with storm water conduit improvements, waterline improvements, cured-in-place pipe sanitary sewer line rehabilitation, five (5) sanitary sewer manhole rehabilitations and two (2) new sanitary sewer manholes. **Note: These are Interim improvements for a three-lane "C2" Collector however the ultimate design as specified in the Transportation Master Plan calls for an "A1" 95 foot Arterial right-of-way width with four lanes of travel and one center continuous center lane.**



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	3,606.5		593.4			593.4	Capital Budget Project No: 10002 Engineering Project No: 6463 Finance Project No : 170119 A/E Consultant: CRG Contractor: Haas Anderson Construction Award Design: August '09 Award Construction: June '11 Anticipated Completion: April '13 Total Project Value: \$8,633,500
STORM WATER	2,540.2	53.4				53.4	
WASTEWATER	436.7	150.0				150.0	
WATER	1,039.5	100.0				100.0	
GAS	35.4	78.4				78.4	
TOTAL:	7,658.3	381.8	593.4	-	-	975.2	
Source of Funds							
Bond Issue 2008	3,606.5		593.4			593.4	
Commercial Paper/Revenue Bd	4,051.8	381.8				381.8	
TOTAL:	7,658.3	381.8	593.4	-	-	975.2	

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will replace aging utilities where applicable, improve the quality of the road for residents and provide a safer access to the school for students.

PROJECT DESCRIPTION

DEPARTMENT: Streets

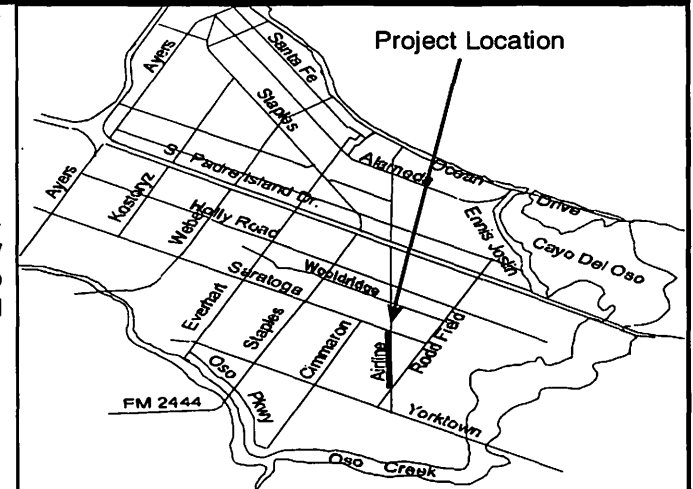
Sequence #07

PROJECT TITLE: Airline Road - Saratoga Boulevard to Rodd Field Road

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

DESCRIPTION:

The Airline Road Project includes the full reconstruction of Airline Road from Saratoga Boulevard to Rodd Field Road. This project includes the reconstruction and widening of the existing unimproved two lane roadway to a five lane roadway with four travel lanes and a continuous left turn lane. Other improvements include curb and gutter, sidewalks, ADA curb ramps, lane striping and pavement markings, and street lighting. Associated utility systems will be relocated, rehabilitated or replaced as appropriate within the project limits.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	5,812.3		2,237.7			2,237.7	Capital Budget Project No: 10004 Engineering Project No: 6465 Finance Project No : 170322 A/E Consultant: HDR Contractor: Haas Anderson Construction Award Design: March '09 Award Construction: September '11 Anticipated Completion: June '13 Total Project Value: \$10,959,500
STORM WATER	437.9	1,613.6				1,613.6	
WASTEWATER	222.8	92.3				92.3	
WATER	470.2	62.5				62.5	
GAS	10.2						
TOTAL:	6,953.4	1,768.4	2,237.7	-	-	4,006.1	
Source of Funds							
Bond Issue 2008	5,812.3		2,237.7			2,237.7	
Commercial Paper/Revenue Bd	1,141.1	1,768.4				1,768.4	
TOTAL:	6,953.4	1,768.4	2,237.7	-	-	4,006.1	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

DEPARTMENT: Streets

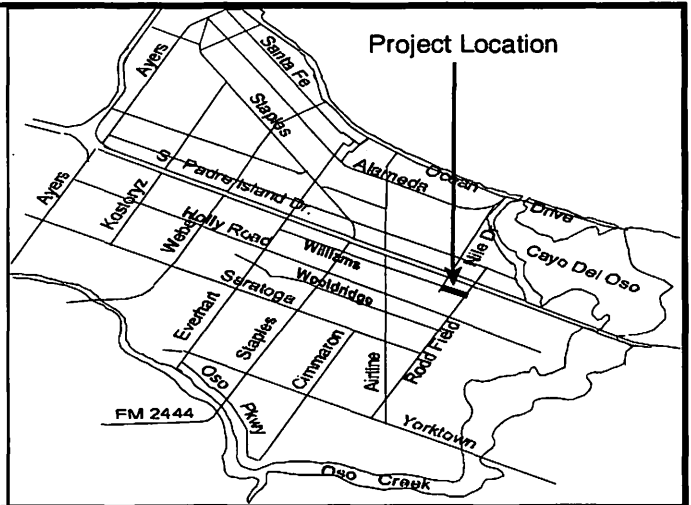
Sequence #08

PROJECT TITLE: Williams Drive, Phase 1 - Rodd Field Road to Nile Drive

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

DESCRIPTION:

This project includes the reconstruction and widening of the existing unimproved two lane roadway to a five lane roadway with four travel lanes and a continuous left turn lane. Other improvements include: curb and gutter, sidewalks, ADA curb ramps, lane striping, pavement markings, and street lighting.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	948.6		1,000.0	300.0	226.4	1,526.4	Capital Budget Project No: 10005 Engineering Project No: 6466 Finance Project No: 170323 A/E Consultant: RVE, Inc. Contractor: TBD Award Design: May '10 Award Construction: June '12 Anticipated Completion: January '15 Total Project Value: \$8,675,700
STORM WATER		1,233.8	1,000.0	2,000.0	300.0	4,533.8	
WASTEWATER		531.4		700.0		1,231.4	
WATER		325.5		100.0		425.5	
GAS		10.0				10.0	
TOTAL:	948.6	2,100.7	2,000.0	3,100.0	526.4	7,727.1	
Source of Funds							
Bond Issue 2008	948.6		1,000.0	300.0	226.4	1,526.4	
Commercial Paper/Revenue Bd		2,100.7	1,000.0	2,800.0	300.0	6,200.7	
TOTAL:	948.6	2,100.7	2,000.0	3,100.0	526.4	7,727.1	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Streets</u></p> <p align="right">Sequence #09</p> <p>PROJECT TITLE: <u>Williams Drive, Phase 2 - Nile Drive to Airline Road</u> <i>Consistency with the Comprehensive Plan: Policy Statements pp. 25-32; Transportation Master Plan</i></p> <p>DESCRIPTION: This section of Williams Drive will provide safe access for children going to the school in the area. The improvements will include a four-lane roadway with two travel lanes and left turn lane where necessary. Other improvements include: curb and gutter, sidewalks, ADA curb ramps, lane striping and pavement markings, and street lighting.</p>	
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	1,171.4		4,000.0	200.0	98.6	4,298.6	Capital Budget Project No: 10006 Engineering Project No: 6467 Finance Project No : 170324 A/E Consultant: Naismith Contractor: TBD Award Design: May '10 Award Construction: June '12 Anticipated Completion: January '15 Total Project Value: \$16,078,500
STORM WATER		1,713.5	1,286.5	3,511.8	1,500.0	8,011.8	
WASTEWATER		758.7		479.2	100.0	1,337.9	
WATER		761.4		385.0	100.0	1,246.4	
GAS		10.0				10.0	
TOTAL:	1,171.4	3,243.6	5,286.5	4,576.0	1,798.6	14,904.7	
Source of Funds							
Bond Issue 2008	1,171.4		4,000.0	200.0	98.6	4,298.6	
Commercial Paper/Revenue Bd		3,243.6	1,286.5	4,376.0	1,700.0	10,606.1	
TOTAL:	1,171.4	3,243.6	5,286.5	4,576.0	1,798.6	14,904.7	

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

PROJECT DESCRIPTION

DEPARTMENT: Streets

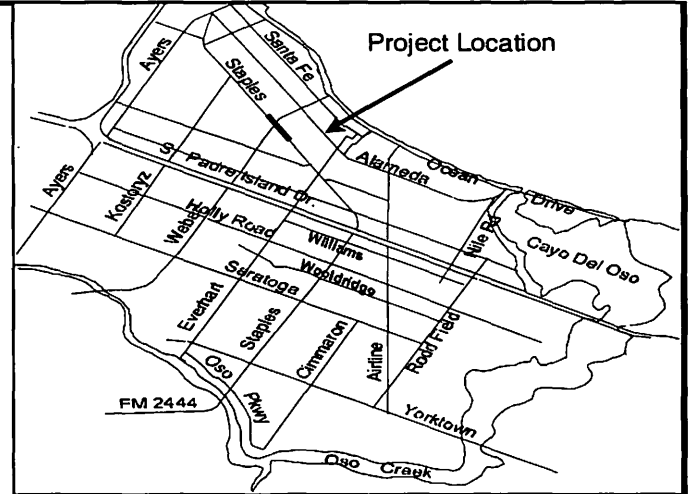
Sequence #10

PROJECT TITLE: South Staples Street, Phase 1 - Brawner Parkway to Barracuda Drive

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

DESCRIPTION:

These proposed improvements include the complete reconstruction of a five-lane roadway including two travel lanes on both sides and continuous left turn lane. Additional improvements will include: curb and gutter, sidewalks, ADA curb ramps, lane striping and pavement markings, and street lighting. This project is being phased to cause the least amount of disruption to vehicular traffic and area residents.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	457.0		3,948.0	1,555.0		5,503.0	Capital Budget Project No: 10007 Engineering Project No: 6468 Finance Project No : 170077 A/E Consultant: LNV Contractor: Reytec Award Design: May '10 Award Construction: May '12 Anticipated Completion: January '13 Total Project Value: \$10,066,500
STORM WATER	255.2	1,491.1	608.9	110.5		2,210.5	
WASTEWATER	205.0	106.1	293.9	5.2		405.2	
WATER	90.4	146.5	753.5	29.2		929.2	
GAS		10.0	-	1.0		11.0	
TOTAL:	1,007.6	1,753.7	5,604.3	1,700.9	-	9,058.9	
Source of Funds							
Bond Issue 2008	457.0		3,948.0	1,555.0		5,503.0	
Commercial Paper/Revenue Bd	550.6	1,753.7	1,656.3	145.9		3,555.9	
TOTAL:	1,007.6	1,753.7	5,604.3	1,700.9	-	9,058.9	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

DEPARTMENT: Streets

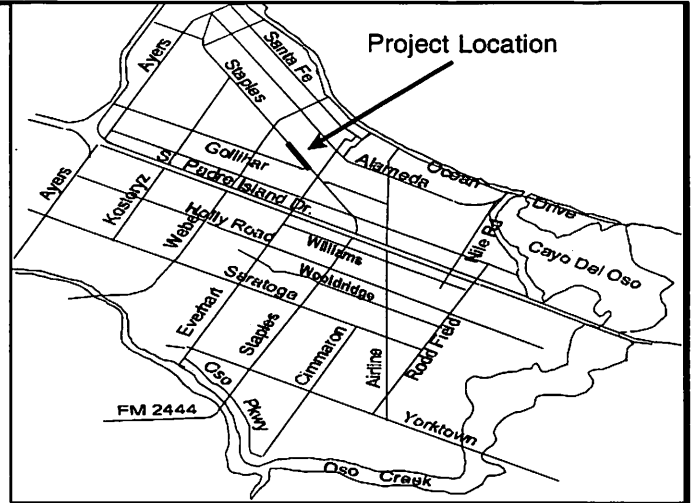
Sequence #11

PROJECT TITLE: South Staples Street, Phase 2 - Barracuda Drive to Gollihar Road

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

DESCRIPTION:

These improvements include the complete reconstruction of a five-lane roadway including two travel lanes on both sides and continuous left turn lane. Additional improvements will include: curb and gutter, sidewalks, ADA curb ramps, lane striping and pavement markings, and street lighting. This project is being phased to cause the least amount of disruption to vehicular traffic and area residents. **Note: Under construction and is scheduled to be completed July 2012.**



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	4,749.6		1,800.4			1,800.4	Capital Budget Project No: 10008 Engineering Project No: 6469 Finance Project No : 170081
STORM WATER	2,121.9						A/E Consultant: LNV
WASTEWATER	326.1						Contractor: Texas Sterling
WATER	532.5						Award Design: May '10
GAS	8.4						Award Construction: March '11
TOTAL:	7,738.5	-	1,800.4	-	-	1,800.4	Anticipated Completion: July '12 Total Project Value: \$9,538,900
Source of Funds							
Bond Issue 2008	4,749.6		1,800.4			1,800.4	
Commercial Paper/Revenue Bd	2,988.9						
TOTAL:	7,738.5	-	1,800.4	-	-	1,800.4	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

DEPARTMENT: Streets

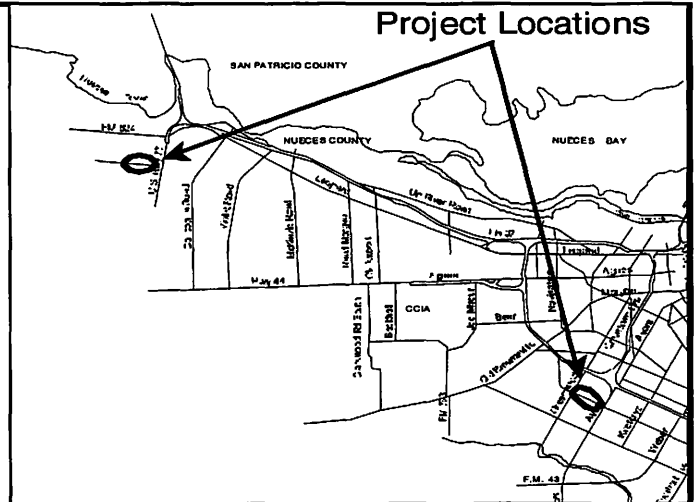
Sequence #12

PROJECT TITLE: TXDOT Participation Projects

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

DESCRIPTION:

Funds allocated to contribute City's portion of Texas Department of Transportation (TxDOT)/Metropolitan Planning Organization (MPO) identified projects with matching Federal funds (80% Fed/20% City). Also includes funds needed for adjustment of City utilities required by TxDOT construction projects, as they are identified.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	3,685.5		458.4	4,995.3		5,453.7	Capital Budget Project No: 10009 Engineering Project No: 6471 / 6507 Finance Project No: 170372, /170371 COUNTY ROAD 52 NOTES: A/E Consultant: Maverick Engineering Contractor: Bay, Ltd. Award Design: December '09 Award Construction: June '11 Anticipated Completion: September '12
STORM WATER	240.3	184.0	1.0	855.8		1,040.8	
WASTEWATER		193.1	6.9	549.1		749.1	
WATER	33.2	184.0	116.0	837.8		1,137.8	
GAS			50.0	100.0		150.0	
TOTAL:	3,959.0	561.1	632.3	7,338.0	-	8,531.4	
Source of Funds							
Bond Issue 2008	2,329.9		70.0			70.0	
Future Bond Issue				999.1		999.1	
Texas Dept. of Transportation	544.0			3,996.2		3,996.2	
Commercial Paper/Revenue Bd	273.5	561.1	173.9	2,342.7		3,077.7	
Nueces County Contribution	811.6		388.4			388.4	
TOTAL:	3,959.0	561.1	632.3	7,338.0	-	8,531.4	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

DEPARTMENT: Streets

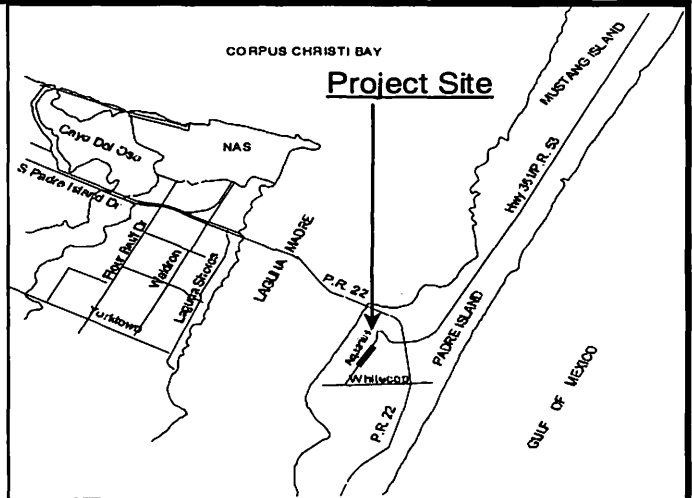
Sequence #13

PROJECT TITLE: Aquarius Street - Dasmarias Drive to Commodores Drive

Consistency with the Comprehensive Plan: Policy Statements pp. 25-32; 37, 38, 45 & 46; Transportation Master Plan

DESCRIPTION:

This was originally a Bond 2008 Street project, but the City Council elected to use General Fund reserves to construct the street as follows. The new Aquarius right of way is a total of 80 feet wide. The street will be constructed with both boulevard and standard sections. The boulevard section consists of an 18 foot median with two 16 foot street sections (curb back to curb back) and 15 foot wide green/sidewalk area between the curb and property line on both sides of the street. The standard section has a single street section of 40 foot width (curb back to curb back) and a 20 foot wide area between the curb and property line on both sides of the street. Both sections will include an 8 foot wide sidewalk on one side of the street. **Note: This project is nearing completion.**



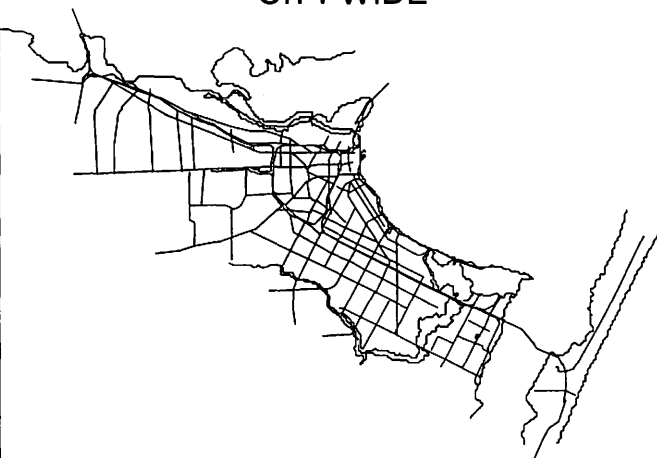
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	769.5		180.5			180.5	Capital Budget Project No: 10010 Engineering Project No: 6472 Finance Project No: 170221 A/E Consultant: Urban Eng. Contractor: Haas Anderson Construction Award Design: June '10 Award Construction: November '11 Anticipated Completion: August '12 Total Project Value: \$1,621,200
STORM WATER	162.9						
WASTEWATER	232.5						
WATER	265.8						
GAS			10.0			10.0	
TOTAL:	1,430.7	-	190.5	-	-	190.5	
Source of Funds							
General Fund Reserves	769.5		180.5			180.5	
Commercial Paper/Revenue Bd	661.2		10.0			10.0	
TOTAL:	1,430.7	-	190.5	-	-	190.5	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Streets</u></p> <p align="right">Sequence #14</p> <p>PROJECT TITLE: Street Lighting - City Wide <i>Consistency with the Comprehensive Plan: Policy Statements pp. 25-32</i></p> <p>DESCRIPTION: This project will upgrade and install additional street lighting in residential areas and along arterial and collector streets city-wide. Improvements will principally consist of: replacing existing mercury-vapor street lighting with higher-intensity, more efficient high pressure sodium vapor lighting; adding new street lights on residential streets to improve light spacing; installing new and improved continuous street lighting along selected arterial and collector streets; and installing new area lighting as necessary for public safety. This project will be designed and managed by the City's Traffic Engineering Department.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	25.1		474.9			474.9	Capital Budget Project No: 10011 Engineering Project No: 6473 Finance Project No : 170666 A/E Consultant: N/A
TOTAL:	25.1	-	474.9	-	-	474.9	Contractor: TBD
Source of Funds							Award Design: On-Going
Bond Issue 2008	25.1		474.9			474.9	Award Construction: On-Going
TOTAL:	25.1	-	474.9	-	-	474.9	Anticipated Completion: On-Going Total Project Value: \$500,000

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 DESCRIPTION

DEPARTMENT: Streets

Sequence #15

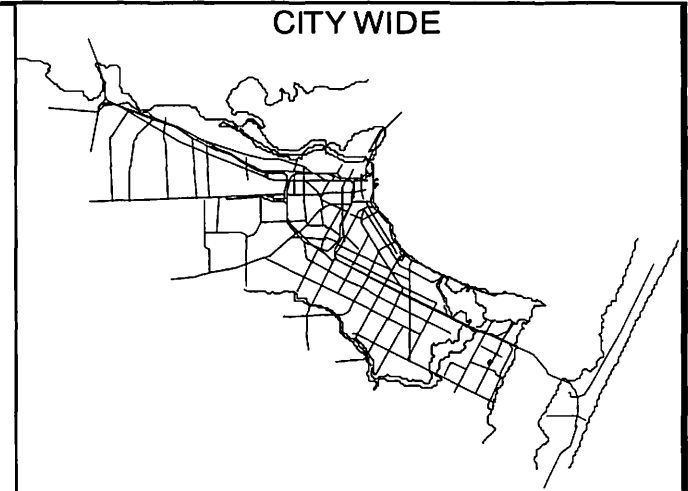
CITY WIDE

PROJECT TITLE: Traffic Signals (New & Synchronization)

Consistency with the Comprehensive Plan: Policy Statements pp. 25-33

DESCRIPTION:

Some intersections are currently signalized and controlled by a span wire signal head system. A span wire system cannot accommodate pedestrian traffic light control due to the lack of a push button signal operation. Also, these intersections would need to be ADA compliant, new LED signal heads mounted on mast arms, underground conduit, video detection (VIVDS) for signal operation and illuminated street signage. Upgrading these signals along with synchronization city-wide would enhance traffic safety as well as improve traffic operations. This project will be designed and managed by the City's Traffic Engineering Department.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	1,367.1		20.0			20.0	Capital Budget Project No: 10014 Engineering Project No: 6488 Finance Project No : 170381 A/E Consultant: HDR
TOTAL:	1,367.1	-	20.0	-	-	20.0	Contractor: Various
Source of Funds							Award Design: N/A
Bond Issue 2008	1,367.1		20.0			20.0	Award Construction: On-Going Anticipated Completion: On-Going
TOTAL:	1,367.1	-	20.0	-	-	20.0	Total Project Value: \$1,387,100

OPERATIONAL IMPACT:

At this time it is not possible to determine the operational impact due to this project, but outdated, expensive signals will be replaced with more efficient systems which are cost effective and new systems will provide better public safety measures.

PROJECT DESCRIPTION

DEPARTMENT: Streets

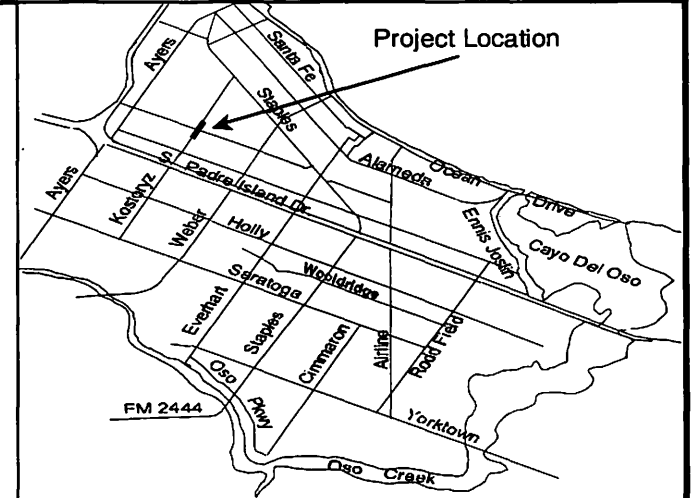
Sequence #16

PROJECT TITLE: Kostoryz Road, Phase 1 - Horne Road to Sunnybrook Drive

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

DESCRIPTION:

This project consists of the reconstruction and widening of Kostoryz Road to include a new center turning lane in areas where right-of-way allows and four lanes of traffic. Other improvements include: curb and gutter, sidewalks, ADA curb ramps, lane striping and pavement markings, and street lighting. This new section of roadway is being constructed within its existing right-of-way. This project is being phased with Kostoryz Road Phase 2 to create the least amount of disruption to vehicular traffic and area citizens. **Note: This project is currently under construction and is scheduled to be completed December 2013.**



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	5,431.9		20.0			20.0	
STORM WATER	3,289.8	330.0				330.0	
WASTEWATER	947.4	94.0				94.0	
WATER	349.8	100.0				100.0	
TOTAL:	10,018.9	524.0	20.0	-	-	544.0	
Source of Funds							
Bond Issue 2008	5,397.2		20.0			20.0	
Commercial Paper/Revenue Bd	4,587.0	524.0				524.0	
Regional Transportation Authority	34.7						
TOTAL:	10,018.9	524.0	20.0	-	-	544.0	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

DEPARTMENT: <u>Streets</u>	Sequence #17
PROJECT TITLE: <u>Kostoryz Road, Phase 2 - Sunnybrook Drive to South Padre Island Drive</u> <i>Consistency with the Comprehensive Plan: Policy Statements pp. 25-32; Transportation Master Plan</i>	
DESCRIPTION: This project consists of the reconstruction and widening of Kostoryz Road to include a new center turning lane in areas where existing right of way allows and four lanes of traffic. Other improvements include: curb and gutter, sidewalks, ADA curb ramps, lane striping and pavement markings, and street lighting. The proposed section can be constructed within its existing right of way. This project is being constructed and phased with Kostoryz Road Phase 1 to create the least amount of disruption to vehicular traffic and area citizens. Note: This project is currently under construction and is scheduled to be completed December 2013.	

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	2,007.9		1,112.8			1,112.8	Capital Budget Project No: 10016 Engineering Project No: 6490 Finance Project No: 170121 A/E Consultant: CH2M Hill Contractor: Texas Sterling Construction Award Design: April '09 Award Construction: January '11 Anticipated Completion: December '13 Total Project Value: \$5,865,400
STORM WATER	1,478.1	150.0				150.0	
WASTEWATER	661.7	66.0				66.0	
WATER	308.9	60.0				60.0	
GAS		20.0				20.0	
TOTAL:	4,456.6	296.0	1,112.8	-	-	1,408.8	
Source of Funds							
Bond Issue 2008	1,987.2		1,112.8			1,112.8	
Commercial Paper/Revenue Bd	2,448.7	296.0				296.0	
Regional Transportation Authority	20.7						
TOTAL:	4,456.6	296.0	1,112.8	-	-	1,408.8	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

DEPARTMENT: Streets

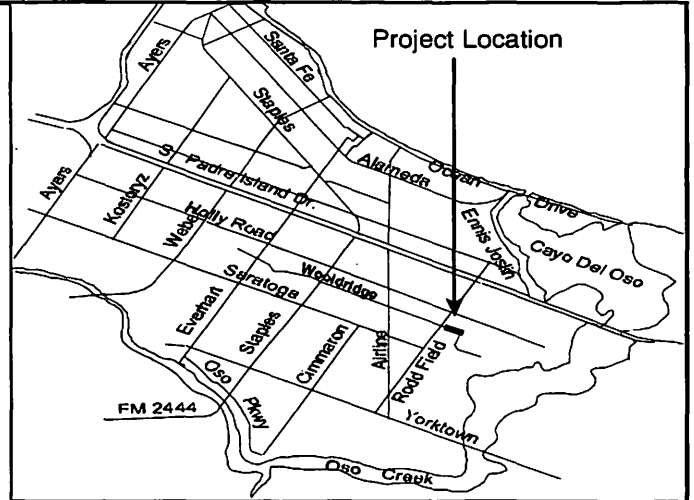
Sequence #18

PROJECT TITLE: Wooldridge Road - Rodd Field Road to Quebec Drive

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

DESCRIPTION:

This section of Wooldridge Road has increased traffic due to new subdivision development. The proposed improvements will include: a three-lane roadway with two travel lanes and continuous left turn lane. Other improvements include: curb and gutter, sidewalks, ADA curb ramps, lane striping, pavement markings, and street lighting. **Note: These are interim improvements scheduled for completion in January 2013. The ultimate road section as identified by the Transportation Master Plan and will be constructed when adequate traffic warrants are attained.**



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	1,675.4		50.0			50.0	Capital Budget Project No: 10019 Engineering Project No: 6493 Finance Project No: 170125 A/E Consultant: LNV Contractor: Grace Paving Award Design: November '09 Award Construction: March '12 Anticipated Completion: January '13 Total Project Value: \$3,958,700
STORM WATER	1,238.9	200.0				200.0	
WASTEWATER	368.0	50.0				50.0	
WATER	315.4	50.0				50.0	
GAS		11.0				11.0	
TOTAL:	3,597.7	311.0	50.0	-	-	361.0	
Source of Funds							
Bond Issue 2008	1,675.4		50.0			50.0	
Commercial Paper/Revenue Bd	1,922.3	311.0				311.0	
TOTAL:	3,597.7	311.0	50.0	-	-	361.0	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

DEPARTMENT: Streets

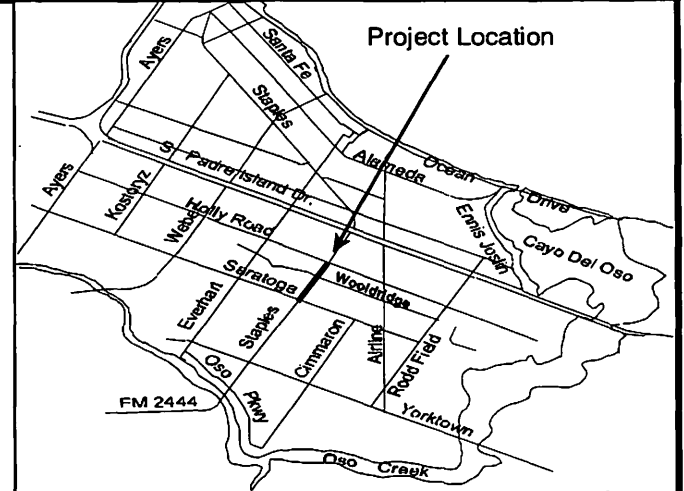
Sequence #19

PROJECT TITLE: SouthStaples Street, Phase 1 - Saratoga Boulevard to Holly Road

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

DESCRIPTION:

Staples Street has become one of the major connectors from SPID to the City's rapidly developing Southside area. These proposed improvements include the complete reconstruction of a five-lane roadway including two travel lanes on both sides and continuous left turn lane. Other improvements include: curb and gutter, sidewalks, ADA curb ramps, lane striping, pavement markings, and street lighting. This project is being phased to cause the least amount of disruption to vehicular traffic and area residents. **Note: Right-of-way has been purchased, contract has been let and construction is scheduled to be completed September 2013.**



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	6,819.9		20.1	10.0		30.1	Capital Budget Project No: 10020
STORM WATER	401.8	496.1	2,083.8			2,579.9	Engineering Project No: 6494
WASTEWATER	36.7	109.6	417.7			527.3	Finance Project No: 170212
WATER	403.6	516.8	751.5			1,268.3	A/E Consultant: Freese-Nichols
GAS		19.0				19.0	
TOTAL:	7,662.0	1,141.5	3,273.1	10.0	-	4,424.6	Contractor: Bay, Ltd.
Source of Funds							Award Design: June '09
Bond Issue 2008	6,819.9		20.1	10.0		30.1	Award Construction: December '11
Commercial Paper/Revenue Bd	842.1	1,141.5	3,253.0			4,394.5	Anticipated Completion: September '13
TOTAL:	7,662.0	1,141.5	3,273.1	10.0	-	4,424.6	Total Project Value: \$12,086,600

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

DEPARTMENT: Streets

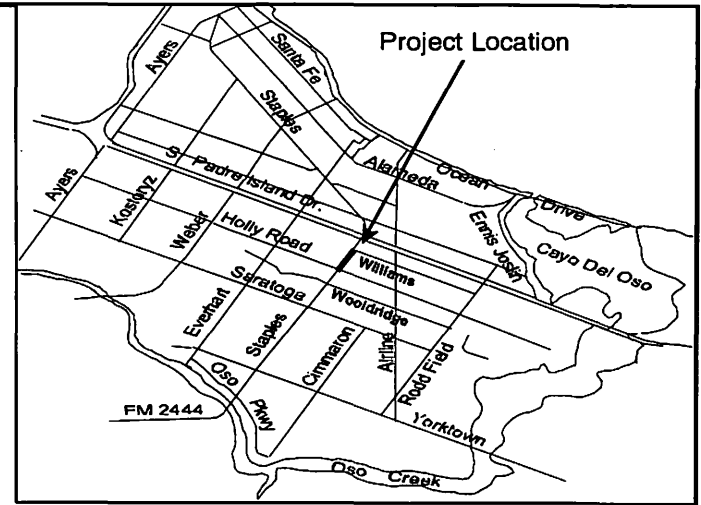
Sequence #20

PROJECT TITLE: South Staples Street, Phase 2 - Holly Road to Williams Drive

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

DESCRIPTION:

Staples Street has become one of the major connectors from SPID to the City's rapidly developing Southside area. These proposed improvements include the complete reconstruction of a five-lane roadway including two travel lanes on both sides and continuous left turn lane. Other improvements include: curb and gutter, sidewalks, ADA curb ramps, lane striping, pavement markings, and street lighting. This project is being phased to cause the least amount of disruption to vehicular traffic and area residents. **Note: This project is currently under construction and is scheduled to be completed September 2013.**



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	4,001.1		200.0	48.9		248.9	Capital Budget Project No: 10021 Engineering Project No: 6495 Finance Project No: 170213 A/E Consultant: Freese-Nichols Contractor: Bay, Ltd. Award Design: June '09 Award Construction: December '11 Anticipated Completion: September '13 Total Project Value: \$7,200,100
STORM WATER	161.3	839.8	231.4			1,071.2	
WASTEWATER	131.6	587.5	443.3			1,030.8	
WATER	91.8	211.3	252.1			463.4	
GAS							
TOTAL:	4,385.8	1,638.6	1,126.8	48.9	-	2,814.3	
Source of Funds							
Bond Issue 2008	4,001.1		200.0	48.9		248.9	
Commercial Paper/Revenue Bd	384.7	1,638.6	926.8			2,565.4	
TOTAL:	4,385.8	1,638.6	1,126.8	48.9	-	2,814.3	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Streets</u> Sequence #21</p> <p>PROJECT TITLE: <u>Up River Road - Rand Morgan Road to IH - 37 (Inside City Limits Only)</u> <i>Consistency with the Comprehensive Plan: Policy Statements pp. 25-32; Transportation Master Plan</i></p> <p>DESCRIPTION: Sections of Up River Road included in this project parallel IH-37 on its Northside. This road provides access to area refineries and is used as an industrial road. The improvements under construction include repairs of existing base failures. The roadway design will stay as a two lane rural section, but will be upgraded for high industrial load rating. Negotiations with the area refineries have resulted in their being responsible for providing the hot mix asphalt for completion of this project. Note: This project is currently under construction and is scheduled for completion March 2013.</p>	<p align="center">Project Location</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	4,343.8		100.0			100.0	Capital Budget Project No: 10022 Engineering Project No: 6496 Finance Project No: 170531 A/E Consultant: Maverick Engineering Contractor: Haas Anderson Construction Award Design: April '09 Award Construction: April '11 Anticipated Completion: March '13 Total Project Value: \$4,511,500
STORM WATER							
WASTEWATER	67.7						
WATER							
GAS							
TOTAL:	4,411.5	-	100.0	-	-	100.0	
Source of Funds							
Bond Issue 2008	4,343.8		100.0			100.0	
Commercial Paper/Revenue Bd	67.7						
TOTAL:	4,411.5	-	100.0	-	-	100.0	

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

PROJECT DESCRIPTION

DEPARTMENT: Streets

Sequence #22

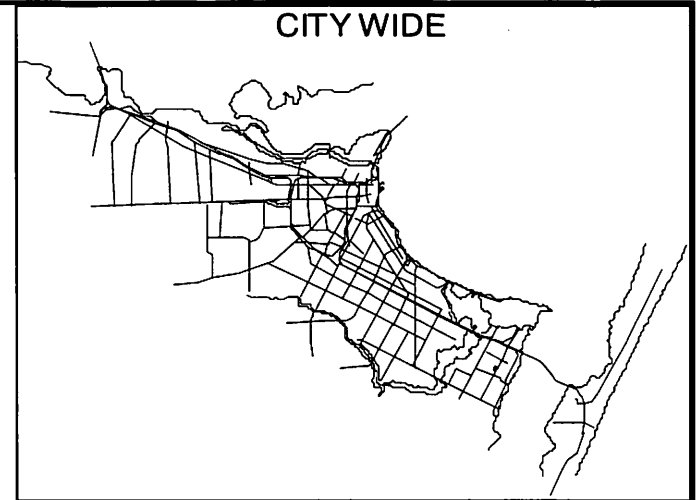
CITY WIDE

PROJECT TITLE: Developer Participation

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

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 bridge construction across drainage channels. This project will provide for the City's share of such projects as necessary up to the approved amount.




FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	1,913.9		486.1			486.1	Capital Budget Project No: 10023 Engineering Project No: 6497 Finance Project No: Various A/E Consultant: N/A
TOTAL:	1,913.9	-	486.1	-	-	486.1	Contractor: N/A
Source of Funds							Award Design: N/A
Bond Issue 2008	1,913.9		486.1			486.1	Award Construction: N/A Anticipated Completion: N/A
TOTAL:	1,913.9	-	486.1	-	-	486.1	Total Project Value: \$2,400,000

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will provide for heavier pavement sections and bridge construction across drainage channels as a benefit to the public.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Streets</u></p> <p align="right">Sequence #23</p> <p>PROJECT TITLE: <u>Paving Assessments</u> <i>Consistency with the Comprehensive Plan: Policy Statements pp. 25-32; Transportation Master Plan</i></p> <p>DESCRIPTION: This program provides for reconstructing neighborhood streets to include new pavement, curb & gutter, sidewalks and driveways. The improvements are petitioned by adjacent property owners who are assessed a portion of the cost. Qualified petitions are addressed in the order of complete packages received. Proposed assessment projects could include: Clair Drive from McArdele to SPID; Ivy Lane from Horne to Gollihar; and Vaky from Swantner to Reid.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	262.2		1,967.8			1,967.8	Capital Budget Project No: 10026 Engineering Project No: Various Finance Project No: Various A/E Consultant: MGM Contractor: TBD Award Design: December '09 Award Construction: August '12 Anticipated Completion: July '13 Total Project Value: \$2,430,000
WASTEWATER			200.0			200.0	
TOTAL:	262.2	-	2,167.8	-	-	2,167.8	
Source of Funds							
Bond Issue 2008	262.2		1,967.8			1,967.8	
Commercial Paper/Revenue Bd			200.0			200.0	
TOTAL:	262.2	-	2,167.8	-	-	2,167.8	

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project joins with citizens in helping them improve their streets and sidewalks.

PROJECT DESCRIPTION

DEPARTMENT: **Streets**

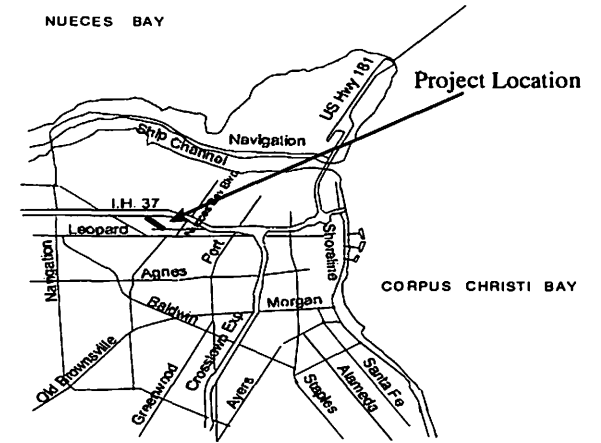
Sequence #24

PROJECT TITLE: Buddy Lawrence Drive - Antelope to IH-37

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

DESCRIPTION:

This project consists of street reconstruction of the existing unimproved two lane roadway to a functional collector roadway with two continuous travel lanes with parking lanes on both sides. Other improvements include: curb and gutter, sidewalks, ADA curb ramps, lane striping and pavement markings, and street lighting. **Note: This project is currently under construction and is scheduled for completion September 2012.**



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	1,804.5		100.0			100.0	Capital Budget Project No: 10027 Engineering Project No: 6506 Finance Project No: 170673 A/E Consultant: CRG Contractor: Bay, Ltd. Award Design: May '10 Award Construction: September '11 Anticipated Completion: September '12 Total Project Value: \$3,282,900
STORM WATER	921.7						
WASTEWATER	360.7						
WATER	92.1						
GAS	3.9						
TOTAL:	3,182.9	-	100.0	-	-	100.0	
Source of Funds							
Bond Issue 2008	1,804.5		100.0			100.0	
Commercial Paper/Revenue Bd	1,378.4						
TOTAL:	3,182.9	-	100.0	-	-	100.0	

OPERATIONAL IMPACT:

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

PROJECT DESCRIPTION

DEPARTMENT: **Streets**

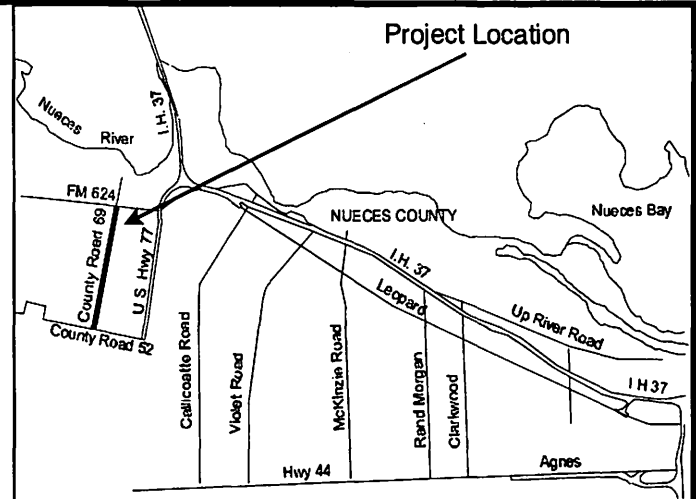
Sequence #25

PROJECT TITLE: County Road 69 - County Road 52 to FM 624

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

DESCRIPTION:

With improvements to County Road 52 from US 77 to County Road 69, the traffic on this stretch of roadway going to FM 624 will increase. Improvements to this section of CR 69 will include the reconstruction of existing roadway and repairs of base failures. The improved road section will carry heavier traffic but will be designed as a rural road section. **Note: This project is currently under construction and is scheduled for completion August 2012.**



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	1,045.2		50.0			50.0	Capital Budget Project No: 10028 Engineering Project No: 6507 Finance Project No: 170674 A/E Consultant: Maverick Engineering
TOTAL:	1,045.2	-	50.0	-	-	50.0	Contractor: Bay, Ltd.
Source of Funds							Award Design: June '10
Bond Issue 2008	1,045.2		50.0			50.0	Award Construction: June '11
TOTAL:	1,045.2	-	50.0	-	-	50.0	Anticipated Completion: August '12 Total Project Value: \$1,092,200

OPERATIONAL IMPACT:

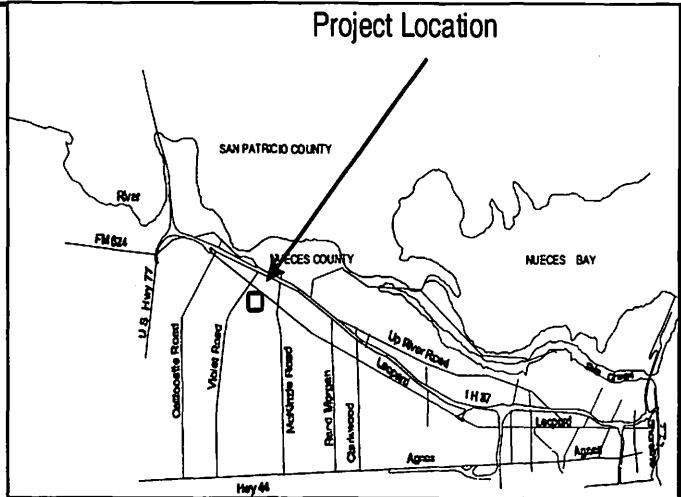
There is no direct operational budget impact, but this project will replace aging utilities were applicable, widen the road to accommodate heavier traffic flows and provide a safer driving route.

PROJECT DESCRIPTION

DEPARTMENT: Streets Sequence #26

PROJECT TITLE: Charles Drive - Leopard Street to Maple Leaf Drive
Consistency with the Comprehensive Plan: Policy Statements pp. 25-32; Transportation Master Plan

DESCRIPTION:
 This section of Charles Drive will provide much-needed access to the new Tuloso-Midway Elementary School from leopard Street. The project includes the reconstruction and widening of the existing unimproved two land roadway to a functional collector street with two travel lanes and parking lanes on both sides. Other improvements include: curb and gutter, sidewalks, ADA curb ramps, lane striping, pavement markings, and street lighting.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	60.9		539.1			539.1	Capital Budget Project No: 10029 Engineering Project No: 6508 Finance Project No: 170675 A/E Consultant: Bass & Welch Contractor: TBD Award Design: April '10 Award Construction: August '12 Anticipated Completion: April '13 Total Project Value: \$1,101,800
STORM WATER	56.3	292.7				292.7	
WASTEWATER	8.4	76.4				76.4	
WATER	7.4	52.6				52.6	
GAS		8.0				8.0	
TOTAL:	133.0	429.7	539.1	-	-	968.8	
Source of Funds							
Bond Issue 2008	60.9		539.1			539.1	
Commercial Paper/Revenue Bd	72.1	429.7				429.7	
TOTAL:	133.0	429.7	539.1	-	-	968.8	

OPERATIONAL IMPACT:

There is no direct operational budget impact, but this project will reconstruct an aging county road for better travel and safety.

PROJECT DESCRIPTION

DEPARTMENT: Streets

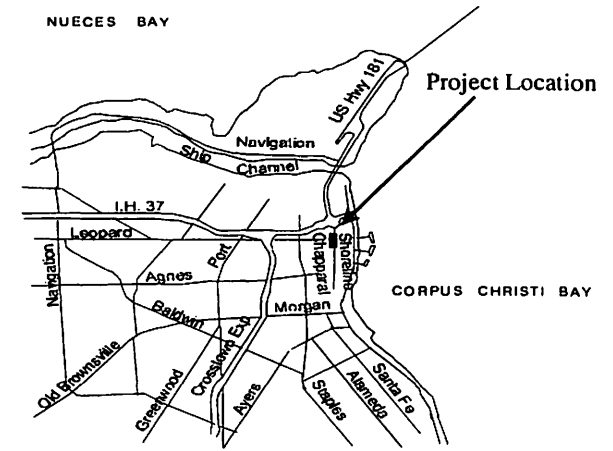
Sequence #27

PROJECT TITLE: Downtown Streets - Chaparral Street

Consistency with the Comprehensive Plan: Policy Statements pp. 25-28; 37 & 38

DESCRIPTION:

This project will convert Chaparral Street into a two way street from Schatzel Street to William Street as a demonstration project. This will include new curbs, widened sidewalks including but not limited to textured concrete and/or pavers, street pavement, street lights and traffic control. New trees, shrubs, irrigation, landscape, lighting and other amenities are also included.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	965.2		1,034.8			1,034.8	Capital Budget Project No: 10031 Engineering Project No: 6506 Finance Project No: 170677 A/E Consultant: Gignac & Associates Contractor: TBD Award Design: October '09 Award Construction: July '12 Anticipated Completion: July '13 Total Project Value: \$3,500,000
STORM WATER		1,000.0				1,000.0	
WASTEWATER		350.0				350.0	
WATER		150.0				150.0	
TOTAL:	965.2	1,500.0	1,034.8	-	-	2,534.8	
Source of Funds							
Bond Issue 2008	965.2		1,034.8			1,034.8	
Commercial Paper/Revenue Bd		1,500.0				1,500.0	
TOTAL:	965.2	1,500.0	1,034.8	-	-	2,534.8	

OPERATIONAL IMPACT:

It will not be possible to determine any operational impact prior to conceptual design of the project. Potential costs could be incurred for street lighting and traffic control.

PROJECT DESCRIPTION

DEPARTMENT: Streets

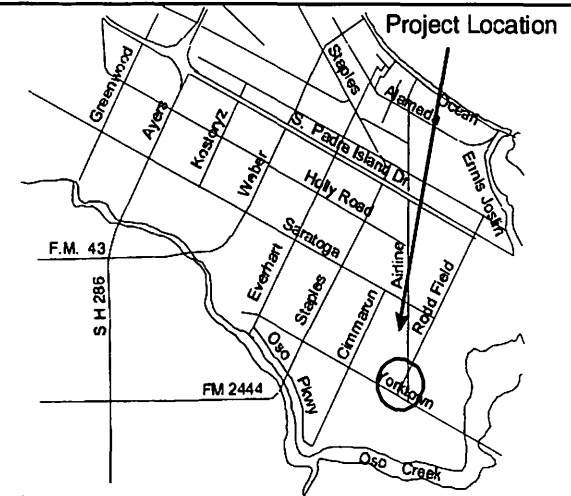
Sequence #28

PROJECT TITLE: Rodd Field Road /Yorktown Boulevard Intersection at Airline Road

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

DESCRIPTION:

This project will re-align the intersection configuration at Rodd Field and Yorktown to address public safety and improve traffic flow. This project is City Council priority number two to be funded for construction with Bond 2008 Street remaining proceeds. If funds are not available, this project will be considered for a future bond election.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	104.0		2,000.0			2,000.0	Capital Budget Project No: 10031 Engineering Project No: 6456 Finance Project No: 170322 A/E Consultant: HDR Contractor: TBD Award Design: October '11 Award Construction: TBD Anticipated Completion: TBD Total Project Value: \$3,604,000
STORM WATER			1,020.0			1,020.0	
WASTEWATER			260.0			260.0	
WATER			220.0			220.0	
TOTAL:	104.0	-	3,500.0	-	-	3,500.0	
Source of Funds							
Bond Issue 2008	104.0		2,000.0			2,000.0	
Commercial Paper/Revenue Bd			1,500.0			1,500.0	
TOTAL:	104.0	-	3,500.0	-	-	3,500.0	

OPERATIONAL IMPACT:

It will not be possible to determine any operational impact prior to conceptual design of the project. Potential costs could be incurred for street lighting and traffic control.

PROJECT DESCRIPTION

DEPARTMENT: **Streets**

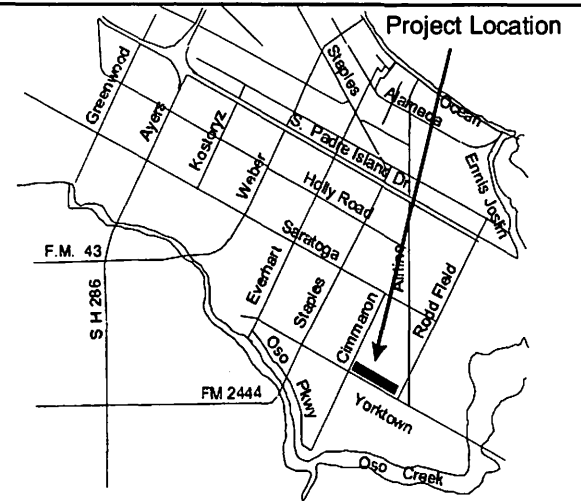
Sequence #29

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

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

DESCRIPTION:

This project will extend improvements on Yorktown Boulevard from Cimarron to Rodd Field Road. This project is City Council priority number three to be funded for construction with Bond 2008 Street remaining proceeds. If funds are not available, this project will be considered for a future bond election.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS	644.3		3,385.0			3,385.0	Capital Budget Project No: 12002 Engineering Project No: E10100 Finance Project No: E10100 A/E Consultant: Freese Nichols Contractor: TBD Award Design: August '11 Award Construction: TBD Anticipated Completion: TBD Total Project Value: \$6,217,200
STORM WATER			1,487.8			1,487.8	
WASTEWATER			379.2			379.2	
WATER			320.9			320.9	
TOTAL:	644.3	-	5,572.9	-	-	5,572.9	
Source of Funds							
Bond Issue 2008	644.3		3,385.0			3,385.0	
Commercial Paper/Revenue Bd			2,187.9			2,187.9	
TOTAL:	644.3	-	5,572.9	-	-	5,572.9	

OPERATIONAL IMPACT:

It will not be possible to determine any operational impact prior to conceptual design of the project. Potential costs could be incurred for street lighting and traffic control.

PROJECT DESCRIPTION

DEPARTMENT: Streets

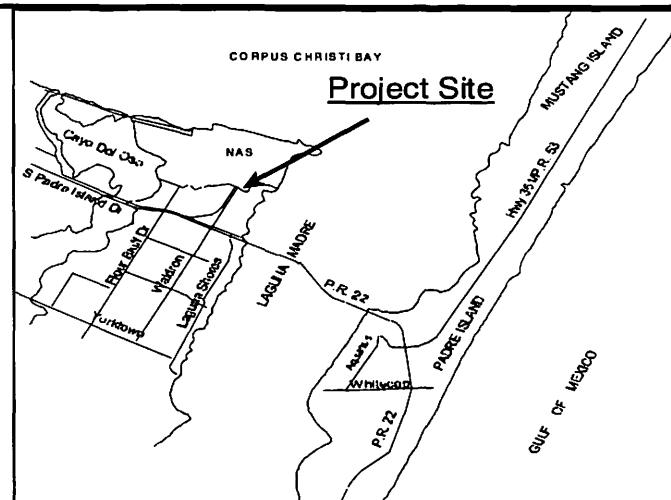
Sequence #30

PROJECT TITLE: NAS Entrance Road

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

DESCRIPTION:

This proposed project will reconstruct a roadway to the Naval Air Station (NAS) to improve the public's access to the base. In addition, this project is intended to improve homeland security for the base.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
STREETS				2,452.4		2,452.4	Capital Budget Project No: 04026 Engineering Project No: 6282 Finance Project No : 170590 A/E Consultant: TBD
TOTAL:		-	-	2,452.4	-	2,452.4	Contractor: TBD
Source of Funds							Award Design: TBD
Tx Military Revolving Loan Fund				2,452.4		2,452.4	Award Construction: TBD
TOTAL:		-	-	2,452.4	-	2,452.4	Anticipated Completion: TBD Total Project Value: \$2,452,400

OPERATIONAL IMPACT:

No additional operational impact is required for this project.

**STREETS
LONG-RANGE CIP**

LONG RANGE UNFUNDED CAPITAL IMPROVEMENT PROGRAM PROJECTS

Note: Long-Range Streets is not included pending outcome of Utility Street Maintenance Fee/Bond 2012.

Gas



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 MCF of natural gas per year.

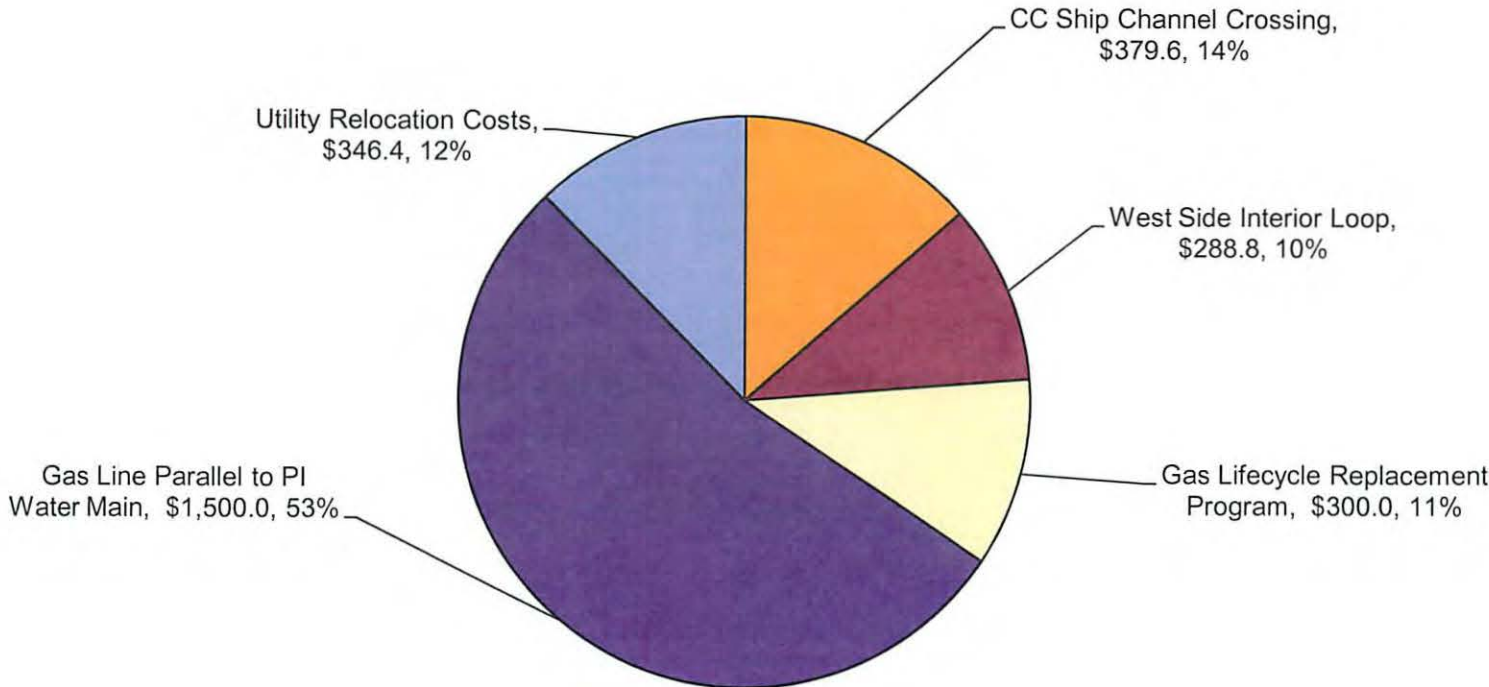
Included in this year's Capital Improvement Program are critical expansion requirements for the main distribution supply lines throughout the city. These projects will connect the existing City distribution system to the North Beach distribution system, the Annaville/Calallen distribution system, and 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.

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 2012 – 2013	YEAR TWO 2013– 2014	YEAR THREE 2014 – 2015
TOTAL PROGRAMMED EXPENDITURES:	\$ 2,814,800	\$ 1,471,000	\$ 350,000
FUNDING:			
Carry forward (Commercial Paper/Revenue Bonds)	\$ 166,400	\$ 1,471,000	\$ 350,000
New Debt (Commercial Paper/Revenue Bonds)	\$ 2,648,400	\$ 0	\$ 0
TOTAL PROGRAMMED FUNDS:	\$ 2,814,800	\$ 1,471,000	\$ 350,000

Gas
Annual CIP: \$2,814.8
(Amounts 000's)

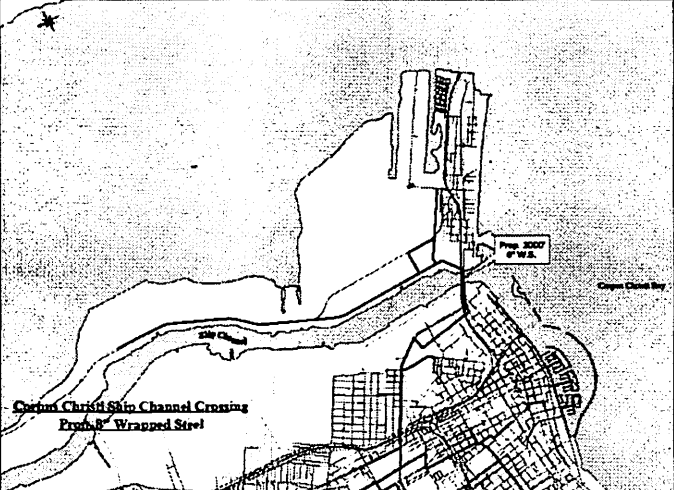


**GAS
SHORT-RANGE CIP
(Amount in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total + Carry Forward
GAS 01	Corpus Christi Ship Channel Crossing Finance Number: N/A Engineering Number: N/A		-	379.6	-	-	379.6
GAS 02	West Side Interior Loop Finance Number: TBD Engineering Number: TBD	-	-	288.8	-	-	288.8
GAS 03	Gas Lifecycle Replacement Program Finance Number: TBD Engineering Number: TBD	-	-	300.0	350.0	350.0	1,000.0
GAS 04	Gas Line Parallel to Padre Island Water Main Finance Number: E10172 Engineering Number: E10172	-	-	1,500.0	1,000.0	-	2,500.0
Gas Program Sub-Total:		-	-	2,468.4	1,350.0	350.0	4,168.4
Utility Relocation Costs for Bond 2008 *		57.9	166.4	180.0	121.0	-	467.4
<i>* relocation costs and funding reflected within Streets Program</i>							
TOTAL PROGRAMMED EXPENDITURES:		57.9	166.4	2,648.4	1,471.0	350.0	4,635.8
CURRENTLY AVAILABLE FUNDING:							
Existing Commercial Paper/Revenue Bonds		57.9	166.4	2,648.4	1,471.0	350.00	4,469.40
Total Currently Available:		57.9	166.4	2,648.4	1,471.0	350.00	4,469.40
RECOMMENDED ADDITIONAL FUNDING:							
**Commercial Paper/ Revenue Bond		-	-	-	-	-	-
Total Funding Source:		57.9	166.4	2,648.4	1,471.0	350.0	4,469.4

** Dependent upon availability of funding

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Gas</u></p> <p align="right">Sequence #01</p> <p>PROJECT TITLE: <u>Corpus Christi Ship Channel Crossing</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56, 60 & 61</i></p> <p>DESCRIPTION: This project consists of the materials to construct approximately 2,000 feet of high pressure 8" steel main. This will connect the existing city distribution system to the North Beach distribution system. By connecting the two systems, the city will increase reliability and capacity to the North Beach area.</p>	
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Material Purchase			80.0			80.0	Capital Budget Project No: 12100 Engineering Project No: N/A Finance Project No: N/A A/E Consultant: N/A Contractor: City Crews Award Design: N/A Award Construction: N/A Anticipated Completion: TBD
Design & Engineering			51.8			51.8	
Land Acquisition							
Construction			200.0			200.0	
Contingency			47.8			47.8	
Inspection/Other							
TOTAL:		-	379.6	-	-	379.6	
Source of Funds							
Commercial Paper/Revenue Bd			379.6			379.6	
TOTAL:		-	379.6	-	-	379.6	

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 North Beach area and potentially increase revenues.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Gas</u></p> <p>PROJECT TITLE: <u>West Side Interior Loop</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56, 60 & 61</i></p> <p>DESCRIPTION: This project consists of the purchase of approximately 17,950 feet of high pressure steel main varying in size from 8" to 16". This will connect the existing city distribution system to the Annville / Calallen distribution system. By connecting the two systems we will increase reliability and capacity to the Annville / Calallen area.</p>	<p style="text-align: right;">Sequence #02</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Material Purchase			258.8			258.8	Capital Budget Project No: 12100 Engineering Project No: N/A Finance Project No: N/A A/E Consultant: N/A Contractor: City Crews Award Design: N/A Award Construction: N/A Anticipated Completion: TBD
Design & Engineering							
Land Acquisition							
Construction							
Contingency			30.0			30.0	
Inspection/Other							
TOTAL:		-	288.8	-	-	288.8	
Source of Funds							
Commercial Paper/Revenue Bd			288.8			288.8	
TOTAL:		-	288.8	-	-	288.8	

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 DESCRIPTION

<p>DEPARTMENT: <u>Gas</u></p> <p align="right">Sequence #03</p> <p>PROJECT TITLE: <u>Gas Lifecycle Replacement Program</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56, 60 & 61</i></p> <p>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 service life. Lines in the most deteriorated condition and those creating the most severe maintenance issues will be prioritized for replacement.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			5.0	10.0	10.0	25.0	Capital Budget Project No: 08002 Engineering Project No: Various Finance Project No: Various A/E Consultant: In-House Contractor: City Crews Award Design: N/A Award Construction: N/A Anticipated Completion: N/A
Construction			275.0	300.0	300.0	875.0	
Contingency			20.0	40.0	40.0	100.0	
Inspection/Other							
TOTAL:		-	300.0	350.0	350.0	1,000.0	
Source of Funds							
Commercial Paper/Revenue Bd			300.0	350.0	350.0	1,000.0	
TOTAL:		-	300.0	350.0	350.0	1,000.0	

OPERATIONAL IMPACT:

There is not a direct operational impact due to this project, but it will prevent future line breakages and interruption of service due to aging infrastructure.

PROJECT DESCRIPTION

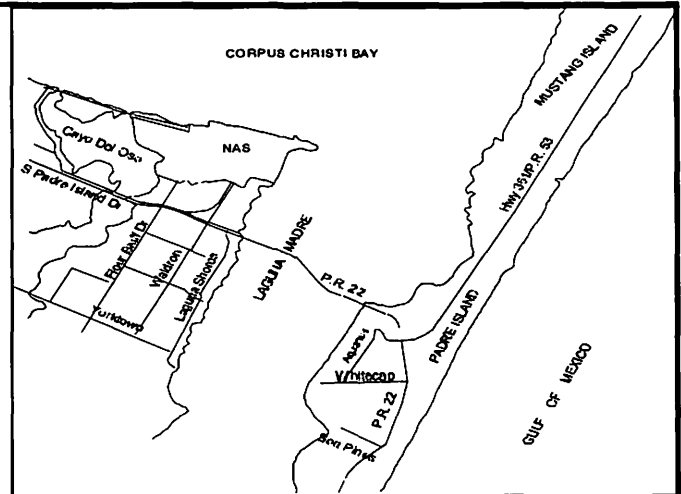
DEPARTMENT: Gas Sequence #04

PROJECT TITLE: Gas Line Parallel to Padre Island Water Main

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56, 60 & 61

DESCRIPTION:

This project involves the construction of a 8" gas line parallel to the proposed alternate water line crossing the Laguna Madre. This line will service the Padre Island residents and add redundancy and reliability to the gas system already in place. This project is being designed through the corresponding water project and these funds are for construction only.



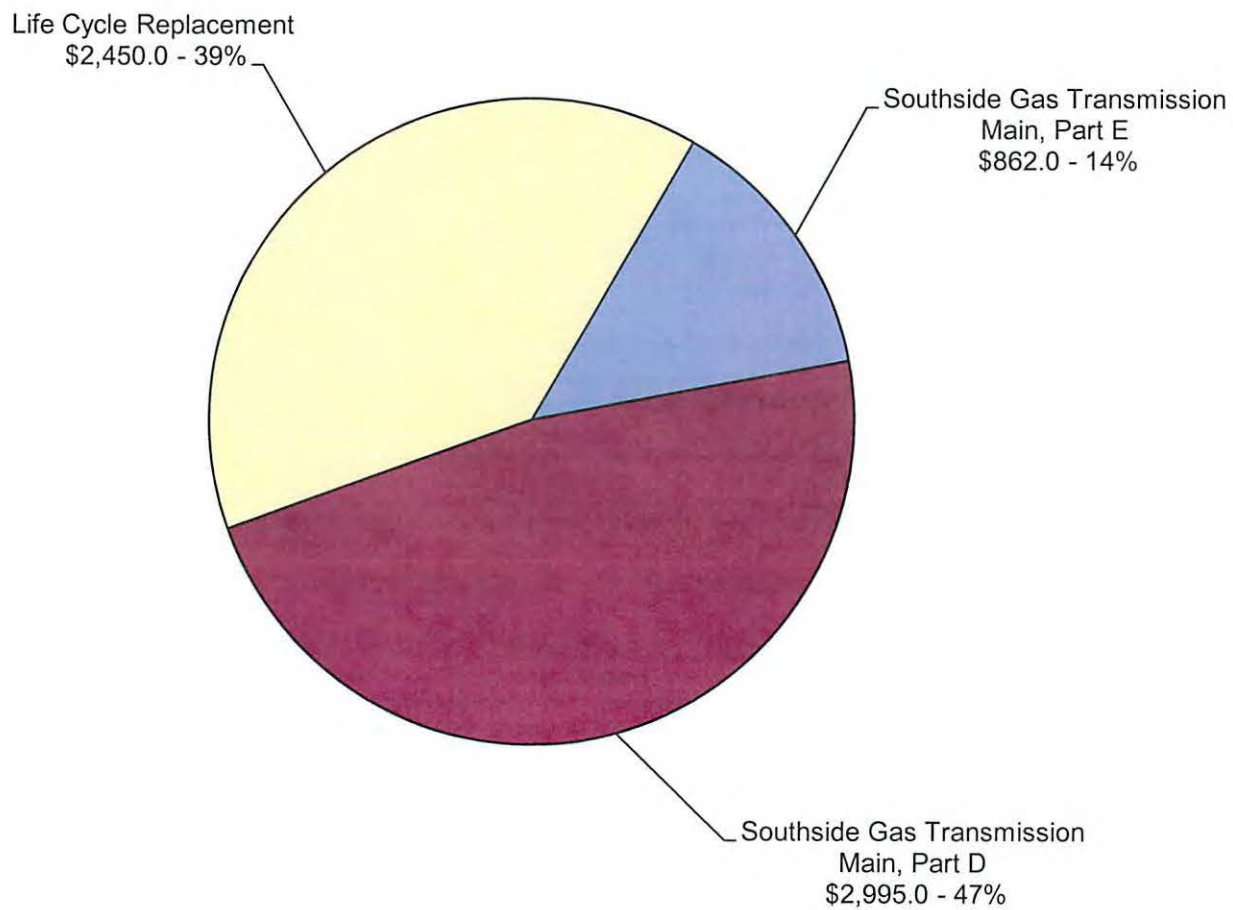
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering							Capital Budget Project No: 13001 Engineering Project No: E10172 Finance Project No: E10172 A/E Consultant: Urban Eng. Contractor: TBD Award Design: Fiscal Year '12 Award Construction: Fiscal Year '13 Anticipated Completion: Fiscal Year '14 Anticipated Completion: N/A
Construction			1,250.0	850.0		2,100.0	
Contingency			125.0	85.0		210.0	
Inspection/Other			125.0	65.0		190.0	
TOTAL:		-	1,500.0	1,000.0	-	2,500.0	
Source of Funds							
Commercial Paper/Revenue Bd			1,500.0	1,000.0		2,500.0	
TOTAL:		-	1,500.0	1,000.0	-	2,500.0	

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 Padre Island area and potentially increase revenues.

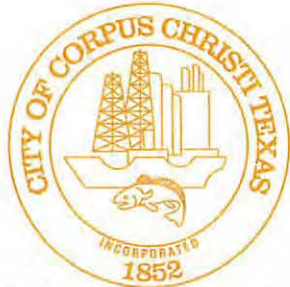
Gas
Long-Range CIP: \$6,307.0
(Amounts in 000's)



**GAS
LONG-RANGE CIP**

		<u>Long-Range Year</u>
1	<u>Life Cycle Gas Line Replacement</u> This project involves the study, evaluation and replacement of the existing gas pipelines. A replacement schedule of the lines at or beyond their service life will be established based on lines in the most deteriorated condition and those creating the most severe maintenance issues will be prioritized for replacement.	\$2,450,000 4, 5, 6, 7, 8, 9, 10
2	<u>Southside Gas Transmission Main, Part D, Phase 1 (Hwy 44 to 1,800 feet West of Violet Road)</u> 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.	\$2,995,000 4,5,6
3	<u>Southside Gas Transmission Main, Part E (1800 Ft West of Violet Road to Highway 77)</u> This project consists of the preliminary work required for the installation of approximately 12,500' of 12" 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.	\$862,000 6,7,8
<u>TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:</u>		<u>\$6,307,000</u>

Storm Water



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 insuring 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 pump stations, over 100 miles of major ditches, 50 miles of collector ditches, 110 bridges, over 500 miles of underground storm drain pipes with 6,100 manholes, and 1,800 miles of curb & gutter with 16,800 inlets and various smaller ditches, driveway culverts and natural drainage systems.

Three projects are included to address the La Volla Creek and Oso Creek areas, support of Bond 2008 program, and Storm Water Drainage Master Plan. One project will study the area and recommend specific drainage solutions. The second project, dependent upon a Federal Emergency Management Agency grant, will provide design and construction for drainage issues. The third project will begin design, with construction following in later years, for the LaVolla Creek area / Margaret Kelly Drainage Channel. In addition to this, several storm water projects planned over the following three years are required to provide additional support to the Bond Issue 2008 program. These storm water outfall projects provide the necessary "off-site" drainage improvements to accommodate the projected additional storm water flows associated with street and storm water upgrades such as curb & gutter, inlets, and underground drainage.

The Storm Water Drainage Master Plan will be expanded to 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.

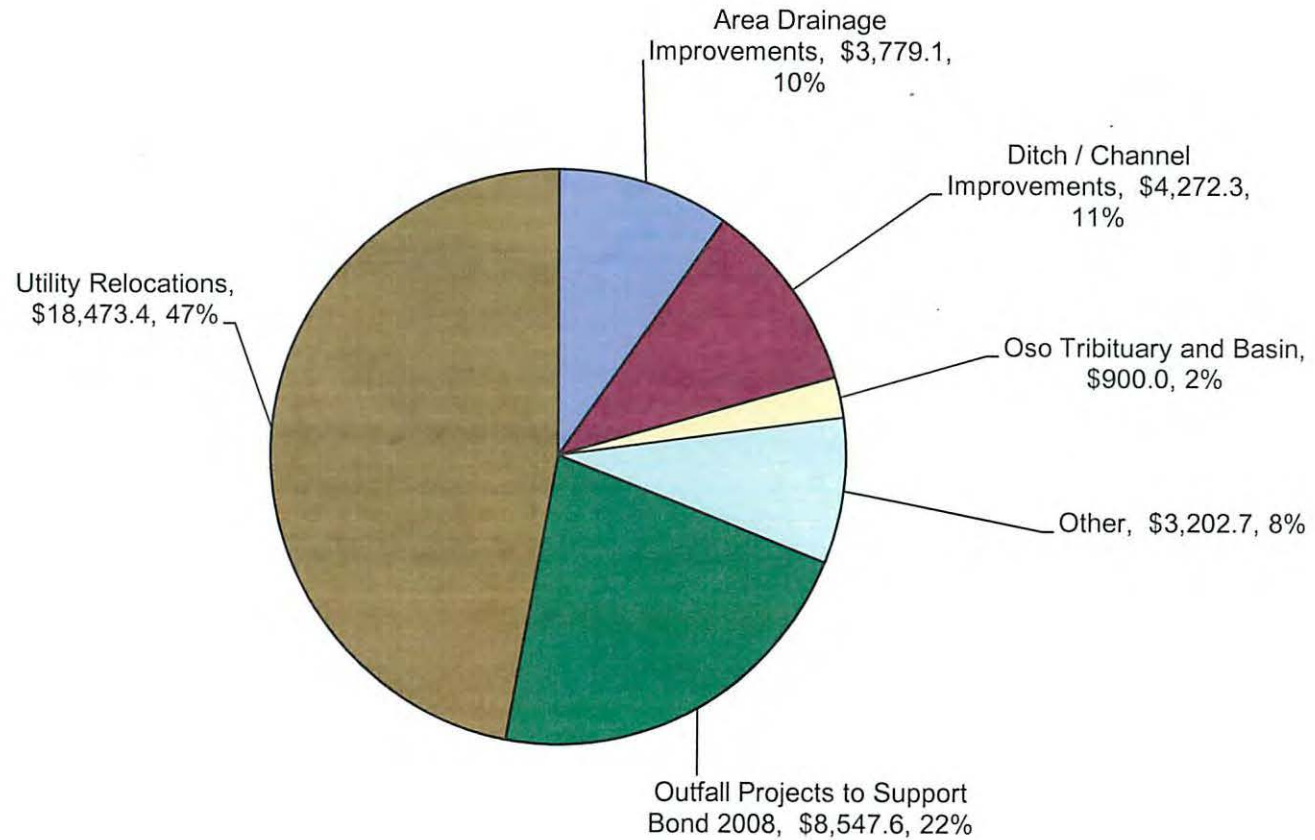
Additional work includes implementation of City-wide improvements to the existing major and minor ditches (concrete-lined and earthen), curb & gutter, and underground systems to increase water quality and pollution prevention as required by the City's National Pollutant Discharge Elimination System (NPDES) Permit.

A recap of the budgeted expenditures includes:

	YEAR ONE 2012– 2013	YEAR TWO 2013 – 2014	YEAR THREE 2014 – 2015
TOTAL PROGRAMMED EXPENDITURES:	\$ 39,175,100	\$ 20,212,800	\$ 16,384,100
FUNDING:			
Carry Forward (Commercial Paper / Revenue Bonds)	\$15,419,700	\$ 0	\$ 0
New Debt (Commercial Paper / Revenue Bonds)	\$ 22,855,400	\$ 19,712,800	\$ 15,884,100
Federal Emergency Management Agency Grant	\$ 900,000	\$ 500,000	\$ 500,000
TOTAL PROGRAMMED FUNDS:	\$ 39,175,100	\$ 20,212,800	\$ 16,384,100

**Relocation costs and funding reflected within Streets Program*

**Storm Water
Annual CIP: \$39,175.1
(Amounts in 000's)**



**STORM WATER
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total + Carry Forward
SW 01	IDIQ Major Ditch Improvements Finance Number: Various Engineering Number: Various	500.0	-	500.0	500.0	500.0	1,500.0
SW 02	Lifecycle Curb and Gutter Replacement Finance Number: E10154 Engineering Number: E10154	322.3	277.7	600.0	600.0	600.0	2,077.7
SW 03	Minor Storm Drainage Improvements Finance Number: Various Engineering Number: Various	500.0	-	500.0	500.0	500.0	1,500.0
SW 04	Unanticipated Storm Water Capital Requirements Finance Number: Various Engineering Number: Various	250.0	-	250.0	250.0	250.0	750.0
SW 05	Turtle Cove / Jester / Matlock Area Drainage Improvements Finance Number: E11074 Engineering Number: E11074	60.7	939.1	500.0	500.0	-	1,939.1
SW 06	La Volia Creek Channel Excavation Finance Number: E10200 Engineering Number: E10200	156.5	243.5	500.0	500.0	2,000.0	3,243.5
SW 07	Oso Tributary and La Volia Creek Detention Improvements (FEMA) Finance Number: TBD Engineering Number: TBD	-	-	900.0	500.0	500.0	1,900.0
SW 08	Oso Creek Basin Drainage Relief Finance Number: E10201 Engineering Number: E10201	260.0	740.0	1,000.0	1,000.0	1,000.0	3,740.0

**STORM WATER
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total + Carry Forward
SW 09	Major Outfall Assessment and Repairs Finance Number: Various Engineering Number: Various	-	-	300.0	300.0	300.0	900.0
SW 10	Schanen Ditch Improvements Finance Number: E11073 Engineering Number: E11073	11.3	388.7	500.0	500.0	1,200.0	2,588.7
SW 11	Drainage Channel Excavation - Master Channel 31 Finance Number: 160092 Engineering Number: 2235	64.5	90.1	500.0	500.0	500.0	1,590.1
SW 12	Egyptian and Meadowbrook/USACE Mitigation Finance Number: Various Engineering Number: Various	-	-	225.0	150.0	150.0	525.0
SW 13	McGee Beach Drainage Improvements Finance Number: TBD Engineering Number: TBD	-	-	100.0	100.0	-	200.0
SW 14	Concrete Lined Channel Rehabilitation Finance Number: Various Engineering Number: Various	-	125.0	850.0	500.0	500.0	1,975.0
SW 15	Minor Ditch and Channel Improvements Finance Number: Various Engineering Number: Various	-	-	175.0	175.0	175.0	525.0
SW 16	Lifecycle Pipe Rehabilitation and Replacement Finance Number: Various Engineering Number: Various	-	-	500.0	200.0	200.0	900.0

**STORM WATER
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total + Carry Forward
SW 17	Storm Water Project Prioritization Finance Number: 160270 Engineering Number: 2083	-	200.0	300.0	300.0	1,800.0	2,600.0
SW 18	Bridge Rehabilitation Finance Number: TBD Engineering Number: TBD	-	200.0	200.0	200.0	830.0	1,430.0
SW 19	McNorton Channel Improvements Finance Number: TBD Engineering Number: TBD	-	-	100.0	250.0	400.0	750.0
SW 20	Horne Road Ditch Improvements Finance Number: 160360 Engineering Number: 2303	36.1	-	300.0	1,300.0	-	1,600.0
SW 21	Developer Participation - Storm Water Finance Number: Various Engineering Number: Various	-	-	150.0	150.0	150.0	450.0
Storm Water Capital Improvement Projects:		2,161.4	3,204.1	8,950.0	8,975.0	11,555.0	32,684.1

**STORM WATER
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total + Carry Forward
SW 22	Charles Drive Outfall (Supports Bond 2008) Finance Number: E09022 Engineering Number: E09022	-	750.0	-	-	-	750.0
SW 23	Williams Drive Outfall (Supports Bond 2008) Finance Number: E09025 Engineering Number: E09025	32.4	967.6	3,250.0	3,750.0	-	7,967.6
SW 24	Staples Street Outfall (Supports Bond 2008) Finance Number: TBD Engineering Number: TBD	-	-	3,580.0	1,009.7	3,029.1	7,618.8
Storm Water Outfall Projects Supporting Bond 2008:		32.4	1,717.6	6,830.0	4,759.7	3,029.1	16,336.4
Storm Water Program Sub-Total:		2,193.8	4,921.7	15,780.0	13,734.7	14,584.1	49,020.5
Utility Relocation Costs for Bond 2008 *		13,306.3	10,498.0	7,975.4	6,478.1	1,800.0	26,751.5
<i>* relocation costs and funding reflected within Streets Program</i>							
TOTAL PROGRAMMED EXPENDITURES:		15,500.1	15,419.7	23,755.4	20,212.8	16,384.1	75,772.0
PROGRAM FUNDING SCHEDULE:							
CURRENTLY AVAILABLE FUNDING:							
Existing Commercial Paper/Revenue Bond		15,500.1	-	-	-	-	-
Total Currently Available:		15,500.1	-	-	-	-	-

**STORM WATER
SHORT-RANGE CIP
(Amounts in 000's)**

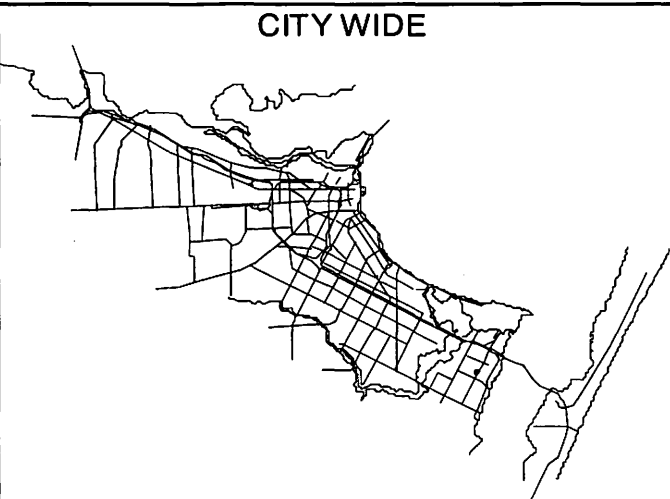
Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total + Carry Forward
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RECOMMENDED ADDITIONAL FUNDING:

	**Commercial Paper/Revenue Bond	-	15,419.7	22,855.4	19,712.8	15,884.1	73,872.0
	Federal Emergency Management Agency Grant	-	-	900.0	500.0	500.0	1,900.0
	Recommended Additional Funding:	-	15,419.7	23,755.4	20,212.8	16,384.1	75,772.0
	TOTAL PROGRAMMED FUNDS:	15,500.1	15,419.7	23,755.4	20,212.8	16,384.1	75,772.0

*** Dependent upon availability of funding*

PROJECT DESCRIPTION


<p>DEPARTMENT: <u>Storm Water</u></p> <p align="right">Sequence #01</p> <p>PROJECT TITLE: <u>IDIQ Major Ditch Improvements</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>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.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	56.0		56.0	56.0	56.0	168.0	Capital Budget Project No: 12001 Engineering Project No: Various Finance Project No: Various A/E Consultant: Various Contractor: TBD Award Design: TBD Award Construction: On Going Anticipated Completion: On Going Total Project Value: \$5,000,000
Construction	370.0		370.0	370.0	370.0	1,110.0	
Contingency	37.0		37.0	37.0	37.0	111.0	
Inspection/Other	37.0		37.0	37.0	37.0	111.0	
TOTAL:	500.0	-	500.0	500.0	500.0	1,500.0	
Source of Funds							
Commercial Paper/Revenue Bd	500.0		500.0	500.0	500.0	1,500.0	
TOTAL:	500.0	-	500.0	500.0	500.0	1,500.0	

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, 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.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Storm Water</u></p> <p align="right">Sequence #02</p> <p>PROJECT TITLE: <u>Lifecycle Curb and Gutter Replacement</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>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.</p>	<p>CITY WIDE</p> 
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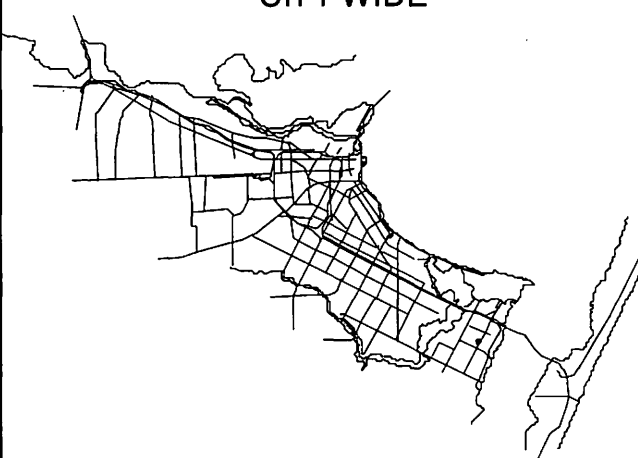
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	19.6	25.4	45.0	45.0	45.0	160.4	Capital Budget Project No: 12002 Engineering Project No: E10154 Finance Project No: E10154 A/E Consultant: Various Contractor: TBD Award Design: TBD Award Construction: On Going Anticipated Completion: On Going Total Project Value: \$6,000,000
Construction	279.2	170.8	450.0	450.0	450.0	1,520.8	
Contingency		45.0	45.0	45.0	45.0	180.0	
Inspection/Other	23.5	36.5	60.0	60.0	60.0	216.5	
TOTAL:	322.3	277.7	600.0	600.0	600.0	2,077.7	
Source of Funds							
Commercial Paper/Revenue Bd	322.3	277.7	600.0	600.0	600.0	2,077.7	
TOTAL:	322.3	277.7	600.0	600.0	600.0	2,077.7	

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 DESCRIPTION

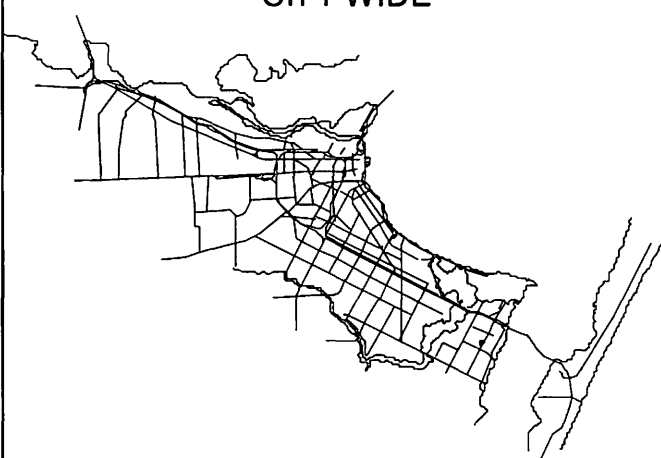
<p>DEPARTMENT: <u>Storm Water</u></p> <p align="right">Sequence #03</p> <p>PROJECT TITLE: <u>Minor Storm Drainage Improvements</u> <i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>DESCRIPTION: This yearly project will involve minor storm water conveyance improvements, re-contouring, excavation, clearing and other various improvements to ditches and channels, upgrading box culverts and 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. Improvements will take place on a routine basis to the extent funding allows.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	56.0		56.0	56.0	56.0	168.0	Capital Budget Project No: 00007 Engineering Project No: Various Finance Project No: Various A/E Consultant: Various Contractor: Various Award Design: On-Going Award Construction: On-Going Anticipated Completion: On-Going Total Project Value: \$5,000,000
Construction	370.0		370.0	370.0	370.0	1,110.0	
Contingency	37.0		37.0	37.0	37.0	111.0	
Inspection/Other	37.0		37.0	37.0	37.0	111.0	
TOTAL:	500.0	-	500.0	500.0	500.0	1,500.0	
Source of Funds							
Commercial Paper/Revenue Bd	500.0		500.0	500.0	500.0	1,500.0	
TOTAL:	500.0	-	500.0	500.0	500.0	1,500.0	

OPERATIONAL IMPACT:
 Restoration of channels and ditches and 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 lines, buildings, homes. Additionally, fully funding rehab/construction of major channels and drainage infrastructure ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the channel.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Storm Water</u></p> <p style="text-align: right;">Sequence #04</p> <p>PROJECT TITLE: <u>Unanticipated Storm Water Capital Requirements</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>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.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	28.0		28.0	28.0	28.0	84.0	Capital Budget Project No: 12004
Construction	185.0		185.0	185.0	185.0	555.0	Engineering Project No: Various
Contingency	18.5		18.5	18.5	18.5	55.5	Finance Project No: Various
Inspection/Other	18.5		18.5	18.5	18.5	55.5	A/E Consultant: Various
TOTAL:	250.0	-	250.0	250.0	250.0	750.0	Contractor: Various
Source of Funds							Award Design: On-Going
Commercial Paper/Revenue Bd	250.0		250.0	250.0	250.0	750.0	Award Construction: On-Going
TOTAL:	250.0	-	250.0	250.0	250.0	750.0	Anticipated Completion: On-Going
							Total Project Value: \$2,500,000

OPERATIONAL IMPACT:
 Restoration of channels and ditches and 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 lines, buildings, homes. Additionally, fully funding rehab/construction of major channels and drainage infrastructure ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the channel.

PROJECT DESCRIPTION

DEPARTMENT: Storm Water

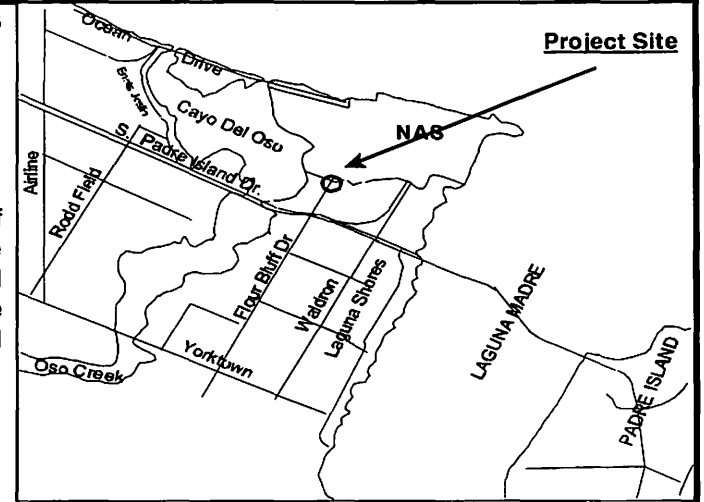
Sequence #05

PROJECT TITLE: Turtle Cove / Jester / Matlock Area Drainage Improvement Project

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)

DESCRIPTION:

This project will consist of a new underground drainage system and other drainage improvements to the northern area of Flour Bluff for the area bounded by Flour Bluff Drive, Matlock, Military Drive, Jester Drive, NAS Drive, and the undeveloped properties along the southern NAS fence line. The existing roadside ditches along Jester and Matlock and outfall structures are inadequate to convey the storm water runoff from routine rain events. The project will be implemented in a phased design and construction approach. The first phase of design has been completed and construction will begin early this fiscal year.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering		35.9	55.0	55.0		145.9	Capital Budget Project No: 06004 Engineering Project Nos: E11074 Finance Project No: E11074 PHASE ONE WORK: A/E Consultant: MGM Contractor: H2O Award Design: April '09 Award Construction: December '11 Anticipated Completion: Fall '12 Total Project Value: \$2,000,000
Construction	50.0	750.0	371.0	371.0		1,492.0	
Contingency		80.0	37.0	37.0		154.0	
Inspection/Other	10.7	73.2	37.0	37.0		147.2	
TOTAL:	60.7	939.1	500.0	500.0	-	1,939.1	
Source of Funds							
Commercial Paper/Revenue Bd	60.7	939.1	500.0	500.0		1,939.1	
TOTAL:	60.7	939.1	500.0	500.0	-	1,939.1	

OPERATIONAL IMPACT:

This project is anticipated to reduce drainage complaints and problems following storm events, as well as relieve localized flooding. This project specifically eliminates continual maintenance of Jester and Matlock Roads due to poor drainage.

PROJECT DESCRIPTION

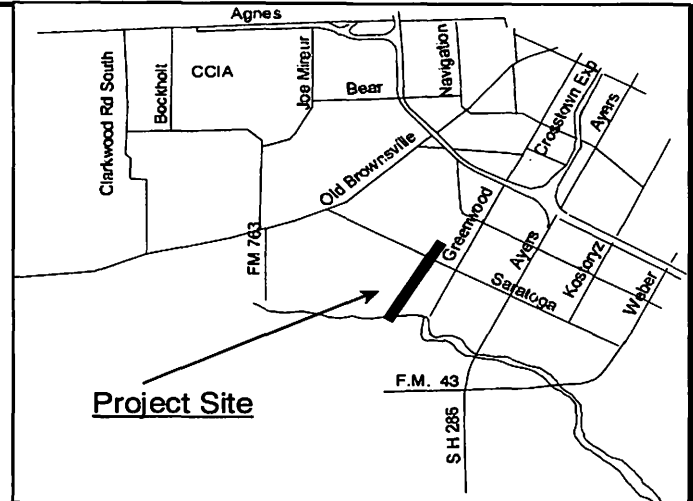
DEPARTMENT: **Storm Water** Sequence #06

PROJECT TITLE: La Volla Creek Channel Excavation

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)

DESCRIPTION:

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 for conveyance to the Oso Creek. Phase I includes the removal of vegetation from the channel and channel widening in the vicinity of the bridge and the first 3,000 ft down stream. Phase II includes the balance of the channel improvements.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	138.0		50.0	50.0	600.0	700.0	Capital Budget Project No: 09002 Engineering Project No: E10200 Finance Project No: E10200 A/E Consultant: Urban Eng. Contractor: TBD Award Design: January '12 Award Construction: Fiscal Year '13 Anticipated Completion: Fiscal Year '14 Total Project Value: \$11,000,000
Construction		202.0	375.0	375.0	1,000.0	1,952.0	
Contingency		30.0	37.5	37.5	200.0	305.0	
Inspection/Other	18.5	11.5	37.5	37.5	200.0	286.5	
TOTAL:	156.5	243.5	500.0	500.0	2,000.0	3,243.5	
Source of Funds							
Commercial Paper/Revenue Bd	156.5	243.5	500.0	500.0	2,000.0	3,243.5	
TOTAL:	156.5	243.5	500.0	500.0	2,000.0	3,243.5	

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, 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 DESCRIPTION

DEPARTMENT: Storm Water

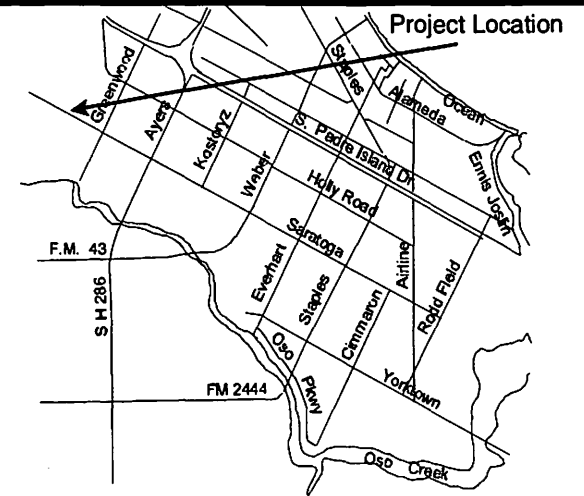
Sequence #07

PROJECT TITLE: Oso Tributary and La Volla Creek Detention Improvements (FEMA)

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)

DESCRIPTION:

Flooding in the La Volla Creek basin in September 2010 resulted in significant damage to both public and private property. This project proposes to use a FEMA Hazard Mitigation grant to construct an off-channel storm water detention facility on city property upstream near the confluence La Volla Creek and Airport Ditch. This proposed detention facility will be expected to help lower the base flood elevation during significant rainfall events.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			300.0			300.0	Capital Budget Project No: 11001 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: TBD Contractor: TBD Award Design: Pending Funding Award Construction: Pending Anticipated Completion: Pending Total Project Value: \$1,900,000
Construction			500.0	420.0	420.0	1,340.0	
Contingency			50.0	40.0	40.0	130.0	
Inspection/Other			50.0	40.0	40.0	130.0	
TOTAL:		-	900.0	500.0	500.0	1,900.0	
Source of Funds							
Federal Emergency Mgmt. Grant			900.0	500.0	500.0	1,900.0	
TOTAL:		-	900.0	500.0	500.0	1,900.0	

OPERATIONAL IMPACT:

Once complete there will be additional operational cost due to the recurring maintenance required of the new detention, conveyance and outfall structures.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Storm Water</u></p> <p style="text-align: right;">Sequence #08</p> <p>PROJECT TITLE: <u>Oso Creek Basin Drainage Relief</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>DESCRIPTION:</p> <p>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 funds will be pursued to complete the project in future years.</p>	<p>Project Location</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	250.0	622.0	400.0			1,022.0	Capital Budget Project No: 11003 Engineering Project No: E10201 Finance Project No: E10201 A/E Consultant: Naismith Contractor: TBD Award Design: January '12 Award Construction: Late FY '13 Anticipated Completion: TBD Total Project Value: \$7,000,000
Construction			435.0	835.0	835.0	2,105.0	
Contingency			82.5	82.5	82.5	247.5	
Inspection/Other	10.0	118.0	82.5	82.5	82.5	365.5	
TOTAL:	260.0	740.0	1,000.0	1,000.0	1,000.0	3,740.0	
Source of Funds							
Commercial Paper/Revenue Bd	260.0	740.0	1,000.0	1,000.0	1,000.0	3,740.0	
TOTAL:	260.0	740.0	1,000.0	1,000.0	1,000.0	3,740.0	

OPERATIONAL IMPACT:

There are no operational impacts until any proposed improvements are completed in future years. At that point there will be additional operational cost for the maintenance of the improved drainage ways.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Storm Water</u></p> <p align="right">Sequence #09</p> <p>PROJECT TITLE: Major Outfall Assessment and Repairs <i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>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.</p>	<p>CITY WIDE</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			200.0	20.0	20.0	240.0	Capital Budget Project No: 13001
Construction				240.0	240.0	480.0	Engineering Project No: Various
Contingency			50.0	20.0	20.0	90.0	Finance Project No: Various
Inspection/Other			50.0	20.0	20.0	90.0	A/E Consultant: TBD
TOTAL:		-	300.0	300.0	300.0	900.0	Contractor: TBD
Source of Funds							Award Design: TBD
Commercial Paper/Revenue Bd			300.0	300.0	1,000.0	900.0	Award Construction: TBD
TOTAL:		-	300.0	300.0	1,000.0	900.0	Anticipated Completion: TBD Total Project Value: \$3,000,000

OPERATIONAL IMPACT:
 Restoration of channels and ditches and 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 lines, buildings, homes. Additionally, fully funding rehab/construction of major channels and drainage infrastructure ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the channel.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Storm Water</u></p> <p style="text-align: right;">Sequence #10</p> <p>PROJECT TITLE: <u>Schanen Ditch Improvements</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>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 was completed in Fiscal Year '12 and additional work continuing downstream on this channel will take place in subsequent years as funding allows. Currently, design of Phase Two is underway.</p>	<p>Project Location</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	9.5	65.5		75.0		140.5	Capital Budget Project No: 09009 Engineering Project No: E11073 Finance Project No: E11073 PHASE 2 PROJECT NOTES: A/E Consultant: Freese Nichols Contractor: TBD Award Design: On-Going Award Construction: On-Going Anticipated Completion: On-Going Total Project Value: \$7,300,000
Construction		271.0	440.0	355.0	1,000.0	2,066.0	
Contingency		27.0	20.0	35.0	100.0	182.0	
Inspection/Other	1.8	25.2	40.0	35.0	100.0	200.2	
TOTAL:	11.3	388.7	500.0	500.0	1,200.0	2,588.7	
Source of Funds							
Commercial Paper/Revenue Bd	11.3	388.7	500.0	500.0	1,200.0	2,588.7	
TOTAL:	11.3	388.7	500.0	500.0	1,200.0	2,588.7	

OPERATIONAL IMPACT:
 Restoration of channels and ditches and 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 lines, buildings, homes. Additionally, fully funding rehab/construction of major channels and drainage infrastructure ultimately can reduce operational cost due to reduced "emergency" responses and more costly maintenance actions during the lifecycle of the channel.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Storm Water</u></p> <p style="text-align: right;">Sequence #11</p> <p>PROJECT TITLE: <u>Drainage Channel Excavation - Master Channel 31</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>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.</p>	<p>Project Location</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	55.8	64.1		10.0	70.0	144.1	Capital Budget Project No: 04008 Engineering Project No: 2235 Finance Project No: 160092 A/E Consultant: Freese Nichols Contractor: TBD Award Design: On-Going Award Construction: On-Going Anticipated Completion: On-Going Total Project Value: \$1,654,600
Construction		10.0	400.0	410.0	350.0	1,170.0	
Contingency		10.0	40.0	40.0	40.0	130.0	
Inspection/Other	8.7	6.0	60.0	40.0	40.0	146.0	
TOTAL:	64.5	90.1	500.0	500.0	500.0	1,590.1	
Source of Funds							
Commercial Paper/Revenue Bd	64.5	90.1	500.0	500.0	500.0	1,590.1	
TOTAL:	64.5	90.1	500.0	500.0	500.0	1,590.1	

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, 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.

PROJECT DESCRIPTION

DEPARTMENT: Storm Water

Sequence #14

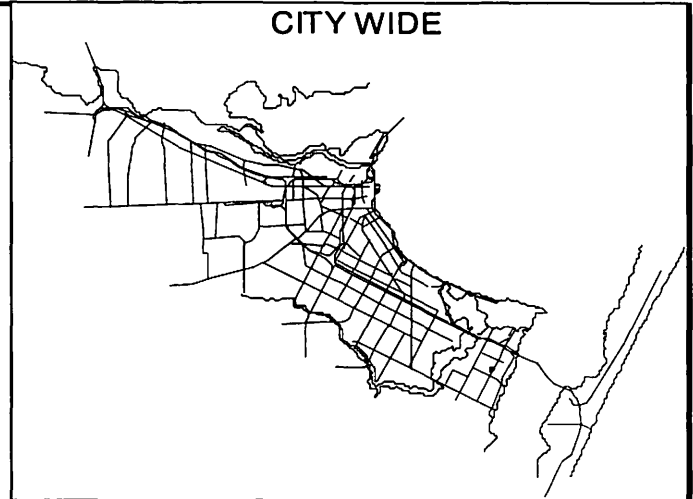
CITY WIDE

PROJECT TITLE: Concrete Lined Channel Rehabilitation

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)

DESCRIPTION:

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. Concrete-lined channels require major rehab where erosion has undermined structural integrity and now requires placement of existing corrugated metal pipe.



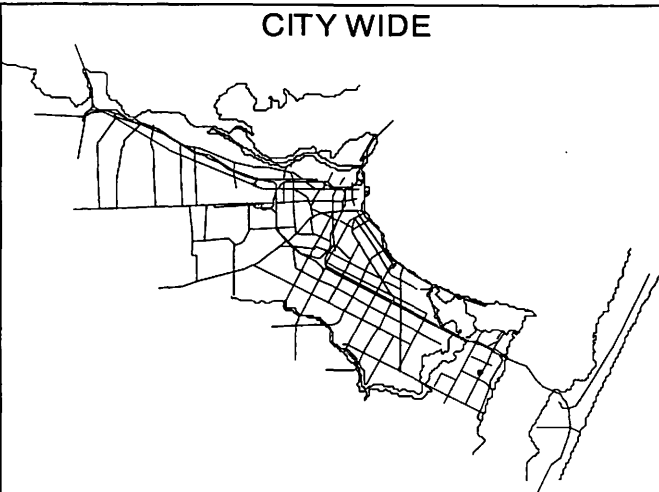
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditure thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering		100.0	100.0	50.0	50.0	300.0	Capital Budget Project No: 13002 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: Freese Nichols Contractor: TBD Award Design: Pending Award Construction: On-Going Anticipated Completion: On-Going Total Project Value: \$4,150,000
Construction			550.0	350.0	350.0	1,250.0	
Contingency			100.0	50.0	50.0	200.0	
Inspection/Other		25.0	100.0	50.0	50.0	225.0	
TOTAL:		125.0	850.0	500.0	500.0	1,975.0	
Source of Funds							
Commercial Paper/Revenue Bd		125.0	850.0	500.0	500.0	1,975.0	
TOTAL:		125.0	850.0	500.0	500.0	1,975.0	

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, 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.

PROJECT DESCRIPTION

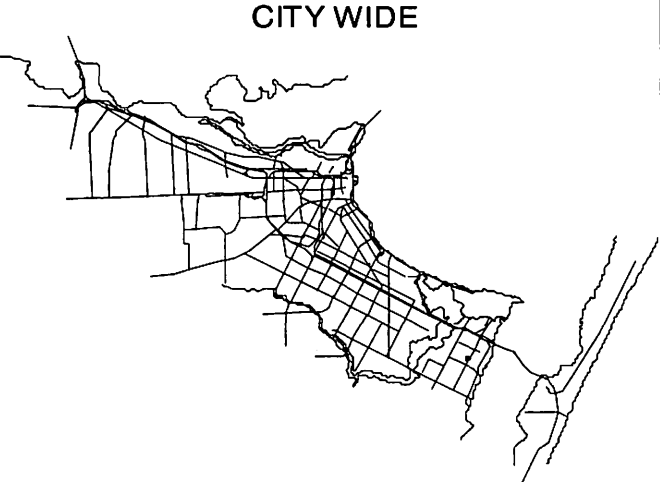
<p>DEPARTMENT: <u>Storm Water</u></p> <p align="right">Sequence #15</p> <p>PROJECT TITLE: <u>Minor Ditch and Channel Improvements</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>DESCRIPTION: The City has approximately 14 miles of minor ditches. As part of the programmatic approach, this project will identify and prioritize ditch improvements to include regrading, 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>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March 2012	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			19.0	19.0	19.0	57.0	Capital Budget Project No: 09002 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: Various Contractor: Various Award Design: On-Going Award Construction: On-Going Anticipated Completion: On-Going Total Project Value: \$1,750,000
Construction			130.0	130.0	130.0	390.0	
Contingency			13.0	13.0	13.0	39.0	
Inspection/Other			13.0	13.0	13.0	39.0	
TOTAL:		-	175.0	175.0	175.0	525.0	
Source of Funds							
Commercial Paper/Revenue Bd			175.0	175.0	175.0	525.0	
TOTAL:		-	175.0	175.0	175.0	525.0	

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, 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.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Storm Water</u></p> <p align="right">Sequence #16</p> <p>PROJECT TITLE: <u>Lifecycle Pipe Rehabilitation and Replacement</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>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 and / or replace as required. This project will be implemented in a phased approach as funding allows.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			30.0	15.0	15.0	60.0	Capital Budget Project No: 13003
Construction			400.0	160.0	160.0	720.0	Engineering Project No: TBD
Contingency			40.0	15.0	15.0	70.0	Finance Project No: TBD
Inspection/Other			30.0	10.0	10.0	50.0	A/E Consultant: Various
TOTAL:		-	500.0	200.0	200.0	900.0	Contractor: Various
Source of Funds							Award Design: On-Going
Commercial Paper/Revenue Bd			500.0	200.0	200.0	900.0	Award Construction: On-Going
TOTAL:		-	500.0	200.0	200.0	900.0	Anticipated Completion: On-Going Total Project Value: \$2,300,000

OPERATIONAL IMPACT:

This project will systematically replace aging infrastructure with new pipe, reducing maintenance and expensive repairs, as well as preventing costly street repairs that may be attributed to pipe collapses.

PROJECT DESCRIPTION

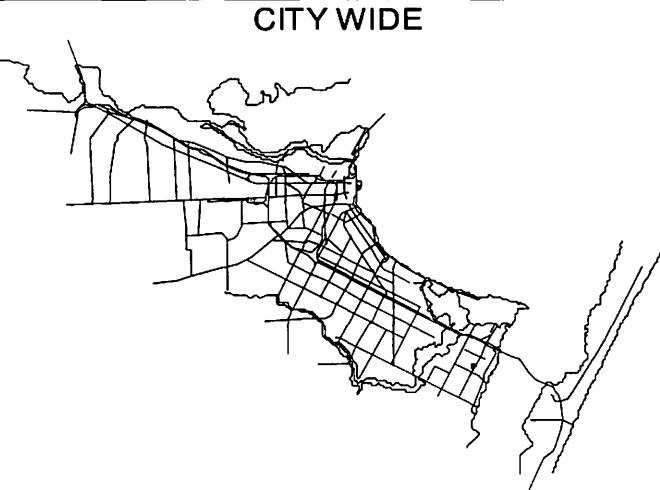
<p>DEPARTMENT: <u>Storm Water</u></p> <p align="right">Sequence #17</p> <p>PROJECT TITLE: <u>Storm Water Project Prioritization</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>DESCRIPTION: The Storm Water Master Drainage Plan included proposed improvements for drainage infrastructure designed to meet proposed drainage criteria for future conditions. This project continues to build on the assessing and prioritization of these improvements, by modeling the existing drainage system, and comparing the level of service between the existing and proposed improvements in conjunction with the anticipated costs of the proposed improvements. This next phase of the project continues previous work to assess the return on investment for proposed improvements and may be used as a tool to assess prioritization of future major channel and infrastructure projects having drainage areas in excess of 200 acres.</p>	<p>CITY WIDE</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering		15.0	20.0	20.0	120.0	175.0	Capital Budget Project No: 09002 Engineering Project No: 2083 Finance Project No: 160270 A/E Consultant: CH2MHILL Contractor: N/A Award Design: On-Going Award Construction: N/A Anticipated Completion: N/A Total Project Value: \$9,700,000
Construction		150.0	240.0	240.0	1,400.0	2,030.0	
Contingency		15.0	20.0	20.0	140.0	195.0	
Inspection/Other		20.0	20.0	20.0	140.0	200.0	
TOTAL:		200.0	300.0	300.0	1,800.0	2,600.0	
Source of Funds							
Commercial Paper/Revenue Bd		200.0	300.0	300.0	1,800.0	2,600.0	
TOTAL:		200.0	300.0	300.0	1,800.0	2,600.0	

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 DESCRIPTION

<p>DEPARTMENT: <u>Storm Water</u></p> <p align="right">Sequence #18</p> <p>PROJECT TITLE: <u>Bridge Rehabilitation</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>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.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering		175.0	75.0	75.0	100.0	425.0	Capital Budget Project No: 12005 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: RVE Contractor: N/A Award Design: Pending Award Construction: N/A Anticipated Completion: N/A Total Project Value: \$2,090,000
Construction			100.0	100.0	600.0	800.0	
Contingency					65.0	65.0	
Inspection/Other		25.0	25.0	25.0	65.0	140.0	
TOTAL:		200.0	200.0	200.0	830.0	1,430.0	
Source of Funds							
Commercial Paper/Revenue Bd		200.0	200.0	200.0	830.0	1,430.0	
TOTAL:		200.0	200.0	200.0	830.0	1,430.0	

OPERATIONAL IMPACT:
 Identifying and prioritizing repairs to the critical to avoid potential "cave-ins" that may result in undermining of adjacent public/private structures including streets, utility lines, buildings, 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 DESCRIPTION

DEPARTMENT: Storm Water

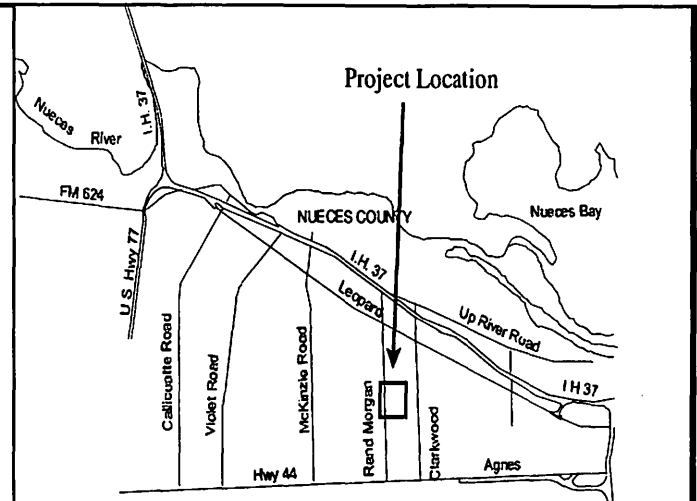
Sequence #19

PROJECT TITLE: McNorton 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)

DESCRIPTION:

McNorton Subdivision is located south of Leopard Street, east of Rand Morgan Road, and west of Clarkwood Road. This project will provide improvements to the McNorton Ditch to improve drainage from the McNorton Subdivision and Gilliam Street Industrial area, as well as other channel basin areas. This phased approach will provide critical channel and infrastructure improvements to address slope stabilization, long-term maintenance and drainage flow line. The project also includes industrial area improvements such as new inlets, surface embankments and other best management practices to reduce flooding. Phase 1A is complete and future phases are required to minimize erosion and potentially increase capacity and reduce water elevations. They will take place in future years as funding is available.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			50.0		30.0	80.0	Capital Budget Project No: 04010 Engineering Project No: TBD Finance Project No: TBD PHASE TWO WORK: A/E Consultant: Maverick Engineering Contractor: TBD Award Design: On-Going Award Construction: Fiscal Year '13 Anticipated Completion: TBD Total Project Value: \$750,000
Construction				210.0	300.0	510.0	
Contingency			25.0	20.0	35.0	80.0	
Inspection/Other			25.0	20.0	35.0	80.0	
TOTAL:		-	100.0	250.0	400.0	750.0	
Source of Funds							
Commercial Paper/Revenue Bd			100.0	250.0	400.0	750.0	
TOTAL:		-	100.0	250.0	400.0	750.0	

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, 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.

PROJECT DESCRIPTION

DEPARTMENT: Storm Water

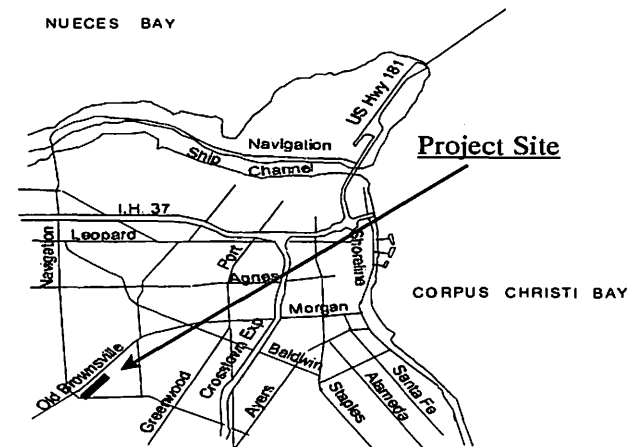
Sequence #20

PROJECT TITLE: Horne 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)

DESCRIPTION:

There are multiple areas experiencing slough-off along Horne Ditch near the Gabe Lozano Golf Course, with potential for encroachment on private property and outside the drainage easement. The project will identify solutions to restore and improve the drainage profile which may include replacing portions of the existing ditch with a concrete box culvert or similar structure and will employ erosion control measures including slope stabilization, soil treatment, vegetative cover and other best management practices. Design for the project was awarded under a previous contract, but work will not be completed until Fiscal Year '14



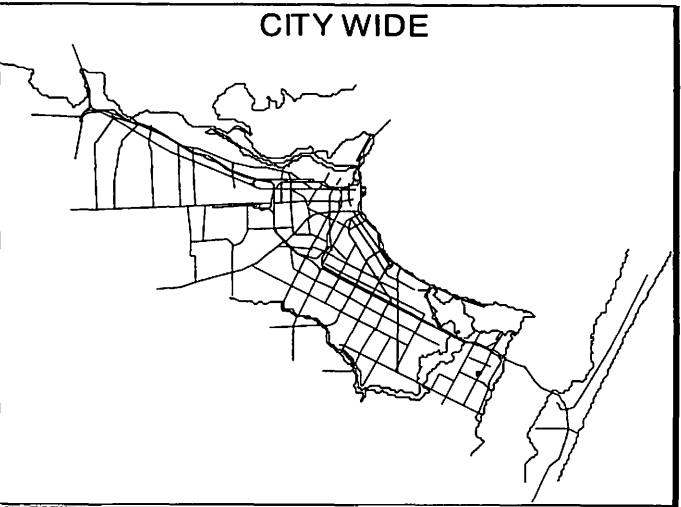
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			250.0			250.0	Capital Budget Project No: 09004 Engineering Project No: 2303 Finance Project No: 160360 A/E Consultant: HDR Contractor: TBD Award Design: May '09 Award Construction: Fiscal Year '14 Anticipated Completion: Fiscal Year '15 Total Project Value: \$1,636,100
Construction				1,000.0		1,000.0	
Contingency				150.0		150.0	
Inspection/Other	36.1		50.0	150.0		200.0	
TOTAL:	36.1	-	300.0	1,300.0	-	1,600.0	
Source of Funds							
Commercial Paper/Revenue Bd	36.1		300.0	1,300.0		1,600.0	
TOTAL:	36.1	-	300.0	1,300.0	-	1,600.0	

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, 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.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Storm Water</u></p> <p align="right">Sequence #21</p> <p>PROJECT TITLE: <u>Developer Participation - Storm Water</u> <i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>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.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering Construction Contingency Inspection/Other			150.0	150.0	150.0	450.0	Capital Budget Project No: 13001 Engineering Project No: Various Finance Project No: Various A/E Consultant: TBD
TOTAL:		-	150.0	150.0	150.0	450.0	Contractor: TBD
Source of Funds							Award Design: TBD
Commercial Paper/Revenue Bd			150.0	150.0	150.0	450.0	Award Construction: TBD
TOTAL:		-	150.0	150.0	150.0	450.0	Anticipated Completion: TBD Total Project Value: \$1,500,000

OPERATIONAL IMPACT:

This item should increase storm water revenues through increased usage.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Storm Water</u></p> <p style="text-align: right;">Sequence #22</p> <p>PROJECT TITLE: <u>Charles Drive Outfall (Supports Bond 2008)</u> <i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)</i></p> <p>DESCRIPTION: This project is part of the Bond 2008 Charles 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 improvements are necessary to move the additional flows associated with the street and other storm water improvements such as curb & gutter, inlets and underground drainage. This project also addresses collection of storm water along Harrington up to Leopard Street.</p>	<p>Project Location</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering							Capital Budget Project No: 10001 Engineering Project No: E09022 Finance Project No: E09022 A/E Consultant: Bass & Welch Contractor: TBD Award Design: March '10 Award Construction: August '12 Anticipated Completion: April '13 Total Project Value: \$750,000
Construction		650.0				650.0	
Contingency		65.0				65.0	
Inspection/Other		35.0				35.0	
TOTAL:		750.0	-	-	-	750.0	
Source of Funds							
Commercial Paper/Revenue Bd		750.0				750.0	
TOTAL:		750.0	-	-	-	750.0	

OPERATIONAL IMPACT:
 This project provides critical conveyance to reduce localized flooding and additional storm water flows with the street improvement projects. The new outfall enhances opportunity for continued development of adjacent areas within the drainage service area.

PROJECT DESCRIPTION

DEPARTMENT: Storm Water

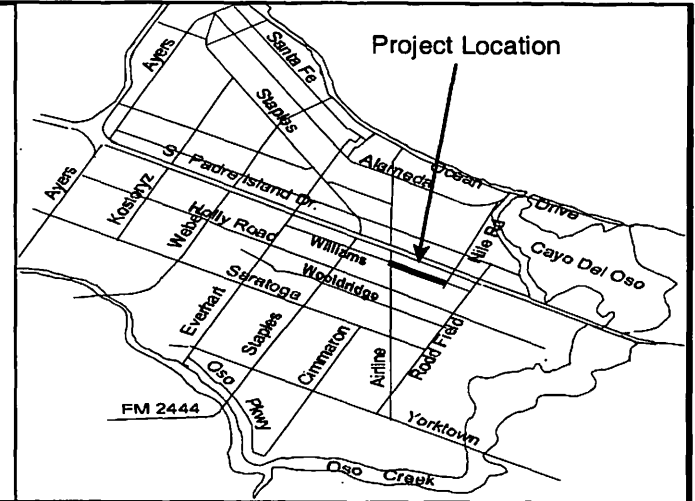
Sequence #23

PROJECT TITLE: Williams Drive Outfall (Supports Bond 2008)

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)

DESCRIPTION:

This project is part of the Bond 2008 Williams Drive Street 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. The open channel drainage ditch east of Rodd Field Road will be improved to convey additional water due to improvements associated with Williams Drive. The project will also help alleviate flooding problems along Williams Drive. This project is being designed as part of the William Drive Phase 1 and Phase 2 Street Projects.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering		750.0				750.0	Capital Budget Project No: 10004 Engineering Project No: E09025 Finance Project No: E09025 A/E Consultant: RVE Contractor: TBD Award Design: N/A Award Construction: June '12 Anticipated Completion: January '15 Total Project Value: \$8,000,000
Construction		200.0	2,800.0	3,250.0		6,250.0	
Contingency	2.4	17.6	280.0	325.0		622.6	
Inspection/Other	30.0		170.0	175.0		345.0	
TOTAL:	32.4	967.6	3,250.0	3,750.0	-	7,967.6	
Source of Funds							
Commercial Paper/Revenue Bd	32.4	967.6	3,250.0	3,750.0		7,967.6	
TOTAL:	32.4	967.6	3,250.0	3,750.0	-	7,967.6	

OPERATIONAL IMPACT:

This project provides critical conveyance to reduce localized flooding and additional storm water flows with the street improvement projects. The new outfall enhances opportunity for continued development of adjacent areas within the drainage service area.

PROJECT DESCRIPTION

DEPARTMENT: Storm Water

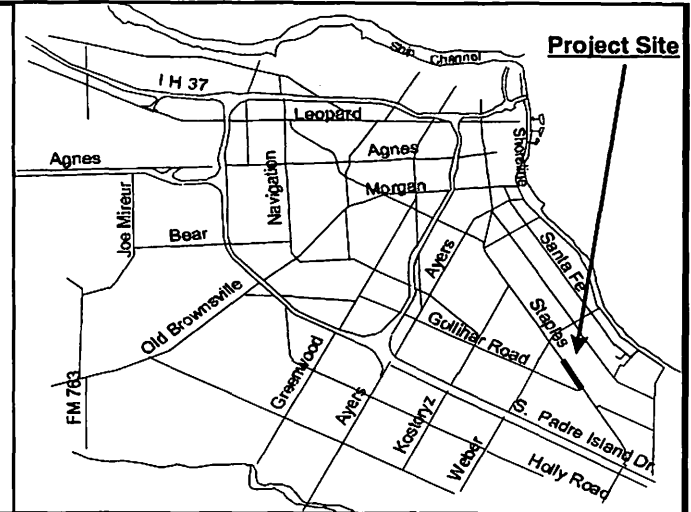
Sequence #24

PROJECT TITLE: Staples Street Outfall (Supports Bond 2008)

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55, 56 & 58-60; 2009 Storm Water Master Plan (draft)

DESCRIPTION:

This project supports two of the Bond 2008 Staples Street projects and is necessary to accommodate the projected storm water flows for the area. It provides for the off-site drainage improvements required to convey the storm water from the project site to the receiving outfall waters. The improvements are necessary to move the additional flows associated with the street and other storm water improvements such as curb and gutter, inlets, and underground drainage. The Carmel Parkway drainage ditch will be improved to convey waters to its outfall in Corpus Christi Bay. Improvements will help alleviate flooding in the Carmel Drainage Basin.



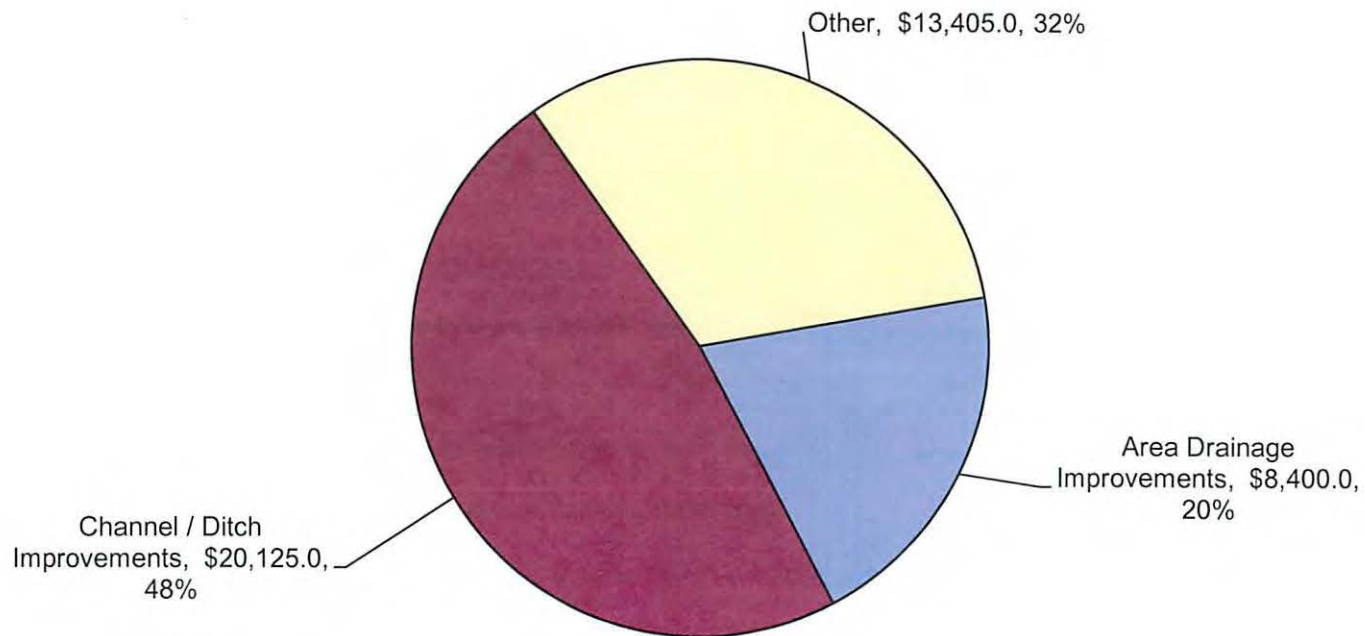
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering							Capital Budget Project No: 11005
Construction			3,250.0	850.0	2,500.0	6,600.0	Engineering Project No: TBD
Contingency			200.0	85.0	250.0	535.0	Finance Project No: TBD
Inspection/Other			130.0	74.7	279.1	483.8	A/E Consultant: LNV, Inc.
TOTAL:		-	3,580.0	1,009.7	3,029.1	7,618.8	Contractor: TBD
Source of Funds							Award Design: May 2010
Commercial Paper/Revenue Bd			3,580.0	1,009.7	3,029.1	7,618.8	Award Construction: Fiscal Year '13
TOTAL:		-	3,580.0	1,009.7	3,029.1	7,618.8	Anticipated Completion: Fiscal Year '15 Total Project Value: \$7,618,800

OPERATIONAL IMPACT:

This project provides critical conveyance to reduce localized flooding and additional storm water flows with the street improvement projects. The new outfall enhances opportunity for continued development of adjacent areas within the drainage service area.

**Storm Water
Long-Range CIP: \$41,930.0
(Amounts in 000's)**



STORM WATER LONG-RANGE CIP

		<u>Long-Range Year</u>
LR 01	<u>Indefinite Delivery/Indefinite Quantity (IDIQ) Major Ditch Improvements (Continuation)</u> 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.	\$3,500,000 4, 5, 6, 7, 8, 9, 10
LR 02	<u>Lifecycle Curb and Gutter Replacement (Continuation)</u> This is an ongoing project where damaged, rolled and failed curb and gutter is removed and replaced along with associated pavement repair throughout 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.	\$4,200,000 4, 5, 6, 7, 8, 9, 10
LR 03	<u>Minor Storm Drainage Improvements (Continuation)</u> This yearly project will involve minor storm water conveyance improvements, re-contouring, excavation, clearing and other various improvements to ditches and channels, upgrading box culverts and 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. Improvements will take place on a routine basis to the extent funding allows.	\$3,500,000 4, 5, 6, 7, 8, 9, 10
LR 04	<u>Unanticipated Storm Water Requirements (Continuation)</u> These are the storm water funds to be made available on a yearly basis for unanticipated projects or emergencies.	\$1,750,000 4, 5, 6, 7, 8, 9, 10
LR 05	<u>La Volla Creek Channel Excavation (Continuation)</u> 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 for conveyance to the Oso Creek. Phase I includes the removal of vegetation from the channel and channel widening in the vicinity of the bridge and the first 3,000 ft. down stream. Phase II includes the balance of the channel improvements.	\$8,000,000 4, 5, 6, 7
LR 06	<u>Oso Creek Basin Drainage Relief (Continuation)</u> The drainage profiles of Oso Creek east of the LaVolla Creek confluence shows several constrictions which impact the base flood elevations upstream. This project will investigate the feasibility of constructing additional creek conveyance capacity for high flow events. If the investigation shows a significant potential to impact the base flood elevation; then construction funds will be pursued to complete the project in future years.	\$3,000,000 4, 5, 6, 7

**STORM WATER
LONG-RANGE CIP**

LR 07	<u>Major Outfall Assessment and Repairs (Continuation)</u>	<u>\$2,100,000</u>	4, 5, 6, 7, 8, 9, 10
	<p>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 St., Power St. and Louisiana). The purpose of this current project is to provide an updated assessment, focusing in particular on 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.</p>		
LR 08	<u>Developer Participation (Continuation)</u>	<u>\$900,000</u>	4, 5, 6, 7, 8, 9
	<p>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.</p>		
LR 09	<u>Lifecycle Pipe Rehabilitation / Replacements</u>	<u>\$1,400,000</u>	4, 5, 6, 7, 8, 9
	<p>The purpose of this project is to systematically rehabilitate and / or replace aging storm water infrastructure city-wide. This project will asses the existing condition of clay pipe and other aging systems that have reached the end of their useful service life and rehabilitate and / or replace as required. This project will be implemented in a phased approach as funding allows.</p>		
LR 10	<u>Meadowbrook / Egyptian Ditch/USACE Mitigation</u>	<u>\$1,400,000</u>	4, 5, 6, 7, 8, 9
	<p>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.</p>		
LR 11	<u>Salt Flats Drainage, Phase 3</u>	<u>\$500,000</u>	4
	<p>The Salt Floats Drainage System consists of box culverts and open channel from approximately Leopard Street to the Ship Channel. The project has recently had numerous improvements constructed in three separate phases. Additional work may be required as the new Broadway Wastewater Treatment Plant comes on-line in the near future.</p>		

**STORM WATER
LONG-RANGE CIP**

LR 12	<u>Schanen Ditch Improvements (Continuation)</u>	<u>\$4,700,000</u>	4, 5, 6, 7, 8, 9, 10
	<p>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.</p>		
LR 13	<u>Minor Ditch / Channel Improvements (Continuation)</u>	<u>\$1,225,000</u>	4, 5, 6, 7, 8, 9, 10
	<p>The City has approximately 14 miles of minor ditches. As part of the programmatic approach, this project will identify and prioritize ditch improvements to include regrading, 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>		
LR 14	<u>Concrete Lined Channel Rehabilitation (Continuation)</u>	<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.</p>		
LR 15	<u>Storm Water Master Drainage Plan (Project Prioritization) (Continuation)</u>	<u>\$1,400,000</u>	4, 5, 6, 7, 8, 9, 10
	<p>The Storm Water Master Drainage Plan includes proposed improvements for drainage infrastructure, designed to meet proposed drainage criteria for future conditions. This project continues to build on the assessing and prioritization of these improvements, by modeling the existing drainage system, and comparing the level of service between the existing and proposed improvements in conjunction with the anticipated costs of the proposed improvements. This next phase of the project continues previous work to assess the return on investment for proposed improvements and may be used as a tool to assess prioritization of future major channel and infrastructure projects having drainage areas in excess of 200 acres.</p>		
LR 16	<u>Bridge Rehabilitation (Continuation)</u>	<u>\$1,490,000</u>	4, 5
	<p>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</p>		

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LR 17	<u>Utility Building Expansion</u>	<u>\$1,565,000</u>	4, 5, 6
	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.		
LR 18	<u>Lindale Phase II Neighborhood Drainage Improvements</u>	<u>TBD</u>	Pending Not Included in Total
	The Lindale Area Subdivision experienced frequent flooding during nominal rain events. Previous phases of this project extended a large underground box culvert from Shoreline to Reid Drive. This phase of the project provides for extension of the drainage trunk main and new laterals with inlets to reduce flooding.		
LR 19	<u>Ayers Street Drainage Improvements</u>	<u>TBD</u>	Pending Not Included in Total
	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.		

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<u>LR 20 Belaire Park Subdivision Drainage Improvements</u>	<u>TBD</u>	Pending Not Included in Total
<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>		
<u>LR 21 Brighton Village Drainage Improvements</u>	<u>TBD</u>	Pending Not Included in Total
<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 analyses shows that there are several contributing causes; the main one is the light hydraulic grades in the Wooldridge Staples Channel down stream of Cimarron. 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. The 'temporary' ditches between the subdivision and Saratoga 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>		
<u>LR 22 Castle River Drainage Improvements</u>	<u>TBD</u>	Pending Not Included in Total
<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>		
<u>LR 23 CC Beach Drainage - Timon, Rincon Channel, CC Bay</u>	<u>TBD</u>	Pending Not Included in Total
<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>		

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<p><u>LR 24 Central Park Subdivision Drainage Improvements</u></p> <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</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</p>	<p>TBD</p>	<p>Pending Not Included in Total</p>
<p><u>LR 25 Chula Vista Area Drainage Improvements</u></p> <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>	<p>TBD</p>	<p>Pending Not Included in Total</p>
<p><u>LR 26 Cimarron Drainage Concrete Pilot Channel</u></p> <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>	<p>TBD</p>	<p>Pending Not Included in Total</p>
<p><u>LR 27 Club Estates, Phase II (Box Culvert Extension to Everhart)</u></p> <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>	<p>TBD</p>	<p>Pending Not Included in Total</p>
<p><u>LR 28 Comfort Inn @ US77</u></p> <p>The continued development along US77 has created excess surface flows that require increased underground drainage structures.</p>	<p>TBD</p>	<p>Pending Not Included in Total</p>

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<p>LR 29 <u>Crestmont Subdivision Area Drainage Improvements</u></p> <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.</p> <p>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>	<p>TBD</p> <p>Pending Not Included in Total</p>
<p>LR 30 <u>Cullen Place Subdivision Drainage Improvements</u></p> <p>This area is generally bordered by Airline, 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>	<p>TBD</p> <p>Pending Not Included in Total</p>
<p>LR 31 <u>Cupier/Portairs/Edgewood Park Drainage Improvements</u></p> <p>The Cupier/Portairs/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 Cupier 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>	<p>TBD</p> <p>Pending Not Included in Total</p>
<p>LR 32 <u>Downtown Drainage Improvements, Phase 3 - Hughes Street Pump Station Interceptor and Discharge</u></p> <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 1100 cubic feet per second 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>	<p>TBD</p> <p>Pending Not Included in Total</p>

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<p>LR 33 <u>Drainage Channel Excavation – Clarkwood Ditch from Hwy 44 to Oso Creek</u> TBD</p> <p>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.</p>	<p>Pending Not Included in Total</p>
<p>LR 34 <u>Drainage Channel Excavation - Master Channel No. 29</u> TBD</p> <p>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.</p>	<p>Pending Not Included in Total</p>
<p>LR 35 <u>Ebony Acres Subdivision Drainage Improvements</u> TBD</p> <p>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 to Hampshire; 2 – 10' x 4' box culverts from Hampshire to Horizon; and 3 – 10' x 4' box culverts from Horizon to I-37. Work also includes filling the existing ditch and connecting existing storm sewer outlets to the closed system.</p>	<p>Pending Not Included in Total</p>
<p>LR 36 <u>Gollihar Drive System - Ayers to Ocean Drive</u> TBD</p> <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>	<p>Pending Not Included in Total</p>
<p>LR 37 <u>Graham Road Area Drainage Improvements - O'Neal Channel / Compton</u> TBD</p> <p>This project provides for the upgrade of the Graham Road drainage system to convey the discharge of a 100-year frequency rainfall event. The system is undersized and cannot convey the discharge from storms of any significant magnitude.</p>	<p>Pending Not Included in Total</p>

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<p>LR 38 Greenwood Park Area Drainage Improvements</p> <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>	<p>TBD</p> <p>Pending Not Included in Total</p>
<p>LR 39 Herford Road Storm Drainage Improvements</p> <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. Herford Road runs south to north approximately in the center of this mainly industrial area. The existing drainage is into ditches on either side of Herford 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 Herford 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>	<p>TBD</p> <p>Pending Not Included in Total</p>
<p>LR 40 Inwood Village Area Drainage Improvements</p> <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>	<p>TBD</p> <p>Pending Not Included in Total</p>
<p>LR 41 Lamar Park Subdivision Area Drainage Improvements</p> <p>This area is bordered by Santa Fe, Everhart, Alameda and Brawner Parkway and is characterized by surface runoff with little underground storm sewer pipe. The area drains from Alameda toward Santa Fe. 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>	<p>TBD</p> <p>Pending Not Included in Total</p>

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<p>LR 42 Lindale Senior Center Drainage Improvements, Phase 3</p> <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</p>	<p>TBD</p>	<p>Pending Not Included in Total</p>
<p>LR 43 Magee Drainage Ditch Improvements</p> <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>	<p>TBD</p>	<p>Pending Not Included in Total</p>
<p>LR 44 Mansheim Area Drainage Improvements</p> <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>	<p>TBD</p>	<p>Pending Not Included in Total</p>
<p>LR 45 Meadowbrook Subdivision Drainage Improvements</p> <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>	<p>TBD</p>	<p>Pending Not Included in Total</p>
<p>LR 46 Oso Place Subdivision Drainage Improvements</p> <p>This area is generally bordered by Whitaker St. Oso Golf Course, Woodlawn St., and McArldle 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>	<p>TBD</p>	<p>Pending Not Included in Total</p>
<p>LR 47 Parkdale Village Subdivision Drainage Improvements</p> <p>This subdivision is bounded by Gollihar Rd., Mildred St., Totton St., and French St. 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>	<p>TBD</p>	<p>Pending Not Included in Total</p>

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LR 48	<u>Ramfield Road Drainage Improvements</u>	TBD	Pending Not Included in Total
	<p>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.</p>		
LR 49	<u>Reflections Park Drainage Improvements</u>	TBD	Pending Not Included in Total
	<p>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.</p>		
LR 50	<u>Sam Houston Subdivision Drainage Improvements</u>	TBD	Pending Not Included in Total
	<p>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.</p> <p>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 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 and Brentwood.</p>		
LR 51	<u>Solar Estates Drainage Improvements</u>	TBD	Pending Not Included in Total
	<p>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.</p>		
LR 52	<u>Utica Street Drainage Improvements</u>	TBD	Pending Not Included in Total
	<p>This area is prone to frequent flooding with nominal storm events. The drainage system requires increased capacity for the inlets and underground system.</p>		

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<p>LR 53 <u>Village on the Green Area Drainage Improvements</u></p> <p>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.</p>	<p>TBD</p> <p>Pending Not Included in Total</p>
<p>LR 54 <u>West Broadway Drainage Improvements</u></p> <p>A 42-inch diameter line crosses W. Broadway at Cabra St. This line previously drained into a swale along a railroad spur line to Talcahuano 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.</p>	<p>TBD</p> <p>Pending Not Included in Total</p>
<p>LR 55 <u>Willow/Brawner Parkway/Procter Channel Outfall, Phase I</u></p> <p>The Gollihar Storm Box System and Brawner Parkway/Procter 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.</p>	<p>TBD</p> <p>Pending Not Included in Total</p>
<p>LR 56 <u>Windsor Park/Claremont Subdivision Drainage Improvements</u></p> <p>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.</p>	<p>TBD</p> <p>Pending Not Included in Total</p>
<p>LR 57 <u>Willow/Brawner Parkway/Procter Channel Outfall, Phase I</u></p> <p>The Gollihar Storm Box System and Brawner Parkway/Procter 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.</p>	<p>TBD</p> <p>Pending Not Included in Total</p>

TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:

\$41,930,000

Wastewater



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.

The proposed improvement projects address critical needs at several of the City's treatment plants. From process improvements to replacement plants, work planned for the next few years includes the continuing construction of a new Broadway Wastewater Plant; city-wide lift station rehabilitation; head works and grit system improvements at the Allison Plant; and various improvements to the Oso Water Reclamation plant, including interim ammonia processing improvements and Infiltration / Inflow collection system enhancements. A city-wide hydraulic model is near completion to address the Sanitary Sewer Overflow.

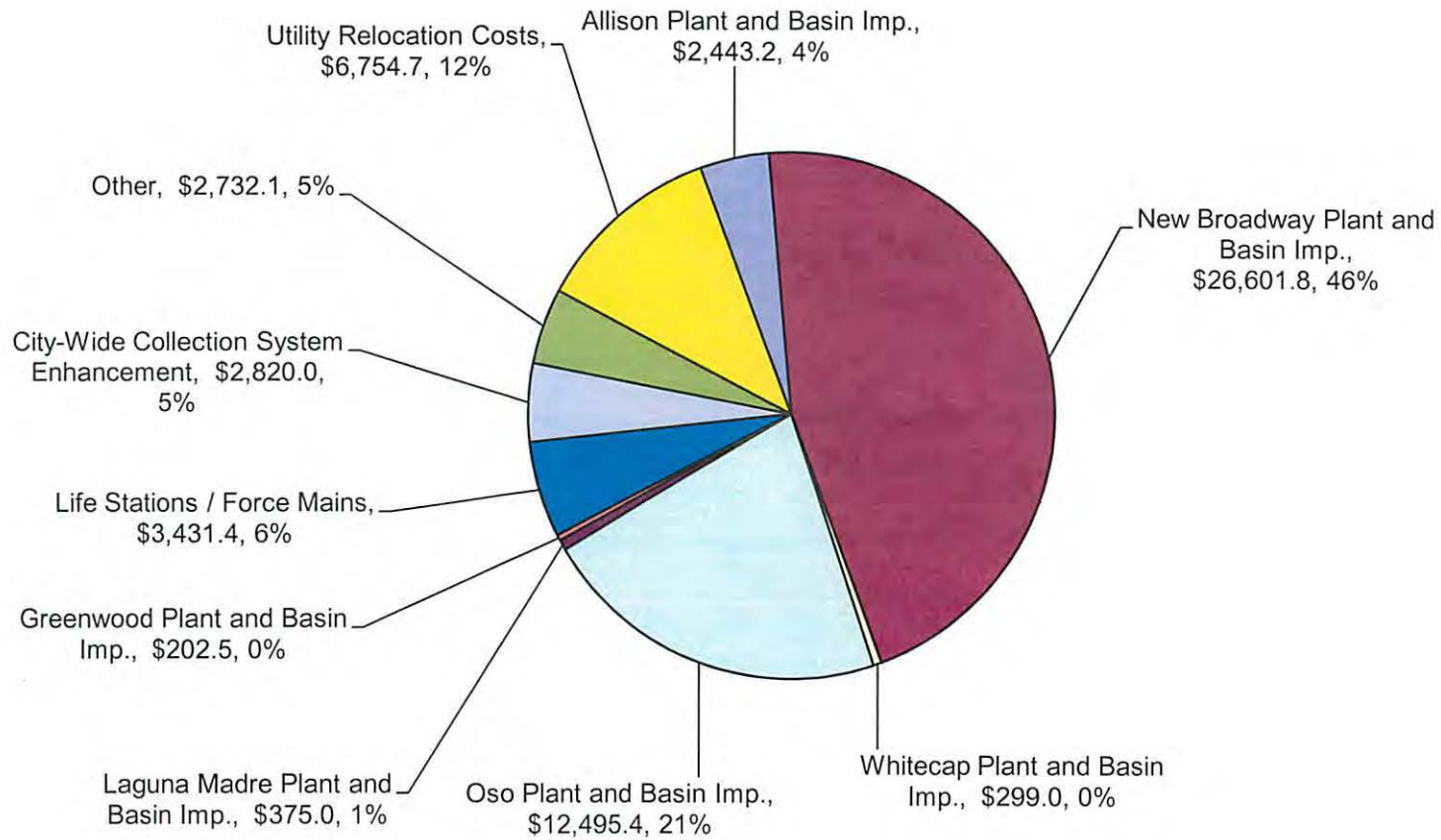
Over the next several years, the integrity of the City's Wastewater facilities will be secured through projects planned to provide additional capacity, emergency power, and replacement of deteriorated lines. In a proactive approach, an evaluation of the wastewater lines in the existing collection systems will result in a replacement schedule of lines in the poorest condition and those creating the most severe maintenance issues. This project 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.

A recap of the budgeted expenditures includes:

EXPENDITURES:	YEAR ONE 2012 – 2013	YEAR TWO 2012 – 2013	YEAR THREE 2013 – 2014
TOTAL PROGRAMMED EXPENDITURES:	\$ 58,155,100	\$ 32,337,700	\$ 45,670,400
FUNDING:			
Carry Forward (Commercial Paper / Revenue Bonds)	\$ 25,532,500	\$ 0	\$ 0
New Debt (Commercial Paper/Revenue Bonds):	\$ 32,622,600	\$ 32,337,700	\$ 45,670,400
TOTAL PROGRAMMED FUNDS:	\$ 58,155,100	\$ 32,337,700	\$ 45,670,400

**Relocation costs and funding reflected within Streets Program*

**Wastewater
Annual CIP: \$58,155.1
(Amounts in 000's)**



**WASTEWATER
SHORT RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
WW 01	New Broadway Plant Wastewater Treatment Plant Finance Number: 190130 Engineering Number: 7293	37,630.6	15,783.2	10,818.6	1,500.0	-	28,101.8
WW 02	Oso Water Reclamation Plant Interim Ammonia Improvements and Belt Press Facility Finance Number: E09007/150271 Engineering Number: 7423	1,354.1	1,117.4	7,518.0	2,027.0	-	10,662.4
WW 03	City-Wide Collection System Replacement and Rehabilitation Indefinite Delivery / Indefinite Quantity Program Finance Number: TBD Engineering Number: TBD	-	-	2,828.0	4,600.0	4,600.0	12,028.0
WW 04	City-Wide Hydraulic Model (SSOI) Finance Number: E10015 Engineering Number: E10015	2,167.4	-	1,015.0	-	-	1,015.0
WW 05	Allison WWTP Head Works & Grit System and Chemical Improvements Finance Number: 150725 Engineering Number: 7417	307.7	167.1	2,276.1	2,276.1	-	4,719.3
WW 06	McBride Lift Station and Force Main Improvements Finance Number: 200452 Engineering Number: 7287	567.8	1,652.0	720.0	2,950.0	-	5,322.0
WW 07	Lift Station Repairs - Citywide Finance Number: 150720 Engineering Number: 7415	1,045.8	-	225.0	1,000.0	1,000.0	2,225.0
WW 08	Clarkwood North Lift Station Header Repair Finance Number: 150497 Engineering Number: 7327	-	-	-	315.0	1,920.0	2,235.0

**WASTEWATER
SHORT RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
WW 09	Unanticipated Wastewater Capital Requirements Finance Number: TBD Engineering Number: TBD	-	-	150.0	200.0	250.0	600.0
WW 10	Greenwood WWTP Electrical Improvements to UV System Finance Number: E10180 Engineering Number: E10180	-	-	-	221.6	1,185.6	1,407.2
WW 11	Whitecap Wastewater Treatment Plant UV System Upgrade Finance Number: E10179 Engineering Number: E10179	0.1	89.0	210.0	1,675.0	1,675.0	3,649.0
WW 12	Laguna Madre WWTP Head Works & Bar Screen Improvements Finance Number: E10048 Engineering Number: E10048	-	-	375.0	2,000.0	2,000.0	4,375.0
WW 13	Oso Water Reclamation Plant Lift Stations Replacement Finance Number: TBD Engineering Number: TBD	-	-	750.0	2,400.0	3,610.0	6,760.0
WW 14	Laguna Shores Road Force Main Replacement Finance Number: E10054 Engineering Number: E10054	-	-	84.4	253.1	1,350.0	1,687.5
WW 15	Broadway Collection System Enhancement Program Finance Number: TBD Engineering Number: TBD	-	-	-	-	2,600.0	2,600.0
WW 16	Greenwood WWT Plant Emissions & Odor Control Improvements Finance Number: E10047 Engineering Number: E10047	-	-	202.5	1,920.0	675.0	2,797.5

**WASTEWATER
SHORT RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
WW 17	Oso Water Reclamation Plant Ammonia Upgrade to 20 MGD (FINAL) Finance Number: TBD Engineering Number: TBD	-	-	540.0	1,947.0	6,200.0	8,687.0
WW 18	Support of Downtown Redevelopment Projects (Wastewater Line and Manhole Replacement) Finance Number: TBD Engineering Number: TBD	-	-	200.0	200.0	450.0	850.0
WW 19	Oso Water Reclamation Plant Aerobic Digester # 3 Finance Number: TBD Engineering Number: TBD	-	-	-	85.0	690.0	775.0
WW 20	Sharpsburg Lift Station Upgrade & Rehabilitation Finance Number: 150265 Engineering Number: 7389	381.2	-	-	1,277.4	1,356.8	2,634.2
WW 21	Whitecap Wastewater Treatment Plant Odor Control Finance Number: E10053 Engineering Number: E10053	-	-	-	162.0	1,338.0	1,500.0
WW 22	Allison WWTP Process Piping Replacement Odor Control Replacement Finance Number: E10045 Engineering Number: E10045	-	-	-	380.0	1,560.0	1,940.0
WW 23	Homeland Security Improvements Finance Number: 150805 Engineering Number: 7430	-	22.5	90.0	90.0	-	202.5
WW 24	Citywide Wastewater Lift Station Alternate Power Supply: Williams Lift Station Finance Number: 150785 Engineering Number: 7427	-	-	-	585.0	5,660.0	6,245.0

**WASTEWATER
SHORT RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
WW 25	Oso WRP Effluent Re-Use Distribution System Phase 1 Finance Number: E10135 Engineering Number: E10135	484.5	3,320.0	-	-	-	3,320.0
WW 26	Wetlands Mitigation Bank Assessment Finance Number: E10017 Engineering Number: E10017	41.2	-	-	-	50.0	50.0
WW 27	Allison Plant Influent Lift Station Equipment and Electrical Replacement Finance Number: E10043 Engineering Number: E10043	-	-	-	300.0	3,000.0	3,300.0
WW 28	City-Wide Effluent Water Re-Use Master Plan Finance Number: E09010 Engineering Number: E09010	267.8	56.6	90.0	-	-	146.6
WW 29	Developer Utility Participation - Wastewater Finance Number: TBD Engineering Number: TBD	-	-	100.0	200.0	400.0	700.0
WW 30	Broadway Wastewater Plant Demolition Finance Number: TBD Engineering Number: TBD	-	-	1,000.0	2,000.0	4,000.0	7,000.0
	Wastewater Program Sub-Total:	44,248.2	22,207.8	29,192.6	30,564.2	45,570.4	127,535.0
	Utility Relocation Costs for Street Projects	4,005.3	3,324.7	3,430.0	1,773.5	100.0	8,628.2

* relocation costs and funding reflected within Streets Program

**WASTEWATER
SHORT RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total
	TOTAL PROGRAMMED EXPENDITURES:	48,253.5	25,532.5	32,622.6	32,337.7	45,670.4	136,163.2

CURRENTLY AVAILABLE FUNDING:

	Commercial Paper/Revenue Bond	48,253.5	-	-	-	-	-
	Total Currently Available:	48,253.5	-	-	-	-	-

RECOMMENDED ADDITIONAL FUNDING:

	**Commercial Paper/Revenue Bond	-	25,532.5	32,622.6	32,337.7	45,670.4	136,163.2
	TOTAL PROGRAMMED FUNDS:	48,253.5	25,532.5	32,622.6	32,337.7	45,670.4	136,163.2

*** Dependent upon availability of funding*

PROJECT DESCRIPTION

DEPARTMENT: Wastewater

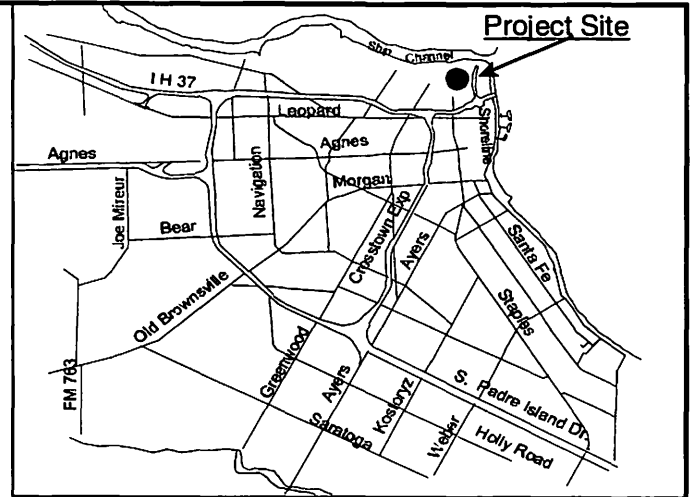
Sequence #01

PROJECT TITLE: New Broadway Wastewater Treatment Plant

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The existing Broadway Wastewater Treatment Plant is beyond its useful service life and capacity to provide reliable treatment. The project now under construction is a new 8 million gallons per day wastewater treatment plant located on land adjoining the existing plant, with a portion of the new plant built on top of existing Broadway Wastewater Plant facilities. The project includes the renovation of the Resaca Lift Station and provides for a new effluent outfall by separate construction contracts. The new plant will provide state of the art treatment, meet all State and Federal environmental requirements/permits, provide for odor control and be developed in a manner to minimize impacts within the community. Planning for the decommissioning of the existing Broadway Plant will start so that the old Broadway Plant can be removed as the new Plant comes on-line.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	8,449.4	713.9	245.6			959.5	Capital Budget Project No: 97005 Engineering Project No: 7293 Finance Project No: 190130 A/E Consultant: Freese & Nichols A/E Consultant: LNV Carollo, Inc. Contractor: Graham Construction Award Design: November '06 Award Construction: October '09 Anticipated Completion: Fiscal Year '14 Total Project Value: \$65,732,400
Construction	27,989.4	13,010.6	9,633.0	1,100.0		23,743.6	
Contingency		1,500.0	840.0	150.0		2,490.0	
Inspection/Other	1,191.8	558.7	100.0	250.0		908.7	
TOTAL:	37,630.6	15,783.2	10,818.6	1,500.0	-	28,101.8	
Source of Funds							
Commercial Paper/Revenue Bd	37,630.6	15,783.2	10,818.6	1,500.0		28,101.8	
TOTAL:	37,630.6	15,783.2	10,818.6	1,500.0	-	28,101.8	

OPERATIONAL IMPACT:

The Broadway Wastewater Treatment Plant was built in 1940, and renovated in 1981. Parts of the original plant remain in service after seventy years, and the last renovation, at nearly thirty years of age, is beyond its expected service life. Increased treatment capacity along with reduced equipment operations and maintenance costs will be achieved when the new plant goes on-line in FY 2014.

PROJECT DESCRIPTION

DEPARTMENT: Wastewater

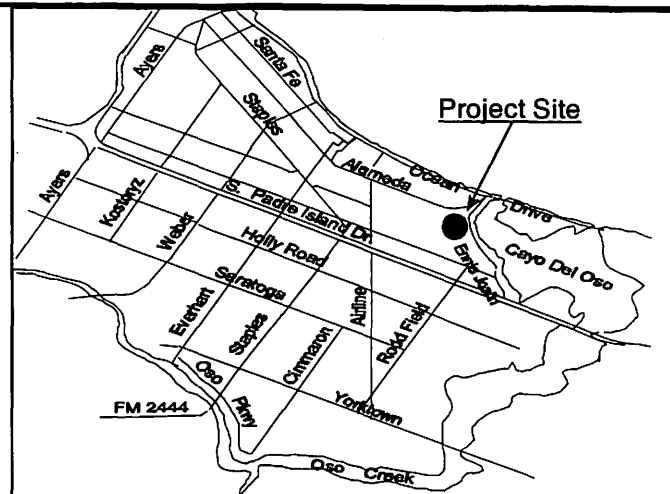
Sequence #02

PROJECT TITLE: Oso Water Reclamation Plant Interim Ammonia Improvements and Belt Press Facility

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

Effluent ammonia is now a permit requirement for the Oso Water Reclamation Plant (WRP). Oso Bay is on EPA's 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 permanent Ammonia Upgrade project will begin in Year 3 with preliminary design.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	1,059.7		100.0			100.0	Capital Budget Project No: 07002 Engineering Project No: E09007/7423 Finance Project No: E09007/15027 A/E Consultant: LNV/BHP Contractor: TBD Award Design: August '10 Award Construction: Fiscal Year '12 Anticipated Completion: Fiscal Year '13 Total Project Value: \$12,016,500
Construction	200.0	1,000.0	6,311.0	1,650.0		8,961.0	
Contingency		100.0	631.0	165.0		896.0	
Inspection/Other	94.4	17.4	476.0	212.0		705.4	
TOTAL:	1,354.1	1,117.4	7,518.0	2,027.0	-	10,662.4	
Source of Funds							
Commercial Paper/Revenue Bd	1,354.1	1,117.4	7,518.0	2,027.0		10,662.4	
TOTAL:	1,354.1	1,117.4	7,518.0	2,027.0	-	10,662.4	

OPERATIONAL IMPACT:

This project is under development and will begin interim nutrient removal requirements this Fiscal Year. Because of the ammonia reductions achieved with improvements to the Belt Press Facility, this work is being integrated into the interim improvements. These efforts are made in response to regulatory permitting requirements and failure to complete this project within recommended guidelines and timeframe may subject the City to TCEQ administrative penalties.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Wastewater</u></p> <p align="right">Sequence #03</p> <p>PROJECT TITLE: <u>City-Wide Collection System Replacement and Rehabilitation Indefinite Delivery/Indefinite Quantity Program</u></p> <p><i>Consistency with the Comprehensive Plan; Policy Statements pg. 48: 1 ,3 & 6; pp. 55-58; Wastewater Master Plan</i></p> <p>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 and 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. This is a base year project with three one-year option renewals subject to a re-procurement in Fiscal Year 2017.</p>	<p>CITY WIDE</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			125.0	200.0	200.0	525.0	Capital Budget Project No: 13001
Construction			2,400.0	4,000.0	4,000.0	10,400.0	Engineering Project No: TBD
Contingency			153.0	200.0	200.0	553.0	Finance Project No: TBD
Inspection/Other			150.0	200.0	200.0	550.0	A/E Consultant: RFQ
TOTAL:		-	2,828.0	4,600.0	4,600.0	12,028.0	Contractor: TBD
Source of Funds							Award Design: TBD
Commercial Paper/Revenue Bd			2,828.0	4,600.0	4,600.0	12,028.0	Award Construction: TBD
TOTAL:		-	2,828.0	4,600.0	4,600.0	12,028.0	Anticipated Completion: TBD
							Total Project Value: \$54,946,800

OPERATIONAL IMPACT:
 Normal flow to the City's wastewater treatment plants is about 30 million gallons 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 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 DESCRIPTION

DEPARTMENT: Wastewater

Sequence #04

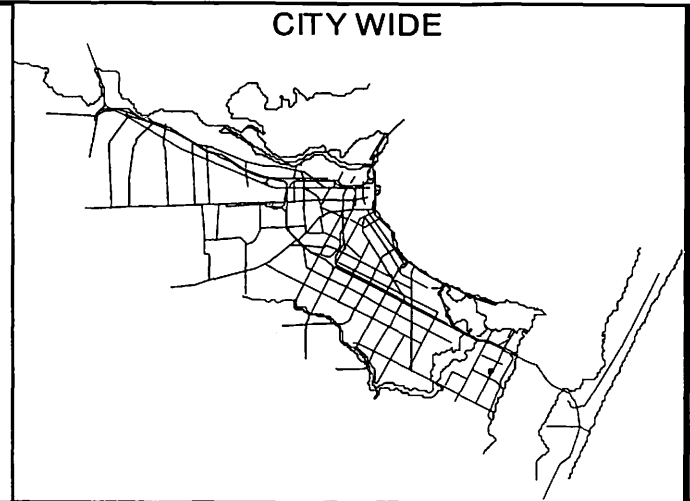
CITY WIDE

PROJECT TITLE: Citywide Hydraulic Model (SSOI)

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The hydraulic wastewater system model will equip the City with a powerful tool for analyzing system capacities, bottlenecks, and unwanted overflows before they actually occur. It will help facilitate the development of system improvements by using sound engineering methods and helps produce quality maps and calculations to support department needs. Capacity issues can be investigated in a timely fashion using this tool. This allows the City to predict potential capacity problems in advance and develop least cost strategies to optimize system performance. This project is required as part of the City's participation in the Texas Commission on Environmental Quality's Sanitary Sewer Overflow Initiative (SSOI) Program.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	2,162.9		1,000.0			1,000.0	Capital Budget Project No: 09019 Engineering Project No: E10015 Finance Project No: E10015 A/E Consultant: Pipeline Analysis Contractor: N/A Award Design: Fiscal Year '11 Award Construction: N/A Anticipated Completion: N/A Total Project Value: \$3,182,400
Construction							
Contingency							
Inspection/Other	4.5		15.0			15.0	
TOTAL:	2,167.4	-	1,015.0	-	-	1,015.0	
Source of Funds							
Commercial Paper/Revenue Bd	2,167.4		1,015.0			1,015.0	
TOTAL:	2,167.4	-	1,015.0	-	-	1,015.0	

OPERATIONAL IMPACT:

This project will assist the City in achieving anticipated cost reductions in the wastewater collection system through the improvement of equipment, processes, pipelines and procedures. Results of this model will be used to refine programming priorities anticipated in the various service areas.

PROJECT DESCRIPTION

DEPARTMENT: Wastewater

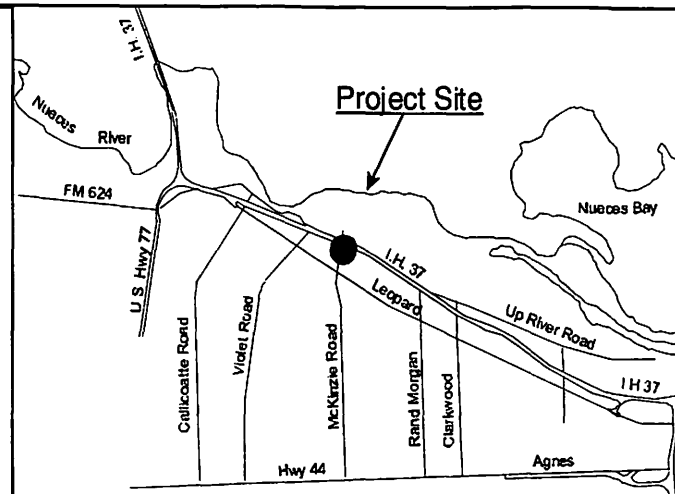
Sequence #05

PROJECT TITLE: Allison WWTP Head Works & Grit System and Chemical Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

This project provides for the design and construction for rehab/replacement of the bar screen and grit removal system at the Allison Wastewater Treatment Plant. The existing headworks and grit removal equipment is beyond its service life and is critical to operations and safety of the plant operators. The detailed design in progress is comprehensive and also considers future plant upgrades as part of a lifecycle strategy to extend the major systems and service life of the plant.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	264.5	125.7				125.7	Capital Budget Project No: 09001
Construction			1,908.1	1,908.1		3,816.2	Engineering Project No: 7417
Contingency			184.0	184.0		368.0	Finance Project No: 150725
Inspection/Other	43.2	41.4	184.0	184.0		409.4	A/E Consultant: Urban
TOTAL:	307.7	167.1	2,276.1	2,276.1	-	4,719.3	Contractor: TBD
Source of Funds							Award Design: April '09
Commercial Paper/Revenue Bd	307.7	167.1	2,276.1	2,276.1		4,719.3	Award Construction: Fiscal Year '13
TOTAL:	307.7	167.1	2,276.1	2,276.1	-	4,719.3	Anticipated Completion: Fiscal Year '14 Total Project Value: \$5,020,000

OPERATIONAL IMPACT:

This project will improve current plant operations by reduced chemical usage required for odor control, and lower energy and treatment costs fewer repairs of obsolete equipment and personnel required for repairs.

PROJECT DESCRIPTION

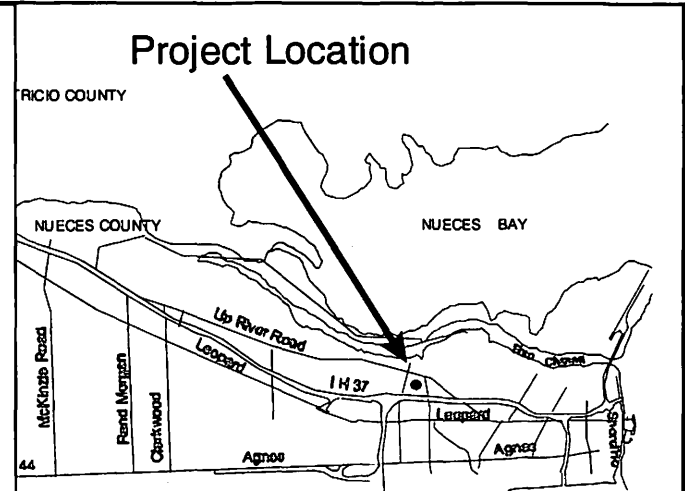
DEPARTMENT: Wastewater Sequence #06

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 complete reconstruction/rehabilitation of the force main system into McBride lift station is proposed. Subject to funds availability, improvements including new pumps, wet well and pump station controls will be procured or secured under a future procurement. The McBride Lift 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 long-term operational cost and to alleviate potential Texas Commission on Environmental Quality violations with lift station failures and resulting overflows.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	383.0		100.0			100.0	Capital Budget Project No: 09014 Engineering Project No: 7287 Finance Project No: 200452 FORCE MAIN WORK: A/E Consultant: Arcadis Contractor: Bridges Specialties Award Design: November '03 Award Construction: May '12 Anticipated Completion: January '13 Total Project Value: \$5,889,800
Construction	50.0	1,543.1	450.0	2,500.0		4,493.1	
Contingency			45.0	250.0		295.0	
Inspection/Other	134.8	108.9	125.0	200.0		433.9	
TOTAL:	567.8	1,652.0	720.0	2,950.0	-	5,322.0	
Source of Funds							
Commercial Paper/Revenue Bd	567.8	1,652.0	720.0	2,950.0		5,322.0	
TOTAL:	567.8	1,652.0	720.0	2,950.0	-	5,322.0	

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

<p>DEPARTMENT: <u>Wastewater</u></p> <p align="right">Sequence #07</p> <p>PROJECT TITLE: <u>Lift Station Repairs - Citywide</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan</i></p> <p>DESCRIPTION: 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.</p>	<p>CITY WIDE</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	150.8		75.0	75.0	75.0	225.0	Capital Budget Project No: 09019 Engineering Project No: 7415 Finance Project No: 150720 A/E Consultant: On-Going Contractor: On-Going Award Design: On-Going Award Construction: On-Going Anticipated Completion: On-Going Total Project Value: \$9,225,000
Construction	869.3			750.0	750.0	1,500.0	
Contingency				75.0	75.0	150.0	
Inspection/Other	25.7		150.0	100.0	100.0	350.0	
TOTAL:	1,045.8	-	225.0	1,000.0	1,000.0	2,225.0	
Source of Funds							
Commercial Paper/Revenue Bd	1,045.8		225.0	1,000.0	1,000.0	2,225.0	
TOTAL:	1,045.8	-	225.0	1,000.0	1,000.0	2,225.0	

OPERATIONAL IMPACT:

Through 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 DESCRIPTION

DEPARTMENT: Wastewater

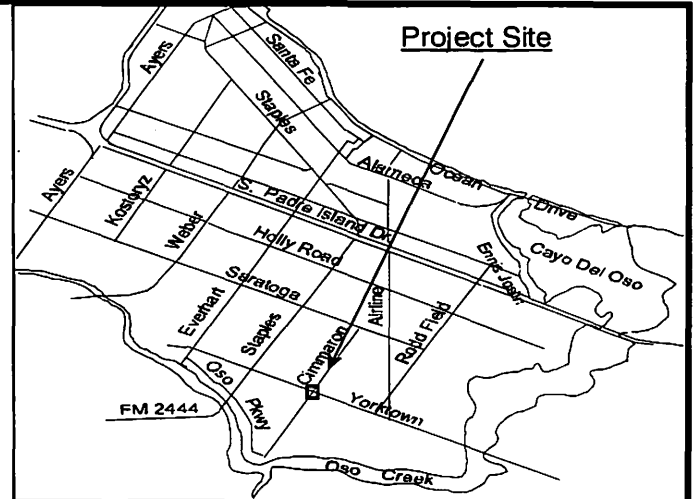
Sequence #08

PROJECT TITLE: Clarkwood North Lift Station Header Repair

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The complete reconstruction/rehabilitation of Clarkwood North Lift Station, header piping infrastructure and Force Main is proposed. The lift station and force main are beyond their service life and design capacity. This project is essential to reduce long-term operational cost and to alleviate potential Texas Commission on Environmental Quality (TCEQ) violations with lift station failures and resulting overflows. Year two funding provides for design of the lift station and construction will be completed in years three and four as funding allows.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering				260.0		260.0	Capital Budget Project No: 00004 Engineering Project No: 7327 Finance Project No: 150497 A/E Consultant: Naismith Contractor: TBD Award Design: Fiscal Year '14 Award Construction: Fiscal Year '15 Anticipated Completion: Fiscal Year '16 Total Project Value: \$3,195,000
Construction					1,650.0	1,650.0	
Contingency				25.0	165.0	190.0	
Inspection/Other				30.0	105.0	135.0	
TOTAL:		-	-	315.0	1,920.0	2,235.0	
Source of Funds							
Commercial Paper/Revenue Bd				315.0	1,920.0	2,235.0	
TOTAL:		-	-	315.0	1,920.0	2,235.0	

OPERATIONAL IMPACT:

Estimated operational impact should be negligible. Larger pumps will be installed, but they will have more efficient characteristics than the existing equipment. Also, increased usage due to development in the area should offset costs and alleviate pressure on other systems. Work will decrease overflows in the area and prevent enforcement actions by the Texas Commission on Environmental Quality.

PROJECT DESCRIPTION

DEPARTMENT: Wastewater

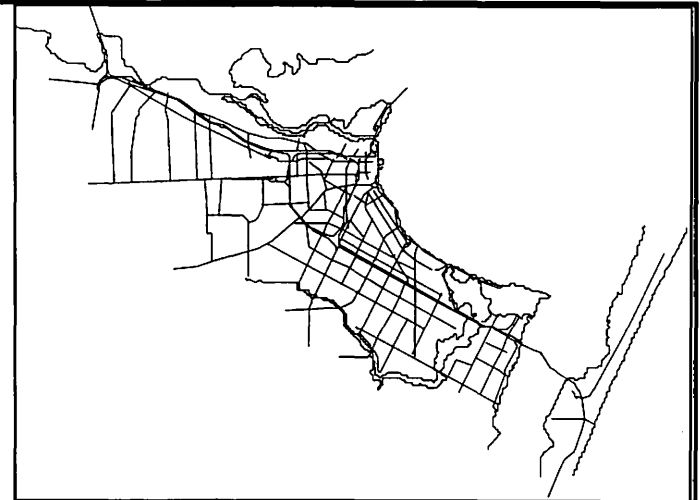
Sequence #09

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.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March 2012	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			150.0	200.0	250.0	600.0	Capital Budget Project No: 07009 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: TBD Contractor: TBD Award Design: TBD Award Construction: TBD Anticipated Completion: TBD Total Project Value: \$2,900,000
Construction							
Contingency							
Inspection/Other							
TOTAL:		-	150.0	200.0	250.0	600.0	
Source of Funds							
Commercial Paper/Revenue Bd			150.0	200.0	250.0	600.0	
TOTAL:		-	150.0	200.0	250.0	600.0	

OPERATIONAL IMPACT:

Without a firm project scope, at this time you cannot measure operational impact. It is anticipated to be negligible though.

PROJECT DESCRIPTION

DEPARTMENT: Wastewater

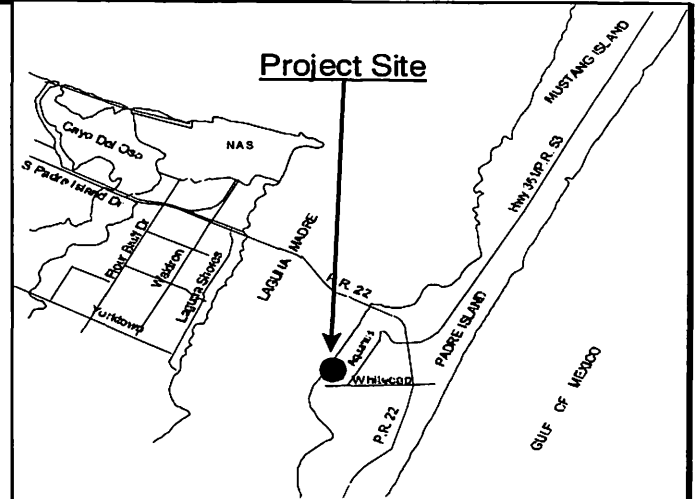
Sequence #11

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 ultra-violet disinfection system with additional filter upgrades to meet recently updated Texas Commission on Environmental Quality (TCEQ) Enterococcus Bacterial permit levels.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering		89.0	200.0			289.0	Capital Budget Project No: 10005 Engineering Project No: E10179 Finance Project No: E10179 A/E Consultant: FNI Contractor: TBD Award Design: Pending Award Construction: Fiscal Year '13 Anticipated Completion: Fiscal Year '14 Total Project Value: \$3,650,000
Construction				1,400.0	1,400.0	2,800.0	
Contingency				140.0	140.0	280.0	
Inspection/Other	0.1		10.0	135.0	135.0	280.0	
TOTAL:	0.1	89.0	210.0	1,675.0	1,675.0	3,649.0	
Source of Funds							
Commercial Paper/Revenue Bd	0.1	89.0	210.0	1,675.0	1,675.0	3,649.0	
TOTAL:	0.1	89.0	210.0	1,675.0	1,675.0	3,649.0	

OPERATIONAL IMPACT:

The operational impact on the electrical 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 DESCRIPTION

DEPARTMENT: Wastewater

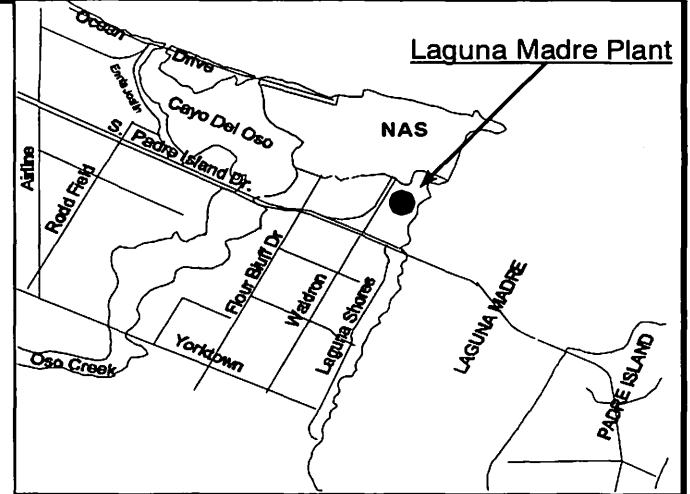
Sequence #12

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 are in need of replacement as they are approaching the end of their useful service life. Aging pump infrastructure and related equipment and controls will adversely affect wastewater treatment operations if they fail and could result in Texas Commission on Environmental Quality (TCEQ) fines. All electrical equipment and relays will need to be upgraded and replaced as well for optimal station performance.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			325.0			325.0	Capital Budget Project No: 11004
Construction				1,680.0	1,680.0	3,360.0	Engineering Project No: E10048
Contingency				160.0	160.0	320.0	Finance Project No: E10048
Inspection/Other			50.0	160.0	160.0	370.0	A/E Consultant: TBD
TOTAL:		-	375.0	2,000.0	2,000.0	4,375.0	Contractor: TBD
Source of Funds							Award Design: Fiscal Year '13
Commercial Paper/Revenue Bd			375.0	2,000.0	2,000.0	4,375.0	Award Construction: Fiscal Year '14
TOTAL:		-	375.0	2,000.0	2,000.0	4,375.0	Anticipated Completion: Fiscal Year '15 Total Project Value: \$4,375,000

OPERATIONAL IMPACT:

This project will enable the plant to run in a more economical and efficient manner. Operational impact is adversely affected when the lift station is not working at optimal levels.

PROJECT DESCRIPTION

DEPARTMENT: Wastewater

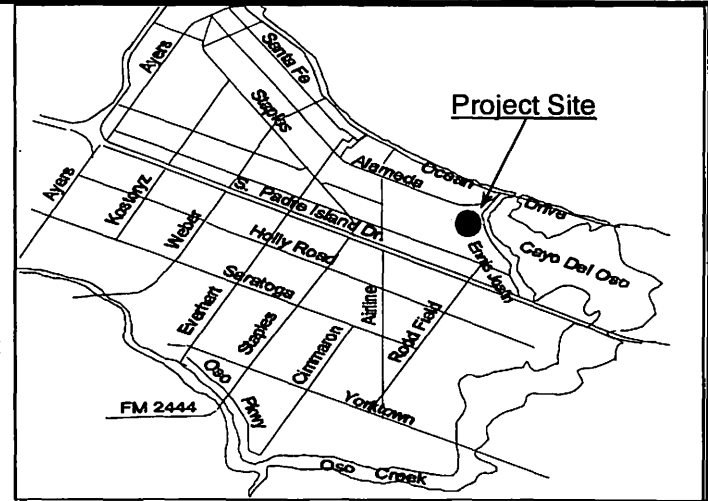
Sequence #13

PROJECT TITLE: Oso Water Reclamation Plant Lift Stations Replacement

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

The Oso Water Reclamation Plant (WRP) is rated to treat 16.2 million gallons per day (MGD) average daily flow and has a 2-hour peak flow rating of 98.3 MGD (peaking factor of 6). The plant is served by three (3) lift stations; Lift Station No.1, Lift Station No.2 and Williams Lift Station with design capacities of 22.9 MGD, 39.4 MGD, and 54.6 MGD respectively, for a total design capacity of 116.9 MGD. Presently, the current supporting Lift Station infrastructure for the Oso WRP is functional but remains challenged to provide sufficient capacity during peak weather events. This project will provide a new redundant lift station (50 MGD capacity) on the north side of Oso WRP whose redundant capability will ensure future wet weather peak flows can be readily moved to the plant headworks. It will be designed and subsequently constructed in a manner that provides for continuous plant operations.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March 2012	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			650.0			650.0	Capital Budget Project No: 12002
Construction				2,000.0	3,000.0	5,000.0	Engineering Project No: TBD
Contingency				200.0	300.0	500.0	Finance Project No: TBD
Inspection/Other			100.0	200.0	310.0	610.0	A/E Consultant: TBD
TOTAL:		-	750.0	2,400.0	3,610.0	6,760.0	Contractor: TBD
Source of Funds							Award Design: Fiscal Year '13
Commercial Paper/Revenue Bd			750.0	2,400.0	3,610.0	6,760.0	Award Construction: Fiscal Year '14
TOTAL:		-	750.0	2,400.0	3,610.0	6,760.0	Anticipated Completion: Fiscal Year '17 Total Project Value: \$6,760,000

OPERATIONAL IMPACT:

This project will be under design in Fiscal Year 14. One immediate operational cost savings will be removal of on-site Godwin rental pumps that currently provide emergency redundant capacity during peak weather storm events.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Wastewater</u></p> <p align="right">Sequence #14</p> <p>PROJECT TITLE: <u>Laguna Shores Road Force Main Replacement</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan</i></p> <p>DESCRIPTION: Two force mains exist on Laguna Shores Road. The existing PVC main is generally in good condition, but the 10-inch cast iron main has exceeded its useful life. The cast iron main is required for peak flow events and future capacity. Also due to proximity of the Laguna Madre, redundancy is needed for repairs of the force mains to prevent disruption of service.</p>	<p align="center">Project Site</p>
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			69.4	228.1		297.5	Capital Budget Project No: 110011 Engineering Project No: E10054 Finance Project No: E10054 A/E Consultant: RFQ Contractor: TBD Award Design: Fiscal Year '13 Award Construction: Fiscal Year '15 Anticipated Completion: Fiscal Year '16 Total Project Value: \$3,037,500
Construction					1,100.0	1,100.0	
Contingency					110.0	110.0	
Inspection/Other			15.0	25.0	140.0	180.0	
TOTAL:		-	84.4	253.1	1,350.0	1,687.5	
Source of Funds							
Commercial Paper/Revenue Bd			84.4	253.1	1,350.0	1,687.5	
TOTAL:		-	84.4	253.1	1,350.0	1,687.5	

OPERATIONAL IMPACT:
 This project will decrease current operational costs due to installation of a riser replacement will improve pump losses and use less power. This project will also assist with decreased overflows and prevent enforcement action from the Texas Commission on Environmental Quality.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Wastewater</u></p> <p style="text-align: right;">Sequence #15</p> <p>PROJECT TITLE: <u>Broadway Collection System Enhancement Program</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan</i></p> <p>DESCRIPTION: The Broadway Plant is generally able to treat well within permit requirements; however, during rainy periods, flows have exceeded 75% capacity at which time planning for expansion is required by the Texas Commission on Environmental Quality (TCEQ) regulations. One alternative to address this problem is by reducing infiltration and inflow (I/I). Proposed improvements involve identifying I/I problems by installing flow monitors and reducing I/I by rehabilitating collection lines, and lining or reconstructing manholes with fiberglass. This is a yearly project which will continue working on additional lines in this basin to the extent funding allows.</p>	
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March 2012	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering					200.0	200.0	Capital Budget Project No: 13002 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: RFQ Contractor: TBD Award Design: Fiscal Year '15 Award Construction: On-Going Anticipated Completion: On-Going Total Project Value: \$20,900,000
Construction					2,000.0	2,000.0	
Contingency					200.0	200.0	
Inspection/Other					200.0	200.0	
TOTAL:		-	-	-	2,600.0	2,600.0	
Source of Funds							
Commercial Paper/Revenue Bd					2,600.0	2,600.0	
TOTAL:		-	-	-	2,600.0	2,600.0	

OPERATIONAL IMPACT:
 Normal flow to the City's wastewater treatment plants is about 30 million gallons 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 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 DESCRIPTION

DEPARTMENT: Wastewater

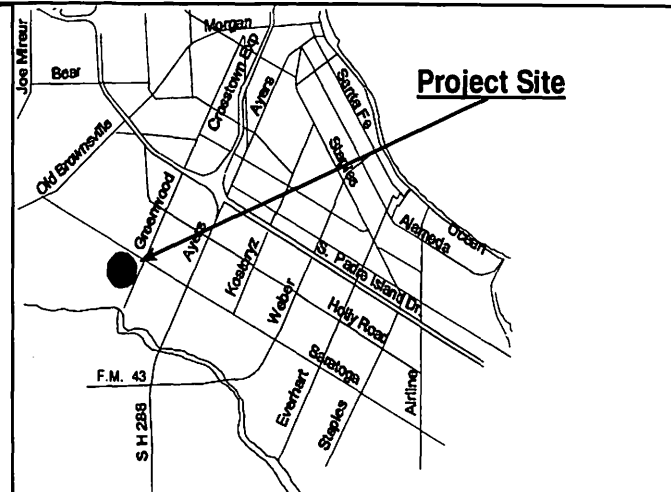
Sequence #16

PROJECT TITLE: Greenwood WWTP 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 had continuing issues with nuisance odors and Texas Commission on Environmental Quality (TCEQ) monitoring has resulted in citations and now requires additional odor abatement. Several areas, including the dissolved air flotation (DAF) unit needs odor minimization.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			170.0			170.0	Capital Budget Project No: 11003
Construction				1,400.0	550.0	1,950.0	Engineering Project No: E10047
Contingency				400.0	50.0	450.0	Finance Project No: E10047
Inspection/Other			32.5	120.0	75.0	227.5	A/E Consultant: TBD
TOTAL:		-	202.5	1,920.0	675.0	2,797.5	Contractor: TBD
Source of Funds							Award Design: Fiscal Year '13
Commercial Paper/Revenue Bd			202.5	1,920.0	675.0	2,797.5	Award Construction: Fiscal Year '14
TOTAL:		-	202.5	1,920.0	675.0	2,797.5	Anticipated Completion: Fiscal Year '14 Total Project Value: \$2,497,500

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 DESCRIPTION

DEPARTMENT: Wastewater

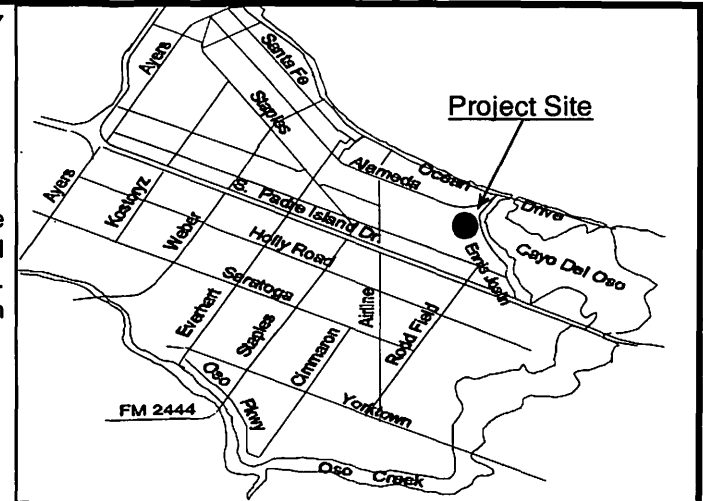
Sequence #17

PROJECT TITLE: Oso Water Reclamation Plant Ammonia Upgrade to 20 MGD (FINAL)

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

Under WW 02 (Oso WRP Interim Ammonia Improvements) design of recommended modifications is underway to the physical, chemical and biological treatment processes to the Oso WRP. This is necessary to ensure continued compliance with recent ammonia nutrient permit criteria and to expand the rated capacity from 16.2 MGD to 20.2 MGD. Anticipated improvements include a new headworks facility with screening, grit removal and odor control, a new aeration facility with fine bubble diffusion and process piping modifications throughout the plant.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			460.0			460.0	Capital Budget Project No: 11001 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: LNV Contractor: TBD Award Design: Fiscal Year '13 Award Construction: Fiscal Year '14 Anticipated Completion: Fiscal Year '22 Total Project Value: \$49,687,000
Construction				1,700.0	5,240.0	6,940.0	
Contingency				170.0	530.0	700.0	
Inspection/Other			80.0	77.0	430.0	587.0	
TOTAL:		-	540.0	1,947.0	6,200.0	8,687.0	
Source of Funds							
Commercial Paper/Revenue Bd			540.0	1,947.0	6,200.0	8,687.0	
TOTAL:		-	540.0	1,947.0	6,200.0	8,687.0	

OPERATIONAL IMPACT:

This project will begin permitting and design in Fiscal Year '13 and is dependent upon the completion of the Oso WRP Interim Ammonia Improvements project. The Oso WRP infrastructure assessment is near completion and will become the program guide for preliminary design and final design, bidding and construction under a sequence of work which ensures continued plant operations.

PROJECT DESCRIPTION

DEPARTMENT: Wastewater

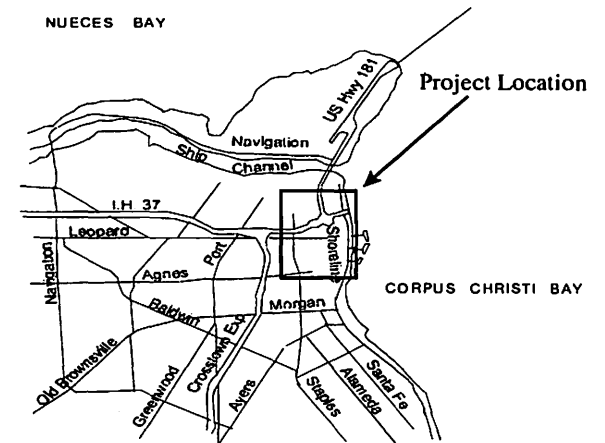
Sequence #18

PROJECT TITLE: Support of Downtown Redev. Projects WW Line & Manhole Replacement

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 redevelopment in the Downtown area. As major project initiatives (such as Destination Bayfront) in and near the downtown area materialize, it is anticipated that additional downtown redevelopment will occur resulting in project opportunities that will require Wastewater collection system infrastructure upgrades. This project will provide the funding source to complete the identified wastewater utility components as necessary and as funding allows.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			150.0			150.0	Capital Budget Project No: 07008 Engineering Project No: Various Finance Project No: Various A/E Consultant: TBD Contractor: TBD Award Design: On-Going Award Construction: On-Going Anticipated Completion: On-Going Total Project Value: \$2,050,000
Construction				150.0	375.0	525.0	
Contingency			20.0	25.0	40.0	65.0	
Inspection/Other			30.0	25.0	35.0	90.0	
TOTAL:		-	200.0	200.0	450.0	830.0	
Source of Funds							
Commercial Paper/Revenue Bd			200.0	200.0	450.0	850.0	
TOTAL:		-	200.0	200.0	450.0	850.0	

OPERATIONAL IMPACT:

At the time of firm project scope requirements, an operational impact in terms of life cycle efficiency will be provided. It is anticipated that future investments in the Wastewater Collection System infrastructure will provide improved efficiency and lower operating costs.

PROJECT DESCRIPTION

DEPARTMENT: Wastewater

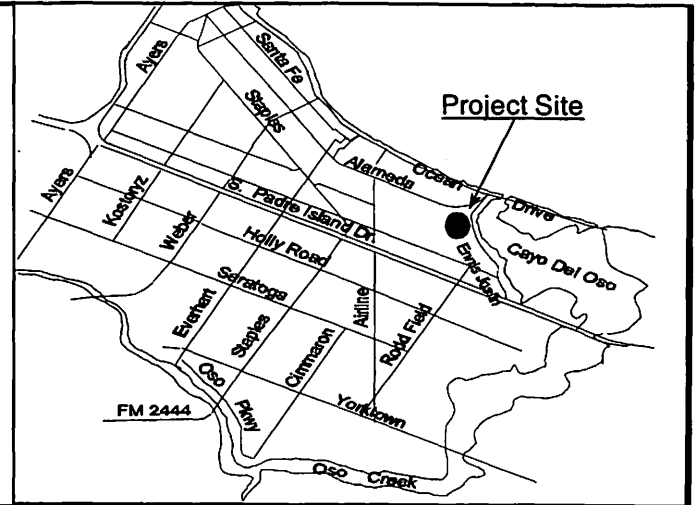
Sequence #19

PROJECT TITLE: Oso Water Reclamation Plant Aerobic Digester #3

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

This project will replace the aging and obsolete equipment at Aerobic Digester #3 located on the Oso Water Reclamation Park to ensure continued compliance with treatment permit criteria and compliment the anticipated future plant rated capacity increase from 16.2 million gallons per day (MGD) to 20.2 MGD. This project will include installation of a new air diffusion system with supporting instrumentation and controls, bridge supported walkways and digester basin concrete repairs to the walls and floor structure. Construction of this project will be complete in Year Four.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering				80.0		80.0	Capital Budget Project No: 11001
Construction					600.0	600.0	Engineering Project No: TBD
Contingency					60.0	60.0	Finance Project No: TBD
Inspection/Other				5.0	30.0	35.0	A/E Consultant: TBD
TOTAL:		-	-	85.0	690.0	775.0	Contractor: TBD
Source of Funds							Award Design: Fiscal Year '14
Commercial Paper/Revenue Bd				85.0	690.0	775.0	Award Construction: Fiscal Year '15
TOTAL:		-	-	85.0	690.0	775.0	Anticipated Completion: Fiscal Year '16 Total Project Value: \$1,650,000

OPERATIONAL IMPACT:

This project will be similar in nature to recently completed work at Aerobic Digester #2 as part of the Oso WRP life cycle capital reinvestment program. Operational efficiencies and cost savings are anticipated with this reinvestment.

PROJECT DESCRIPTION

DEPARTMENT: Wastewater

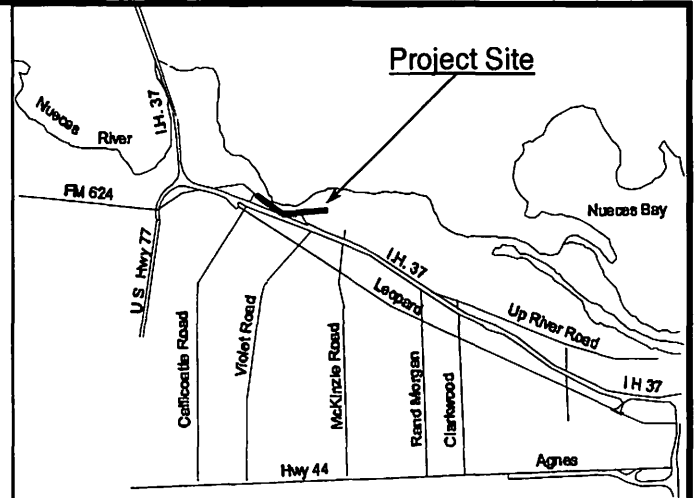
Sequence #20

PROJECT TITLE: Sharpsburg Lift Station Upgrade & 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.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March 2012	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	355.1			1,151.4	1,100.0	2,251.4	
Construction				60.0	110.0	170.0	Engineering Project No: 7389
Contingency				66.0	146.8	212.8	Finance Project No: 150265
Inspection/Other	26.1						A/E Consultant: CRG
TOTAL:	381.2	-	-	1,277.4	1,356.8	2,634.2	Contractor: TBD
Source of Funds							Award Design: July '08
Commercial Paper/Revenue Bd	381.2			1,277.4	1,356.8	2,634.2	Award Construction: Fiscal Year '14
TOTAL:	381.2	-	-	1,277.4	1,356.8	2,634.2	Anticipated Completion: Fiscal Year '15 Total Project Value: \$3,015,400

OPERATIONAL IMPACT:

The design is complete and construction will start in Fiscal Year '14 subject to availability of funds. 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 other systems. Work will reduce potential overflows in the area and minimize enforcement actions by the Texas Commission on Environmental Quality.

PROJECT DESCRIPTION

DEPARTMENT: Wastewater

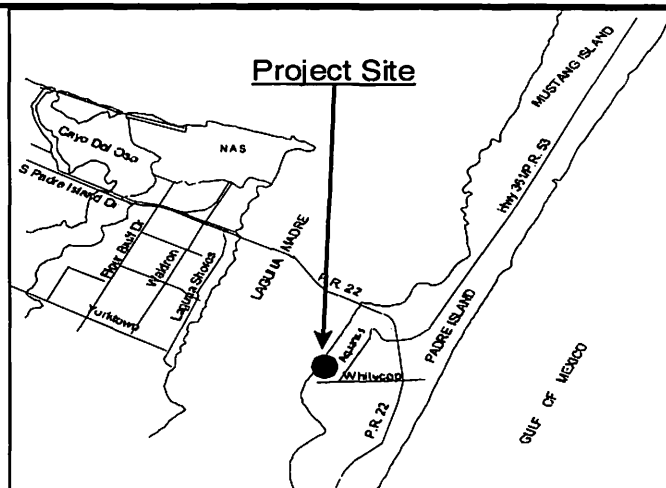
Sequence #21

PROJECT TITLE: Whitecap Wastewater Treatment Plant Odor Control 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 improvements will therefore eliminate the use of hazardous chemicals by replacement of the existing unit. Design will begin in Year 2, Construction will be completed in Year 3 pending receipt of available funding.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering				130.0		130.0	Capital Budget Project No: 10005 Engineering Project No: E10053 Finance Project No: E10053 A/E Consultant: TBD Contractor: TBD Award Design: Fiscal Year '14 Award Construction: Fiscal Year '15 Anticipated Completion: Fiscal Year '15 Total Project Value: \$1,500,000
Construction					1,115.0	1,115.0	
Contingency					111.5	111.5	
Inspection/Other				32.0	111.5	143.5	
TOTAL:		-	-	162.0	1,338.0	1,500.0	
Source of Funds							
Commercial Paper/Revenue Bd				162.0	1,338.0	1,500.0	
TOTAL:		-	-	162.0	1,338.0	1,500.0	

OPERATIONAL IMPACT:

Texas Commission on Environmental Quality regulations have parameters for odor levels at wastewater treatment plants. Rehabilitation of the existing unit will assure compliance. Operational costs are anticipated to drop substantially due to the ability to stop using the existing required chemicals.

PROJECT DESCRIPTION

DEPARTMENT: Wastewater

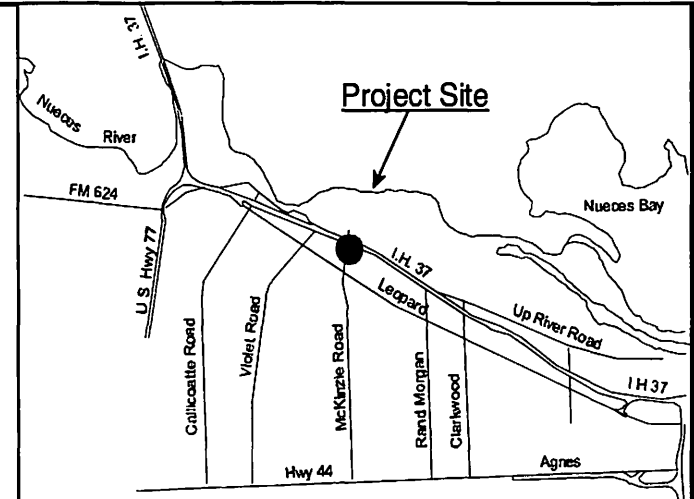
Sequence #22

PROJECT TITLE: Allison WWTP Process Piping Replacement Odor Control Replacement

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

Process piping at the Allison Wastewater Treatment Plant transfers liquid wastewater in the treatment stream is reaching its lifecycle service and requires replacement. Process pipe infrastructure (cast iron) has been in service for over thirty years ago and deterioration by corrosion is adversely affecting the treatment process. Replacement is necessary to assure proper operations and the integrity of the system. Design is scheduled in Fiscal Years '13 and '14 and construction will follow in Fiscal Years '15 and '16.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering				300.0		300.0	Capital Budget Project No: 11001
Construction					1,350.0	1,350.0	Engineering Project No: E10045
Contingency					135.0	135.0	Finance Project No: E10045
Inspection/Other				80.0	75.0	155.0	A/E Consultant: TBD
TOTAL:		-	-	380.0	1,560.0	1,940.0	Contractor: TBD
Source of Funds							Award Design: Fiscal Year '14
Commercial Paper/Revenue Bd				380.0	1,560.0	1,940.0	Award Construction: Fiscal Year '15
TOTAL:		-	-	380.0	1,560.0	1,940.0	Anticipated Completion: Fiscal Year '16 Total Project Value: \$3,500,000

OPERATIONAL IMPACT:

Age, corrosion and soil movement could compromise the integrity of aging underground process piping. Replacement is required to assure continued process treatment and Texas Commission on Environmental Quality (TCEQ) permit compliance. If this project is not completed in a scheduled sequence, possible overflow into the Nueces River could occur resulting in TCEQ sanctions and penalties.

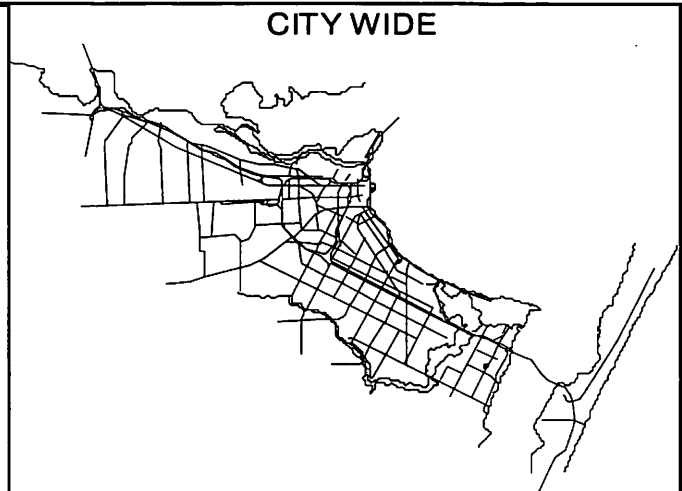
PROJECT DESCRIPTION

DEPARTMENT: Wastewater Sequence #23

PROJECT TITLE: Homeland Security Improvements

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:
 This project will provide for Homeland Security Improvements to the City's Wastewater Facilities located throughout the City as deemed necessary and funding and grant monies allow. Anticipated improvements could include planning and assessment of potential fencing, lighting, security cameras, intrusion detection and infrastructure investment.



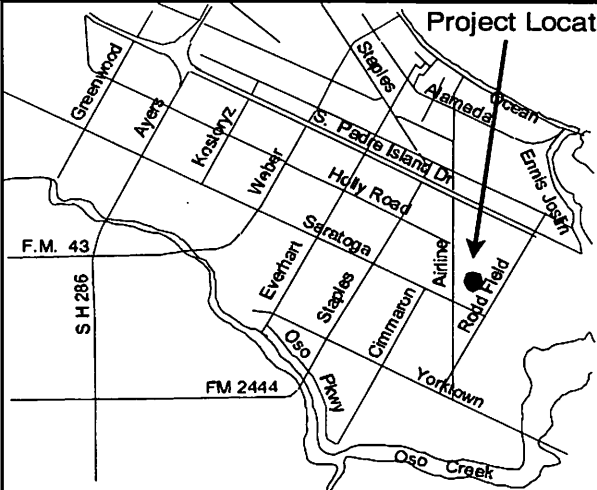
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering		20.0				20.0	
Construction			75.0	75.0		150.0	
Contingency			7.5	7.5		15.0	
Inspection/Other		2.5	7.5	7.5		17.5	
TOTAL:		22.5	90.0	90.0	-	202.5	
Source of Funds							
Commercial Paper/Revenue Bd		22.5	90.0	90.0		202.5	
TOTAL:		22.5	90.0	90.0	-	202.5	

OPERATIONAL IMPACT:

Budget adjustments to capital investment for identified projects and matching fund participation will be evaluated as opportunities become available.

PROJECT DESCRIPTION

DEPARTMENT: <u>Wastewater</u>	Sequence #24
PROJECT TITLE: <u>Citywide Wastewater Lift Station Alternate Power Supply: Williams Lift Station</u>	
<i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan</i>	
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 construction for emergency back-up generators at the Williams Lift Station.	
Project Location 	

FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering				450.0		450.0	Capital Budget Project No: 09015 Engineering Project No: 7427 Finance Project No: 150785 A/E Consultant: TBD Contractor: TBD Award Design: Fiscal Year '14 Award Construction: Fiscal Year '15 Anticipated Completion: Fiscal Year '15 Total Project Value: \$6,245,000
Construction					5,000.0	5,000.0	
Contingency				45.0	500.0	545.0	
Inspection/Other				90.0	160.0	250.0	
TOTAL:		-	-	585.0	5,660.0	6,245.0	
Source of Funds							
Commercial Paper/Revenue Bd				585.0	5,660.0	6,245.0	
TOTAL:		-	-	585.0	5,660.0	6,245.0	

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 DESCRIPTION

DEPARTMENT: Wastewater

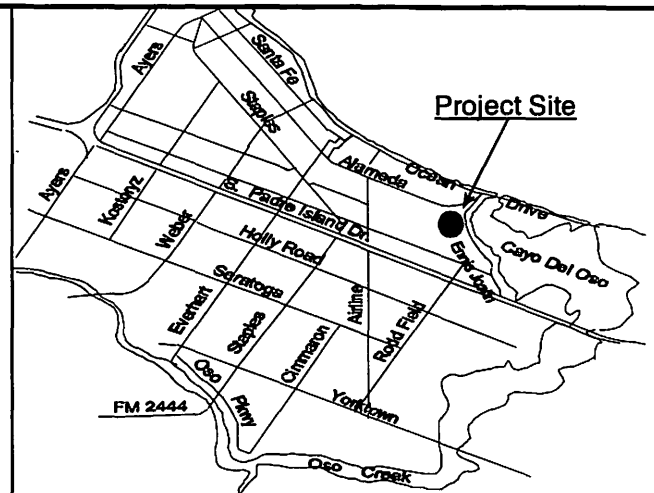
Sequence #25

PROJECT TITLE: Oso WRP Effluent Re-Use Distribution System Phase 1

Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan

DESCRIPTION:

This project is for engineering, bidding, and construction planning for Oso Effluent Re-Use Distribution Line Phase 1, "Line A" - an effluent line from the Oso Plant to the Wooldridge Lift Station. Line A will enable the City to deliver effluent water to the Corpus Christi Country Club, Kings Crossing Country Club, various golf courses, Bill Witt and other City parks. Effluent lines fed by the Oso WRP will enable the City to deliver effluent to Texas A & M - CC, the Oso and Pharaoh Valley golf courses. The Greenwood Wastewater Treatment Plant will deliver effluent to the Del Mar West Campus. The Oso WRP effluent lift station project and various effluent distribution lines were previously designed and constructed under a combination of CIP and Bond 2008 projects.



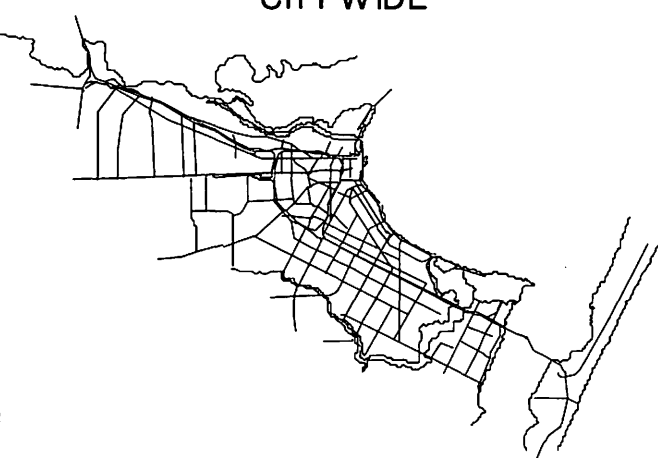
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	463.2						Capital Budget Project No: 11002 Engineering Project No: E10135 Finance Project No: E10135 A/E Consultant: Urban Contractor: TBD Award Design: October '10 Award Construction: Fiscal Year '12 Anticipated Completion: Fiscal Year '13 Total Project Value: \$3,804,500
Construction		2,760.0				2,760.0	
Contingency		280.0				280.0	
Inspection/Other	21.3	280.0				280.0	
TOTAL:	484.5	3,320.0	-	-	-	3,320.0	
Source of Funds							
Commercial Paper/Revenue Bd	484.5	3,320.0				3,320.0	
TOTAL:	484.5	3,320.0	-	-	-	3,320.0	

OPERATIONAL IMPACT:

This project is estimated to impact the yearly operations budget by \$50k for additional electrical costs and \$30K for additional maintenance requirements. The benefits of this project will include better care and maintenance of City facilities as well as university property. This is a project which will increase community pride and appearance of City facilities. The Oso Effluent Re-use Distribution Line Phase 1 Line 'A' will connect the Oso WRP and Wooldridge Lift Station to deliver effluent water to the various, previously constructed, effluent distribution infrastructure networks.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Wastewater</u></p> <p align="right">Sequence #26</p> <p>PROJECT TITLE: <u>Wetlands Mitigation Bank Assessment</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan</i></p> <p>DESCRIPTION: Repair or maintenance projects which could impact wetland areas or mudflats are required by the US. Army Corps of Engineers to determine which projects require mitigation of disturbed natural resources in order to meet the national goal of "no net loss of wetlands". If mitigation assessments are evaluated by individual project, the joint effort by the City and USACE becomes expensive, can delay the start of project construction, and may not adequately meet Federal program objectives. The A/E Consultant is presently conducting a feasibility study to determine whether a viable regional mitigation bank investment by the City is feasible. If this study determines that such an investment may be warranted, future discussions to develop this regional mitigation bank for use as credits to City sponsored construction would proceed. It is anticipated that discussions with USACE will be ongoing in FY '13, conceptual development in FY '14 and preliminary engineering in FY '15.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	41.2				50.0	50.0	Capital Budget Project No: 10102 Engineering Project No: E10017 Finance Project No: E10017 A/E Consultant: HDR Contractor: N/A Award Design: October '10 Award Construction: TBD Anticipated Completion: TBD Total Project Value: \$191,200
Construction							
Contingency							
Inspection/Other							
TOTAL:	41.2	-	-	-	50.0	50.0	
Source of Funds							
Commercial Paper/Revenue Bd	41.2				50.0	50.0	
TOTAL:	41.2	-	-	-	50.0	50.0	

OPERATIONAL IMPACT:

No operational impact anticipated at this time.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Wastewater</u></p> <p style="text-align: right;">Sequence #27</p> <p>PROJECT TITLE: <u>Allison Plant Influent Lift Station Equipment and Electrical Replacement</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan</i></p> <p>DESCRIPTION: The Allison Wastewater Treatment Plant influent lift station pumps and pump controls require replacement as they come to the end of their useful service life. Associated influent lift station electrical equipment will also require replacement. Design is scheduled for Fiscal Year 2014 with Construction to follow in Fiscal Year 2015 pending available funding.</p>	
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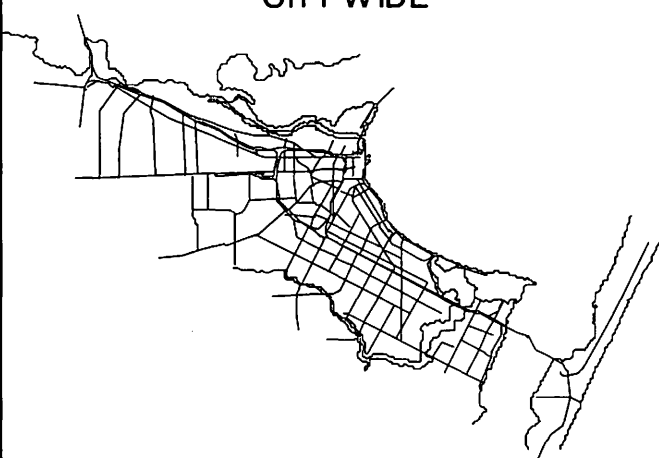
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering				270.0		270.0	Capital Budget Project No: 11001 Engineering Project No: E10043 Finance Project No: E10043 A/E Consultant: TBD Contractor: TBD Award Design: Fiscal Year '14 Award Construction: Fiscal Year '15 Anticipated Completion: Fiscal Year '15 Total Project Value: \$3,300,000
Construction					2,700.0	2,700.0	
Contingency					200.0	200.0	
Inspection/Other				30.0	100.0	130.0	
TOTAL:		-	-	300.0	3,000.0	3,300.0	
Source of Funds							
Commercial Paper/Revenue Bd				300.0	3,000.0	3,300.0	
TOTAL:		-	-	300.0	3,000.0	3,300.0	

OPERATIONAL IMPACT:

This project is necessary as part of an on-going lifecycle replacement plan for wastewater capital equipment. The City could be subject to Texas Commission on Environmental Quality (TCEQ) sanctions and possible penalties and fines should the proposed replacement operating systems fail. It is anticipated operational efficiencies with commensurate operational cost savings of \$50,000 per year will be realized with this project investment.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Wastewater</u></p> <p style="text-align: right;">Sequence #28</p> <p>PROJECT TITLE: <u>City-Wide Effluent Water Re-Use Master Plan</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan</i></p> <p>DESCRIPTION: This project, presently under preliminary assessment, will develop a comprehensive city-wide Master Plan that will incorporate the existing effluent reuse system outline for future development potential. It will include an outline of the operational and maintenance cost involved and propose an effluent utility rate.</p>	<p>CITY WIDE</p> 
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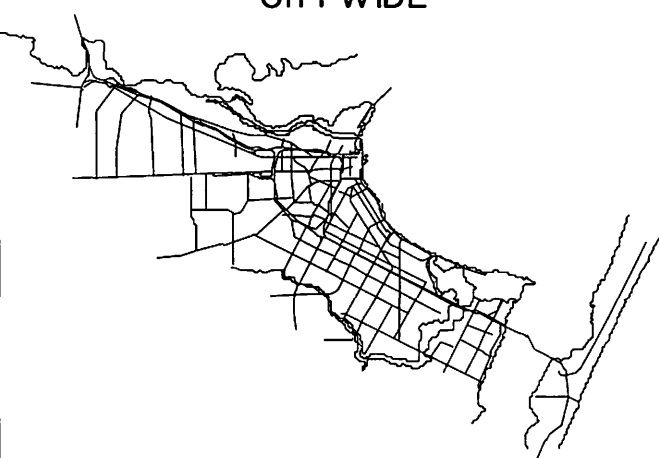
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	253.0	50.0	80.0			130.0	Capital Budget Project No: 10007 Engineering Project No: E09010 Finance Project No: E09010 A/E Consultant: Urban Contractor: N/A Award Design: October '10 Award Construction: N/A Anticipated Completion: Fiscal Year '13 Total Project Value: \$414,400
Construction							
Contingency							
Inspection/Other	14.8	6.6	10.0			16.6	
TOTAL:	267.8	56.6	90.0	-	-	146.6	
Source of Funds							
Commercial Paper/Revenue Bd	267.8	56.6	90.0			146.6	
TOTAL:	267.8	56.6	90.0	-	-	146.6	

OPERATIONAL IMPACT:

The project Master Plan deliverable will identify anticipated annual operational expenses for the City's effluent reuse system and provide recommendations for a utility rate structure to address infrastructure investment and resultant operating costs as future effluent re-use projects develop.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Wastewater</u></p> <p align="right">Sequence #29</p> <p>PROJECT TITLE: <u>Developer Utility Participation - Wastewater</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pg. 48: 1,3 & 6; pp. 55-58; Wastewater Master Plan</i></p> <p>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.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering Construction Contingency Inspection/Other			100.0	200.0	400.0	700.0	Capital Budget Project No: 07020 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: TBD Contractor: TBD
TOTAL:		-	100.0	200.0	400.0	700.0	Award Design: TBD
Source of Funds							Award Construction: TBD
Commercial Paper/Revenue Bd			100.0	200.0	400.0	700.0	Anticipated Completion: TBD
TOTAL:		-	100.0	200.0	400.0	700.0	Total Project Value: \$2,450,000

OPERATIONAL IMPACT:

This item should increase wastewater revenues through additional customer usage.

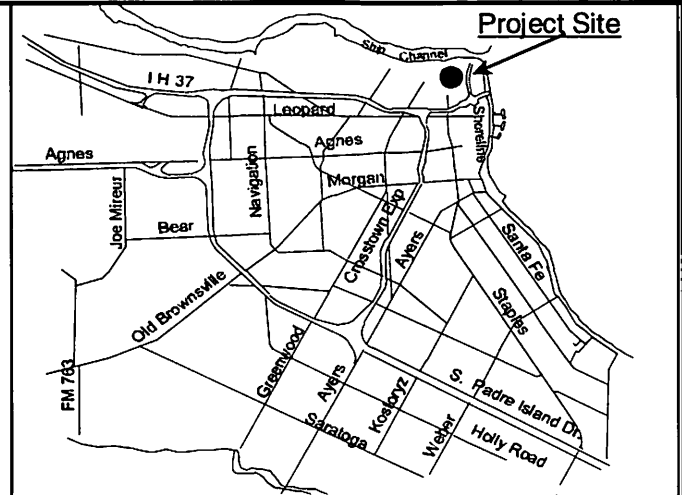
PROJECT DESCRIPTION

DEPARTMENT: Wastewater Sequence #30

PROJECT TITLE: Broadway Wastewater Plant Demolition

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 demolished. The site will receive site grading and aesthetic improvements to blend in as a "good neighbor" within the locale.



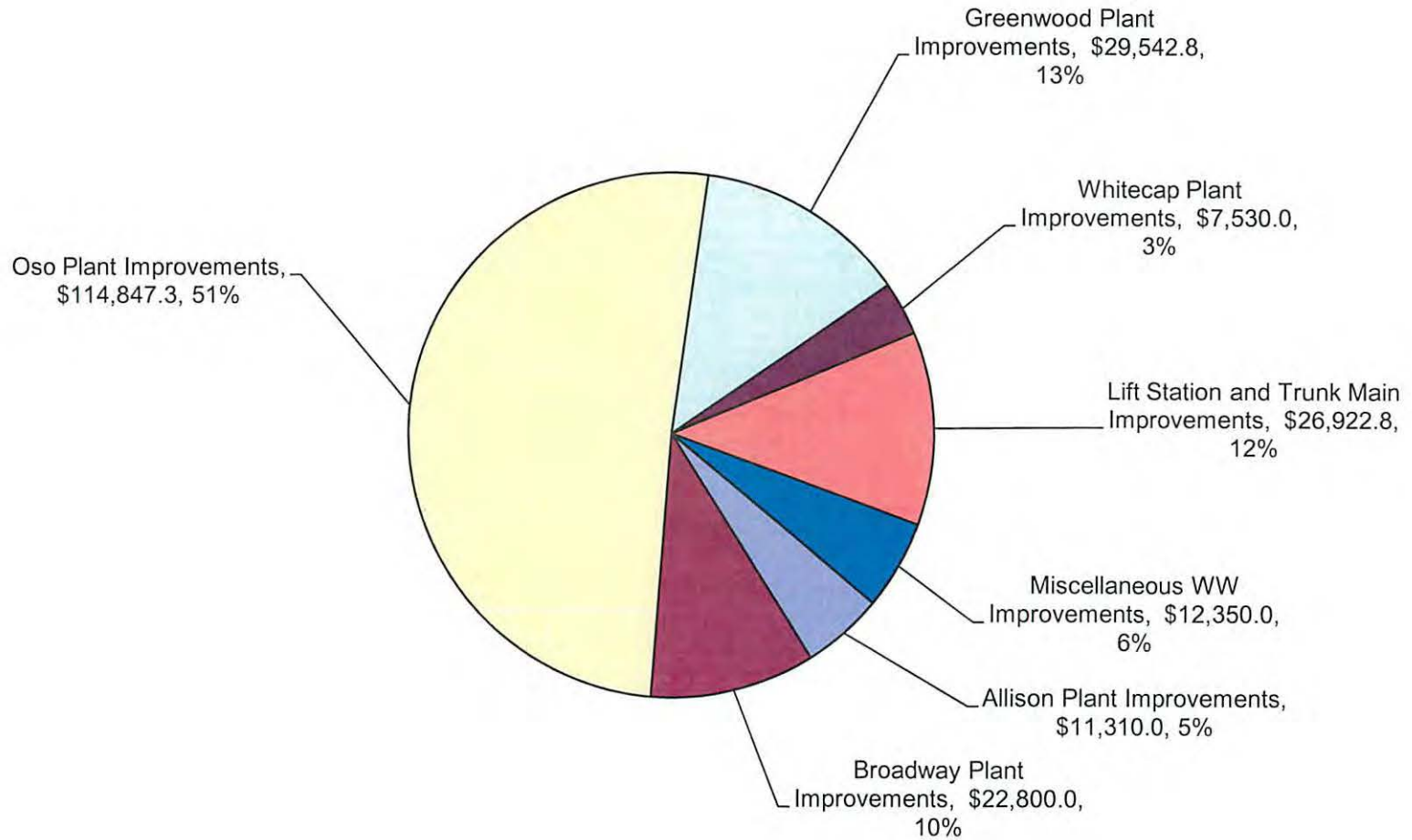
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			700.0			700.0	Capital Budget Project No: 07020 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: Freese & Nichols Contractor: TBD Award Design: Fiscal Year '13 Award Construction: Fiscal Year '14 Anticipated Completion: Fiscal Year '15 Total Project Value: \$7,000,000
Construction				1,700.0	3,500.0	5,200.0	
Contingency				150.0	350.0	500.0	
Inspection/Other			300.0	150.0	150.0	600.0	
TOTAL:		-	1,000.0	2,000.0	4,000.0	7,000.0	
Source of Funds							
Commercial Paper/Revenue Bd			1,000.0	2,000.0	4,000.0	7,000.0	
TOTAL:		-	1,000.0	2,000.0	4,000.0	7,000.0	

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.

**Wastewater
Long-Range CIP: \$225,302.9
(Amounts in 000's)**



**WASTEWATER
LONG-RANGE CIP**

		<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 manhole 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.	\$54,946,800 4,5,6,7 8,9,10
LR-02	<u>Lift Station Repair: Citywide (Continuation)</u> 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.	\$7,000,000 4,5,6,7 8,9,10
LR-03	<u>Clarkwood North Lift Station Header Repair (Continuation)</u> 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.	\$960,000 4,5
LR-04	<u>Unanticipated Wastewater Capital Requirements (Continuation)</u> 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 dependant upon availability of funding.	\$2,300,000 4,5,6,7 8,9

**WASTEWATER
LONG-RANGE CIP**

LR-05	<u>Greenwood WWTP Electrical Improvements to UV System (Continuation)</u>	<u>\$692,800</u>	4
	<p>This project provides electrical infrastructure improvements that provide power to the UV disinfection system. Anticipated improvements include two new transformers, control panel 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 the proposed electrical infrastructure to ensure power remains available for continued disinfection capability required by the Texas Commission on Environmental Quality (TCEQ) Enterococcus Bacterial permit levels can be accomplished in severe weather events.</p>		
LR-06	<u>Oso Water Reclamation Plant Lift Station #3 (Continuation)</u>	<u>\$4,000,000</u>	4, 5
	<p>The Oso Water Reclamation Plant (WRP) is rated to treat 16.2 million gallons per day (MGD) average daily flow and has a 2-hour peak flow rating of 98.3 MGD (peaking factor of 6). The plant is served by three (3) lift stations; Lift Station No.1, Lift Station No.2 and Williams Lift Station with design capacities of 22.9 MGD, 39.4 MGD, and 54.6 MGD respectively, for a total design capacity of 116.9 MGD. Presently the current, supporting Lift Station infrastructure for the Oso WRP is functional but remains challenged to provide sufficient capacity during peak weather events. This project will provide a new redundant lift station (50 MGD capacity) on the north side of Oso WRP whose redundant capability will ensure future wet weather peak flows can be readily moved to the plant headworks. It will be designed and subsequently constructed in a manner that provides for continuous plant operations.</p>		
LR-07	<u>Laguna Shores Road Force Main Replacement (Continuation)</u>	<u>\$1,350,000</u>	4
	<p>Two force mains exist on Laguna Shores Road. The existing PVC main is generally in good condition, but the 10-inch cast iron main has exceeded its useful life. The 10- cast iron main is required for peak flow events and future capacity. Also due to proximity of the Laguna Madre, redundancy is needed for repairs of the force mains to prevent disruption of service.</p>		
LR-08	<u>Oso Water Reclamation Plant Ammonia Upgrade to 20 MGD (Continuation)</u>	<u>\$47,200,000</u>	4,5,6,7,8,9,10
	<p>Under WW 02 Short Range Program (Oso WRP Interim Ammonia Improvements) an assessment is underway to identify recommended modifications to the physical, chemical and biological treatment processes to the Oso WRP to ensure continued compliance with recent ammonia nutrient permit criteria and to expand the rated capacity from 16.2 MGD to 20.2 MGD.</p>		
LR-9	<u>Support of Downtown Redevelopment Projects Wastewater Line and Manhole Replacement (Continuation)</u>	<u>\$1,450,000</u>	4,5,6,7,8,9
	<p>This project is programmed to support redevelopment in the Downtown area. As major project initiatives (such as Destination Bayfront) in and near the downtown area materialize, it is anticipated that additional downtown redevelopment will occur resulting in project opportunities that will require Wastewater collection system infrastructure upgrades. This project will provide the funding source for complete the identified wastewater utility component as necessary and as funding allows.</p>		

**WASTEWATER
LONG-RANGE CIP**

LR-10	<u>Oso Water Reclamation Plant Aerobic Digester #3 (Continuation)</u>	<u>\$875,000</u>	4
	<p>The Oso Wastewater Treatment Plant influent lift station pumps and pump controls require replacement as they are approaching the end of their useful service life. Associated influent lift station electrical equipment will also require replacement. Design is scheduled for Fiscal Year 2014 with Construction to follow in Fiscal Year 2015 pending available funding.</p>		
LR-11	<u>Allison WWTP Process Piping Replacement (Continuation)</u>	<u>\$1,560,000</u>	4
	<p>The process piping at the Allison Wastewater Treatment Plant is reaching its lifecycle service life and requires replacement. Process pipe infrastructure (cast iron) has been in service for over thirty years and deterioration by corrosion is adversely affecting the treatment process. Replacement is necessary to assure proper operations and the integrity of the system. Design is scheduled in Fiscal Years '13 and '14 and construction will follow in Fiscal Years '15 and '16.</p>		
LR-12	<u>Developer Utility Participation - Wastewater (Continuation)</u>	<u>\$1,750,000</u>	4,5,6,7,8,9,10
	<p>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.</p>		
LR-13	<u>Broadway Infiltration/Inflow Related Collection System Enhancement Program (SSES/SSOI/IDIQ)</u>	<u>\$18,300,000</u>	4,5,6,7,8,9,10
	<p>The Broadway Plant is generally able to treat well within permit requirements; however, during rainy periods, flows have exceeded 75% capacity at which time planning for expansion is required by TCEQ regulations. One alternative to address this problem is reducing infiltration and inflow (I/I). Proposed improvements involve identifying I/I problems by installing flow monitors and reducing I/I by rehabilitating collection lines, and lining or reconstructing manholes with fiberglass. This project continues working on additional lines in this basin.</p>		
LR-14	<u>Greenwood Infiltration/Inflow Related Collection System Enhancement Program (SSES/SSOI/IDIQ)</u>	<u>\$27,500,000</u>	4,5,6,7,8,9,10
	<p>The Greenwood Plant is generally able to treat well within permit requirements; however, during rainy periods, flows have exceeded 75% capacity at which time planning for expansion is required by TCEQ regulations. One alternative to address this problem is reducing infiltration and inflow (I/I). Proposed improvements involve identifying I/I problems by installing flow monitors and reducing I/I by rehabilitating collection lines, and lining or reconstructing manholes with fiberglass. This project continues working on additional lines in this basin.</p>		

**WASTEWATER
LONG-RANGE CIP**

LR-15	<u>Allison Infiltration/Inflow Related Collection System Enhancement Program (SSES/SSOI/IDIQ)</u>	<u>\$9,750,000</u>	6,7,8,9,10
	<p>The Allison Plant is generally able to treat well within permit requirements; however, during rainy periods, flows have exceeded 75% capacity at which time planning for expansion is required by TCEQ regulations. One alternative to address this problem is reducing infiltration and inflow (I/I). Proposed improvements involve identifying I/I problems by installing flow monitors and reducing I/I by rehabilitating collection lines, and lining or reconstructing manholes with fiberglass. This project continues working on additional lines in this basin.</p>		
LR-16	<u>Laguna Madre Infiltration/Inflow Related Collection System Enhancement Program (SSES/SSOI/IDIQ)</u>	<u>\$10,500,000</u>	6,7,8,9,10
	<p>The Laguna Madre Plant is generally able to treat well within permit requirements; however, during rainy periods, flows have exceeded 75% capacity at which time planning for expansion is required by TCEQ regulations. One alternative to address this problem is reducing infiltration and inflow (I/I). Proposed improvements involve identifying I/I problems by installing flow monitors and reducing I/I by rehabilitating collection lines, and lining or reconstructing manholes with fiberglass. This project continues working on additional lines in this basin.</p>		
LR-17	<u>Whitecap Infiltration/Inflow Related Collection System Enhancement Program (SSES/SSOI/IDIQ)</u>	<u>\$3,750,000</u>	7,8,9,10
	<p>The Whitecap Plant is generally able to treat well within permit requirements; however, during rainy periods, flows have exceeded 75% capacity at which time planning for expansion is required by TCEQ regulations. One alternative to address this problem is reducing infiltration and inflow (I/I). Proposed improvements involve identifying I/I problems by installing flow monitors and reducing I/I by rehabilitating collection lines, and lining or reconstructing manholes with fiberglass. This project continues working on additional lines in this basin.</p>		
LR-18	<u>Oso WRP Electrical Facilities Generator Upgrade / Alternate Power Electrical Upgrade, Phase 2</u>	<u>\$3,550,500</u>	4,5,6,7
	<p>The existing electrical facilities at the Oso Water Reclamation Plant are insufficient and resulting in on-going maintenance issues and frequent power outages. To maintain Federal and State compliance and to provide more reliable service to customers, this project will fund the purchase and installation of four (4) additional generator sets for a total of six (6). These generators will provide emergency/stand by power for the plant in case of power failure.</p>		
LR-19	<u>T-Heads Lift Station Upgrades</u>	<u>TBD</u>	TBD
	<p>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.</p>		

**WASTEWATER
LONG-RANGE CIP**

LR-20 <u>Williams Lift Station and Force Main (Line A)</u>	TBD	TBD
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-21 <u>Citywide Wastewater Lift Station Alternate Power Supply: Wooldridge</u>	\$2,112,800	5,6
Electrical power supply is critical for the operation of the City's Wastewater Lift Stations. TCEQ 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 construction for emergency back-up generators at the		
LR-22 <u>Citywide Wastewater Lift Station Alternate Power Supply</u>	\$2,700,000	5,6,7,8
Electrical power supply is critical for the operation of the City's Wastewater Lift Stations. TCEQ 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 construction for emergency back-up generators at the lift stations city wide as funding allows.		
LR-23 <u>Oso WRP Headworks/Grit Removal Improvements</u>	\$4,275,000	7,8,9,10
The walls of the existing grit chamber which has been in operation since 1982, have deteriorated from the action of corrosive gases and have resulted in continual maintenance issues and inefficient operation. This project proposes the construction of a new, more effective grit removal structure, along with rerouting of piping to the new structure.		
LR-24 <u>Williams /Wooldridge Lift Station Hydraulics Improvements</u>	TBD	TBD
This project will upgrade hydraulics at the Williams and Wooldridge Lift Stations due to age of existing equipment.		
LR-25 <u>7th Street Trunk Relining</u>	TBD	TBD
Deteriorated clay lines in this area have exceeded their useful service life and need to be slip lined. This project will provide		
LR-26 <u>Greenwood Plant UV System Upgrade</u>	\$1,350,000	4,5
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 ultra-violet disinfection system with additional filter upgrades to meet recently updated Texas Commission on Environmental Quality (TCEQ) Enterococcus Bacterial permit levels.		

**WASTEWATER
LONG-RANGE CIP**

LR-27	<u>21" and 24" Gravity Line from Aberdeen to Oso Plant</u>	TBD	TBD
<p>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.</p>			
LR-28	<u>24" Gravity Line in Gollihar</u>	TBD	TBD
<p>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</p>			
LR-29	<u>Flynn Parkway - Everhart Trunk Relining</u>	TBD	TBD
<p>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.</p>			
LR-30	<u>City Wide Structural Process Improvements</u>	\$5,400,000	7,8,9,10
<p>Structural components and piping infrastructure at each of the Wastewater Treatment Plants transfers liquid wastewater in the process stream operates in a harsh environment. Treatment process infrastructure is reaching the end of its lifecycle and will require programming replacement. The minimum average operating age of process infrastructure ranges between thirty and fifty years of continuous operation. Much of the structural steel and pipe made of cast iron is corroding and this deterioration adversely affects the treatment process. Replacement is necessary to assure proper operations and the integrity of the treatment system. Priority condition assessments will be made for program planning and execution.</p>			
LR-31	<u>Allison WWTP Expansion from 5 to 7 MGD</u>	TBD	TBD
<p>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.</p>			

**WASTEWATER
LONG-RANGE CIP**

LR-32	<u>Greenwood WWTP Expansion from 8 to 12 MGD</u>	TBD	
	TCEQ regulations require alternatives be initiated "when flows exceed 75% of the rated capacity". The Greenwood WWTP is at 81% capacity (6.5MGD average daily flow) with additional flows planned with development in the area. In anticipation of this, the City is in the process of completing the design for an 8MGD to 12MGD plant expansion and implementing Greenwood basin I&I projects. This project provides for a state of the art stand-alone 4MGD expansion south of the existing plant. Council recently approved an additional plant expansion to 16MGD to accommodate the transfer of flows from Oso to Greenwood.		TBD
LR-33	<u>Laguna Madre WWTP Expansion from 3 to 6 MGD</u>	TBD	
	The Laguna Madre Plant has been treating wastewater flows within permit requirements; however, as development in the Flour Bluff area continues, it is anticipated that the plant will exceed 75% of capacity triggering the TCEQ requirement to initiate planning for an expansion. Current treatment capacity of 3 MGD would be expanded to 6 MGD.		TBD
LR-34	<u>Oso WRP Transfer to Greenwood WWTP</u>	TBD	
	Texas Commission on Environmental Quality rules mandate that alternate treatment methods be initiated at 75% capacity (12.2 MGD average daily flow) at a wastewater treatment plant. When required, this project will be developed in phases to accommodate funding constraints and meet development and TCEQ requirements. The overall project will include new Force Mains (FM) and Lift Station and modifications to existing Lift Stations. Another project will provide for the necessary 4MGD expansion of Greenwood.		TBD
LR-35	<u>Whitecap WWTP Structural Process Improvements</u>	\$2,700,000	
	The treatment process at the Whitecap Plant relies on major equipment which must eventually be rehabilitated or replaced		7,8,9
LR-36	<u>Whitecap WWTP Bulkhead Replacement</u>	\$1,080,000	
	The existing plant is built on dredged fill behind a sheet pile bulkhead. This steel bulkhead is in need of structural modifications and improvements. Portions of the bulkhead have collapsed, requiring interim repairs. This project addresses the long-term solution to the structural stability of the bulkhead.		7,8
LR-37	<u>Nile Drive Trunk Main</u>	TBD	
	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.		TBD

**WASTEWATER
LONG-RANGE CIP**

LR-38	<u>Sanitary Sewer Master Plan</u>	\$1,500,000	5,6
	This is a continuation of the Sanitary Sewer Master Plan Project. As funding allows, additional service areas will be studied to determine the optimum locations of major trunk lines to support future development and the most feasible construction alternatives. Areas remaining to be studied include Laguna Madre, Whitecap and Broadway.		
LR-39	<u>Broadway Plant Demolition (continuation)</u>	\$4,500,000	4
	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 demolished. The site will receive site grading and aesthetic improvements to blend in as a "good neighbor" within the locale.		
LR-40	<u>Citywide WWTP Electrical Improvements</u>	\$2,250,000	7,8,9,10
	Wastewater Treatment Plant influent lift station pumps and controls are in need of replacement as they are approaching the end of their useful service life. Associated electrical equipment, controls and telemetry will need to be upgraded and replaced as part of this project. Operating efficiencies and reduced power consumption is anticipated with this investment. Priority condition assessments will be made for program planning and execution.		
LR-41	<u>Cimarron Gravity Line</u>	TBD	TBD
	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 manholes and tie-ins.		
LR-42	<u>Cimarron & Lenz Drive Lift Station</u>	TBD	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.		
LR-43	<u>LaBonte Park Lift Station and Force Main</u>	TBD	TBD
	Upgrading the existing lift station including larger pumps, additional structural work, and force mains.		
LR-44	<u>Riviera Street Lift Station Upgrade and Force Main</u>	TBD	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.		

**WASTEWATER
LONG-RANGE CIP**

LR-45	<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.		TBD
LR-46	<u>Allison WWTP Air Header/Fine Bubble Diffuser (Green Energy)</u>	TBD	
	As part of the implementation of City of Corpus Christi Energy Efficiency and Conservation Block Grant (EECBG) Program,		TBD
LR-47	<u>Greenwood WWTP Air Header/Fine Bubble Diffuser (Green Energy)</u>	TBD	
	As part of the implementation of City of Corpus Christi Energy Efficiency and Conservation Block Grant (EECBG) Program,		TBD
<u>TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:</u>		<u>\$225,302,900</u>	

Water

Obligation to the Future



CITY OF CORPUS CHRISTI WATER PROGRAM

The City's Fiscal Year 2012 – 2013 Water Capital Improvement Program (CIP) contains eighteen (18) projects with a total value of \$28.4 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, Improvements, Raw Water Diversion, and Water Supply.

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 second phase of the Mary Rhodes Pipeline is a significant project for the City and consists of a new 42-mile pipeline that will transport raw water from a new intake structure on the Colorado River near Bay City to the Lavaca Navidad River Authority's existing West Water Delivery Station south of Lake Texana and into the existing Mary Rhodes Pipeline. The current investment will be the land acquisition for the new pipeline.

Another 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 was originally constructed in 1954 and has a rated capacity of producing up to 167 million gallons a day. On average, the plant produces 80 million gallons of water a day. This year's program also addresses essential improvements to the plant's chemical feed processes and storage, instrumentation monitoring for Texas Commission on Environmental Quality (TCEQ) requirements, electrical distribution, assessment of the future chlorine gas feed with the inherently safer technology of hypochlorite generation and relocation of plant operations to the Filter Building.

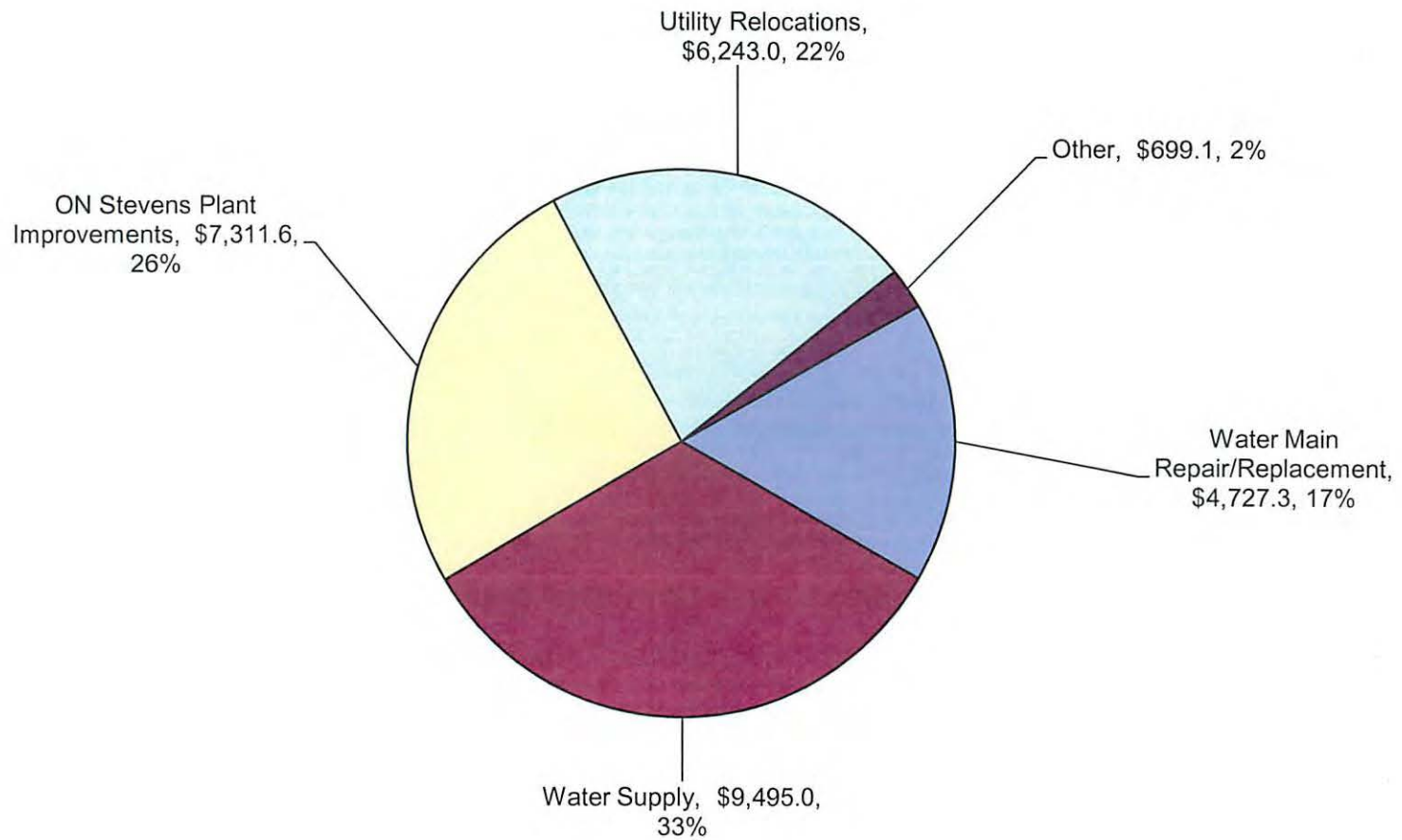
This City's goals of exceeding TCEQ requirements is a priority for the Water CIP program and will be achieved through both short and long range projects. In addition to the \$12.1 million of planned water projects, there is a programmed expenditure of \$6.2 million to support water line improvements for street projects approved by City voters in the November 2008 Bond Election.

A recap of the budgeted expenditures for water includes:

	YEAR ONE 2012 – 2013	YEAR TWO 2013 – 2014	YEAR THREE 2014 – 2015
TOTAL PROGRAMMED EXPENDITURES:	\$ 28,476,000	\$ 23,378,000	\$ 28,605,100
FUNDING:			
Carry Forward (Commercial Paper / Revenue Bonds)	\$ 10,753,700	\$ 0	\$ 0
New Debt (Commercial Paper / Revenue Bonds)	\$ 17,722,300	\$ 23,378,000	\$ 28,605,100
TOTAL PROGRAMMED FUNDS:	\$ 28,476,000	\$ 23,378,000	\$ 28,605,100

**Relocation costs and funding reflected within Streets Program*

Water
Annual CIP: \$28,476.0
(Amounts in 000's)



**WATER
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total + Carry Forward
WA 01	Water Program Management Finance Number: E11069 Engineering Number: E11069	0.9	299.1	300.0	300.0	300.0	1,199.1
WA 02	ON Stevens Electrical Distribution Improvements Finance Number: 180191 Engineering Number: 8603	6,446.5	-	1,949.3	-	-	1,949.3
WA 03	Nueces River Raw Water Pump Station Finance Number: E11068 Engineering Number: E11068	1.1	1,198.9	1,200.0	6,400.0	6,400.0	15,198.9
WA 04	ON Stevens Facility Alterations Finance Number: 180051 Engineering Number: 8657	1,131.2	2,769.6	700.0	-	-	3,469.6
WA 05	ONS WTP AEP Transmission Line Relocation Finance Number: E10187 Engineering Number: E10187	-	187.5	750.0	2,250.0	2,250.0	5,437.5
WA 06	ON Stevens On Site Disinfection Finance Number: E10070 Engineering Number: E10070/E10144	36.7	113.3	175.0	400.0	3,600.0	4,288.3
WA 07	ON Stevens Facilities Feed Optimization Improvements (Chlorine/Chloramine Optimization Assessment) Finance Number: 180193 Engineering Number: 8605	1,972.6	331.9	60.0	-	-	391.9

**WATER
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total + Carry Forward
WA 08	Staples Street Pump Station Phase 2 - Third Pump Finance Number: E12030 Engineering Number: E12030	87.4	-	1,500.0	-	-	1,500.0
WA 09	Programmed Water Line Service Life Extension Finance Number: 180198 Engineering Number: 8610	108.5	641.5	725.0	2,500.0	2,500.0	6,366.5
WA 10	Wesley Seale Instrumentation Testing and Rehabilitation Finance Number: 8663 Engineering Number: 180548	50.0	287.5	-	1,800.0	3,600.0	5,687.5
WA 11	ONS WTP High Service Building No. 3 Finance Number: E11066 Engineering Number: E11066	-	-	-	800.0	1,200.0	2,000.0
WA 12	Elevated Water Storage Tanks - Citywide Finance Number: TBD Engineering Number: TBD	-	-	200.0	450.0	5,250.0	5,900.0
WA 13	ON Stevens WTP Solids Handling Facility Finance Number: 180195 Engineering Number: 8607	-	-	225.0	1,800.0	1,800.0	3,825.0
WA 14	Mary Rhodes Water Supply Pipeline Phase 2 (Garwood Water Supply Transmission Facilities) Finance Number: E10008 Engineering Number: E10008	8,751.4	1,148.6	3,960.0	-	-	5,108.6

**WATER
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total + Carry Forward
WA 15	Padre Island Alternate Water Transmission Main Finance Number: E10186 Engineering Number: E10186	423.7	480.8	2,880.0	4,320.0	-	7,680.8
WA 16	ON Stevens Alum Facilities Replacement Finance Number: TBD Engineering Number: TBD	-	-	50.0	786.0	1,100.0	1,936.0
WA 17	ON Stevens Polymer Liquid Ammonium Sulfate (LAS) Facilities Replacement Finance Number: TBD Engineering Number: TBD	-	-	-	-	405.1	405.1
WA 18	Developer Utility Participation - Water Finance Number: TBD Engineering Number: TBD	100.0	-	100.0	100.0	100.0	300.0
Water Program Sub-Total:		19,110.0	7,458.7	14,774.3	21,906.0	28,505.1	72,644.1
Utility Relocation Costs for Street Projects		4,000.6	3,295.0	2,948.0	1,472.0	100.0	7,815.0
<i>* relocation costs and funding reflected within Streets Program</i>							
TOTAL PROGRAMMED EXPENDITURES:		23,110.6	10,753.7	17,722.3	23,378.0	28,605.1	80,459.1

**WATER
SHORT-RANGE CIP
(Amounts in 000's)**

Seq #	Project Name	Project-to-Date Expenditures thru March '12	Carry Forward (CF) Budget	CIP Budget Year 1 2012 - 2013	Year 2 2013 - 2014	Year 3 2014 - 2015	Three Year Total + Carry Forward
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CURRENTLY AVAILABLE FUNDING:

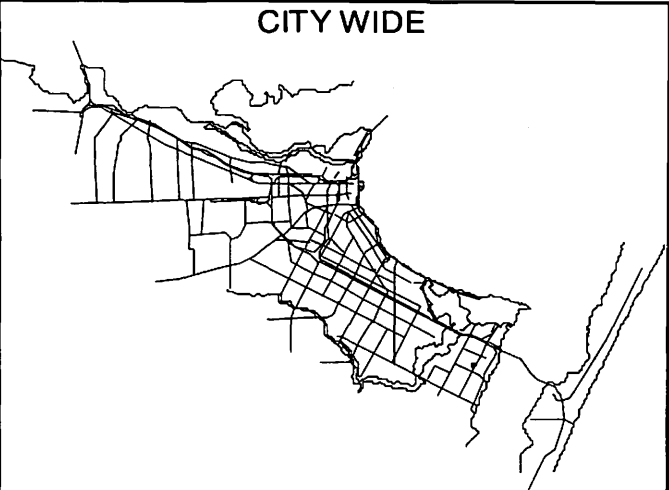
	Existing Commercial Paper/Revenue Bonds	15,123.2	-	-	-	-	-
	Texas Water Development Board Loan	7,900.0	-	-	-	-	-
	Wastewater Operating	87.4	-	-	-	-	-
	Total Currently Available:	23,110.6	-	-	-	-	-

RECOMMENDED ADDITIONAL FUNDING:

	**Commercial Paper/Revenue Bond	-	10,753.7	17,722.3	23,378.0	28,605.1	80,459.1
	TOTAL PROGRAMMED FUNDS:	23,110.6	10,753.7	17,722.3	23,378.0	28,605.1	80,459.1

*** Dependent upon availability of funding*

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Water</u></p> <p align="right">Sequence #01</p> <p>PROJECT TITLE: <u>Water Program Management</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan</i></p> <p>DESCRIPTION: 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.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering							Capital Budget Project No: 12001 Engineering Project No: E11069 Finance Project No: E11069 A/E Consultant: RFQ Contractor: N/A Award Design: Fall 2011 Award Construction: N/A Anticipated Completion: N/A Total Project Value: \$3,000,000
Construction							
Contingency							
Inspection/Other	0.9	299.1	300.0	300.0	300.0	1,199.1	
TOTAL:	0.9	299.1	300.0	300.0	300.0	1,199.1	
Source of Funds							
Commercial Paper/Revenue Bd	0.9	299.1	300.0	300.0	300.0	1,199.1	
TOTAL:	0.9	299.1	300.0	300.0	300.0	1,199.1	ADMINISTRATION

OPERATIONAL IMPACT:
 Providing water program management will improve department efficiency and provide timely project execution.

PROJECT DESCRIPTION

DEPARTMENT: Water

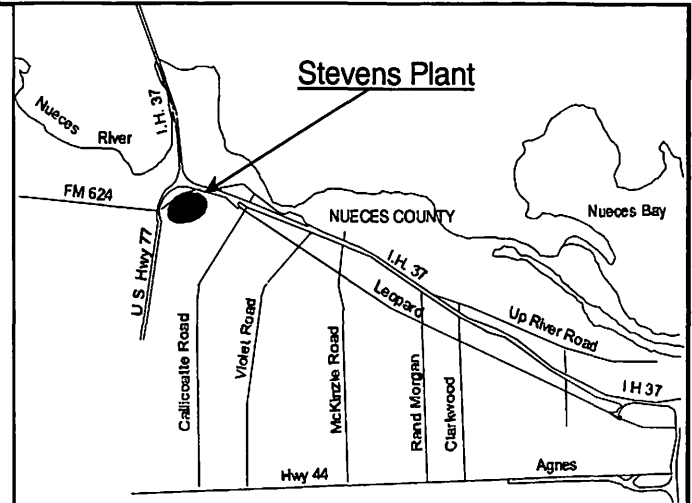
Sequence #02

PROJECT TITLE: ON Stevens Electrical Distribution Improvements

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

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 5KV 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.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	750.6						Capital Budget Project No: 07008 Engineering Project No: 8603 Finance Project No: 180191 A/E Consultant: Bath Engineering Contractor: KST Electric Award Design: August '08 Award Construction: October '11 Anticipated Completion: May '13 Total Project Value: \$8,395,800
Construction	5,522.9		1,600.0			1,600.0	
Contingency			160.0			160.0	
Inspection/Other	173.0		189.3			189.3	
TOTAL:	6,446.5	-	1,949.3	-	-	1,949.3	
Source of Funds							
Commercial Paper/Revenue Bd	6,446.5		1,949.3			1,949.3	
TOTAL:	6,446.5	-	1,949.3	-	-	1,949.3	TREATMENT

OPERATIONAL IMPACT:

Providing reliable source of electricity at the plant is essential. Using back up generators is very costly. A complete plant shutdown that renders the plant incapable of maintaining minimum pressures will result in "Boil Water Notices" and sanctions from the TCEQ; a shutdown at the ONSWTP would cause the local refineries and other businesses to reduce or shutdown production resulting in a negative economic impact to the community.

PROJECT DESCRIPTION

DEPARTMENT: Water

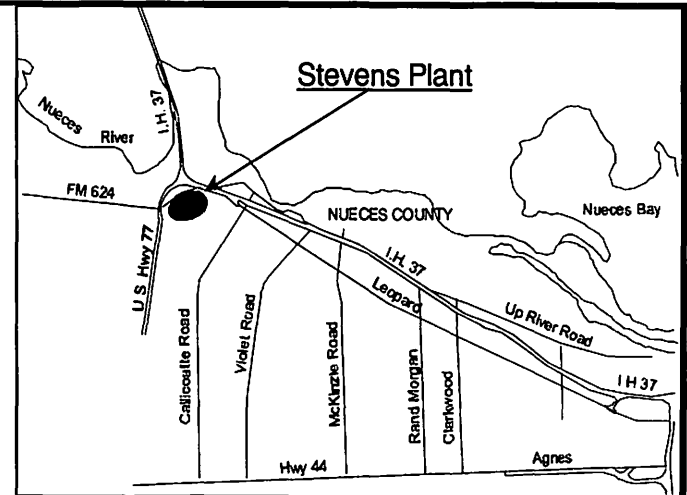
Sequence #03

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 new 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 station consists of two pump buildings. Pump Bldg 1 is over 50 years old and two of its pump were struck by lightning several years ago and were damaged beyond economic 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 ONS WTP's maximum raw water intake for the last three (3) years is 111.7 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 assess the feasibility using this pumping facility to support raw water aquifer storage and recovery.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering/Permitting		1,000.0	1,000.0			2,000.0	Capital Budget Project No: 11007 Engineering Project No: E11068 Finance Project No: E11068 A/E Consultant: RFQ Contractor: TBD Award Design: Fall '12 Award Construction: Fall '14 Anticipated Completion: Fiscal Year '16 Total Project Value: \$21,600,000
Construction				5,340.0	5,340.0	10,680.0	
Contingency				530.0	530.0	1,060.0	
Inspection/Other	1.1	198.9	200.0	530.0	530.0	1,458.9	
TOTAL:	1.1	1,198.9	1,200.0	6,400.0	6,400.0	15,198.9	
Source of Funds							
Commercial Paper/Revenue Bd	1.1	1,198.9	1,200.0	6,400.0	6,400.0	15,198.9	
TOTAL:	1.1	1,198.9	1,200.0	6,400.0	6,400.0	15,198.9	TREATMENT

OPERATIONAL IMPACT:

This project provides for an uninterrupted water supply. The need for reliable redundant sources 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, a less than favorable public image.

PROJECT DESCRIPTION

DEPARTMENT: Water

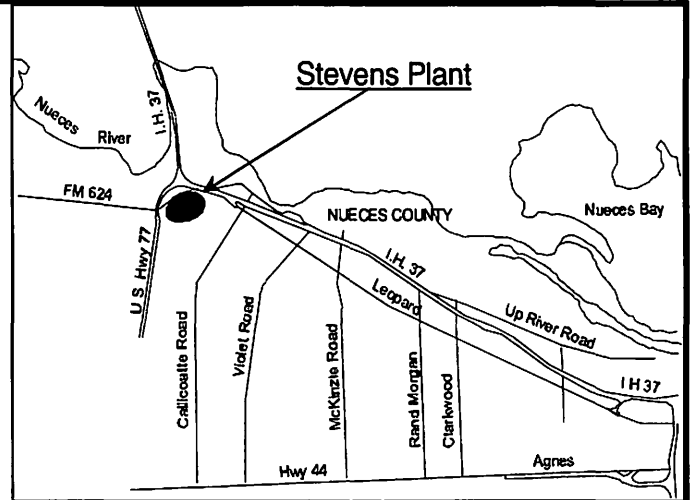
Sequence #04

PROJECT TITLE: ON Stevens Facility Alterations

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The chlorine storage area at the ON Stevens Water Treatment Plant (ONSWTP) may contain as much as 180 tons of 100% chlorine at any given time. An accidental discharge or act of sabotage on the current system WILL place the ONSWTP staff in grave danger. Increasing the distance between staff and chlorine will allow for safer plant operation and better response to an emergency. This project relocates the existing control center to the currently vacant filter control building and provides available space in the Chemical Building for Sodium Hypochlorite (See WA 07). This also includes provisions for the City's Disaster Recovery Site and for SCADA/telemetry upgrades as well additional administrative and training areas to better promote management and operational practices.



Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	528.8						Capital Budget Project No: 09002 Engineering Project No: 8657 Finance Project No: 180051 A/E Consultant: Anastos & Associates Contractor: Barcom Award Design: June '09 Award Construction: January '12 Anticipated Completion: December '12 Total Project Value: \$4,600,800 TREATMENT
Construction	500.0	2,672.0				2,672.0	
Contingency			400.0			400.0	
Inspection/Other	102.4	97.6	300.0			397.6	
TOTAL:	1,131.2	2,769.6	700.0	-	-	3,469.6	
Source of Funds							
Commercial Paper/Revenue Bd	1,131.2	2,769.6	700.0			3,469.6	
TOTAL:	1,131.2	2,769.6	700.0	-	-	3,469.6	

OPERATIONAL IMPACT:

This project addresses a major safety issue as it moves the operational areas and staff away from the location where the chlorine gas is stored.

PROJECT DESCRIPTION

DEPARTMENT: Water

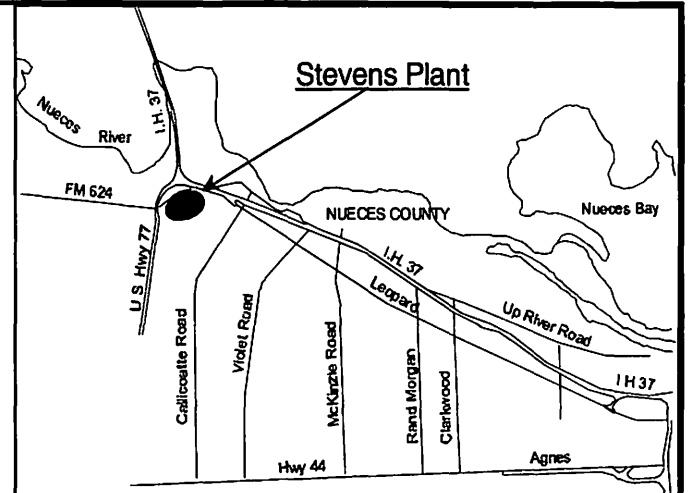
Sequence #05

PROJECT TITLE: ONS WTP AEP Transmission Line Relocation

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

American Electric Power Co., Inc. (AEP®) owns and operates the 138kv power lines that cross the ON Stevens Water Treatment Plant (ONSWTP). The ONSWTP uses no power from these lines, but if left in place, their location and elevation will interfere with current and future plant improvements. This project calls for collaboration between AEP Texas® and the City of Corpus Christi Water Department to re-route or raise the power lines so that they do not interfere with future projects. In addition to re-route/raising of the lines, AEP would be asked to replace the supporting poles with steel rather than the current wooden poles. AEP will design (city funded with City consultant assistance) and construct (city funded) the relocation of the transmission line infrastructure.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering		180.0	600.0			780.0	Capital Budget Project No: 11007
Construction				2,000.0	2,000.0	4,000.0	Engineering Project No: E10187
Contingency				125.0	125.0	250.0	Finance Project No: E10187
Inspection/Other		7.5	150.0	125.0	125.0	407.5	A/E Consultant: Freese Nichols
TOTAL:		187.5	750.0	2,250.0	2,250.0	5,437.5	Contractor: TBD
Source of Funds							Award Design: Fiscal Year '12
Commercial Paper/Revenue Bd		187.5	750.0	2,250.0	2,250.0	5,437.5	Award Construction: Fiscal Year '14
							Anticipated Completion: Fiscal Year '15
TOTAL:		187.5	750.0	2,250.0	2,250.0	5,437.5	TREATMENT Total Project Value: \$5,437,500

OPERATIONAL IMPACT:

This project needs to be complete before other plant improvement projects can proceed. The current location of these power lines poses significant safety and operational concerns. Relocating these lines would reduce the threat of plant shut downs and/or medical emergencies due to fallen power lines.

PROJECT DESCRIPTION

DEPARTMENT: Water

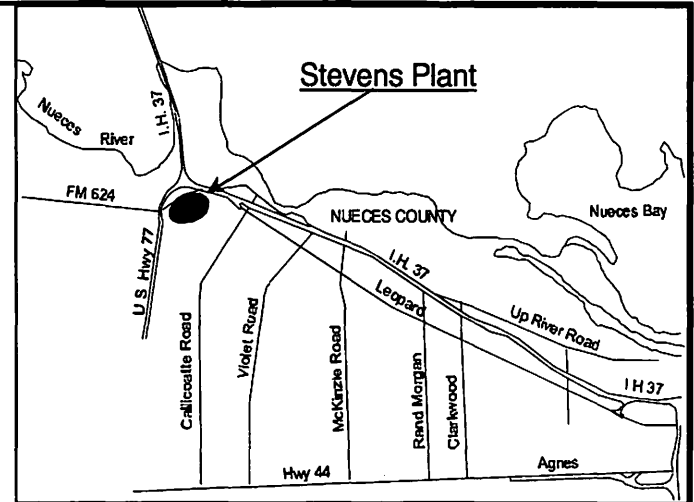
Sequence #06

PROJECT TITLE: ON Stevens On Site Disinfection

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

O.N. Stevens Water Treatment Plant currently uses chlorine gas as a disinfectant. Under this project, it is anticipated that the chlorine gas feed will be completely replaced with the inherently safer technology such as salt storage, hypochlorite generation, liquid hypochlorite storage and feed equipment. This project is a priority due to risks associated with current equipment, life cycle replacement needs, fire code/chlorine institute requirements, material shipping and cost to facilitate needed improvements. Construction will take place in later years pending availability of funding. A decision matrix assessment of the best and most efficient treatment process is in progress.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	36.7	100.0	125.0	300.0		525.0	Capital Budget Project No: 11001 Engineering Project No: E10070 Finance Project No: E10070 E10144 A/E Consultant: URS Contractor: TBD Award Design: February '12 Award Construction: Fiscal Year '15 Anticipated Completion: Fiscal Year '16 Total Project Value: \$7,825,000 TREATMENT
Construction					3,000.0	3,000.0	
Contingency					300.0	300.0	
Inspection/Other		13.3	50.0	100.0	300.0	463.3	
TOTAL:	36.7	113.3	175.0	400.0	3,600.0	4,288.3	
Source of Funds							
Commercial Paper/Revenue Bd	36.7	113.3	175.0	400.0	3,600.0	4,288.3	
TOTAL:	36.7	113.3	175.0	400.0	3,600.0	4,288.3	

OPERATIONAL IMPACT:

Improvements to the feed system may increase operational costs increasing slightly. An accidental discharge or act of sabotage on the current system WILL place the ONSWTP staff and general public in grave danger. Replacement of the current chlorine system with a Sodium Chlorite (NaClO₂) system will eliminate any dangers associated with chlorine storage.

PROJECT DESCRIPTION

DEPARTMENT: Water

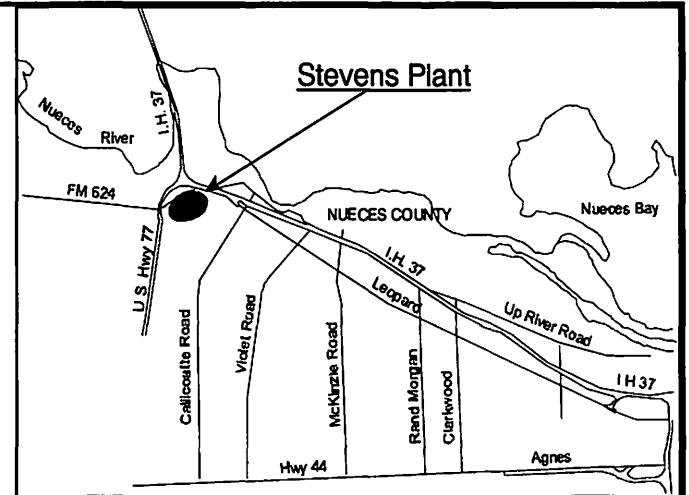
Sequence #07

PROJECT TITLE: ON Stevens Facilities Feed Optimization Improvements (Chlorine/Chloramine Optimization Assessment)

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The O.N. Stevens Facility Feed Optimization project provides for infrastructure process improvements which address caustic feed process design and construction, design of polymer process improvements, and design of alum storage and feed improvements. This is a multi-year investment with caustic feed programmed in the current year. Additional construction projects for polymer and alum will take place in years two through four and are listed in other capital project pages.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	1,875.4						Capital Budget Project No: 07010 Engineering Project No: 8605 Finance Project No: 180193 A/E Consultant: LNV Contractor: Associated Construction Award Design: June '08 Award Construction: April '12 Anticipated Completion: November '12 Total Project Value: \$2,364,500
Construction	50.0	331.9				331.9	
Contingency			30.0			30.0	
Inspection/Other	47.2		30.0			30.0	
TOTAL:	1,972.6	331.9	60.0	-	-	391.9	
Source of Funds							
Commercial Paper/Revenue Bd	1,972.6	331.9	60.0			391.9	
TOTAL:	1,972.6	331.9	60.0	-	-	391.9	TREATMENT

OPERATIONAL IMPACT:

These improvements and upgrades to the Caustic Feed system will allow operator to better control and adjust caustic feed, resulting in better water quality and a reduction in chemical cost.

PROJECT DESCRIPTION

DEPARTMENT: Water

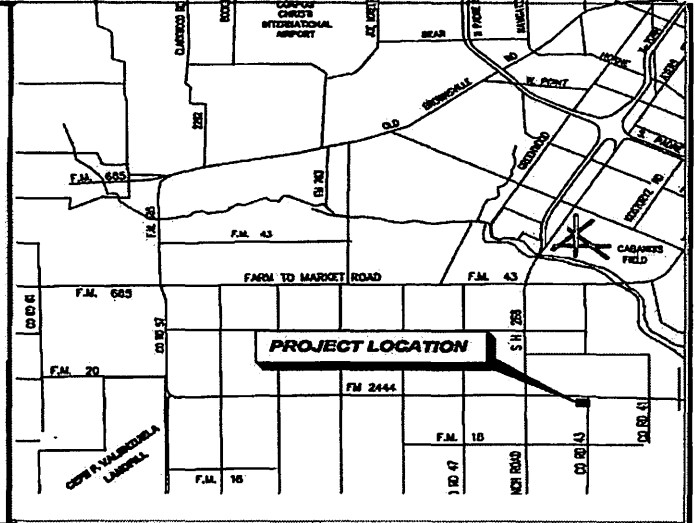
Sequence #08

PROJECT TITLE: South Staples Pump Station Phase 2 - Third Pump

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 serve the area. Current data shows that, frequently, both pumps are needed to maintain the minimum required pressure. In order for a pump station to be in compliance with Texas Commission on Environmental Quality (TCEQ), it must be able to maintain at least the minimum required pressure within the area it serves. This regulation ensures that if a pump fails, the other pump will be sufficient to maintain system minimum pressure of 35 PSI. A third pump at the Staples Street Booster Pump Station will serve to maintain adequate flow and pressure in the event that a pump fails or if demands exceed the capacity of the current pumps.



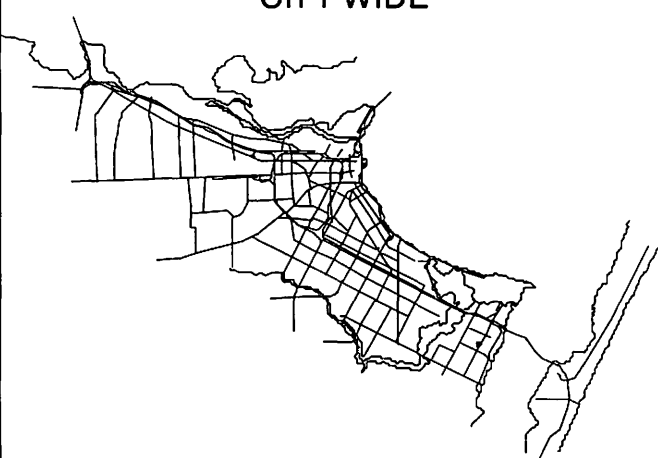
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	87.4		50.0			50.0	Capital Budget Project No: 13001 Engineering Project No: E12030 Finance Project No: E12030 A/E Consultant: Urban Eng. Contractor: TBD Award Design: March '12 Award Construction: August '12 Anticipated Completion: June '13 Total Project Value: \$1,587,400
Construction			1,200.0			1,200.0	
Contingency			125.0			125.0	
Inspection/Other			125.0			125.0	
TOTAL:	87.4	-	1,500.0	-	-	1,500.0	
Source of Funds							
Commercial Paper/Revenue Bd Wastewater Operating	87.4		1,500.0			1,500.0	
TOTAL:	87.4	-	1,500.0	-	-	1,500.0	DISTRIBUTION

OPERATIONAL IMPACT:

This operational costs will not substantially increase with this project, but system reliability and constant pressures will.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Water</u></p> <p align="right">Sequence #09</p> <p>PROJECT TITLE: <u>Programmed Water Line Service Life Extension</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan</i></p> <p>DESCRIPTION: 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. Some work will be completed using in-house forces to save on costs where applicable.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering		500.0	500.0			1,000.0	Capital Budget Project No: 11006
Construction				2,000.0	2,000.0	4,000.0	Engineering Project No: 8610
Contingency				200.0	200.0	400.0	Finance Project No: 180198
Inspection/Other	108.5	141.5	225.0	300.0	300.0	966.5	A/E Consultant: TBD
TOTAL:	108.5	641.5	725.0	2,500.0	2,500.0	6,366.5	Contractor: TBD
Source of Funds							Award Design: Fall '11
Commercial Paper/Revenue Bd	108.5	641.5	725.0	2,500.0	2,500.0	6,366.5	Award Construction: On-Going
							Anticipated Completion: On-Going
							Total Project Value: \$24,791,900
TOTAL:	108.5	641.5	725.0	2,500.0	2,500.0	6,366.5	DISTRIBUTION

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: Water

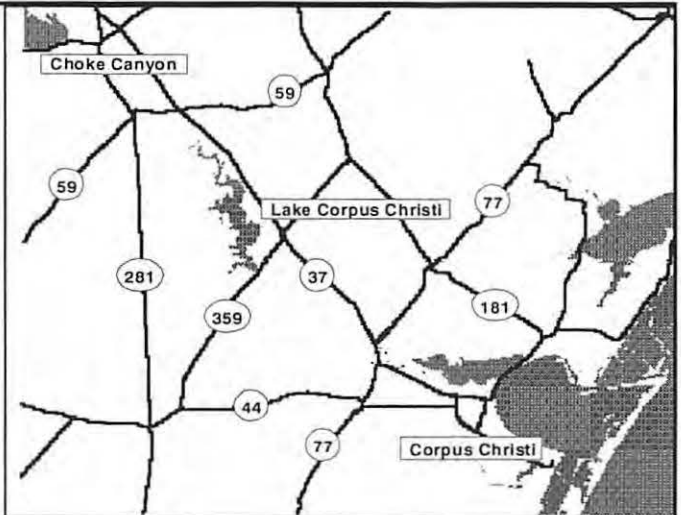
Sequence #10

PROJECT TITLE: Wesley Seale Instrumentation Testing and Rehabilitation

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The original piezometers were installed in the late 1990's to ensure the security of the dam and measure differential lateral movement of the dam. This project provides for improvements to the dewatering system and valve replacement in response to previous inspection and priority investment recommendations into the system. This project is required to protect the integrity of the Wesley Seale Dam system. Construction will continue into and be completed in year four.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	49.1	250.0				250.0	Capital Budget Project No: 12001 Engineering Project No: 8663 Finance Project No: 180548 A/E Consultan: Freese Nichols Contractor: TBD Award Design: October '11 Award Construction: Summer '13 Anticipated Completion: Summer '16 Total Project Value: \$ 9,437,500
Construction				1,500.0	3,000.0	4,500.0	
Contingency				150.0	300.0	450.0	
Inspection/Other	0.9	37.5		150.0	300.0	487.5	
TOTAL:	50.0	287.5	-	1,800.0	3,600.0	5,687.5	
Source of Funds							
Commercial Paper/Revenue Bd	50.0	287.5		1,800.0	3,600.0	5,687.5	
TOTAL:	50.0	287.5	-	1,800.0	3,600.0	5,687.5	TREATMENT

OPERATIONAL IMPACT:

This project will ensure the City is providing reservoir supplies and has secured the structural integrity of the dam.

PROJECT DESCRIPTION

DEPARTMENT: Water

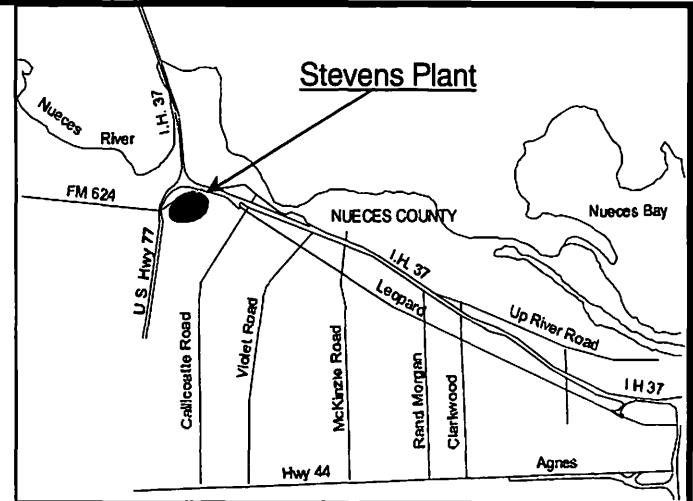
Sequence #11

PROJECT TITLE: ONS WTP High Service Building No. 3

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

High Service building No.1 is located atop Clearwell No.1. The condition of that building has deteriorated due to age and vibrations from the pumps and motors. Because High Service Building No. 1 is located directly atop a clearwell 1, repairing this building and equipment is neither feasible nor cost effective. This project calls for construction of a new High Service Building capable of delivering water to all areas of service in quantities and pressures that meet or exceed TCEQ requirements. When completed, High Service No. 3 will have the capability to deliver water to the distribution system from either clearwell No.1 or clearwell No.2 and future clearwell No. 3. The design of this project is programmed for years two and three, with construction to follow in years four through seven.




FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering				600.0	1,000.0	1,600.0	Capital Budget Project No: 12002 Engineering Project No: E11066 Finance Project No: E11066 A/E Consultant: RFQ Contractor: TBD Award Design: FY '13 Award Construction: Fiscal Year '16 Anticipated Completion: Fiscal Year '19 Total Project Value: \$ 21,200,000 TREATMENT
Construction							
Contingency				200.0	200.0	400.0	
Inspection/Other							
TOTAL:		-	-	800.0	1,200.0	2,000.0	
Source of Funds							
Commercial Paper/Revenue Bd				800.0	1,200.0	2,000.0	
TOTAL:		-	-	800.0	1,200.0	2,000.0	

OPERATIONAL IMPACT:

Constructing a new High Service Building #3 would eliminate the probability of a structural failure in high service #1 that would prevent the ONSWTP from being able to pump water to the distribution system effectively. This would cause water usage restrictions, loss of revenue, and poor public image.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Water</u></p> <p align="right">Sequence #12</p> <p>PROJECT TITLE: <u>Elevated Water Storage Tanks - Citywide</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan</i></p> <p>DESCRIPTION: The existing distribution system pressures are maintained primarily by valves and pump stations. This project will provide multiple 2 million gallons per day (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 170LF tall and will require a series of tanks throughout the city to balance the pressures. Design will begin in year three and construction will take place in the long range program dependent upon availability of funding.</p>	<p>CITY WIDE</p> 
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FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			180.0	400.0		580.0	Capital Budget Project No: 13002 Engineering Project No: 8651 Finance Project No: 180203 A/E Consultant: TBD Contractor: TBD Award Design: Various Award Construction: On-Going Anticipated Completion: On-Going Total Project Value: \$ 23,570,000
Construction					4,500.0	4,500.0	
Contingency					450.0	450.0	
Inspection/Other			20.0	50.0	300.0	370.0	
TOTAL:		-	200.0	450.0	5,250.0	5,900.0	
Source of Funds							
Commercial Paper/Revenue Bd			200.0	450.0	5,250.0	5,900.0	
TOTAL:		-	200.0	450.0	5,250.0	5,900.0	DISTRIBUTION

OPERATIONAL IMPACT:

This project will help provide a end users with a uniform water pressure and additional potable water storage in the event that peak demands exceed production rates.

PROJECT DESCRIPTION

DEPARTMENT: Water

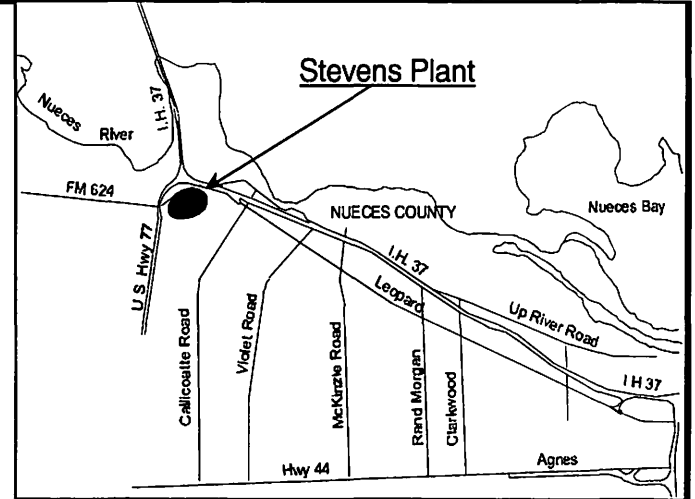
Sequence #13

PROJECT TITLE: ONS WTP Solids Handling Facilities

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This project will provide a new solids handling facility to receive water plant treatment pre-processing residuals. The pre-sedimentation basins and north and south lagoons currently store the water treatment residuals and when they are full, these residuals are pumped to the Pollywog Ponds. When the Pollywog Ponds are filled to capacity, the plant will need a new method to transfer, store and dispose of these non-hazardous residuals. The Pollywog Ponds will be reach their capacity within the next four years. A new method of solids handling may be achieved through mechanical dewatering onsite or drying beds or other methods is required.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			200.0			200.0	Capital Budget Project No: 10115 Engineering Project No: 8607 Finance Project No: 180195 A/E Consultant: RFQ Contractor: TBD Award Design: Fiscal Year '13 Award Construction: Fiscal Year '14 Anticipated Completion: Fiscal Year '16 Total Project Value: \$3,825,000
Construction				1,500.0	1,500.0	3,000.0	
Contingency				150.0	150.0	300.0	
Inspection/Other			25.0	150.0	150.0	325.0	
TOTAL:		-	225.0	1,800.0	1,800.0	3,825.0	
Source of Funds							
Commercial Paper/Revenue Bd			225.0	1,800.0	1,800.0	3,825.0	
TOTAL:		-	225.0	1,800.0	1,800.0	3,825.0	TREATMENT

OPERATIONAL IMPACT:

Providing solids material handling at the water plant is essential to water plant operations and for compliance with TCEQ permit regulations.

PROJECT DESCRIPTION

DEPARTMENT: Water

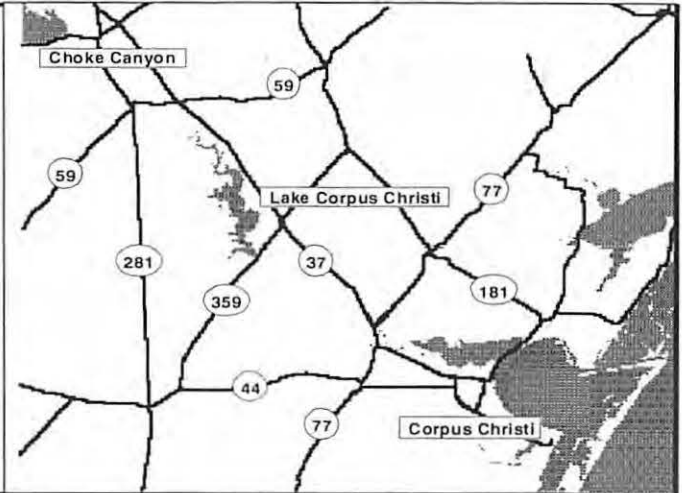
Sequence #14

PROJECT TITLE: Mary Rhodes Water Supply Pipeline, Phase 2 (Garwood Water Supply Transmission Facilities)

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) is complete and Phase 2 (Permit Application) is under agency review. Phase 3 (Land Acquisition) is on-going and programmed for completion in Fiscal Year 13. Design will be complete in Fiscal Year '13 and construction will be programmed when water supply demands are required.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Legal	812.5						
Land Acquisition		1,000.0	3,600.0			4,600.0	Capital Budget Project No: 01005
Design & Engineering	7,900.0						Engineering Project No: E10008
Construction							Finance Project No: E10008
Contingency							
Inspection/Other	38.9	148.6	360.0			508.6	A/E Consultant: Freese and Nichols
TOTAL:	8,751.4	1,148.6	3,960.0	-	-	5,108.6	Contractor: TBD
Source of Funds							Award Phase 2: December '07
Commercial Paper/Revenue Bd	851.4	1,148.6	3,960.0			5,108.6	Award Phase 3: November '09
Tx Water Development Board	7,900.0						Award Construction: TBD
TOTAL:	8,751.4	1,148.6	3,960.0	-	-	5,108.6	Anticipated Completion: TBD
							Total Project Value: TBD
							RAW WATER SUPPLY

OPERATIONAL IMPACT:

Design will be completed within the next two years. This allows time to complete the land acquisition and be ready if a funding opportunity for construction arises. At this time, it is anticipated that construction will be on schedule for beginning in the 2018 timeframe. Maintenance and operational costs will increase, but corresponding revenues will also increase with the additional water consumption.

PROJECT DESCRIPTION

DEPARTMENT: Water

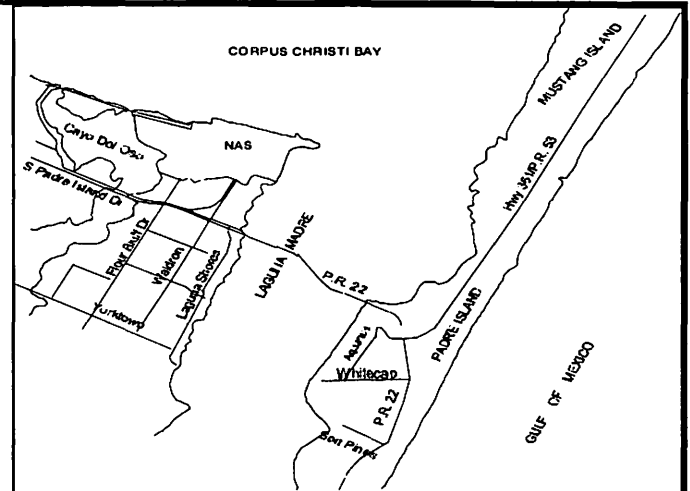
Sequence #15

PROJECT TITLE: Padre Island Alternate Water Transmission Main

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

The existing water feed to Padre Island is a 24-inch ductile iron pipe which has been in service for more than 30 years. Recent improvements to the Padre Island water system include the addition of an elevated water storage tank, which has greatly helped with water pressures. An engineering study is near completion to assess existing demographics, water pressures, water requirements and plan interim improvements to the Island's water system in lieu of completing the more costly Southside Water Transmission Main. This project will continue with the phased design and implementation of the resulting proposed recommendations.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering	414.2	400.0				400.0	Capital Budget Project No: 11004 Engineering Project No: E10186 Finance Project No: E10186 A/E Consultant: Urban Eng. Contractor: TBD Award Design: Fiscal Year '12 Award Construction: Fiscal Year '13 Anticipated Completion: Fiscal Year '14 Total Project Value: \$8,104,500
Construction			2,500.0	3,500.0		6,000.0	
Contingency			250.0	350.0		600.0	
Inspection/Other	9.5	80.8	130.0	470.0		680.8	
TOTAL:	423.7	480.8	2,880.0	4,320.0	-	7,680.8	
Source of Funds							
Commercial Paper/Revenue Bd	423.7	480.8	2,880.0	4,320.0		7,680.8	
TOTAL:	423.7	480.8	2,880.0	4,320.0	-	7,680.8	NETWORK

OPERATIONAL IMPACT:

This project will provide a more reliable water supply line to North Padre Island.

PROJECT DESCRIPTION

DEPARTMENT: Water

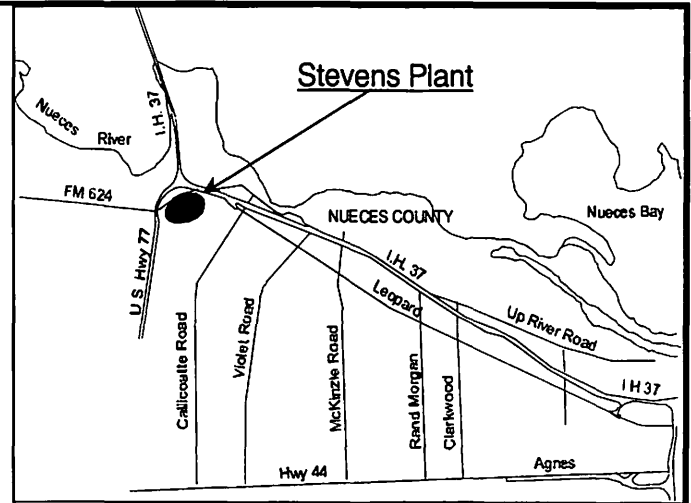
Sequence #16

PROJECT TITLE: ON Stevens Alum Facilities Replacement

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This design of this project was completed under the ON Stevens Facilities Feed Optimization project. This project will provide for the construction of alum process improvements. The work includes the relocation of injection points and re-route of the existing piping so that the new chemical feed systems can be fed to the new piping at the front end of the plant. The proposed injection points for the alum and polymer systems will be in the Rapid Mix and Valve Vault Structures upstream of each of the four sedimentation basins. The pump flash mix system will utilize a pumped high velocity jet of water to impart the flash mixing energy to the process flow. The proposed pump flash mix systems represent a substantial improvement in the current mixing conditions at the point of alum and polymer injection, which will help optimize the use of chemicals at the water plant.



FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering			45.0			45.0	Capital Budget Project No: 13001
Construction				650.0	900.0	1,550.0	Engineering Project No: TBD
Contingency				65.0	90.0	155.0	Finance Project No: TBD
Inspection/Other			5.0	71.0	110.0	186.0	A/E Consultant: LNV
TOTAL:		-	50.0	786.0	1,100.0	1,936.0	Contractor: TBD
Source of Funds							Award Design: On-Going
Commercial Paper/Revenue Bd			50.0	786.0	1,100.0	1,936.0	Award Construction: Fiscal Year '14
							Anticipated Completion: Fiscal Year '15
TOTAL:		-	50.0	786.0	1,100.0	1,936.0	TREATMENT

OPERATIONAL IMPACT:

Improvements to the feed system may increase operational costs increasing slightly, but the chemical cost savings and new plant efficiencies will greatly decrease costs.

PROJECT DESCRIPTION

DEPARTMENT: Water

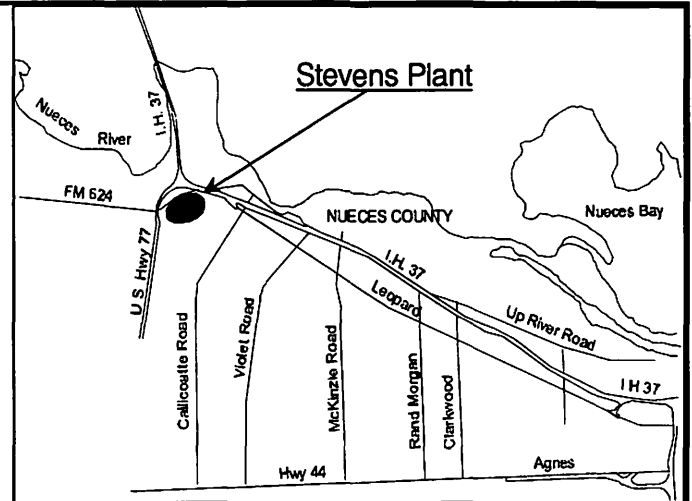
Sequence #17

PROJECT TITLE: ON Stevens Polymer Liquid Ammonium Sulfate (LAS) Facilities Replacement

Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan

DESCRIPTION:

This design of this project was completed under the ON Stevens Facilities Feed Optimization project. This project will provide for the construction of polymer process improvements. The work includes the relocation of injection points and re-route of the existing piping so that the new chemical feed systems can be fed to the new piping at the front end of the plant. The chemical injection points for the Liquid Ammonia Sulfate (LAS) at the west side of the plant are proposed in the pipes within the new chemical injection vault between the Raw Water Junction and Splitter Structure and the Primary Sedimentation Basins. The chemicals will be injected by a direct inject chemical diffuser used to diffuse chemical across the width of the pipe, which will greatly optimize the use of chemicals at the water plant. Construction will continue into long range and is expected to be complete in FY '17.




FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering					45.1	45.1	Capital Budget Project No: 13001 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: LNV Contractor: TBD Award Design: On-Going Award Construction: Fiscal Year '14 Anticipated Completion: Fiscal Year '15 Total Project Value: \$3,645,100
Construction					300.0	300.0	
Contingency					30.0	30.0	
Inspection/Other					30.0	30.0	
TOTAL:		-	-	-	405.1	405.1	
Source of Funds							
Commercial Paper/Revenue Bd					405.1	405.1	
TOTAL:		-	-	-	405.1	405.1	TREATMENT

OPERATIONAL IMPACT:

Improvements to the feed system may increase operational costs increasing slightly, but the chemical cost savings and new plant efficiencies will greatly decrease costs.

PROJECT DESCRIPTION

<p>DEPARTMENT: <u>Water</u></p> <p>PROJECT TITLE: <u>Developer Utility Participation - Water</u></p> <p><i>Consistency with the Comprehensive Plan: Policy Statements pp. 48: 1,3 & 6; pp. 55-57; Water Master Plan</i></p> <p>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.</p>	<p align="right">Sequence #18</p> 
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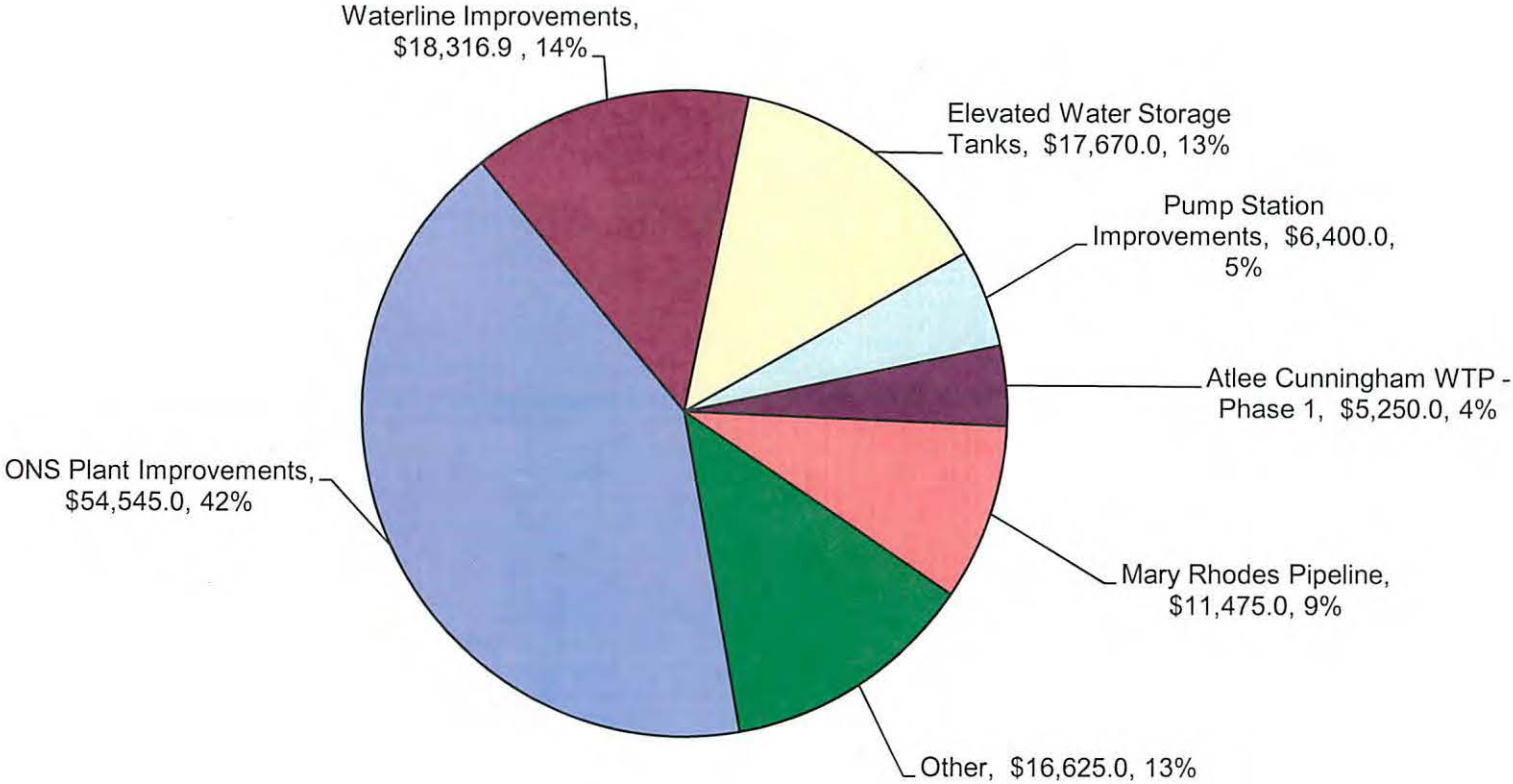
FUNDING SCHEDULE (Amounts in 000's)

Use of Funds	Project-to-Date Expenditures thru March '12	Carry forward (CF) budget	CIP Budget Year 1 2012-2013	Year 2 2013-2014	Year 3 2014-2015	Three Year Total + CF	PROJECT NOTES:
Design & Engineering Construction Contingency Inspection/Other	100.0		100.0	100.0	100.0	300.0	Capital Budget Project No: 12005 Engineering Project No: TBD Finance Project No: TBD A/E Consultant: TBD Contractor: TBD
TOTAL:	100.0	-	100.0	100.0	100.0	300.0	Award Design: TBD
Source of Funds							Award Construction: TBD
Commercial Paper/Revenue Bd	100.0		100.0	100.0	100.0	300.0	Anticipated Completion: TBD
TOTAL:	100.0	-	100.0	100.0	100.0	300.0	Total Project Value: \$1,100,000

OPERATIONAL IMPACT:

This item should increase water revenues through additional customer usage.

Water
Long-Range CIP: \$130,281.9
(Amounts in 000's)



**WATER
LONG-RANGE CIP**

	Long-Range Year
<p>1 Water Program Management (continued) \$2,100,000</p> <p>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.</p>	4, 5, 6, 7, 8, 9, 10
<p>2 Nueces River Raw Water Pump Station (continued) \$6,400,000</p> <p>A new pumping facility is needed to meet current and future peak water demands. The Nueces River Pump Station provides raw water to the ON Steven Water Treatment Plant (ONSWTP). The station consists of two pump buildings. Pump Bldg 1 is over 50 years old and two of its pump were struck by lightning several years ago and were damaged beyond economic repair. The pumping capacity for the Nueces River Pump Station is 140.5 million gallons per day (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 MGD. The ONS WTP's maximum raw water intake for the last three (3) years is 111.7 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 assess the feasibility using this pumping facility to support raw water aquifer storage and</p>	4,5
<p>3 ON Stevens On-Site Disinfection (continued) \$3,500,000</p> <p>O.N. Stevens Water Treatment Plant currently uses chlorine gas as a disinfectant. Under this project, the chlorine gas feed will be completely replaced with the inherently safer technology of salt storage, hypochlorite generation, liquid hypochlorite storage and feed equipment. Project needs to be a priority due to risks associated with current equipment, life cycle replacement needs, fire code/chlorine institute requirements, material shipping and cost to facilitate needed improvements. Construction will take place in later years pending availability of funding.</p>	4

**WATER
LONG-RANGE CIP**

		<u>Long-Range Year</u>
4	<p><u>ON Stevens Raw Water Influent Improvements</u> <u>\$15,780,000</u></p> <p>The O.N. Stevens Water Treatment Plant has hydraulic anomalies in the existing piping configuration that limit the hydraulic capacity of the plant to less than the treatment capacity of the plant. This project also addresses the inability to send all raw water to the Presedimentation Basin, which will allow for a better blending of the raw water sources. In addition to the hydraulic restrictions posed by the existing piping, the piping also makes it difficult to split incoming water flow between the two treatment trains. This project proposes to eliminate all constrictions in the front end piping, which allows raw water to be routed through the Presedimentation Basin, and allows a passive flow split between the two treatment trains. Construction will begin immediately after completion of the AEP Transmission Line Relocation (Sequence #5) which is anticipated in Year Five.</p>	5, 6, 7
5	<p><u>Programmed Water Line Service Life Extension (continued)</u> <u>\$18,316,900</u></p> <p>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.</p>	4, 5, 6, 7 8, 9, 10
6	<p><u>ONS WTP High Service Building No. 3 (continued)</u> <u>\$19,200,000</u></p> <p>High Service building No.1 is located atop Clearwell No.1. The condition of that building has deteriorated due to age and vibrations from the pumps and motors. Because High Service Building No. 1 is located directly atop a clearwell 1, repairing this building and equipment is neither feasible nor cost effective. This project calls for construction of a new High Service Building capable of delivering water to all areas of service in quantities and pressures that meet or exceed TCEQ requirements. When completed High Service No. 3 will have the capability to deliver water to the distribution system from either clearwell No.1 or clearwell No.2 and future clearwell 3. The design of this project is programmed for years two and three, with construction to follow in years four through seven.</p>	4, 5, 6, 7
7	<p><u>Elevated Water Storage Tanks - Citywide (continued)</u> <u>\$17,670,000</u></p> <p>The existing distribution system pressures are maintained primarily by valves and pump stations. This project will provide multiple 2MGD 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 170LF tall and will require a series of tanks throughout the city to balance the pressures. Design will begin in year three and construction will take place in the long range program dependant upon availability of funding.</p>	4, 6, 7, 8, 9, 10

**WATER
LONG-RANGE CIP**

	Long-Range Year
<p>8 ON Stevens Plant Sedimentation Basins 3 & 4 Improvements \$4,725,000</p> <p>A 1999 project at the ON Stevens Plant (#8039) replaced the original paddle-wheel flocculators with walking-beam flocculators, removed the circular sludge collection equipment and replaced it with new sludge withdrawal equipment, and replaced the effluent weir with a baffle wall in Primary Sedimentation Basin Nos. 1 & 2. This project includes similar improvements for Primary Sedimentation Basins Nos. 3 & 4.</p>	6, 7, 8
<p>9 Atlee Cunningham WTP Phase 1 (20 MGD) \$5,250,000</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>	8, 9, 10
<p>10 ON Stevens Water Treatment Plant Site Infrastructure Improvements \$8,100,000</p> <p>There are several major improvement projects planned or currently under construction at ONSWTP which have an impact on the overall layout of the plant and may impact overall vehicular access, traffic flow, and parking. This project will develop and implement a phased master plan to address site infrastructure improvements.</p>	5, 6, 7
<p>11 Utility Building Expansion \$10,125,000</p> <p>Wastewater, Water, and Storm Water Departments staff exceed the capacity of the existing building, creating inefficient administrative and operating conditions. This project will provide more efficient design and additional office space and eliminate the ongoing need for temporary work trailers. This funding is for design and construction will follow in out years as funding allows.</p>	7, 8, 9, 10
<p>12 Mary Rhodes Phase 1 Segment 1 Unit Installation \$11,475,000</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>	5, 6, 7, 8, 9
<p>13 Wesley Seale Dam (continued) \$3,700,000</p> <p>The original piezometers were installed in the late 1990's to ensure the security of the dam and measure differential lateral movement of the dam. This project provides for improvements to the dewatering system and valve replacement in response to previous inspection and priority investment recommendations into the system. This project is required to protect the integrity of the Wesley Seale Dam system. Construction will continue into and be completed in year four.</p>	4

**WATER
LONG-RANGE CIP**

		<u>Long-Range Year</u>
14	<p><u>ON Stevens Water Treatment Plant Alternate Power -Generator #4</u> TBD</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>	<p>Pending</p> <p>Not Included in Total</p>
15	<p><u>Construct Monofill on Site</u> TBD</p> <p>This project accompanies the ON Stevens Solids Handling facilities and needs to be in place when the facility is completed.</p>	<p>Pending</p> <p>Not Included in Total</p>
16	<p><u>ONS WTP Improvements to Presedimentation Basin</u> TBD</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.</p>	<p>Pending</p> <p>Not Included in Total</p>
17	<p><u>ON Stevens Polymer Liquid Ammonium Sulfate (LAS) Facilities Replacement (continuation)</u> \$3,240,000</p> <p>The scope of work outlined in this project will include the relocation of injection points and reroute of the existing piping such that the new chemical feed systems can be fed to the new piping proposed by others at the front end of the plant under the Raw Water Influent Improvements project (8643). The chemical injection points for Liquid Ammonia Sulfate (LAS) at the west side of the plant are proposed in the pipes within the new chemical injection vault between the Raw Water Junction and Splitter Structure and the Primary Sedimentation Basins. The chemicals will be injected by a direct inject chemical diffuser used to diffuse chemical across the width of the pipe, which will help optimize the use of chemicals at the ONS WTP.</p>	<p>4, 5</p>
18	<p><u>Developer Participation - Water (continuation)</u> \$700,000</p> <p>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.</p>	<p>4, 5, 6, 7, 8, 9, 10</p>
20	<p><u>Garwood Water Supply Pipeline</u> \$129,000,000</p> <p>In 1992, the City entered into an option agreement for the potential purchase of up to 35,000 acre-feet per year of water rights from the Garwood Irrigation Company. Use of the water requires routing the pipeline and transmission facilities from the Colorado River around Lake Texana, and joining the Garwood pipeline to the Mary Rhodes Pipeline at a point just downstream of Lake Texana.</p>	<p>Pending</p> <p>Not Included in Total</p>
<u>TOTAL FUTURE CAPITAL IMPROVEMENT NEEDS:</u>		<u>\$130,281,900</u>

