Project:	Miscellaneous and Emergency Needs (Acquisition, Engineering, Construction, and Legal).	**Council District**		**CIP No.: M-000100 (PROPOSED)**
		Location: Var	**Served:** Var	
		Geographic Ref.:	**Key Map:**	**Neighborhood:**

Description: This project provides for feasibility, design, construction, acquisition, engineering and legal services for future projects or unforeseen projects.

Justification: Storm drainage projects often require extended feasibility analyses to define areas, benefits, and costs. These analyses need to occur prior to identifying an individual project within the CIP.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition	300						300
Design	3,091	1,400	1,000				5,491
Construction							
Equipment							
Civic Art							
Other							
Total Allocations	3,391	1,400	1,000				5,791
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	3,391						3,391
Fund 4505 - Storm Sewer Cons. Const. Fund		1,400	1,000				2,400
Total Funds	3,391	1,400	1,000				5,791

Project:	Local Drainage Projects (LDP)	**Council District**			**CIP No.: M-000126 (PROPOSED)**
		Location:	VAR	**Served:** VAR	
		Geographic Ref.:	VAR	**Key Map:** VAR	**Neighborhood:**

Description: LDP focus on storm drainage problems that are not big enough for CIP projects but are beyond the typical capability of Storm Water Maintenance. LDP address issues such as localized street and/or structural flooding, drainage ditch/channel repair, restoration or limited improvement, storm sewer system repair; outfall structure repair; and other drainage related issues.

Justification: LDP provide a way for the City to assist citizens and neighborhoods in need of solving local/small drainage problems that might otherwise wait years to be addressed via the CIP. Citizens can make drainage problem complaints through 311.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design	550	300	300	300	300	300	2,050
Construction	2,000	2,100	2,700	2,700	2,700	2,700	14,900
Equipment							
Civic Art							
Other							
Total Allocations	2,550	2,400	3,000	3,000	3,000	3,000	16,950
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	2,330						2,330
Fund 4505 - Storm Sewer Cons. Const. Fund	220	2,400	3,000	3,000	3,000	3,000	14,620
Total Funds	2,550	2,400	3,000	3,000	3,000	3,000	16,950

Project:	Stormwater Program Management, Planning & Technical Services	**Council District**			**CIP No.: M-000220 (PROPOSED)**
		Location:	ALL	**Served:** ALL	
		Geographic Ref.:	VAR	**Key Map:** VAR	**Neighborhood:**

Description: Project provides planning, project management, floodplain administration support, technical designs and analyses, and construction management to support implementation of storm drainage projects throughout the city.

Justification: Support services are needed support delivery of improvements to the City's storm drainage infrastructure to reduce structural flooding citywide.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design	2,319	1,100	1,100	1,100	1,100	1,100	7,819
Construction							
Equipment							
Civic Art							
Other							
Total Allocations	2,319	1,100	1,100	1,100	1,100	1,100	7,819
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	2,319						2,319
Fund 4505 - Storm Sewer Cons. Const. Fund		1,100	1,100	1,100	1,100	1,100	5,500
Total Funds	2,319	1,100	1,100	1,100	1,100	1,100	7,819

Project:	Kirkwood Area Drainage Improvements (Buffalo Bayou to IH-10)	**Council District**				**CIP No.: M-000247 (PROPOSED)**
		Location:	G	**Served:**	G	
		Geographic Ref.:	4857-4858	**Key Map:**	489A,B,E,F	**Neighborhood:**

Description: Phase 1 of project consists of drainage improvements to serve the Nottingham area. Project has Water and Wastewater coordination. Future phase 2 of project consists of drainage improvements to serve the Yorkshire area. CDP outfall W0224, W0209, and adjacent areas. Buffalo Bayou watershed.

Justification: Relief storm sewer necessary to alleviate hydraulic conditions that cause localized flooding problems throughout the area due to insufficient pipe capacity.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design				400			400
Construction			10,700			9,500	20,200
Equipment							
Civic Art							
Other							
Total Allocations			10,700	400		9,500	20,600
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund							
Fund 4505 - Storm Sewer Cons. Const. Fund			10,700	400		9,500	20,600
Total Funds			10,700	400		9,500	20,600

Project:	Kirkwood Dr (Briar Forest) Drainage Improvements	**Council District**			**CIP No.: M-000250 (PROPOSED)**
		Location:	G	**Served:** G	
		Geographic Ref.:	4856	**Key Map:** 489N	**Neighborhood:** 18

Description: Drainage improvements to serve an area bound by Buffalo Bayou on the north, Westheimer on the south, Wilcrest on the east, and Dairy Ashford on the west. CDP outfall W0014 and adjacent areas. Project has Water coordination.

Justification: Relief storm sewer necessary to alleviate hydraulic conditions that cause localized flooding problems throughout the areas due to insufficient pipe capacity.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	Estimated 2010	Fiscal Year Planned Appropriations 2011	2012	2013	2014	2015	Project Total
Acquisition	300						300
Design		200					200
Construction	6	8,410					8,416
Equipment							
Civic Art							
Other							
Total Allocations	306	8,610					8,916
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	306						306
Fund 4505 - Storm Sewer Cons. Const. Fund		7,800					7,800
Fund 8500 - Water & Sewer Cons. Const. Fund		810					810
Total Funds	306	8,610					8,916

Project:	Braes Boulevard and Academy Street Storm Drainage Trunk Line	**Council District**		**CIP No.: M-000255 (PROPOSED)**
		Location: C	**Served:** C	
		Geographic Ref.:	**Key Map:** 532E,J	**Neighborhood:**

Description: This project consists of storm sewer improvements in the vicinity of Braes Boulevard and Academy Street including CDP outfalls D0134, D0139, D0140, D0141, D0141, D0142, D0143, D0144, D0145, D0146, D0851, D1353 and adjacent areas. Formerly M-1003. Phase I is Braes Blvd. storm sewer and Phase II is Academy Street storm sewer.

Justification: Relief storm sewer to reduce localized flooding. To be done in conjunction with N-0383 Braeswood Place Subdivision street reconstruction.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design							
Construction	6,660						6,660
Equipment							
Civic Art							
Other							
Total Allocations	6,660						6,660
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	6,660						6,660
Total Funds	6,660						6,660

Project:	Texas Medical Center Drainage Improvements	**Council District**		**CIP No.: M-000260 (PROPOSED)**
		Location: C/D	**Served:** C/D	
		Geographic Ref.:	**Key Map:** VAR	**Neighborhood:**

Description: This FEMA funded project includes: inlet and inlet leads, Hermann Drive I, Hermann Drive II, MacGregor Drive Outfall, and a detention pond. FY2006 funding is for detention pond. FY2007 funding is for inlets and inlet leads.

Justification: Projects are needed to alleviate localized flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design							
Construction	705						705
Equipment							
Civic Art							
Other							
Total Allocations	705						705
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	705						705
Total Funds	705						705

Project:	Buffalo Bayou Detention and Erosion Reduction Projects	**Council District**			**CIP No.: M-000261 (PROPOSED)**
		Location:	G	**Served:** G	
		Geographic Ref.:		**Key Map:** 489,491	**Neighborhood:**

Description: This project is to address watershed-wide stormwater quantity and quality. It includes detention for mitigation of storm sewer drainage projects and projects to address bank erosion, including a demonstration project to stabilize a short reach of Buffalo Bayou.

Justification: Detention is for mitigation of the increased peak resulting from various storm drainage projects planned for the area. Erosion reduction projects will support implementation of bacteria reduction measures required under TCEQ Total Maximum Daily Load (TMDL) for Buffalo and White Oak Bayous.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design		350					350
Construction		2,000	5,700				7,700
Equipment							
Civic Art							
Other							
Total Allocations		2,350	5,700				8,050
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund							
Fund 4505 - Storm Sewer Cons. Const. Fund		2,350	5,700				8,050
Total Funds		2,350	5,700				8,050

Project:	Whiteheather St. (Fuqua, Buffalo Speedway to Hiram Clark) Drainage Improvements	**Council District**		**CIP No.: M-000262 (PROPOSED)**
		Location: D	**Served:** D	
		Geographic Ref.:	**Key Map:** 572JN	**Neighborhood:**

Description: Project will be done in four phases providing drainage improvements to Dumbarton Oaks and South Glen Neighborhoods including CDP outfalls C0076, C0078, C0079, C0526, C0528, C0540, C0545, C0550, C0551, C0556, C1220 and adjacent areas. Project includes four phases: Construction of Phase II in FY2009, Phase III in FY2010 and Phase IV in FY2011.

Justification: Relief storm drainage system necessary to alleviate conditions that cause localized flooding problems throughout the area due to insufficient conveyance capacity.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design	804						804
Construction	5,863	9,850	8,600				24,313
Equipment							
Civic Art							
Other							
Total Allocations	6,667	9,850	8,600				25,117
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	6,667						6,667
Fund 4505 - Storm Sewer Cons. Const. Fund		9,400	8,600				18,000
Fund 8500 - Water & Sewer Cons. Const. Fund		450					450
Texas Dept. of Transportation							
Total Funds	6,667	9,850	8,600				25,117

Project:	Sherwood Forest Drainage Improvements	**Council District**		**CIP No.: M-000263 (PROPOSED)**
		Location: G	**Served:** G	
		Geographic Ref.:	**Key Map:** 491B,C, F,G	**Neighborhood:**

Description: Drainage improvements to serve an area bound by IH-10 on the north, Memorial Dr on the south, Antoine on the west, and Silber on the east. CDP outfall W0434, W0507, and adjacent areas. Buffalo Bayou watershed.

Justification: Relief storm sewer necessary to alleviate hydraulic conditions that cause localized flooding problems throughout the area due to insufficient pipe capacity.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	Estimated 2010	Fiscal Year Planned Appropriations 2011	2012	2013	2014	2015	Project Total
Acquisition							
Design	400						400
Construction				8,500			8,500
Equipment							
Civic Art							
Other							
Total Allocations	400			8,500			8,900
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	400						400
Fund 4505 - Storm Sewer Cons. Const. Fund				8,500			8,500
Total Funds	400			8,500			8,900

Project:	Rampart St. (Glenmont to Beechnut) Drainage Improvements	**Council District**			**CIP No.: M-000265 (PROPOSED)**
		Location:	C,F	**Served:** C,F	
		Geographic Ref.:		**Key Map:** 531 A-T	**Neighborhood:**

Description: Drainage improvements along Rampart to serve the Westmoreland Farms area. Project area bound by Glenmont on the north, Beechnut on the south, Hillcroft on the west, and Chimney Rock on the east. CDP outfall D0326. Sims Bayou watershed. Project will be constructed in two phases. Phase 1 is storm sewer along Rampart from Beechnut to Jessamine. Phase 2 is storm sewer along Rampart from Jessamine to Glenmont.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project areas have multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition		600					600
Design		600		600			1,200
Construction				9,700		8,500	18,200
Equipment							
Civic Art							
Other							
Total Allocations		1,200		10,300		8,500	20,000
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund							
Fund 4505 - Storm Sewer Cons. Const. Fund		1,200		10,300		8,500	20,000
Total Funds		1,200		10,300		8,500	20,000

Project:	Shepherd Dr (Buffalo Bayou to Westheimer) Drainage Improvements	**Council District**		**CIP No.: M-000267 (PROPOSED)**
		Location: C,D,G	**Served:** C,D,G	
		Geographic Ref.:	**Key Map:** 492LMQ RUV	**Neighborhood:**

Description: Drainage improvements to serve an area adjacent to Shepherd from Westheimer to Buffalo Bayou and east along Haddon to Common Wealth. Project area approximately bound by Buffalo Bayou on the north, Westheimer on the south, Kirby on the west, and McDuffie on the east. CDP Outfall W0679 and adjacent areas.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design							
Construction			6,100				6,100
Equipment							
Civic Art							
Other							
Total Allocations			6,100				6,100
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund							
Fund 4505 - Storm Sewer Cons. Const. Fund			6,100				6,100
Total Funds			6,100				6,100

Project:	Meyerland Sec. 7 Area Drainage Improvements	**Council District**			**CIP No.:**
		Location:	C	**Served:** C	**M-000271 (PROPOSED)**
		Geographic Ref.:		**Key Map:** 531U	**Neighborhood:**

Description: Drainage improvements to serve an area bound by Loop 610 on the east, Millbury on the west, Braeswood on the north, and Bellfort on the south. CDP outfall D0192 and adjacent areas. Brays Bayou watershed.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition		400					400
Design		600					600
Construction				1,900			1,900
Equipment							
Civic Art							
Other							
Total Allocations		1,000		1,900			2,900
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund		1,000		1,900			2,900
Total Funds		1,000		1,900			2,900

Project:	Crestmont Park and South Acres Drainage Improvements	**Council District**		**CIP No.: M-000272 (PROPOSED)**
		Location: D,E	**Served:** D,E	
		Geographic Ref.:	**Key Map:** 574E,J	**Neighborhood:**

Description: Drainage improvements along MLK to serve the Crestmont Park area. Project area bound by Airport on the north, South Park Village on the south, 8th on the east, and Ditch #24 (HCFCD C124-00-00) on the west. CDP outfall C1147, C0052, and adjacent areas. Sims Bayou watershed.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design							
Construction	6,300						6,300
Equipment							
Civic Art							
Other							
Total Allocations	6,300						6,300
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	6,300						6,300
Total Funds	6,300						6,300

Project:	Glenbrook Valley Drainage Improvements	**Council District**		**CIP No.: M-000273 (PROPOSED)**
		Location: I	**Served:** I	
		Geographic Ref.:	**Key Map:** 535P,T	**Neighborhood:**

Description: Drainage improvements to serve an area bound by Sims Bayou on the north, Bellfort on the south, HCFCD C165-00-00 on the east, and Glen Valley on the west. CDP outfall C0016 and adjacent areas. Project includes construction of drainage swale to alleviate flooding on Glen Dell and Santa Elena.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project areas have multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition	135						135
Design							
Construction							
Equipment							
Civic Art							
Other							
Total Allocations	135						135
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	135						135
Total Funds	135						135

Project:	Astoria Blvd. (Flushing Meadows to Binghampton) Drainage Improvements	**Council District**		**CIP No.: M-000276 (PROPOSED)**
		Location: E	**Served:** E	
		Geographic Ref.:	**Key Map:** 616DH-617A	**Neighborhood:**

Description: Drainage improvements along Astoria to serve the Scarsdale area. Project area bound by Sand Hook on the north, Adirondack on the south, Turkey Creek on the east, and Binghampton on the west. CDP outfall A0034 and adjacent areas. Clear Creek watershed.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design		200					200
Construction		3,200					3,200
Equipment							
Civic Art							
Other							
Total Allocations		3,400					3,400
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund							
Fund 4505 - Storm Sewer Cons. Const. Fund		3,400					3,400
Total Funds		3,400					3,400

Project:	South Park and Southcrest Drainage Improvements	**Council District**		**CIP No.: M-000277 (PROPOSED)**
		Location: D,E	**Served:** E	
		Geographic Ref.:	**Key Map:** 533RV;534	**Neighborhood:**

Description: Drainage improvements to serve an area bound by Loop 610 on the north, Doolittle on the south and west, and Mykawa on the east. CDP outfall D0898 and adjacent areas. Brays Bayou watershed. Project will be constructed in three phases. Scope of each phase to be determined by engineering study.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design		600	700		700		2,000
Construction				6,400	5,800		12,200
Equipment							
Civic Art							
Other							
Total Allocations		600	700	6,400	6,500		14,200
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund		600	700	6,400	6,500		14,200
Total Funds		600	700	6,400	6,500		14,200

Project:	Millbury Dr. (Braeswood to Bellfort) Drainage Improvements	**Council District**		**CIP No.:**
		Location: C	**Served:** C	**M-000279 (PROPOSED)**
		Geographic Ref.:	**Key Map:** 531U	**Neighborhood:**

Description: Drainage improvements along Millbury to serve the Meyerland Sec. 7 and 8 areas. Project area bound by Brays Bayou on the north and Bellfort on the south. CDP outfall D0212 and adjacent areas.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design				600			600
Construction						5,700	5,700
Equipment							
Civic Art							
Other							
Total Allocations				600		5,700	6,300
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund				600		5,700	6,300
Total Funds				600		5,700	6,300

Project:	Brays Village Drainage Improvements	**Council District**			**CIP No.: M-000280 (PROPOSED)**
		Location: F	**Served:** F		
		Geographic Ref.:	**Key Map:** 529B,F		**Neighborhood:**

Description: Drainage improvements along Boone and certain side streets to serve the Brays Village area. Project area bound by Harwin on the north, Brays Bayou on the south, Wildacres on the west, and Dairy Property on the east. CDP outfall 0687 and adjacent areas.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design							
Construction		9,260					9,260
Equipment							
Civic Art							
Other							
Total Allocations		9,260					9,260
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund							
Fund 4505 - Storm Sewer Cons. Const. Fund		8,700					8,700
Fund 8500 - Water & Sewer Cons. Const. Fund		560					560
Total Funds		9,260					9,260

Project:	Braesmont Dr (Braeswood to Lymbar) and S Rice Ave (Braeswood to Contour Place) Drainage Improvements	**Council District**			**CIP No.: M-000281 (PROPOSED)**
		Location:	C	**Served:** C	
		Geographic Ref.:		**Key Map:** 530 T,U,X	**Neighborhood:**

Description: Braesmont drainage improvements to serve the Marilyn Estates area. Project area bound by Atwell on the west, Chimney Rock on the east, Brays Bayou on the north, and Lymbar on the south. CDP outfall D0320.

Justification: S Rice drainage improvements to serve the Meyerland Sec. 8 area. Project area along S Rice bound by Brays Bayou on the north and Contour Place on the south. CDP outfall D0216.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design		600					600
Construction				2,800			2,800
Equipment							
Civic Art							
Other							
Total Allocations		600		2,800			3,400
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund		600		2,800			3,400
Total Funds		600		2,800			3,400

Project:	Bellaire West Drainage Improvements	**Council District**		**CIP No.:** M-000283 (PROPOSED)
		Location: F	**Served:** F	
		Geographic Ref.:	**Key Map:** 529 J	**Neighborhood:**

Description: Drainage improvements to serve an area bound by Kirkwood on the east, Riptide on the west, HCFCD D122-00-00 on the south, and Stroud on the north. Brays Bayou watershed. CDP outfall D0736 and adjacent areas. Project includes construction of drainage swale along Cook Rd to intercept overland sheetflow from the Crown Colony area.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition	1,500						1,500
Design		100					100
Construction	6	7,200					7,206
Equipment							
Civic Art							
Other							
Total Allocations	1,506	7,300					8,806
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	1,506						1,506
Fund 4505 - Storm Sewer Cons. Const. Fund		6,800					6,800
Fund 8500 - Water & Sewer Cons. Const. Fund		500					500
Total Funds	1,506	7,300					8,806

Project:	Airline Dr (Canino to Tidwell) Drainage Improvements	**Council District**		**CIP No.: M-000284 (PROPOSED)**
		Location: H	**Served:** H	
		Geographic Ref.:	**Key Map:** 413, 453	**Neighborhood:**

Description: Drainage improvements to serve an area adjacent to Airline from Canino to Tidwell. Project area is approximately 1,275-acres and is bound by Nordling on the west, McGallion on the east, Canino on the north, and Tidwell on the south. CDP outfall E0369. White Oak Bayou watershed. Project to be constructed in two phases. Phase 1 to include Fulton and Tidwell storm systems. Phase 2 to include Airline, Parker, and Clark storm systems.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design	1,409						1,409
Construction		8,500			13,500		22,000
Equipment							
Civic Art							
Other							
Total Allocations	1,409	8,500			13,500		23,409
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	1,409						1,409
Fund 4505 - Storm Sewer Cons. Const. Fund					13,500		13,500
Fund 5000 - Community Development Blk Grant		8,500					8,500
Total Funds	1,409	8,500			13,500		23,409

Project:	Garden Oaks and Shepherd Forest Drainage Improvements	**Council District**		**CIP No.: M-000285 (PROPOSED)**
		Location: A,H	**Served:** A,H	
		Geographic Ref.:	**Key Map:** 452F,G, K,L	**Neighborhood:**

Description: Drainage improvements to serve the area bound by Candlelight on the north, Loop 610 on the south, Ella on the west, and Shepherd on the east. CDP outfall E0247, E0159, and adjacent areas. Project to be constructed in six phases. Scope of each phase to be determined by engineering study.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design		600					600
Construction					6,100		6,100
Equipment							
Civic Art							
Other							
Total Allocations		600			6,100		6,700
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund		600			6,100		6,700
Total Funds		600			6,100		6,700

Project:	Pleasantville and Glendale Drainage Improvements	**Council District**		**CIP No.: M-000286 (PROPOSED)**
		Location: B	**Served:** B	
		Geographic Ref.:	**Key Map:** 495F,K,L,P	**Neighborhood:**

Description: Drainage improvements to serve the area bound by Market on the north, Guinevere on the south, Loop 610 on the east, and Demaree on the west. CDP outfall H0072 and adjacent areas. Project to be constructed in two phases. Scope of each phase to be determined by engineering study.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design		750	750				1,500
Construction					5,200		5,200
Equipment							
Civic Art							
Other							
Total Allocations		750	750		5,200		6,700
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund		750	750		5,200		6,700
Total Funds		750	750		5,200		6,700

Project:	Wirt Rd (Kempwood to IH-10) Drainage Improvements	**Council District**		**CIP No.: M-000287 (PROPOSED)**
		Location: A,H	**Served:** A,H	
		Geographic Ref.:	**Key Map:** 451M-X491B	**Neighborhood:**

Description: Drainage improvements to serve the area bound by Hempstead Hwy on the north, IH-10 on the south, Ridgemore on the west, and Thonig / Whispering Pines on the east. CDP outfall W0404 and adjacent areas. Buffalo Bayou watershed and north area of project being White Oak Bayou watershed.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design			600		700		1,300
Construction					6,700		6,700
Equipment							
Civic Art							
Other							
Total Allocations			600		7,400		8,000
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund			600		7,400		8,000
Total Funds			600		7,400		8,000

Project:	Easthaven Blvd (Bryant to Ledge) Drainage Improvements	**Council District**		**CIP No.: M-000288 (PROPOSED)**
		Location: I	**Served:** I	
		Geographic Ref.:	**Key Map:** 575H-567J	**Neighborhood:**

Description: Drainage improvements to serve the Easthaven area bound by Bryant on the north, Ledge on the south, Vesper on the west, and IH-45 on the east. CDP outfall C1054 and adjacent areas. Sims Bayou watershed.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design		800					800
Construction				5,100			5,100
Equipment							
Civic Art							
Other							
Total Allocations		800		5,100			5,900
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund		800		5,100			5,900
Total Funds		800		5,100			5,900

Project:	Minnetex Place and Almeda Genoa Place Drainage Improvements	**Council District**		**CIP No.: M-000289 (PROPOSED)**
		Location: D	**Served:** D	
		Geographic Ref.:	**Key Map:** 573, 574	**Neighborhood:**

Description: Drainage improvements to serve area along Cullen from Kilkenny on the north to Schurmier on the south. CDP outfall C1147and adjacent areas. Project to be constructed in three phases. Scope of each phase to be determined by engineering study. Clear Creek watershed.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design				600			600
Construction						5,000	5,000
Equipment							
Civic Art							
Other							
Total Allocations				600		5,000	5,600
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund				600		5,000	5,600
Total Funds				600		5,000	5,600

Project:	Montrose Area and Midtown Drainage Improvements	**Council District**		**CIP No.: M-000290 (PROPOSED)**
		Location: C,D,I	**Served:** C,D,I	
		Geographic Ref.:	**Key Map:** 493K-X	**Neighborhood:**

Description: Drainage improvements to serve an area bound by Buffalo Bayou on the north, US-59 on the south, Caroline on the east, and Montrose on the west. CDP outfall W0686 and adjacent areas. Project to be constructed in six phases. Scope of each phase to be determined by engineering study.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design		1,100		1,100			2,200
Construction				7,200		5,500	12,700
Equipment							
Civic Art							
Other							
Total Allocations		1,100		8,300		5,500	14,900
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund		1,100		8,300		5,500	14,900
Total Funds		1,100		8,300		5,500	14,900

Project:	Sageorchard and Sagearbor Drainage Improvements	**Council District**		**CIP No.: M-000291 (PROPOSED)**
		Location: E	**Served:**	
		Geographic Ref.:	**Key Map:** 576A,616B	**Neighborhood:**

Description: This project is to construct improved storm sewer systems to serve the Freeway Manor and Sagemont area in the Sims Bayou and Clear Creek Bayou watersheds including CDP Outfalls C0250, A0061 and A0130 and adjacent areas.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design		600					600
Construction					2,100		2,100
Equipment							
Civic Art							
Other							
Total Allocations		600			2,100		2,700
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund		600			2,100		2,700
Total Funds		600			2,100		2,700

Project:	Binglewood and Inwood Forest Drainage Improvements	**Council District**		**CIP No.: M-000293 (PROPOSED)**
		Location: A	**Served:** A	
		Geographic Ref.:	**Key Map:** 411	**Neighborhood:**

Description: Project consists of drainage improvements for three separate areas. CDP outfall E0758 (Binglewood), E0119, and E0918 (Inwood Forest). White Oak Bayou watershed.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design			600				600
Construction						2,500	2,500
Equipment							
Civic Art							
Other							
Total Allocations			600			2,500	3,100
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund			600			2,500	3,100
Total Funds			600			2,500	3,100

Project:	Cullen from IH-610 to Old Spanish Trail Drainage Improvements	**Council District**			**CIP No.: M-000294 (PROPOSED)**
		Location:	D	**Served:** D	
		Geographic Ref.:		**Key Map:** 533	**Neighborhood:**

Description: This project is to construct an improved storm sewer system to serve the Bellmont area in the Brays Bayou watershed including CDP Outfall D0888 and surrounding areas

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design			600				600
Construction					3,000		3,000
Equipment							
Civic Art							
Other							
Total Allocations			600		3,000		3,600
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund			600		3,000		3,600
Total Funds			600		3,000		3,600

Project:	Scott Street from IH-610 to Old Spanish Trail Drainage Improvements	**Council District**		**CIP No.: M-000295 (PROPOSED)**
		Location: D	**Served:** D	
		Geographic Ref.:	**Key Map:** 533	**Neighborhood:**

Description: Construct and improve storm sewer system to serve the South End and Sunnyside areas in the Brays Bayou watershed including CDP Outfall D0068 and surrounding areas.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design				600		3,000	3,600
Construction							
Equipment							
Civic Art							
Other							
Total Allocations				600		3,000	3,600
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund				600		3,000	3,600
Total Funds				600		3,000	3,600

Project:	Regional/Subregional Stormwater Detention	**Council District**		**CIP No.:**
		Location: VAR	**Served:** VAR	**M-000296 (PROPOSED)**
		Geographic Ref.:	**Key Map:** VAR	**Neighborhood:**

Description: This project provides for analyzing the feasibility of providing regional or subregional detention for mitigation of impacts due to City of Houston projects, existing infrastructure limited areas, and potential development. Preliminary planning for regional detention projects for Halls, Little White Oak, and White Oak Bayous.

Justification: The City constructs many projects that require determination and mitigation of impacts. Designing and contracting on a regional or subregional basis for multiple projects would reduce up-front and long term maintenance costs at multiple sites.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition	8,000	2,500	2,500				13,000
Design	504	2,000	1,000				3,504
Construction	6,000		10,000	6,000	3,000	5,000	30,000
Equipment							
Civic Art							
Other							
Total Allocations	14,504	4,500	13,500	6,000	3,000	5,000	46,504
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	8,504						8,504
Fund 4505 - Storm Sewer Cons. Const. Fund		4,500	13,500	6,000	3,000	5,000	32,000
Fund 5000 - Community Development Blk Grant	6,000						6,000
Total Funds	14,504	4,500	13,500	6,000	3,000	5,000	46,504

Project:	Stormwater Quality Demonstration Projects	**Council District**		**CIP No.:**
		Location: Var	**Served:** Var	**M-000297 (PROPOSED)**
		Geographic Ref.:	**Key Map:**	**Neighborhood:**

Description: Implementation of stormwater quality demonstration projects through partnerships with the Texas Commission on Environmental Quality (TCEQ), Environmental Protection Agency and other non-profit organizations. Two grants awarded with 40% local share.

Justification: Implementation of pilot projects using leveraged partnerships to develop local data for future efforts under the Municipal Separate Storm Sewer System (MS4) Permit and Total Maximum Daily Load (TMDL) limitations.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design	200						200
Construction		1,600					1,600
Equipment							
Civic Art							
Other							
Total Allocations	200	1,600					1,800
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund	200						200
Fund 4505 - Storm Sewer Cons. Const. Fund		1,600					1,600
Total Funds	200	1,600					1,800

Project:	South Shaver: Gulf Freeway to Highway 3	**Council District**		**CIP No.: M-000582 (PROPOSED)**
		Location: E	**Served:** E	
		Geographic Ref.:	**Key Map:** 576K,L,P	**Neighborhood:**

Description: Project consists of constructing drainage and detention facilities for Shaver Road at Berry Bayou to facilitate construction of the South Shaver paving project. TxDOT will manage construction.

Justification: Project is necessary to alleviate localized flooding and will be constructed with the South Shaver road paving project N-0582.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design							
Construction			1,300				1,300
Equipment							
Civic Art							
Other							
Total Allocations			1,300				1,300
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund			1,300				1,300
Total Funds			1,300				1,300

Project:	Tanner Road: Hempstead to Beltway 8	**Council District**			**CIP No.: M-000589 (PROPOSED)**
		Location:	A	**Served:** A	
		Geographic Ref.:	4961	**Key Map:** 410X,450B	**Neighborhood:**

Description: Project consists of constructing a 72 inch diameter storm sewer system to serve a drainage area required for the construction of Tanner Road. TxDOT will manage construction.

Justification: Project is needed to alleviate localized flooding and will be constructed with the Tanner Road paving project N-0589.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design							
Construction						2,100	2,100
Equipment							
Civic Art							
Other							
Total Allocations						2,100	2,100
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund						2,100	2,100
Total Funds						2,100	2,100

Project:	Brittmoore: Hammerly to Clay Detention Basin	**Council District**			**CIP No.: M-000597 (PROPOSED)**
		Location:	A	**Served:** A	
		Geographic Ref.:	4959-0216	**Key Map:** 449LQ	**Neighborhood:**

Description: Project includes an off site detention basin to facilitate the construction of the Brittmoore: Hammerly to Clay paving improvements. TxDOT will manage construction.

Justification: Project necessary to alleviate conditions that cause localized flooding of streets. Project will be done with Brittmoore paving project N-0597.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design							
Construction					2,000		2,000
Equipment							
Civic Art							
Other							
Total Allocations					2,000		2,000
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund					2,000		2,000
Total Funds					2,000		2,000

Project:	Kirby Drive Storm Sewer Improvements: Southwest Freeway to Brays Bayou	**Council District**		**CIP No.: M-000771 (PROPOSED)**
		Location: C	**Served:** ALL	
		Geographic Ref.:	**Key Map:** 532CG;492Y	**Neighborhood:**

Description: This Project includes four phases: I. Brays Bayou to Dorrington, II. Dorrington to Swift, III. Swift to Robinhood, and IV. Robinhood to US59.

Justification: Project is needed to alleviate localized flooding. The Kirby Drive Bridge over Brays Bayou will be constructed with project N-0771.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design							
Construction		200					200
Equipment							
Civic Art							
Other							
Total Allocations		200					200
Source of Funds							
FEMA							
Fund 4030 - Ser-F Storm Sewer Const. Fund							
Fund 4505 - Storm Sewer Cons. Const. Fund		200					200
Total Funds		200					200

Project:	Developer Participation	**Council District**		**CIP No.: M-000800 (PROPOSED)**
		Location: VAR	**Served:** VAR	
		Geographic Ref.:	**Key Map:** VAR	**Neighborhood:**

Description: This project provides for the City's share of the cost of participation in joint property for storm water drainage system improvements sponsored by property owners and developers.

Justification: This allows additional drainage systems to be constructed using sponsors' funds to match City funding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	Estimated 2010	Fiscal Year Planned Appropriations 2011	2012	2013	2014	2015	Project Total
Acquisition							
Design							
Construction		500	1,000	1,500	1,500	1,500	6,000
Equipment							
Civic Art							
Other							
Total Allocations		500	1,000	1,500	1,500	1,500	6,000
Source of Funds							
Fund 4030 - Ser-F Storm Sewer Const. Fund							
Fund 4505 - Storm Sewer Cons. Const. Fund		500	1,000	1,500	1,500	1,500	6,000
Total Funds		500	1,000	1,500	1,500	1,500	6,000

Project:	Western Village, Sherwood Estates	**Council District**		**CIP No.:**
		Location: A	**Served:** A	**M-001010 (PROPOSED)**
		Geographic Ref.:	**Key Map:**	**Neighborhood:**

Description: This project is to construct improved storm sewer system in the Western Village and Sherwood Estates area bounded approximately by Metronome, Chatterton, Brittmoore, and Turkey Creek including CDP Outfall W1005 and adjacent areas.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design				600			600
Construction						5,000	5,000
Equipment							
Civic Art							
Other							
Total Allocations				600		5,000	5,600
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund				600		5,000	5,600
Total Funds				600		5,000	5,600

Project:	Willow Waterhole Area Relief Storm Sewer	**Council District**		**CIP No.: M-001013 (PROPOSED)**
		Location: C	**Served:** C	
		Geographic Ref.:	**Key Map:**	**Neighborhood:**

Description: This project is to construct improved storm sewer systems to serve the Willow Waterhole areas in the Brays Bayou watershed including CDP Outfalls D0155, D0241, D0388, D0864 and adjacent areas.

Justification: Drainage improvements include required piping, sheet flow modifications, or detention to reduce the risk of structural flooding during 100-year, 1% probability rainfall events. Project area has multiple reports of structural flooding.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design			600				600
Construction					3,200		3,200
Equipment							
Civic Art							
Other							
Total Allocations			600		3,200		3,800
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund			600		3,200		3,800
Total Funds			600		3,200		3,800

Project:	Contingencies	**Council District**			**CIP No.:**
		Location:	ALL	**Served:**	ALL	**M-NA**
		Geographic Ref.:	NA	**Key Map:**	NA	**(PROPOSED)**
					Neighborhood:

Description: This project provides for unforeseen needs for facility right-of-way, site, and easement acquisition; engineering and construction services; and legal services required in conjunction with various projects and activities.

Justification: Project is required to provide for unforeseen costs.

Operational and Maintenance Costs: ($ Thousands)

	2011	2012	2013	2014	2015
Personnel					
Supplies					
Svcs. & Chgs.					
Capital Outlay					
Property Mgmt.					
Total					
FTEs					

Project Allocation	**Estimated 2010**	**Fiscal Year Planned Appropriations**					**Project Total**
		2011	**2012**	**2013**	**2014**	**2015**	
Acquisition							
Design							
Construction		200					200
Equipment							
Civic Art							
Contingencies							
Total Allocations		200					200
Source of Funds							
Fund 4505 - Storm Sewer Cons. Const. Fund		200					200
Total Funds		200					200