

FLOOD CONTROL CONSTRUCTION FUND

FY 2013 carryover will be used to complete the storm drain in Camelback Road between 59th and 75th Avenues which is the last phase of the Bethany Home Outfall Channel project. Carryover funds are also available for the local draining problem and collector drain programs where needed. With the exception of the ongoing AZDES Permit Project, no new funding is included in the first five years of the CIP plan due to the continued decline in Glendale’s secondary assessed valuation. The AZDES Permit Project ensures that the city remains compliant with the requirements of a permit obtained under the Clean Water Act.



Project Name: Bethany Home Outfall Channel
Funding Source: G.O. Bond
Fund #: 2180
Project #: 79000



FY 2013-2022 CAPITAL IMPROVEMENT PLAN
Fund Summary and Project Detail

FUND SUMMARY: 2180-Flood Control Construction **Category: 20%**

	<u>FY 2013:</u>	<u>FY 2014:</u>	<u>FY 2015:</u>	<u>FY 2016:</u>	<u>FY 2017:</u>	<u>FYs 18-22:</u>
Estimated Beginning Balance:	\$6,617,554	\$4,005,214	\$3,845,966	\$3,686,650	\$3,527,265	\$3,367,812
Revenue						
Bond Proceeds^	0	0	0	0	0	30,865,000
Intergovernmental Revenue	0	0	0	0	0	7,500,000
Investment Income	2,670	1,973	1,892	1,812	1,732	4,530
Total Revenue:	2,670	1,973	1,892	1,812	1,732	38,369,530
Operating Expenses						
Advisor Fees	5,213	296	284	272	260	680
Total Operating Expenses:	5,213	296	284	272	260	680
Project Expenses						
	<u>Carryover</u>	<u>New Funding</u>				
Existing Assets						
<i>Improvement of Existing Assets</i>						
79004 Local Drainage Problems	717,185	0	0	0	0	5,293,992
79005 Collector Drains	560,008	0	0	0	0	0
79006 AZDES SD Permit	425,314	160,925	160,925	160,925	160,925	804,625
T2944 51st Ave. SD, Northern - Olive	0	0	0	0	0	2,668,340
Sub-Total - Existing Assets	1,702,507	160,925	160,925	160,925	160,925	8,766,957
New Assets						
79000 Bethany Home Outfall Channel	746,365	0	0	0	0	0
79001 Bethany Home SD, 58th - 51st	0	0	0	0	0	5,014,601
79007 Greenway SD, 59th - 67th	0	0	0	0	0	3,684,359
79013 Bethany Home SD, 79th-67th	0	0	0	0	0	10,608,840
T2910 Bethany Home SD, 67th-58th	0	0	0	0	0	8,221,654
T2940 Greenway SD, 51st-59th	0	0	0	0	0	3,684,074
T2945 *59th Ave & Thunderbird Rd SD	0	0	0	0	0	1,753,112
Sub-Total - New Assets	746,365	0	0	0	0	32,966,640
Total Project Expenses:	2,448,872	160,925	160,925	160,925	160,925	41,733,597
Total FY 2013 Funding:	2,609,797					
Estimated Ending Balance:	\$4,005,214	\$3,845,966	\$3,686,650	\$3,527,265	\$3,367,812	\$3,065

^Will require additional voter authorization in last 5 years of the plan.

* New Project

N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset

FY 2013-2022 CAPITAL IMPROVEMENT PLAN
Fund Summary and Project Detail



PROJECT DETAIL: 2180-Flood Control Construction **Category: 20%**

Project: 79004 - Local Drainage Problems (I) **Funding Source:** General Obligation Bonds

Project Description: Construct localized storm drain improvements to mitigate drainage and/or flooding problems. This is an ongoing program that typically addresses drainage problems in older neighborhoods, residential areas, and extends existing storm drain systems.

Capital Costs:	Carryover	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FYs 18-22
Design	\$6,258	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$502,460	\$0	\$0	\$0	\$0	\$0	\$5,099,284
Finance Charges	\$46,035	\$0	\$0	\$0	\$0	\$0	\$23,715
Engineering Charges	\$121,510	\$0	\$0	\$0	\$0	\$0	\$120,000
Arts	\$32,625	\$0	\$0	\$0	\$0	\$0	\$50,993
Miscellaneous/Other	\$8,297	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$717,185	\$0	\$0	\$0	\$0	\$0	\$5,293,992

Operating Description: Storm drain pipe requires little or no maintenance and in most cases will reduce existing maintenance because storm water does not pond in the street or other public facility.

Project: 79005 - Collector Drains (I) **Funding Source:** General Obligation Bonds

Project Description: Ongoing program to construct storm drain improvements on arterial and collector streets to mitigate drainage and flooding problems.

Capital Costs:	Carryover	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FYs 18-22
Design	\$560,008	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$560,008	\$0	\$0	\$0	\$0	\$0	\$0

Operating Description: Storm drain pipe requires little or no maintenance and in most cases will reduce existing maintenance because storm water does not pond in the street or other public facility.

Project: 79006 - AZDES SD Permit (I) **Funding Source:** General Obligation Bonds

Project Description: In 1999, the City of Glendale obtained a permit under the Clean Water Act for the National Pollutant Discharge Elimination System. The permit requires monitoring of storm water flows and preparation of annual reports. This funding will insure that the city can continue to meet the requirements of the permit and avoid fines up to \$25,000 per day.

Capital Costs:	Carryover	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FYs 18-22
Design	\$200,936	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$50,332	\$0	\$0	\$0	\$0	\$0	\$0
Finance Charges	\$9,842	\$3,925	\$3,925	\$3,925	\$3,925	\$3,925	\$19,625
Engineering Charges	\$8,304	\$0	\$0	\$0	\$0	\$0	\$0
Miscellaneous/Other	\$155,900	\$157,000	\$157,000	\$157,000	\$157,000	\$157,000	\$785,000
TOTAL	\$425,314	\$160,925	\$160,925	\$160,925	\$160,925	\$160,925	\$804,625

Operating Description: O and M of storm water monitoring will be done by the United States Geological Survey agency through an IGA.

* New Project
 N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset



PROJECT DETAIL: 2180-Flood Control Construction **Category: 20%**

Project: T2944 - 51st Ave. SD, Northern - Olive (I) **Funding Source:** General Obligation Bonds

Project Description: Project will construct a 42" storm drain pipe, inlets, and other appurtenances in 51st Avenue between Northern Avenue and Olive Avenue. Additionally the Northern Avenue storm drain will be extended from 47th Avenue to 43rd Avenue.

Capital Costs:	Carryover	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FYs 18-22
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$130,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$2,200,000
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$41,340
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$55,000
Arts	\$0	\$0	\$0	\$0	\$0	\$0	\$22,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$220,000
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$2,668,340

Operating Description: The storm drain will not require O and M.

Project: 79000 - Bethany Home Outfall Channel (N) **Funding Source:** General Obligation Bonds

Project Description: This is the last phase of the Bethany Home Outfall Channel Project with the Flood Control District of Maricopa County. The portions of the outfall channel between the Loop 101 and 83rd Avenue are complete and the storm drain piping between 83rd and 75th Avenues along the Grand Canal are also complete. This phase will complete the storm drain in Camelback Road from 75th to 59th Avenues.

Capital Costs:	Carryover	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FYs 18-22
Design	\$1,138	\$0	\$0	\$0	\$0	\$0	\$0
Finance Charges	\$211,962	\$0	\$0	\$0	\$0	\$0	\$0
Engineering Charges	\$495,204	\$0	\$0	\$0	\$0	\$0	\$0
Miscellaneous/Other	\$38,061	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$746,365	\$0	\$0	\$0	\$0	\$0	\$0

Operating Description: Storm drain pipe requires little or no maintenance and in most cases will reduce existing maintenance because storm water does not pond in the street or other public facility. The outfall channel will be maintained by the flood control district.

* New Project
 N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset

FY 2013-2022 CAPITAL IMPROVEMENT PLAN
Fund Summary and Project Detail



PROJECT DETAIL: 2180-Flood Control Construction **Category: 20%**

Project: 79001 - Bethany Home SD, 58th - 51st (N) **Funding Source:** General Obligation Bonds

Project Description: Construct a storm drain along Bethany Home Road between 51st and 58th Avenues including mainline pipe, catch basins and appurtenances. The need for this project was identified in the Maryvale Area Drainage Management Plan that the County Flood District developed.

Capital Costs:	Carryover	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FYs 18-22
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000,000
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$112,551
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$79,550
Arts	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000
Miscellaneous/Other	\$0	\$0	\$0	\$0	\$0	\$0	\$82,500
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$5,014,601

Operating Description: O and M will not occur until project is actually constructed in the future. Storm drain pipe requires little or no maintenance and in most cases will reduce existing maintenance because storm water does not pond in the street or other public facility.

Project: 79007 - Greenway SD, 59th - 67th (N) **Funding Source:** General Obligation Bonds

Project Description: Construct a storm drain at Greenway Road from 59th to 67th Avenues. Project includes catch basins and appurtenances. This project will intercept storm water flows east of 67th Avenue.

Capital Costs:	Carryover	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FYs 18-22
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$2,640,000
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$89,869
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$58,090
Arts	\$0	\$0	\$0	\$0	\$0	\$0	\$26,400
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$370,000
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$3,684,359

Operating Description: No additional O and M is needed.

* New Project
 N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset



PROJECT DETAIL: 2180-Flood Control Construction **Category: 20%**

Project: 79013 - Bethany Home SD, 79th-67th (N) **Funding Source:** General Obligation Bonds

Project Description: Construct storm drain pipe, inlets, and other appurtenances in Bethany Home Road from 79th Avenue to 67th Avenue.

Capital Costs:	Carryover	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FYs 18-22
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$600,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000,000
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$40,500
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$92,500
Arts	\$0	\$0	\$0	\$0	\$0	\$0	\$90,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$785,840
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$10,608,840

Operating Description: Storm drain pipe requires little or no maintenance and in most cases will reduce existing maintenance because storm water does not pond in the street or other public facility.

Project: T2910 - Bethany Home SD, 67th-58th (N) **Funding Source:** General Obligation Bonds

Project Description: Construct a storm drain in Bethany Home Road from 67th to 58th Avenues. Construction costs are to be shared with Maricopa County Flood Control District (50%) per an existing intergovernmental agreement. The project will include storm drain pipe, catch basins, and appurtenances.

Capital Costs:	Carryover	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FYs 18-22
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$1,200,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000,000
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$161,209
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$92,500
Arts	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$597,070
Miscellaneous/Other	\$0	\$0	\$0	\$0	\$0	\$0	\$110,875
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$8,221,654

Operating Description: Storm drain pipe requires little or no maintenance and in most cases will reduce existing maintenance because storm water does not pond in the street or other public facility.

* New Project
N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset



PROJECT DETAIL: 2180-Flood Control Construction **Category: 20%**

Project: T2940 - Greenway SD, 51st-59th (N) **Funding Source:** General Obligation Bonds

Project Description: Construct a storm drain in Greenway Road between 51st and 59th Avenues to include mainline piping, catch basins, and appurtenances.

Capital Costs:	Carryover	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FYs 18-22
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$2,630,000
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$89,869
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$57,905
Arts	\$0	\$0	\$0	\$0	\$0	\$0	\$26,300
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$380,000
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$3,684,074

Operating Description: Storm drain pipe requires little or no maintenance and in most cases will reduce existing maintenance because storm water does not pond in the street or other public facility.

Project: T2945* - 59th Ave & Thunderbird Rd SD (N) **Funding Source:** General Obligation Bonds

Project Description: Project will construct a storm drain in 59th Avenue between the Thunderbird Road intersection and the Arizona Canal Drainage Channel.

Capital Costs:	Carryover	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FYs 18-22
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
Design	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$1,450,000
Finance Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$25,612
Engineering Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$43,000
Arts	\$0	\$0	\$0	\$0	\$0	\$0	\$14,500
Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$1,753,112

Operating Description: No additional O and M is required for this project.

* New Project
 N=New Asset, R=Replacement of Existing Asset, I=Improvement of Existing Asset