



# Flood Control (Drainage) CIP

January 21, 2020





# Overview

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- Overview of Draft Flood Control Capital Improvement Plan (CIP)
  - Projects and timeline have been submitted as part of the development of the FY21-30 CIP Program
  - Council will review requests during the FY21 budget process
- Review General Obligation (G.O.) Bond Funded Projects
- Committee Discussion and Questions



# Flood Control (Drainage) CIP by Project

Project #	Project Title	FY21	FY22	FY23	FY24	FY25	FY26-30	Grand Total
CIPDR19039	BETHANY HOME SD, 58th to 79th	\$830,400	\$6,118,800	\$5,654,000		\$0	\$0	\$12,603,200
CIPDR19040	CAMELBACK ROAD, 51st to 58th	\$0	\$3,104,290	\$0	\$0	\$0	\$0	\$3,104,290
CIPDR19078	83RD AVE, BETHANY HM to CAMELBACK	\$0	\$0	\$0	\$0	\$259,500	\$2,870,000	\$3,129,500
CIPDR19079	59th AVE & THUNDERBIRD RD SD	\$0	\$0	\$0	\$0	\$0	\$1,963,345	\$1,963,345
CIPDR21019	GLENN DRIVE DRAINAGE IMPROVEMENTS 59 <sup>TH</sup> TO 52 <sup>ND</sup> AVE		\$50,000	\$570,900	\$4,873,200			\$5,494,100
CIPDR79004	LOCAL DRAINAGE PROBLEMS	\$240,740	\$240,740	\$240,740	\$240,740	\$240,740	\$1,203,700	\$2,407,400
<b>Grand Total</b>		<b>\$1,071,140</b>	<b>\$9,513,830</b>	<b>\$6,465,400</b>	<b>\$5,113,940</b>	<b>\$500,240</b>	<b>\$6,037,045</b>	<b>\$28,701,835</b>



# Flood Control (Drainage) CIP by Funding Source

Funding Source	FY21	FY22	FY23	FY24	FY25	FY26-30	Grand Total
4110-Flood Control Construction	\$1,071,140	\$9,513,830	\$6,465,400	\$5,113,940	\$500,240	\$6,037,045	\$28,701,835
<b>Grand Total</b>	<b>\$1,071,140</b>	<b>\$9,513,830</b>	<b>\$6,465,400</b>	<b>\$5,113,940</b>	<b>\$500,240</b>	<b>\$6,037,045</b>	<b>\$28,701,835</b>



## Flood Control (Drainage) Capital Projects

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- Bethany Home Road Storm Drain, 58<sup>th</sup> to 79<sup>th</sup> Ave
- Camelback Road, 51<sup>st</sup> to 58<sup>th</sup> Ave
- 83<sup>rd</sup> Ave, Bethany Home Road to Camelback Road
- 59<sup>th</sup> Ave & Thunderbird Road Storm Drain
- Glenn Drive Drainage Improvements, 59<sup>th</sup> to 52<sup>nd</sup> Avenue
- Local Drainage Problems



# Bethany Home Road Storm Drain 58<sup>th</sup> to 79<sup>th</sup> Avenue

**Project Number: CIPDR19039**

## **Project Description**

Design and construction of storm drain pipe, inlets, catch basins and other appurtenances in Bethany Home Road from 79th Avenue to 51st Avenue. The design and construction costs of storm drain are to be shared with Maricopa County Flood Control District (50%). Total estimated project cost is \$21.7M. The funds in this project only reflect the city's portion. The project description and title have been corrected to note 51-79, was 58-79 approved in the FY19 CIP submission. Amounts are unchanged.

## **Justification**

An IGA has been approved in 2001 by the County Flood Control District and the City of Glendale.

Category	Funding Source	FY21	FY22	FY23	FY24	FY25	FY26-30	Grand Total
CONSTRUCT	4110-Flood Control Construction	\$830,400	\$6,118,800	\$5,654,000	\$0	\$0	\$0	\$12,603,200
<b>Grand Total</b>		<b>\$830,400</b>	<b>\$6,118,800</b>	<b>\$5,654,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,603,200</b>



# Camelback Road, 51st to 58th Avenue

**Project Number: CIPDR19040**

## **Project Description**

Installation of storm drain Camelback Road from 51st to 58th Avenues.

## **Justification**

This project is identified in the Stormwater Management Plan (SMP) completed and presented to the city and Flood Control District of Maricopa County in July 2011. Amounts and description are unchanged from the FY19 CIP submission.

<b>Category</b>	<b>Funding Source</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26-30</b>	<b>Grand Total</b>
CONSTRUCT	4110-Flood Control Construction	\$0	\$2,750,000	\$0	\$0	\$0	\$0	<b>\$2,750,000</b>
INTERNAL CHARGES	4110-Flood Control Construction	\$0	\$121,790	\$0	\$0	\$0	\$0	<b>\$121,790</b>
PUBLIC ART	4110-Flood Control Construction	\$0	\$27,500	\$0	\$0	\$0	\$0	<b>\$27,500</b>
CONTINGENCY	4110-Flood Control Construction	\$0	\$205,000	\$0	\$0	\$0	\$0	<b>\$205,000</b>
<b>Grand Total</b>		<b>\$0</b>	<b>\$3,104,290</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,104,290</b>



# 83<sup>rd</sup> Avenue, Bethany Home Road to Camelback Road

**Project Number:** CIPDR19078

## **Project Description**

Installation of storm drain in 83rd Avenue from Bethany Home Road to Camelback Road.

## **Justification**

This project is identified in the Stormwater Management Plan (SMP) completed and presented to the city and Flood Control District of Maricopa County in July 2011. Amounts and description are unchanged from the FY19 CIP submission.

<b>Category</b>	<b>Funding Source</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26-30</b>	<b>Grand Total</b>
CONSTRUCT	4110-Flood Control Construction	\$0	\$0	\$0	\$0	\$0	\$2,500,000	<b>\$2,500,000</b>
DESIGN	4110-Flood Control Construction	\$0	\$0	\$0	\$0	\$250,000	\$500,000	<b>\$750,000</b>
INTERNAL CHARGES	4110-Flood Control Construction	\$0	\$0	\$0	\$0	\$9,500	\$95,000	<b>\$104,500</b>
PUBLIC ART	4110-Flood Control Construction	\$0	\$0	\$0	\$0	\$0	\$25,000	<b>\$25,000</b>
CONTINGENCY	4110-Flood Control Construction	\$0	\$0	\$0	\$0	\$0	\$250,000	<b>\$250,000</b>
<b>Grand Total</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$259,500</b>	<b>\$2,870,000</b>	<b>\$3,129,500</b>



# 59<sup>th</sup> Avenue & Thunderbird Road Storm Drain

**Project Number: CIPDR19079**

## **Project Description**

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

## **Justification**

This project is identified in the Stormwater Management Plan (SMP) completed and presented to the city and Flood Control District of Maricopa County in July 2011. Amounts and description are unchanged from the FY19 CIP submission.

<b>Category</b>	<b>Funding Source</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26-30</b>	<b>Grand Total</b>
CONSTRUCT	4110-Flood Control Construction	\$0	\$0	\$0	\$0	\$0	\$1,700,000	<b>\$1,700,000</b>
CONTINGENCY	4110-Flood Control Construction	\$0	\$0	\$0	\$0	\$0	\$116,000	<b>\$116,000</b>
DESIGN	4110-Flood Control Construction	\$0	\$0	\$0	\$0	\$0	\$58,000	<b>\$58,000</b>
INTERNAL CHARGES	4110-Flood Control Construction	\$0	\$0	\$0	\$0	\$0	\$48,345	<b>\$48,345</b>
LAND	4110-Flood Control Construction	\$0	\$0	\$0	\$0	\$0	\$24,000	<b>\$24,000</b>
PUBLIC ART	4110-Flood Control Construction	\$0	\$0	\$0	\$0	\$0	\$17,000	<b>\$17,000</b>
<b>Grand Total</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,936,345</b>	<b>\$1,936,345</b>



# Glenn Drive Drainage Improvements, 59<sup>th</sup> to 52<sup>nd</sup> Avenue

**Project Number: CIPDR21019**

## **Project Description**

This project will install storm drainage in Glenn Drive from 59th Avenue to 52nd Avenue.

## **Justification**

Maricopa County Flood Control District has agreed to contribute \$2,100,000 toward completion of this project.

<b>Category</b>	<b>Funding Source</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>	<b>FY25</b>	<b>FY26-30</b>	<b>Grand Total</b>
CONSTRUCT	4110-Flood Control Construction	\$0	\$0	\$0	\$4,650,000	\$0	\$0	<b>\$4,650,000</b>
PRE-DESIGN	4110-Flood Control Construction	\$0	\$50,000	\$0	\$0	\$0	\$0	<b>\$50,000</b>
DESIGN	4110-Flood Control Construction	\$0	\$0	\$550,000	\$0	\$0	\$0	<b>\$550,000</b>
INTERNAL CHARGES	4110-Flood Control Construction	\$0	\$0	\$20,900	\$176,700	\$0	\$0	<b>\$197,600</b>
PUBLIC ART	4110-Flood Control Construction	\$0	\$0	\$0	\$46,500	\$0	\$0	<b>\$46,500</b>
<b>Grand Total</b>		<b>\$0</b>	<b>\$50,000</b>	<b>\$570,900</b>	<b>\$4,873,200</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,494,100</b>



# Local Drainage Problems

**Project Number: CIPDR79004**

## Project Description

Construct localized storm drainage improvements to mitigate drainage and/or flooding problems.

## Justification

This is an ongoing program that typically addresses drainage problems in older neighborhoods, residential areas, and extends existing storm drain systems. There is no change from last FY approved request.

Category	Funding Source	FY21	FY22	FY23	FY24	FY25	FY26-30	Grand Total
DESIGN	4110-Flood Control Construction	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000	\$300,000
CONSTRUCT	4110-Flood Control Construction	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	\$2,000,000
INTERNAL CHARGES	4110-Flood Control Construction	\$8,740	\$8,740	\$8,740	\$8,740	\$8,740	\$43,700	\$87,400
PUBLIC ART	4110-Flood Control Construction	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$10,000	\$20,000
<b>Grand Total</b>		<b>\$240,740</b>	<b>\$240,740</b>	<b>\$240,740</b>	<b>\$240,740</b>	<b>\$240,740</b>	<b>\$1,203,700</b>	<b>\$2,407,400</b>



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Questions?