

Flood Control District Projects benefitting the City of Tucson

Map ID Number	Individual Projects	Supervisor District	City Ward	Project Description	Cost/Estimate	Status	Status Description
1	Ruthrauff Basin Management Study	1,3	3	Study of the Ruthrauff Area watersheds in order to establish new flood hazard areas, identify drainage alternatives, and provide incentives for re-development.	\$736,000	Complete	Adopted by Board on 10/3/2017. Adopted by City Council on 10/24/17.
2	Agua Nueva Channel Improvements	1	3	Channel construction project to increase channel capacity near the Agua Nueva treatment plant in anticipation of draingage improvements upstream as part of the Ruthrauff Basin Study	\$3,665,000	Complete	Completed January 2018.
3	Pantano Wash, Tanque Verde Road to Ft. Lowell Park	4	2	Construction of soil cement bank protection improvements in order to protect existing development from flood and erosion hazards.	\$6,425,294	Complete	Completed December 2017.
4	Pantano Wash, Ft. Lowell Park to Craycroft Road	4	2	Extension of linear park to provide connection from Fort Lowell Park to Craycroft Rd.	\$400,000	Complete	Completed February 2018.
5	Alamo Wash Sediment Removal	4	2	Alamo Wash Basin Study revealed excess sediment at confluence with Rillito that has the potential to cause or worsen overbank flooding.	\$130,000	Design	Anticipated completion May 2018.
6	El Vado/Airport Wash drainage improvements Phase 1	2,5	1,5	Outcome of Airport Wash and Airport Wash Basin Management Studies. Phase 1 is a basin at Hope Methodist Church, with storm drain outlet.	Phase 1: \$2,000,000	Design	Phase 1 project (EV5/EV7) slated for construction beginning in FY18/19. Working with City on IGA.
7	El Rio Golf Course	5	1	Design and construction of detention/retention basin within a portion of the El Rio Golf Course to reduce downstream flooding.	\$1,000,000	Design	City approved Charter 12/18/17. Working on project design to be completed May 2018. Anticipated construction completion December 2018.
8	Arroyo Chico - Increment 3	2	5,6	Final Phase of Arroyo Chico, improvements to the channel from Parkway Terrace to Campbell.	\$5,000,000	Design	Latest discussion with USACE is that the PAH that was found needs to be removed by local sponsor. District reviewing IGA with City, it appears that City may be responsible for providing clean site for their ROW. In discussion with USACE to modify design to remove to culverts from project.
9	Gardner Lane Culvert and Drainage Improvements	3	3	Channel and culvert construction to increase conveyance capacity under the railroad to reduce flooding in the Ruthrauff Basin Area	\$2,559,000	Design	Project in design. Anticipated construction in FY19/20
10	Santa Cruz River, Silverlake Road to Grant Road	5	1	Sediment Removal Project to restore capacity in the river and reduce flooding in the overbank.	\$3,000,000	Design	Phase 1 from Speedway to Grant anticipated to begin May 2018. Phase 2 proposed plan to be completed May 2018 for review and acceptance by COT
11	El Vado/Airport Wash drainage improvements Phases 2 and 3	2,5	1,5	Outcome of Airport Wash and Airport Wash Basin Management Studies. Phases 2 and 3 aer basins on City of Tucson and and TAA land.	Phase 2: \$1,400,000 Phase 3: \$1,800,001	Planning	District advocating for Phases 2 and 3 to be included in TAA EIS for runway expansion since basins are on TAA property. District anticipates that the City will formally request these projects as part of their annual CIP request.
12	Christmas Wash Drainage Improvements	3,5	2,4,6	After completion of floodplain mapping and delivery of information by City, District will identify locations for land acquisitions for purposes of installing drainage improvements.	\$750,000	Planning	Awaiting results of existing conditions mapping and delivery of information from City. Begin discussion with El Con for large detention - retention basin.
13	Alamo Wash Basin Management Study	2,4,5	2,4,6	Study of the Alamo Wash watershed in order to establish new flood hazard areas, identify areas with drainage problems, and identify alternatives to reduce flooding.	\$860,000	Study in Progress	Anticipated project completion April 2019. Existing Conditions mapping completed, alternatives analysis in progress, anticipated completion August 2018.
14	Christmas Wash Floodplain Modeling	3,5	3,6	Existing Conditions floodplain mapping incorporating existing infrastructure. Will be used to supplement crime, vacant home, and other data to identify areas where property acquisitions are appropriate for drainage infrastructure.	\$193,000	Study in Progress	Completion anticipated April 2018. Concurrently, City will pursue Ward input and NA outreach to identify problem areas.
15	Wilson/Navajo Wash Floodplain Modeling			Existing Conditions floodplain mapping incorporating existing infrastructure. Will be used to supplement crime, vacant home, and other data to identify areas where property acquisitions are appropriate for drainage infrastructure.	\$180,000	Study Starting July 2018	Result of existing conditions mapping will be used to identify drairage alternatives.
16	Bronx Wash Floodplain Modeling			Existing Conditions floodplain mapping incorporating existing infrastructure. Will be used to supplement crime, vacant home, and other data to identify areas where property acquisitions are appropriate for drainage infrastructure.	\$180,000	Study Starting July 2018	Result of existing conditions mapping will be used to identify drairage alternatives.
17	Tucson Diversion Channel- Craycroft to Alvernon	2	4	Audit by Army Corps of Engineers identified two locations where levee is non-compliant. Pursuing an update of the hydrology to determine if better information reduces perceived concern	\$400,000	Study Starting Jan. 2019	Need to work with Corps to identify the approach and methodology to use that will be acceptable to them.
18	Santa Cruz River, Irvington Road to Drexel Road (east bank)	5	1	Agreement to improve this portion of the Santa Cruz River bank and Loop facilities. Design of facilities by District, construction of improvements by City, and maintenance by District	2,000,000	Initiation	District to design needed improvements, City to construct. Anticipated completion of design FY19/20
19	Santa Cruz River, Downtown Loop Connections	5	1	Provide connector ramps, driveway aprons, etc. to enhance connectivity to the Loop through downtown.	\$20,000	Permits	District attempted to secure permission for these City amenities while avoiding typical permitting processes and fees without success. District will make a second attempt.
Total					\$32,698,294		Update 4/9/2018

Programtic Activities
ALERT, Regional Watercourse Maintenance,
Regional Outreach