

**Report and Recommendations on Amending Pima County Bond Ordinances
Pima County Bond Advisory Committee, September 16, 2011**

I. Background

The County is currently implementing several bond programs: the May 20, 1997 General Obligation and Sewer Revenue Bond Program, the November 4, 1997 Highway User Revenue Fund (HURF) Transportation Bond Program, the May 18, 2004 General Obligation and Sewer Revenue Bond Program, and the May 16, 2006 General Obligation Bond Program. Pima County Code Chapter 3.06, the "Truth in Bonding" code, requires that bond ordinances be amended to reflect substantial modifications to bond-funded projects. The code defines what constitutes a "substantial modification," and when an amendment must be adopted in relation to actions of the Board that implement affected projects. The code also requires that amendments to bond ordinances be considered and adopted by the Board at public hearings, after advance public notice, and only after review by the County Bond Advisory Committee.

Recommended amendments to these bond programs include proposed changes to 5 projects from the May 20, 1997 General Obligation and Sewer Revenue Bond Program, 3 projects from the November 4, 1997 Transportation Bond Improvement Program, and 10 projects from the May 18, 2004 General Obligation Bond Program. The recommended amendments would affect the following projects:

1997 GO and Sewer

- FC-8 Town of Oro Valley
- SS-5 Tanque Verde Interceptor, Craycroft to Tucson Country Club (Phase 1)
- SS-7 North Rillito Interceptor
- SS-8 New Marana Wastewater Treatment Facility
- SS-9 Roger Road Sewer Rehabilitation

1997 Transportation

- DOT-44 Orange Grove Road, Thornydale Road to Oracle Road
- DOT-54 Mt. Lemmon Shuttle
- DOT-58 Kino Parkway Overpass at 22nd Street

2004 GO

- 1.4 Tortolita Mountain Park – Arizona Preserve Initiative
- 1.17 Habitat at 36th and Kino
- 1.18 Kelly Ranch
- 3.4 Corrections Jail Security Project
- 3.5 Interagency Victim Advocacy Center
- 4.25 George Mehl Family Memorial Park
- 4.28 Feliz Paseos Universal Access Park
- 4.33 Houghton Greenway
- 4.46 Wilmot Branch Library Replacement
- 5.2 Urban Drainage Infrastructure Program

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II. Ordinance Amendment Requirements Per the Truth In Bonding Code

Section 3.06.070 of Pima County's Truth in Bonding Code establishes procedures for making changes to a bond implementation plan ordinance. Recognizing that over time the availability of more detailed design and cost information, and changes in circumstances, often require changes in a bond implementation plan presented to the voters at the time of a bond election, Section 3.06.070 authorizes the Board to amend bond implementation plans to accommodate "substantial modifications" to projects. Substantial modifications are defined as:

1. An increase or decrease in total actual project costs by 25 percent or more
2. An increase or decrease in actual bond costs by 25 percent or more
3. An increase or decrease in actual other revenues by 25 percent or more
4. A delay in a project construction or implementation schedule of 12 months or more
5. A delay in the scheduled sale of bonds of 24 months or more
6. Any project that is not constructed
7. Any project that is added to those to be constructed
8. Any increase or decrease in the project scope that alters the disclosed project benefits
9. All changes to a bond implementation plan necessitated by only a portion of the proposed bond questions being approved at the special election

The required timing of an amendment varies based on whether the amendment impacts only funding, or other aspects of a project. Pursuant to the Code, the Board of Supervisors can authorize a substantial modification to the funding for a project on a de facto basis by awarding or amending a contract for the project that reflects that change in funding, while at the same time acknowledging that the action will require a future conforming amendment to the bond ordinance. In this situation, the amendment takes place after the Board takes action by awarding a contract. The reason for this is that amendments should not be based on cost estimates, and prior to the awarding of contracts or approval of purchase agreements, cost estimates may vary. For all other types of substantial modifications, an amendment of the bond ordinance is necessary before the modification is implemented.

The County Bond Advisory Committee is tasked with reviewing and making recommendations to the Board of Supervisors regarding all proposed bond ordinance amendments.

III. Recommended Amendments

In order to amend the bond ordinances, the Board will be asked to adopt a separate ordinance for each of the three affected bond programs. The three ordinances are attached to this report, with language that is being deleted shown in the "strike-out format" (~~example~~), while new language that is being added to the ordinances is underlined (example). Note that the titles of projects were originally underlined, and therefore this does not necessarily mean that the titles are changing. In this format, the ordinances only contain those projects that are being amended, and do not reproduce the entirety of each of the three bond ordinances.

In addition, as requested by the Bond Advisory Committee to assist with review of these proposed amendments, attached is a list of each of the bond programs' implementation periods with the

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associated fiscal years.

A brief description of the recommended ordinance amendments' impact on each project is presented below.

A. Recommendations for Ordinance Amendments Relative to the 1997 General Obligation Bond and Sewer Revenue Program

FC-8 Town of Oro Valley

SS-5 Tanque Verde Interceptor, Craycroft to Tucson Country Club (Phase 1)

SS-7 North Rillito Interceptor

SS-8 New Marana Wastewater Treatment Facility

SS-9 Roger Road Sewer Rehabilitation

These projects have all been completed. This ordinance amendment corrects the amount listed as other funding. In addition, for SS-5 Tanque Verde Interceptor, Craycroft to Tucson Country Club (Phase 1), this ordinance amendment adds a note to the project stating that remaining bond funds totalling \$125,263 were applied to the 2004 bond project 6.03 Santa Cruz Interceptor, Prince to Franklin.

B. Recommendations for Ordinance Amendments Relative to the 1997 HURF Bond Program

DOT-44 Orange Grove Road, Thornydale Road to Oracle Road

This ordinance amendment would amend the scope of the project to include an interim project as part of Phase 2, to widen Orange Grove Road from Camino del la Tierra to La Cholla Boulevard. At this time the complete widening of Orange Grove Road as originally scoped in this project is not needed; however congestion along this portion of the corridor occurs regularly. This interim project is estimated to cost approximately \$7 million. This ordinance amendment would also delete \$3.18 million of Urban Area HURF funding and add \$385,000 of Regional Transportation Authority funding, to be spent on the interim project.

DOT-54 Mt. Lemmon Shuttle

This project was completed in 2006. This ordinance amendment corrects the amount listed for bond funding and other funding. The original intent of this project was to develop a public shuttle system to transport people up Mt. Lemmon. The project scope was previously amended with the support of the Bond Advisory Committee and Board of Supervisors. The project was developed to support the growth of anticipated traffic and the needs of the traveling public visiting the Summerhaven area at the top of Mt. Lemmon, without a shuttle. Improvements were made to increase both vehicular and pedestrian safety, improve accessibility to local residences and businesses, and to provide a bus stop/pullout for future shuttle service. Improvements included the rebuilding of Sabino Canyon Parkway, a new concrete arch culvert that allows Sabino Creek to pass under the improved roadway, environmental mitigation, a new paved and lighted parking area for sixty cars, sidewalks, marked crosswalks, additions/modifications to the existing sewer system, and public art.

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DOT-58 Kino Parkway Overpass at 22nd Street

This ordinance amendment would change the scope of this project. This is a City of Tucson project. Pima County had previously agreed to provide \$10 million in 1997 HURF bonds towards construction of Kino Parkway overpass at 22nd Street. However, at this time the County is not able to sell this level of HURF bonds as a result of significant reductions in HURF revenues. This problem was recently discussed by the County, the City, and the Regional Transportation Authority (RTA). The RTA is a significant stakeholder in the Kino Overpass at 22nd Street because of its impact on their 22nd Street: I-10 to Tucson Boulevard project (RTA #19), specifically the 22nd Street Viaduct over the Union Pacific Railroad and Barazza/Aviation Highway. The result of these discussions was an agreement that the RTA will advance \$10 million to the City on the County's behalf for their use in the near future on the Kino Parkway Overpass. In return the County will provide \$10 million in future HURF bond sales to the RTA 22nd St: I-10 to Tucson Boulevard project. At this time an IGA to accomplish this is currently being prepared between the County and the RTA.

C. Recommendations for Ordinance Amendments Relative to the 2004 General Obligation and Sewer Revenue Program

1.4 Tortolita Mountain Park – Arizona Preserve Initiative

1.18 Kelly Ranch

This ordinance amendment would transfer the 2004 bond funding for Kelly Ranch to 2004 bond project 1.14 Tortolita Mountain Park, to be matched by State Growing Smarter matching funds for the purchase of approximately 1,500 acres of State Trust land to expand the mountain park. Negotiations to purchase Kelly Ranch have been unsuccessful and the owners are pursuing annexation into the Town. The Town of Oro Valley's Mayor and Council approved Resolution No. 11-26 on May 4, 2011, requesting that the remaining Kelly Ranch bond funds be reallocated to purchase State Trust Land to expand Tortolita Mountain Park in the vicinity of the Town's northern boundaries. The Pima County Conservation Acquisition Commission recommended this bond ordinance amendment on June 9, 2011. The County has submitted an application to purchase the property to the State Land Department and anticipates acquiring the property at auction in late 2012.

1.17 Habitat at 36th and Kino

This ordinance amendment would extend the implementation period for the acquisition of this property through period four, ending this fiscal year, 2011/12. The Conservation Acquisition Commission will consider this amendment at their September 8, 2011 meeting. The City of Tucson's Mayor and Council is scheduled to consider this amendment at their September 13, 2011 meeting. An acquisition agreement has been negotiated and is anticipated to be scheduled for Board approval in late September with closing in October.

3.4 Corrections Jail Security Project

This ordinance amendment would expand the scope of this project to spend remaining bond funds, as well as additional non-bond funding, on the construction of training facilities required to meet mandated State education goals. This project was completed in December 2010.

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3.5 Interagency Victim Advocacy Center

This project was completed in 2009. This ordinance amendment reflects a refund to the project from Tucson Water.

4.25 George Mehl Family Memorial Park

This original project was completed in September 2010. This ordinance amendment would expand the scope to allow for the expenditure of \$266,000 in remaining bond funds on improvements to the I-10 frontage road in the vicinity of the confluence of the Santa Cruz, Rillito and Canada del Oro rivers, in order to provide access to The Loop. This additional sub project is scheduled to be completed in October 2011.

4.28 Feliz Paseos Universal Access Park

This project was completed in 2006. This ordinance amendment would correct the amount listed for other funding.

4.33 Houghton Greenway

This ordinance amendment would change the scope and location of the project from the Houghton Greenway to the Harrison Greenway. The City of Tucson's Mayor and Council is scheduled to consider this amendment at their September 13, 2011 meeting. The Harrison Greenway would start construction by the end of 2011.

4.46 Wilmot Branch Library Replacement

The reconstruction of the Wilmot Library was completed in January 2011, for \$5.5 million, \$1.5 million less than the \$7 million of bond funds allocated to the project. A bond ordinance amendment was approved in 2010 to allow for the expenditure of approximately \$130,000 from the remaining bond funding for the acquisition of State Trust land adjacent to Manzanita District Park and Drexel Heights Community Center. That acquisition was recently completed. The Library District is recommending that the remaining funds be allocated to expand the Eckstrom-Columbus Library. Three library expansion projects have been tentatively approved by the Bond Advisory Committee for inclusion in a future bond program. Of these three, the Eckstrom-Columbus Library is highest priority due to the dramatic increase in usage. This ordinance amendment would add the Eckstrom-Columbus Library expansion to the scope of the Wilmot Library project. This proposal will be considered by the Library Advisory Board on September 13, 2011.

5.2 Urban Drainage Infrastructure Program

The last subproject associated with this program was completed in 2010. This ordinance amendment would correct the amount listed for other funding.

1997 General Obligation & Sewer Revenue

ORDINANCE NUMBER 2011-____

AN ORDINANCE OF THE BOARD OF SUPERVISORS OF PIMA COUNTY ARIZONA RELATING TO GENERAL OBLIGATION AND SEWER REVENUE BOND PROJECTS AMENDING ORDINANCE NUMBER 1997-35 BOND IMPLEMENTATION PLAN, MAY 20, 1997 SPECIAL ELECTION (AS AMENDED SEPTEMBER 22, 1998 BY ORDINANCE NUMBER 1998-58; AUGUST 20, 2001 BY ORDINANCE NUMBER 2001-111; MARCH 9, 2004 BY ORDINANCE NUMBER 2004-15; OCTOBER 11, 2005 BY ORDINANCE NUMBER 2005-91; APRIL 4, 2006 BY ORDINANCE NUMBER 2006-19; OCTOBER 17, 2006 BY ORDINANCE NUMBER 2006-82; APRIL 10, 2007 BY ORDINANCE NUMBER 2007-32; NOVEMBER 6, 2007 BY ORDINANCE NUMBER 2007-94; APRIL 1, 2008 BY ORDINANCE NUMBER 2008-24; NOVEMBER 18, 2008 BY ORDINANCE NUMBER 2008-107; OCTOBER 6, 2009 BY ORDINANCE NUMBER 2009-90; APRIL 13, 2010 BY ORDINANCE NUMBER 2010-23; OCTOBER 19, 2010 BY ORDINANCE NUMBER 2010-64, AND APRIL 5, 2011 BY ORDINANCE NUMBER 2011-19) FOR THE PURPOSE OF AMENDING IMPLEMENTATION PERIODS FOR CERTAIN BOND PROJECTS, AND AUTHORIZING THE USE OF ADDITIONAL OTHER FUNDS TO FINANCE CERTAIN PROJECTS.

WHEREAS, The Board of Supervisors adopted Chapter 3.06 of the Pima County Code titled "Bonding Disclosure, Accountability and Implementation"; and,

WHEREAS, in compliance with Chapter 3.06, the Board of Supervisors adopted Ordinance Number 1997-35, the "Bond Implementation Plan, May 20, 1997 Special Election"; and,

WHEREAS, the Board of Supervisors, on September 22, 1998 enacted Ordinance No. 1998-58, on August 20, 2001 enacted Ordinance Number 2001-111, on March 9, 2004 enacted Ordinance Number 2004-15, on October 11, 2005 enacted Ordinance Number 2005-91, on April 4, 2006 enacted Ordinance Number 2006-19, on October 17, 2006 enacted Ordinance Number 2006-82, on April 10, 2007 by Ordinance No. 2007-32, on November 6, 2007 enacted Ordinance Number 2007-94, on April 1, 2008 by Ordinance No. 2008-24, on November 18, 2008 by Ordinance No. 2008-107, on October 6, 2009 by Ordinance No. 2009-90, on April 13, 2010 by Ordinance No. 2010-23, on October 19, 2010 by Ordinance No. 2010-64, and on April 5, 2011 by Ordinance No. 2011-19 amending Ordinance No. 1997-35 in compliance with provisions of Chapter 3.06; and,

WHEREAS, the Board of Supervisors desires to amend Ordinance Number 1997-35 (as previously amended) in compliance with provisions of Chapter 3.06:

NOW THEREFORE, IT IS HEREBY ORDAINED by the Board of Supervisors of Pima County, Arizona:

Ordinance Number 1997-35 (as previously amended) is hereby amended as follows:

F. Question No. 6 - Flood Control Improvements

8) Project

FC-8 -- Town of Oro Valley

Location: Town of Oro Valley, Urban Drainage Improvements
Bond Funding: \$161,517
Scope: The Town of Oro Valley has requested that the bond funds be expended to improve a portion of Mutterers Wash south of Greenock Drive. The Town of Oro Valley managed the construction of this project, through an intergovernmental agreement with the County.
Benefit: Improved drainage conditions for Town residents and safer driving conditions. In addition, future potential damage to major urban infrastructure in the area, including roadways, water delivery systems and electric lines, will be reduced.
Other Funding: ~~\$5,828~~ \$0
Implementation Period: 2, 3 Complete
Future Operating & Maintenance Costs: Minimal

H. Question No. 8 - Sewer System Revenue Bonds

4) Project

SS-5 -- Tanque Verde Interceptor, Craycroft to Tucson Country Club (Phase I)

Location: The interceptor parallels the Tanque Verde Wash from Craycroft Road east to the Tucson Country Club.
Bond Funding: \$4,050,000
Scope: This project is Phase I, design and right away acquisition, of a project that calls for construction of approximately 9,000 feet of 36-inch diameter interceptor sewer, which will make the Tanque Verde and Pantano sewer service areas tributary to the new South Rillito Interceptor that conveys flows to Roger Road Waste Water Treatment Facility, thereby relieving flows in the North Rillito Interceptor and Ina Road Water Pollution Control Facility. Subsequent to the initial Bond Improvement Plan, the project was realigned with resulting easement and bank protection requirements. Bond funding totaling \$2,713,478 was applied to the 2004 Bond Project 6.11 Avra Valley BNROD Expansion. Bond funding totaling \$125,263 was applied to the 2004 Bond Project 6.03 Santa Cruz Interceptor, Prince to Franklin.
Benefit: Additional capacity will be provided for future flow demand, allowing the Tanque Verde and Pantano sewer basins to receive adequate sewer service. Annual maintenance costs will be reduced along with the risks of service interruption. The generation of odors will also be minimized.
Other Funding: \$529,666 - Revenue from the System Development Fund ~~and \$189,135 from RWRD Obligations proceeds.~~
Implementation Period: 1, 2, 3, 4, 5, 6, 7
Future Operating & Maintenance Costs: Not Applicable

6) Project

SS-7 -- North Rillito Interceptor

Location: The North Rillito Interceptor is aligned along the northerly bank of the Rillito River and the Tanque Verde Wash.

Bond Funding: \$300,000

Scope: Subsequent to the initial Bond Improvement Plan, detailed investigations of this interceptor demonstrated that the needed capacity could be obtained by reconstruction/rehabilitation work rather than augmentation. Therefore, the design and easement acquisition process has been canceled, with remaining project funds (\$2,300,000) being reallocated to SS-14: Miscellaneous Reclamation Facilities/Randolph Park.

Benefit: Not Applicable

Other Funding: \$89,883 \$24,985

Implementation Period: 1, 2 Complete

Future Operating & Maintenance Costs: Not Applicable

7) Project

SS-8 -- New Marana Wastewater Treatment Facility

Location: Currently the proposed site for the facility is in the Town of Marana at the site of the existing Marana Wastewater Treatment Facility Based on the Marana 208 Plan Amendment.

Bond Funding: \$2,050,000

Scope: The construction of a new wastewater treatment facility to serve the Town of Marana. The existing Marana WWTF is approaching its design capacity. The proposed facility would utilize an oxidation ditch treatment process and the effluent would be suitable for reuse.

Benefit: This project will provide additional treatment capacity for projected future development in Marana and would produce effluent suitable for reuse. The higher quality effluent would meet all federal and state water quality criteria to comply with permit requirements. The ability to reuse the higher quality effluent assists with meeting the water conservation goals for our community. The project also discourages the construction of private wastewater treatment facilities and individual septic systems, which can become environmental and human health risks.

Other Funding: \$353,797 \$89,492 - Revenues in the System Development Fund.

Implementation Period: 3, 4, 5

Future Operating & Maintenance Costs: \$ 70,000 annually

8) Project

SS-9 -- Roger Road Sewer Rehabilitation

Location: The interceptor runs along Roger Road from Romero Road east to Tucson Boulevard.

Bond Funding: \$1,858,401

Scope: The rehabilitation of an existing sewer interceptor that has deteriorated and is in danger of collapsing. Work will include the rehabilitation of approximately 21,000 feet of 30-inch diameter reinforced concrete sewer.

Benefit: This project will prevent the collapse of the existing sewer and potential sinkhole, averting property damage or release of untreated sewage. Annual maintenance costs will also be reduced.

Other Funding: \$1,408,163 ~~\$1,100,000~~ - Proceeds from previous bond sales and revenues in the Systems Development Funds.

Implementation Period: 2 Complete

Future Operating & Maintenance Costs: Current operating and maintenance costs will be reduced overall because the need for frequent cleaning and clearing of blockages will be eliminated, as will crisis maintenance. Operating and maintenance costs in the first several years will be only for spraying for roach control.

AS AMENDED by the Board of Supervisors of Pima County, Arizona, on this ____ day of _____, 2011.

Chairman, Board of Supervisors

Attest:

Reviewed by:

Clerk, Board of Supervisors

County Administrator

Approved as to Form:

Civil Deputy County Attorney

1997 HURF

ORDINANCE 2011- ____

AN ORDINANCE OF THE BOARD OF SUPERVISORS OF PIMA COUNTY ARIZONA RELATING TO HIGHWAY USER REVENUE FUND REVENUE BOND PROJECTS AMENDING ORDINANCE NUMBER 1997-80 BOND IMPLEMENTATION PLAN, NOVEMBER 4, 1997 SPECIAL ELECTION (AS AMENDED SEPTEMBER 22, 1998 BY ORDINANCE NO. 1998-59, AUGUST 20, 2001 BY ORDINANCE NO. 2001-112, DECEMBER 14, 2004 BY ORDINANCE NO. 2004-118, OCTOBER 11, 2005 BY ORDINANCE NO. 2005-90, APRIL 4, 2006 BY ORDINANCE NO. 2006-20, OCTOBER 17, 2006 BY ORDINANCE NO. 2006-83, NOVEMBER 6, 2007 BY ORDINANCE NO. 2007-93, APRIL 21, 2009 BY ORDINANCE NO. 2009-39 OCTOBER 6, 2009 BY ORDINANCE NO. 2009-91, APRIL 13, 2010 BY ORDINANCE NO. 2010-22, OCTOBER 19, 2010 BY ORDINANCE NO. 2010-62, AND APRIL 5, 2011 BY ORDINANCE NO. 2011-20) FOR THE PURPOSE OF REALLOCATING BOND FUNDS, AMENDING THE SCOPE OF CERTAIN PROJECTS, AMENDING IMPLEMENTATION PERIODS FOR CERTAIN BOND PROJECTS AND AUTHORIZING THE USE OF ADDITIONAL OTHER FUNDS TO FINANCE CERTAIN BOND PROJECTS.

WHEREAS, the Board of Supervisors adopted Chapter 3.06 of the Pima County Code titled "Bonding Disclosure, Accountability and Implementation"; and,

WHEREAS, in compliance with Chapter 3.06, the Board of Supervisors adopted Ordinance Number 1997-80, the "Transportation Bond Improvement Plan, November 4, 1997 Special Election"; and,

WHEREAS, the Board of Supervisors, on September 22, 1998 enacted Ordinance Number 1998-59 and on August 20, 2001 enacted Ordinance Number 2001-112 and on December 14, 2004 enacted Ordinance Number 2004-118 and on October 11, 2005 enacted Ordinance Number 2005-90 and on April 4, 2006 enacted Ordinance Number 2006-20 and on October 17, 2006 enacted Ordinance Number 2006-83 and on November 6, 2007 enacted Ordinance Number 2007-93 and on April 21, 2009 enacted Ordinance Number 2009-39 and on October 6, 2009 enacted Ordinance Number 2009-91 and on April 13, 2010 enacted Ordinance Number 2010-22 and on October 19, 2010 enacted Ordinance Number 2010-62 and on April 5, 2011 enacted Ordinance number 2011-20 amending Ordinance Number 1997-80 in compliance with provisions of Chapter 3.06; and,

WHEREAS, the Board of Supervisors desires to amend Ordinance Number 1997-80 (as previously amended) in compliance with provisions of Chapter 3.06:

NOW THEREFORE, IT IS HEREBY ORDAINED by the Board of Supervisors of Pima County, Arizona:

Ordinance Number 1997-80 (as previously amended), is hereby amended as follows:

44) DOT-44 - Orange Grove Road, Thornydale Road to Oracle Road

Location: Unincorporated County, Marana

Bond Funding: \$20,000,000

Scope: The project consists of constructing a four and six-lane roadway from Thornydale Road to Oracle Road. The Advance Planning Report for Orange Grove Road approved by the Board of Supervisors in 1992 called for six lanes from La Cholla Boulevard to Oracle Road and four lanes from Thornydale Road to La Cholla. The cross section requirements will be reviewed during the project initiation stages to determine if the full six lanes from Thornydale to La Cholla should be built with the initial project. ~~The project will include a raised landscape median, multi-use lanes, outside curbs and storm drains, provision for pedestrians and screening and noise mitigation for adjacent residential areas where required. Reinforced box culverts or short span bridges will be constructed where the Pegler Wash, Casas Adobes Wash and the Roller Coaster Wash cross Orange Grove Road, along with other transverse drainage as needed.~~

Note: The Orange Grove Road and La Cholla Boulevard intersection will be constructed with La Cholla Boulevard, River Road to Magee Road project (see DOT-45). The intersection of Orange Grove Road and La Canada Drive will likely be completed as part of the non-bond federal aid project, La Canada Drive, River Road to Ina Road. The remainder of the roadway will be completed in two phases. Phase 1 will consist of construction from Corona Drive to Oracle Road. Phase 2 will be complete the project from Thornydale Road to La Cholla Boulevard.

Phase 2 improvements include widening the 3-lane section to a 5-lane section on Orange Grove Road from Camino de la Tierra to La Cholla Boulevard, providing two eastbound travel lanes, two westbound travel lanes, a center left-turn lane and paved shoulders on each side. Turn lanes and acceleration and deceleration lanes will be designed for Mona Lisa to meet RTA requirements. Other features, such as a pedestrian patch on one side of the road, landscaping, and sound-barrier walls, if warranted, will be designed now and built when funding is available.

Benefit: The project will reduce congestion and enhance safety along Orange Grove Road and at the intersecting street intersections. The estimated economic value of the improvements to traffic flow and reductions in accidents are \$295.48 million. The benefit/cost ratio is 12.7:1.

Other Funding: \$385,000 (Regional Transportation Authority) additional funding sources will be utilized when available. \$3,180,000 (Urban Area HURF)

Implementation Period: 3/4/5/6/7/8

Future Annual Operating & Maintenance Costs: \$126,000

54) DOT-54 - Mt. Lemmon Shuttle

Location: Unincorporated Pima County

Bond Funding: \$1,779,561 \$1,500,000

Scope: To support future public transportation facilities at Summerhaven, including a proposed tram system and local shuttle service, and to accommodate the anticipated traffic at the new Village Center. Sabino Canyon Parking Improvements are needed. Improvements include roadway re-alignment, drainage facilities, environmental mitigation, improved pedestrian access, and parking.

Benefit: Improved public access and safety at Summerhaven.

Other Funding: \$510,484 \$790,046 (340,853 County HURF)
(169,631 Wastewater Management)

Implementation Period: 1/2/3/4/5

Future Annual Operating & Maintenance Costs: To be determined

58) DOT-58 - ~~Kino Parkway Overpass at 22nd Street~~ 22nd Street: I-10 to Tucson Boulevard Improvements

Location: Tucson

Bond Funding: \$10,000,000

Scope: The proposed project will construct an overpass for Kino Boulevard over 22nd Street, and associated access ramps from Kino to at-grade signalized connections to 22nd Street. The proposed improvements are consistent with the environment impact statement previously completed for the Kino Boulevard corridor study. The project will include multi-use lanes, curbs, sidewalks, street lighting, storm drains, landscaping, public art, and other urban street features. Funded activities include project planning, environmental studies, design, construction and public art. The proposed improvements will also include the 22nd Street corridor improvements from Interstate 10 (I-10) to Tucson Boulevard, which will add one new travel lane in each direction, bridges over the railroad tracks, and intersection improvements along 22nd Street to promote mobility, capacity, and safety. It will create new roadway and streetscape designs, guide future land use decisions, enhance environmental and economic sustainability, and improve mobility for vehicles, transit, bicycles, and pedestrians. Special consideration will also be given to ADA accessibility. The proposed improvements are consistent with the environment impact statement previously completed for the Kino Boulevard corridor study. The proposed improvements are consistent with the environment impact statement previously completed for the Kino Boulevard corridor study.

The project will include multi-use lanes, curbs, sidewalks, street lighting, storm drains, landscaping, public art, and other urban street features. Funded activities include project planning, environmental studies, design, construction and public art.

Benefits: The project will reduce traffic congestion at the intersection and enhance safety along both roadways by providing improved access control and reducing conflicting traffic movements.

Other Funding: If necessary, City of Tucson to secure funding other than county bonds to complete the project.

Implementation Period: 4/5/6/7/8

Future Annual Operating & Maintenance Costs: City of Tucson

AS AMENDED by the Board of Supervisors of Pima County, Arizona, on this ____ day of _____, 2011.

Chair, Pima County Board of Supervisors

Attest:

Reviewed by:

Clerk, Pima County Board of Supervisors

Pima County Administrator

Approved as to Form:

Civil Deputy County Attorney

2004 General Obligation & Sewer Revenue

ORDINANCE NO. 2011-____

AN ORDINANCE OF THE BOARD OF SUPERVISORS OF PIMA COUNTY ARIZONA RELATING TO GENERAL OBLIGATION AND SEWER REVENUE BOND PROJECTS AMENDING ORDINANCE NUMBER 2004-18 BOND IMPLEMENTATION PLAN, MAY 18, 2004 SPECIAL ELECTION (AS AMENDED OCTOBER 11, 2005 BY ORDINANCE NUMBER 2005-92 AND APRIL 4, 2006 BY ORDINANCE NUMBER 2006-21 AND OCTOBER 17, 2006 BY ORDINANCE NUMBER 2006-84 AND APRIL 10, 2007 BY ORDINANCE NUMBER 2007-33 AND NOVEMBER 6, 2007 BY ORDINANCE NUMBER 2007-95 AND APRIL 1, 2008 BY ORDINANCE NUMBER 2008-25 AND NOVEMBER 18, 2008 BY ORDINANCE NUMBER 2008-106 AND APRIL 21, 2009 BY ORDINANCE NUMBER 2009-40 AND OCTOBER 6, 2009 BY ORDINANCE NUMBER 2009-92 AND APRIL 13, 2010 BY ORDINANCE NUMBER 2010-24 AND OCTOBER 19, 2010 BY ORDINANCE NUMBER 2010-63 AND DECEMBER 7, 2010 BY ORDINANCE NUMBER 2010-70 AND APRIL 5, 2011 BY ORDINANCE NUMBER 2011-21) FOR THE PURPOSE OF AMENDING THE SCOPE OF CERTAIN PROJECTS, AMENDING IMPLEMENTATION PERIODS FOR CERTAIN BOND PROJECTS, AND AUTHORIZING THE USE OF ADDITIONAL OTHER FUNDS TO FINANCE CERTAIN PROJECTS.

WHEREAS, the Board of Supervisors adopted Chapter 3.06 of the Pima County Code titled "Bonding Disclosure, Accountability and Implementation;" and,

WHEREAS, in compliance with Chapter 3.06, the Board of Supervisors adopted Ordinance Number 2004-18, the "Bond Implementation Plan, May 18, 2004 Special Election;" and

WHEREAS, the Board of Supervisors, on October 11, 2005 enacted Ordinance Number 2005-92 and on April 4, 2006 enacted Ordinance Number 2006-21 and on October 17, 2006 enacted Ordinance Number 2006-84 and on April 10, 2007 enacted Ordinance Number 2007-33 and on November 6, 2007 enacted Ordinance Number 2007-95 and on April 1, 2008 enacted Ordinance Number 2008-25 and on November 18, 2008 enacted Ordinance Number 2008-106 and on April 21, 2009 enacted Ordinance Number 2009-40 and on October 6, 2009 enacted Ordinance Number 2009-92 and on April 13, 2010 enacted Ordinance Number 2010-24 amending Ordinance Number 2004-18 and on October 19, 2010 enacted Ordinance Number 2010-63 and on December 7, 2010 enacted Ordinance Number 2010-70 and on April 5, 2011 enacted Ordinance Number 2011-21 in compliance with provisions of Chapter 3.06; and

WHEREAS, the Board of Supervisors desires to amend Ordinance Number 2004-18 (as previously amended) in compliance with provisions of Chapter 3.06:

NOW THEREFORE, IT IS HEREBY ORDAINED by the Board of Supervisors of Pima County, Arizona:

Ordinance Number 2004-18 (as previously amended is hereby amended as follows:

A. Question No. 1 - Sonoran Desert Open Space and Habitat Protection; Preventing Urban Encroachment of Davis-Monthan Air Force Base

1.4 Tortolita Mountain Park - Arizona Preserve Initiative

Location: These State Trust lands are located in the planning boundary of the Tortolita Mountain Park.

Scope: Purchase 4,519 approximately 1,500 acres of State Trust land in fee simple or through other available methods. Parcels were reclassified to conservation status by the Arizona State Land Department in July 2003.

Benefit: This project will provide habitat protection for a variety of species including suitable habitat for the cactus ferruginous pygmy owl; will protect an area of high archaeological significance; will protect a key segment of Upper Honey Bee Canyon; will preserve recreational areas for hikers, equestrians, and mountain bikers; and protect the viewshed of the eastern foothills of the Tortolita Mountains, which forms one of the principal gateway corridors into metro Tucson.

Cost: ~~\$3,564,528~~ \$24,000,000

Bond Funding: ~~\$1,547,968~~ \$7,000,000

Other Funds: ~~\$234,296~~ \$5,000,000 from the 1997 Bond Program and ~~\$1,782,264~~ \$12,000,000 in State Growing Smarter matching funds.

Implementation Period: 1, 2, 3, 4

Future Operating and Maintenance Costs: Based on the average cost to operate and maintain the existing open space parks system of Pima County, it is anticipated that future operating and maintenance costs of community open spaces which are added to the existing natural open space system operated and maintained by Pima County will cost, on average, approximately \$60 per year per acre of added open space park.

1.17 Habitat at 36th and Kino

Location: Parcel is located at the southeast corner of 36th Street and Kino Parkway.

Scope: Purchase the 26-acre parcel in fee simple.

Benefit: The 26-acre parcel comprises four different vegetative communities and is classified as a floodplain. A preliminary survey showed a total of 32 plant species and 22 bird species. The property is walking distance from six schools, the Holmes-Tuttle Boys and Girls Club, and the Quincie Douglas Recreation Center, all of which could benefit from nearby habitat preservation and environmental protection.

Cost: \$1,000,000

Bond Funding: \$1,000,000

Other Funding: None identified at this time. If additional funding becomes necessary, options include federal and state grants and Flood Control District appropriations; if necessary, however, acquisition cost is limited to the cost guidelines in the Ordinance.

Implementation Period: 1, 2, 3, 4

Project Management: Pima County Natural Resources, Parks and Recreation and Flood Control District will manage this acquisition, in close consultation with the City of Tucson.

Future Operating and Maintenance Costs: There should be minimal costs, which will be funded through either Natural Resources, Parks and Recreation or the Flood Control District.

Town of Oro Valley Priorities

1.18 Kelly Ranch

Location: The Kelly Ranch parcels are located at the intersection of Tangerine and Oracle, on the east side of Oracle. The wildlife corridor parcels are located along Oracle Road south of Wilds Road.

Scope: Purchase in fee simple or acquire conservation easements on 5 parcels totaling 103 acres, which would be added to the boundaries of Catalina State Park. Pima County, Town of Oro Valley and Arizona State Parks would arrange for a land exchange. The scope also includes purchase of wildlife corridor parcels, tax codes 223-01-0030 and 222-45-009C.

Benefit: Preservation of these parcels will prevent urban encroachment on the sensitive natural resources of Catalina State Park, which surrounds these parcels on the north, east and south. Significant cultural and archeological resources that exist on the site will also be protected, and recreational and educational opportunities for the public will be created. Purchase of the wildlife corridor parcels would contribute to the conservation of a key wildlife corridor between the Catalina and Tortolita mountains, across Oracle Road.

Cost: \$952,032 \$5,000,000

Bond Funding: \$952,032 \$2,500,000

Other Funding: \$0 \$2,500,000 – The Town of Oro Valley, with the close cooperation of Pima County, will seek this additional funding from Arizona State Parks.

Implementation Period: 1, 2, 3

Project Management: the Town of Oro Valley will negotiate with the property owner and acquire the property with County bond funds, in accordance with all provisions of this ordinance and pursuant to an intergovernmental agreement between Pima County and the Town.

Future Operating and Maintenance Costs: Operating and maintenance costs associated with this acquisition will be minimal and will be absorbed in the annual State Parks Operating Budget.

B. Question No. 3 - Public Safety and Justice Facilities

3.4 Corrections Jail Security Project

Location: Pima County Jail, 1270 West Silverlake, Tucson, Arizona

Scope: The project will extend the security and useful life of existing jail facilities, primarily the 20-year old Main Jail Tower by reconditioning or upgrading in 4 3 interrelated categories:

Jail Security - Security upgrades and enhancements include cell door lock replacement and enhancement, installing feeding windows on the Main Jail third floor to expand high-security capacity, replacing Main Jail sliding security doors, purchasing security screening technology to combat contraband and renovating existing internal space;

Risk Management - Replacing the antiquated Main Jail elevator system;

Environmental - Installation of HVAC system (to replace evaporative cooling) and smoke-evacuation systems, heating systems, and restoration of Main Jail housing units that have been in constant use since 1984.

Training/Education – Training Center, construct classroom addition and remodel restrooms for locker room facilities; required due to increase in training facility usage required to train new recruits and current staff for mandatory training and continued security and life safety curriculum.

Benefits: The Main Jail has been in constant use, 24-hours per day and 7-days per week, since 1984, approximately two decades. Designed to house 468 inmates, the facility presently houses in excess of 800 inmates. Many of the systems have reached their useful life, jeopardizing safety and functioning of the facility. Replacement of the facility is not an option and the improvements in this project will enhance facility safety and extend its useful life.

Costs: ~~\$4,271,069~~ \$3,900,000

Bond Funding: \$3,000,000

Other Funding: ~~\$1,271,069~~ \$900,000 (~~\$1,196,963~~ Sheriff CJEF/RICO funds, \$74,106 Facilities Renewal Fund). It is likely that some of the improvements contemplated in this project will exceed the designated bond funding. Those improvements most important to security will have the highest priority for funding. The Sheriff's Department and Pima County will seek additional funding through sources such as Criminal Justice Enhancement Funding.

Project Duration: Planning and Design of improvements will typically take between 12 and 18 months, while delivery and installation can vary from as little as 3 months to as much as 12 months.

Implementation Period: 1,2,3

Project Management: Pima County Sheriff's Department/Facilities Management Department.

Future Operating and Maintenance Costs: These improvements should not increase annual operating and maintenance costs of operating the Main Jail, and if they do, the impact should be minimal. Many of the improvements could actually help to lower operations costs by enhancing performance of the systems.

3.5 Interagency Victim Advocacy Center

Location: On approximately 3 acres on Ajo Way, east of Pima County Juvenile Court Center.

Scope: Construct an Interagency Advocacy Center on County-owned property. The center will be built in phases with Phase One specializing in services focused on children. This facility will house various agencies and community partners responsible for victim response, investigation, and litigation, including human service providers, victim advocates, medical personnel, law enforcement and prosecuting attorneys. The concept for the Center has been developed by the Pima County InterAgency Council (IAC), a collaboration of over 20 local victims' service providers founded in 1998. The Center will be open 7 days per week and 24 hours per day.

The Council completed a master plan for the full facility, which envisions a multi-level building of approximately 113,000 square feet. Because of funding constraints, the Center will be constructed in phases. Phase One will construct the "core facility" of approximately 21,000 square feet specializing in services for children, at an estimated total cost of \$6 million. The 3-acre parcel of land is necessary to construct Phase One with some potential for expansion. However, more adjacent land will be necessary to complete a full buildout to 113,000 square feet. Phase One is the project to be addressed by this 2004 Pima County bond project. Phase One is intended to provide space for staff of 51 people, from the Sheriff's Department, Pima County Attorney's Office, Victim Witness, Tucson Police Department, Child Protective Services, and several social service agencies. \$340,000 will be used in conjunction with the 2004 Project 3.2 Joint Justice/Municipal Court Complex to fund the relocation of office space for Adult Probation and Pretrial Services.

As additional funding is secured, the remainder of the Center will be constructed.

Benefits: This facility will be a victim-friendly building specifically designed to minimize trauma and foster rapid and integrated multi-disciplinary responses. The proposed advocacy services center will co-locate the community partners responsible for response, investigation and litigation in a victim-friendly setting that is both physically and psychologically safe for clients and their families. This approach will reduce further trauma and improve victim treatment. Case processing will be streamlined which will increase efficiency and decrease costs. Coordinated multi-disciplinary responses will improve effectiveness, maximize limited human resources and decrease the average duration of investigations. Finally, more perpetrators will be held accountable as prosecution and conviction rates increase, thereby increasing public safety. The facility will house multiple agencies, including Pima County, the City of Tucson, the State of Arizona, and various community victim services agencies.

Costs: ~~\$6,013,711~~ ~~\$6,000,000~~

Bond Funding: \$6,000,000

Other Funding: ~~\$13,711~~ ~~\$0 (COT – Tucson Water Refund)~~

Project Duration: Planning and Design at 24 to 36 months and Construction at 24 to 36 months.

Implementation Period: 1, 2, 3, 4, 5

Project Management: Pima County Facilities Management will manage design and construction, with close coordination with the Pima County Interagency Council.

Future Operating and Maintenance Costs: Building costs at approximately \$120,000 per year, excluding staffing costs.

D. Question No. 4 - Parks and Recreational Facilities

4.25 George Mehl Family Memorial Park

Location: 4001 East River Road, Tucson, Arizona. The project site will be located on approximately 30 acres of Pima County-owned property and less than 1/2-acre of ADOT property.

Scope: This project will expand services at this existing park. Improvements may include the improvements, entry road, drainage improvements, sports field lighting, security lighting, playgrounds, maintenance compound, a trailhead connecting to the Rillito River Park, and a memorial plaza. The park's concept plan has been approved by the Pima County Parks and Recreation Commission. Residual project funds will be used to continue river park improvements along the confluence of the Rillito, Santa Cruz and Canada del Oro. These improvements will provide connectivity between each of these three river parks via modifications to the Interstate 10 frontage road.

Benefits: This existing park provides sports and passive recreational activities in northeast Tucson and the unincorporated urban foothills areas of Pima County. The proposed improvements will increase the agency's ability to meet public demand for play fields in this area. This project will also provide access to the existing Rillito River Park's regional trail. The additional improvements will allow users from Marana and Oro Valley to access the loop. Users of the loop will be able to access the northern jurisdictions.

Costs: \$2,000,000, with Administration being \$50,000, Planning being \$120,000, Design being \$240,000, Construction being \$1,545,700, Capital Equipment being \$25,000, and Public Art being \$19,300.

Bond Funding: \$2,000,000

Other Funding: None identified at this time, however, efforts to obtain State and Federal grants will be explored.

Project Duration: Planning/Design at 15 to 25 months and Construction at 18 to 36 months.

Implementation Period: 2, 3, 4

Project Management: Pima County Natural Resources, Parks and Recreation

Future Operating and Maintenance Costs: \$55,040 per year when fully completed.

4.28 Feliz Paseos Universal Access Park

Location: This new park is located west of Tucson, near Gates Pass Road on Camino de Oeste, on County-owned open space acquired for this purpose with 1997 open space bonds.

Scope: The project site is incorporated into the foothills of Tucson Mountain Park and may include the development of approximately 1.5 miles of universal accessible trails within a natural environmental setting. Feliz Paseos will feature a universally accessible trail system enhanced by interpretive signs, and will include a parking area and a small plaza with a ramada. The park will also include over a mile of native soil tread trails and over a quarter of a mile of hard surface trails, and wildlife observation points overlooking Camino de Oeste Wash. Shade ramadas and

other rest stations will be located along the paths. All trails will be signed to show maximum trail grades, cross slopes, surface conditions, and obstacles.

In February 1998, the Board of Supervisors formed a committee to explore the feasibility of acquiring a portion of the Las Lomas Ranch as the site for a park utilizing the concept of universal accessibility. The committee was sensitized to universal accessibility as a more all-inclusive concept and several members were trained in the Universal Trail Assessment Process (UTAP). The park's master plan was developed by members from our community, representing all levels of physical ability. The park's master plan has been approved by the Pima County Parks and Recreation Commission.

Benefits: The project proposes the development of universally accessible trails, enabling members of our community to enjoy and experience natural mountain park settings. The development of this project will provide recreational opportunities to the broadest range of potential users. This project will benefit all residents of Pima County and regional visitors. The Feliz Paseos Universal Access Park will be the first facility of its kind in the state, and one of the few parks designed and developed with an accessibility focus in the United States.

Cost: ~~\$1,150,000 \$1,000,000, with Administration being \$25,000, Planning being \$60,000, Design being \$120,000, Construction being \$768,350, Capital Equipment being \$17,000, and Public Art being \$9,650.~~

Bond Funding: \$1,000,000

Other Funding: ~~\$150,000 General Fund None identified at this time, however, efforts to obtain State and Federal grants will be explored.~~

Project Duration: Planning/Design at 8 to 15 months and Construction at 12 to 20 months.

Implementation Period: 1, 2, 3

Project Management: Pima County Natural Resources, Parks and Recreation

Future Operating and Maintenance Costs: \$51,698 per year when fully developed.

4.33 Houghton-Harrison Greenway

Location: This project is located along the ~~east side of Houghton~~ Harrison Road from Tanque Verde Road to Interstate 10 alignment from the Julian Wash Greenway, north to the Pantano Wash.

Scope: ~~This project is includes the acquisition and development of additional segments of the Houghton Harrison~~ Greenway based on the City/County Divided Urban Pathway Standard, as determined by available funding.

Benefits:

The ~~acquisition and development of the Harrison~~ Greenway will address the community's need for recreation and exercise opportunities, alternate modes of transportation, and enhanced connectivity. The project will continue development of the urban pathway system, The Loop, as defined ~~in the in the City of Tucson Parks and Recreation Strategic Plan 2013 and the Eastern Pima Regional County Trails System Master Pplan.~~ This project will address the community's need for enhanced trails, connectivity and continued development of the urban pathway system,

as identified in the City of Tucson Parks and Recreation Strategic Service Plan 2013 ~~and the Eastern Pima County Trails System Masterplan~~. Open space, trails and natural resource parks are important elements of the voter-approved City of Tucson General Plan.

Cost: \$1,400,000, with Planning/Design being \$150,000, Construction being \$750,000, Land acquisition being \$400,000, and Other being \$100,000.

Bond Funding: \$1,400,000

Other Funding: None identified at this time. ~~Pima County The City of Tucson~~ will seek other funding, including Federal Transportation Enhancement Grants and private developer contributions. ~~Pima County will lend such support as it can to City of Tucson in securing other funding.~~

Project Duration: Land acquisition Phase will require 10 to 12 months. Planning, Design and Procurement Phases will require 10 to 12 months. Construction will require another 10 to 12 months. To minimize the impact of increasing land cost, the Land Acquisition Phase of this project should be scheduled at the start of the bond program.

Implementation Period: 1, 2, 3, 4, 5, 6

Project Management: ~~Pima County will manage the project. The City of Tucson will manage the project, pursuant to an intergovernmental agreement between the City of Tucson and Pima County. Pima County staff will provide technical assistance and support.~~

4.46 Wilmot Branch Library Replacement or Relocation

Location: The area bordered by Craycroft, Speedway, Kolb and Broadway; within the City of Tucson.

Scope: Design and construct renovations of the existing 19,000 square foot library. The renovations will maximize efficient use of existing space. Design and construct, as determined necessary, an addition to the existing library of up to 6,000 square feet. The building will house an expanded collection, state-of-the-art technology, information computer commons, large meeting room(s) and small study rooms, and a self-directed service check out. Library operations will be conducted from a temporary facility during renovation and construction. Some funds will be used for the acquisition of State Trust land adjacent to the Winston Reynolds-Manzanita District Park, ~~and expansion of the Eckstrom – Columbus Library.~~

Benefits: The current library was constructed in 1965 and is considered by many to be a seminal work by the renowned modernist architect Nicolas Sakellar. A design charette was conducted to determine the most cost-effective and efficient means of retaining the existing building and providing library services in the neighborhood. The charette proved that the existing space could be redesigned and modified to enhance efficiency and minimize the need for new construction. The remodeling and addition will enhance the Pima County Public Library's mission of supporting education, literacy, and lifelong learning throughout Pima County. This library serves customers from all of Pima County. The acquisition of land adjacent

to the Winston Reynolds-Manzanita District Park will provide access to the Manzanita Greenway, space to expand the Drexel Heights Community center and associated community center amenities including potential library services, space for sport fields, free play areas, trails, ramadas, and additional parking.

Cost: \$7,000,000, This amount will include design and construction of remodel and any addition, the expansion and enhancement of the existing collection and rent payments for a temporary facility.

Bond Funding: \$7,000,000

Other Funding: None.

Project Duration: Construction will begin in 2007 and be completed by ~~the end of 2009~~ **FY 2013/14.**

Implementation Period: 2, 3, 4, **5**

Project Management: The project will be managed by Pima County Facilities Management.

Future Operating and Maintenance Costs: Pima County Library District, a library district established pursuant to the laws of the State of Arizona, operates libraries throughout unincorporated Pima County and in most incorporated cities and towns in the County. Based on an intergovernmental agreement with the City of Tucson, the building will be conveyed by the City to the library district.

E. Question No. 5 - River Parks and Flood Control Improvements

b. Urban Drainage Infrastructure Program

5.2 Urban Drainage Infrastructure Program

Location:	City of Tucson	Town of Sahuarita
	Town of Oro Valley	Green Valley
	Town of Marana	Ajo

Scope: Evaluate, design, and construct drainage improvements that protect public safety through a combination of nonstructural and structural improvements that provide flood and erosion control. Develop solutions to urban areas that have experienced repetitive flooding in residential and commercial areas. Projects will be prioritized by flood damage reduction potential after evaluation, based on a fixed set of criteria, and a recommendation from the Flood Control District Advisory Committee and approval by the Board of Supervisors (Directors of the Flood Control District). Potential projects are discussed below.

City of Tucson: Storm drain and flood control improvements for urban tributaries to the Rillito River including improvements to drainage from Columbus Wash, Mountain Wash, Christmas Wash and Flowing Wells Wash. Storm drain and flood control improvements for the mid-town and urban core including High School Wash, Arroyo Chico (Rosemont to Alvernon), Nebraska Wash and Naylor Wash. Floodplains associated with these tributaries include a significant number of residences and businesses that may be subject to flood damages. Sufficient funding will not be available to cover all of the needs.

Town of Oro Valley: Flood control improvement to tributaries to the Cañada del Oro Wash including Highland Wash, flooding behind the Oro Valley flood control levee in Oro Valley Estates, and Pistachio Wash.

Town of Marana: Assistance to the Town of Marana in development of the Barnett Floodway Channel which will serve as a conveyance system to move floodwaters from the Tortolita Mountains to the Santa Cruz River to remove existing residential areas and schools from flood hazards.

Town of Sahuarita: Improvements to convey tributary drainage to the Santa Cruz River along La Villita Road by a combination of improvements and property acquisition to prevent flooding in existing residential areas along La Villita.

Green Valley: Drainage improvements to control flooding and erosion along Drainageways 1, 3, 6, 9, and 13, which have experienced erosion problems downstream of La Cañada Drive and Interstate 19. For Drainageway 9, flood and erosion protection is needed adjacent to and south of Esperanza Estates.

Ajo: Flood Control to reduce flooding along Gibson Arroyo and other tributaries, especially at the Second Avenue culvert crossing. Provide stormwater detention, channel improvements and culvert improvements.

Benefits: Alleviate chronic flooding, protect residential and commercial development adjacent to river courses, and safeguard flood protection benefits provided by existing flood control facilities. Flood control improvements along major watercourses has removed the threat of flooding from the major rivers; however, residences and businesses remain subject to flood damage and are within federal floodplain hazard zones from tributary washes. This program would address flood hazards from these tributary washes.

Cost: ~~\$10,332,739 \$8,281,000, with Administration being \$6,000, Construction being \$5,970,000, Design being \$920,000, Planning being \$210,000, Public Art being \$85,000, Right-of-Way being \$830,000, and Utility Relocation being \$260,000.~~

Bond Funding: \$ 8,281,000

Other Funding: ~~\$2,051,739 County Flood Control District Tax Levy Revenue. None identified at this time. The magnitude of urban drainage needs far exceeds the amount of bond funding available. Pima County and the participating jurisdictions will work cooperatively to identify and secure additional funding, which could include federal and state assistance, contributions from benefitting private interests, as well as appropriations from the County Flood Control District tax levy or appropriations for the benefitting jurisdictions.~~

Project Duration: The estimated time to complete all projects throughout Pima County is twelve years. Individual projects are estimated to take an average of 36 to 48 months to complete.

Implementation Period: 1, 2, 3, 4, 5, 6

Project Management: Varies. Local jurisdictions will manage projects. Pima County will manage projects within unincorporated areas.

Future Operating and Maintenance Costs: Varies by project. Typical annual costs for detention basins are \$10,000 per year per 10 acres of basin; channels are \$25,000 per mile, and storm drains are generally \$10,000 per mile.

AS AMENDED by the Board of Supervisors of Pima County, Arizona, on this ____ day of _____, 2011.

Chair, Pima County Board of Supervisors

Attest:

Reviewed by:

Clerk, Pima County Board of Supervisors

Pima County Administrator

Approved as to Form:

Civil Deputy County Attorney