

**Report and Recommendations on Amending County Bond Ordinances  
County Bond Advisory Committee, September 28, 2007**

Ordinance No. 2007 - \_\_\_\_\_, Amending Ordinance No. 1997-35, the Bond Improvement Plan for the May 20, 1997 Special Bond Election (as amended by Ordinance No. 1998-58, adopted September 22, 1998, Ordinance No. 2001-111, adopted August 20, 2001, Ordinance No. 2004-15, adopted March 9, 2004, Ordinance No. 2005-91, adopted October 11, 2005, Ordinance No. 2006-19, adopted April 4, 2006, Ordinance No. 2006-82, adopted October 17, 2006, and Ordinance No. 2007-32, adopted April 10, 2007).

Ordinance No. 2007 - \_\_\_\_\_, Amending Ordinance No. 1997-80, the Bond Improvement Plan for the November 4, 1997 Special Bond Election (as amended by Ordinance No. 1998-59, adopted September 22, 1998, Ordinance No. 2001-112, adopted August 20, 2001, Ordinance No. 2004-118, adopted December 14, 2004, Ordinance No. 2005-90, adopted October 11, 2005, Ordinance No. 2006-20, adopted April 4, 2006, and Ordinance No. 2006-83, adopted October 17, 2006).

Ordinance No. 2007 - \_\_\_\_\_, Amending Ordinance No. 2004-18, the Bond Implementation Plan for the May 18, 2004 Special Bond Election (as amended by Ordinance No. 2005-92, adopted October 11, 2005, Ordinance No. 2006-21, adopted April 4, 2006, Ordinance No. 2006-84, adopted October 17, 2006, and Ordinance No. 2007-33, adopted April 10, 2007).

**I. Background**

The County is currently implementing several bond programs: the May 20, 1997 General Obligation Bond and Sewer Revenue Bond programs, the November 4, 1997 Highway User Revenue Fund (HURF)/Transportation Bond Program, the May 18, 2004 General Obligation Bond and Sewer Revenue Bond programs, 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 advanced 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 Bond Program, 6 projects from the November 4, 1997 HURF program, and 10 projects from the May 18, 2004 General Obligation Bond Program. This is the eighth round of amendments for the May 20, 1997 General Obligation Bond Program, the seventh round of amendments to November 4, 1997 HURF program, and the fifth round of amendments to the May 18, 2004 General Obligation Bond Program. The recommended amendments affect the following projects:

**1997 GO**

P-51	Lawrence Community Center
CA-31	Tumamoc Hill
CA-33	Valencia Site
SD-05	Tortolita Mountain Park
L-4	Marana Library Expansion

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1997 HURF

DOT-17	Valencia Road: Mark Road to Camino de la Tierra
DOT-18	Cortaro Farms Road, Union Pacific Crossing to Thornydale Road
DOT-24	Mainsail Boulevard and Twin Lakes Drive, Twenty-Seven Wash Vicinity
DOT-25	Interstate 19 Southbound Frontage Road at Continental Road
DOT-47	Sunrise Drive, Craycroft Road to Kolb Road
DOT-50	Kinney Road, Ajo Way to Bopp Road

2004 GO & Sewer

FM 2.6	Green Valley Performing Arts Center Phase 2
FM 2.8	Amado Food Bank Kitchen
CR 4.05	Helvitia Townsite Acquisition
CR 4.08	Marana Mound Community Site
CR 4.13	Valencia Site Preservation
PR 4.20	Lighting of Existing and New Sports Fields
PR 4.23	Dan Felix Memorial Park
FM 4.44	Marana Continental Ranch New Library
SS 6.02	Miscellaneous Conveyance rehabilitation Projects
SS 6.07	Ina Road WPCF - Denitrification

This report summarizes the ordinance amendment requirements of the Truth in Bonding Code and summarizes the recommended amendments by project. The three ordinances containing the recommended amendments, shown in legislative style, are attached.

**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 improvement 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 Improvement Plan presented to the voters, at the time of a bond election, Section 3.06.070 authorizes the Board to amend Bond Improvement 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

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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 must review and make recommendations to the Board of Supervisors regarding all proposed bond ordinance amendments. The Conservation Acquisition Commission must review and make recommendations to the Board of Supervisors and the Bond Advisory Committee regarding proposed amendments to the open space bond program. The Conservation Acquisition Commission approved the amendment impacting the 1997 Open Space Bond Program, project SD-05 Tortolita Mountain Park, at their September 13, 2007 meeting.

**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 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 two bond ordinances.

A brief description of the recommended ordinance amendments for each project is presented below.

**A. Recommendations for Ordinance Amendments Relative to the 1997 General Obligation Program**

**Project: P-51, Lawrence Community Center**

This ordinance amendment would change the scope of the project from the full development of a community center, to the development of construction documents for construction of a full community center at a later date, as well as construction at this time of utilities, access and parking for the preparation for a future community center. The ordinance amendment would also add implementation period 6, Fiscal Year 2007/08 to 2008/09, to allow for additional time to complete the project as proposed.

**Projects: CA-31, Tumamoc Hill  
Projects: CA-33, Valencia Site**

This bond ordinance amendment would increase bond funds for CA-31 Tumamoc Hill from

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\$400,000 to \$1,249,392, and would retire CA-33 Valencia Site decreasing bond funding from \$900,000 to \$50,608, which is the amount spent. Both projects involve the acquisition of State Trust land. The County would like to pursue the acquisition of 320 acres within Tumamoc Hill at open auction as soon as possible, to take advantage of available Growing Smarter State matching funds. However, it is estimated that the appraised value of the 320-acre Tumamoc Hill property has increased substantially since original estimates. Therefore, the remaining funds from CA-33 are proposed to be transferred to CA-31 Tumamoc Hill. Additional funding for the acquisition of Tumamoc Hill in the amount of \$1.4 million was also included in 1997 open space bond program, SD-10 Tumamoc Hill. An ordinance amendment, detailed below, to several 2004 cultural resources bond projects (CR 4.05, Helvetia Townsite Acquisition, CR 4.08 Marana Mound Community Site, and CR 4.13 Valencia Site Preservation) will provide an additional \$1.5 million for the acquisition of Tumamoc Hill.

**Project: SD-05, Tortolita Mountain Park**

This proposed bond ordinance amendment would add 86 privately owned parcels of land totaling 1,360 acres to SD-05 Tortolita Mountain Park, making them eligible for purchase under the 1997 bond program. These parcels are located northwest of Tucson. Because of the many constraints to completing acquisitions in this area of the County, including a majority of the eligible land being State Trust land, and a lack of willing sellers for the limited private parcels, \$1.5 million remains in project SD-05. The addition of these privately owned parcels should provide the County with more opportunities for conservation, and an opportunity to complete this project.

**Project: L-4, Marana Library Expansion**

This ordinance amendment would add implementation period 5 and 6, Fiscal Year 2005/06 to 2008/09, to allow for more time to complete the project. The project was delayed waiting for the contiguous space to be vacated by the Sheriff's Department. The project is currently under design, with construction scheduled November 2007 through April 2008.

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

**Project: DOT-17, Valencia Road: Mark Road to Camino de la Tierra**

The ordinance amendment will increase other funding from \$1,000,000 to \$15,298,000. Increased costs are due to the significant growth in construction costs since the original budget was estimated in 1997. Construction is currently in progress, and is scheduled to be completed by Fiscal Year 2008/09.

**Project: DOT-18, Cortaro Farms Road, Union Pacific Crossing to Thornydale Road**

The ordinance amendment will increase bond funding from \$8,200,000 to \$10,644,000, and other funding from \$6,500,000 to \$19,391,000, to complete the County portion of this project. The additional bond funds would be allocated from bond funding that is now available as a result of RTA funds now allocated to projects previously included in the 1997 HURF program, and as a result of other funding being used in place of bond funding for certain projects. The ordinance amendment will also add implementation periods 6 and 7, Fiscal Year 2008/09 to 2011/12. Phase 1 of the project is substantially complete, and Phase 2 is scheduled for Fiscal Year 2011/12.

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**Project: DOT-24, Mainsail Boulevard and Twin Lakes Drive, Twenty-Seven Wash Vicinity**

The ordinance amendment will defer the project until implementation period 8, Fiscal Year 2012/13 to 2013/14. Various factors including site conditions, governing codes, County standards, and construction costs have changed since this project was initially conceived. The County's Department of Transportation is currently evaluating the scope of the project to re-confirm the need for the project, determine the appropriate improvements, and develop an updated cost estimate.

**Project: DOT-25, Interstate 19 Southbound Frontage Road at Continental Road**

The ordinance amendment will increase other funding from \$500,000 to \$2,146,811 to cover the additional construction costs. Increased costs are due to the significant growth in construction costs since the original budget was estimated in 1997. The project has been completed.

**Project: DOT-47, Sunrise Drive, Craycroft Road to Kolb Road**

The ordinance amendment will increase bond funding from \$12,000,000 to \$23,322,000, decrease other funding from \$1,000,000 to zero, and add implementation periods 6 and 7, Fiscal Year 2008/09 to 2011/12. Project cost increases and funding shortfalls have caused this project to be deferred. The project is currently in the preliminary design stages and the current schedule for construction is early Fiscal Year 2008/09 and complete in Fiscal Year 2009/10. The additional bond funds would be allocated from bond funding that is now available as a result of RTA funds now allocated to projects previously included in the 1997 HURF program, and as a result of other funding being used in place of bond funding for certain projects.

**Project: DOT-50, Kinney Road, Ajo Way to Bopp Road**

The ordinance amendment will increase other funding from \$200,000 to \$9,863,000, and add implementation periods 5 and 6, Fiscal Year 2006/07 to 2009/10. The schedule is now being driven by the County's desire to work with a national developer and the Arizona Department of Transportation who will be contributing to the roadway and intersection improvements. The project is currently in the design stages and is scheduled for construction for this Fiscal Year and complete in Fiscal Year 2008/09.

**C. Recommendations for Ordinance Amendments Relative to the 2004 General Obligation & Sewer Bond Revenue Program**

**Project: FM 2.6 Green Valley Performing Arts Center Phase 2**

This ordinance amendment would reduce other funding from \$8,000,000 to zero, therefore reducing the overall cost of the project from \$12,000,000 to \$4,000,000, and reducing the scope of the project by deleting the 500-seat theater and stage house, and reducing the size of improvements from 35,000 square feet to 11,000 square feet. The reduction in scope and other funding is due to the fact that private fundraising did not materialize. The auditorium portion of the project is being proposed for a future bond election. The project is currently being bid for construction.

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**Project: FM 2.8 Amado Food Bank Kitchen**

This ordinance amendment would increase other funding from \$180,000 to \$281,000, therefore increasing the total project cost from \$300,000 to \$581,000. This provided enough funding to complete the shell of the kitchen, and the County is currently working with the Community Food Bank to complete the interior and kitchen equipment.

**Project: CR 4.05 Helvetia Townsite Acquisition**

**Project: CR 4.08 Marana Mound Community Site**

**Project: CR 4.13 Valencia Site Preservation**

This ordinance amendment would decrease bond funding for CR 4.05 Helvetia Townsite Acquisition from \$100,000 to \$2,926, retiring the project, decrease bond funding for CR 4.08 Marana Mound Community Site from \$2,000,000 to \$700,000, change CR 4.13 Valencia Site Preservation to the acquisition of Tumamoc Hill, and increase funding for CR 4.13 from \$100,000 to \$1,337,074. Funds would be transferred to CR 4.13 for the acquisition of 320 acres of State Trust Land at Tumamoc Hill. The Helvetia Townsite is now owned by Augusta Resource Corporation who is proposing the development of the Rosemont mine on adjacent private and Forest Service lands, and is not currently available for purchase. The Marana Mound Community Site is located mostly on State Trust land, which is only available for purchase at competitive open auction. A portion of the Marana Mound Site located on adjacent privately owned land is currently being donated to the County, and there will be some expenditures necessary for completion of the donation. Valencia Site is also located on State Trust land and is also only available for purchase at competitive open auction. The County would like to pursue the acquisition of 320 acres within Tumamoc Hill at open auction as soon as possible, to take advantage of available Growing Smarter State matching funds. However, it is estimated that the appraised value of the 320-acre Tumamoc Hill property has increased substantially since original estimates. Additional funding is also proposed to come from the 1997 open space bond program and the 1997 cultural resources bond program.

**Project: PR 4.20 Lighting of Existing and New Sports Fields**

**Project: PR 4.23 Dan Felix Memorial Park**

This ordinance amendment amends the scope of PR 4.20 Lighting of Existing and New Sports Fields to add as eligible projects, the County's SportsPark facility and Brandi Fenton Memorial Park. The ordinance amendment also increases the bond funding for PR 4.20 Lighting of Existing and New Sports Fields from \$3 million to \$3.6 million, and other funding from zero to \$328,643. In order to make this possible, this ordinance amendment also decreases bond funding for PR 4.23 Dan Felix Memorial Park by \$600,000, from \$1.35 million to \$750,000. The \$328,643 in other funding comes from the following 1997 Park related bond projects that have been completed: P-54, Kino Community Education and Resource Center; P-09, James Kriegh Park; P-42, Flowing Wells; P-33, Rillito Park at River Bend; and P-23, Lawrence District Park. A statement regarding the use of solar lighting when feasible, is also added to PR 4.20.

Sportspark is a County-owned softball facility located west of Interstate 10 at Ina Road. The facility was under lease to a for-profit company who operated the park for youth and adult softball. The lease has been terminated for failure to pay rent by notice sent by the County in July 2007. On September 18, 2007, the Board of Supervisors authorized the County to assume operation of the facility as of October 1, 2007, and to continue operation of the facility as a public park. At that

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same meeting, the Board requested that the Bond Advisory Committee consider appropriate bond ordinance amendments to provide \$1.5 million for funding the replacement of substandard sports field lighting at Sportspark, and to provide \$400,000 for funding new lighting to expand the use of up to three soccer fields at Brandi Fenton Memorial Park. This ordinance amendment would meet these Board requests.

All of the eligible projects listed under PR 4.20 Lighting of Existing and New Sports Fields, including the proposed Sportspark lighting and Brandi Fenton Memorial Park lighting, are either completed or can be completed with the addition of the \$600,000 from Dan Felix Memorial Park, and the addition of the \$328,643 from completed 1997 bond projects. With the exception of one basketball court rather than 2, the scope for PR 4.23 Dan Felix Memorial Park can be completed, with a balance of \$600,000 available.

**Project: FM 4.44 Marana Continental Ranch New Library**

Due to increased library demand in this area, this ordinance amendment would increase the scope of the project from a 15,000 square foot library to a 20,000 square foot library, and increase other funding from none to \$1,895,000, which in turn increases the total cost of the project from \$5,500,000 to \$6,395,000. The Library District and the Town of Marana are providing the additional funding. The library is scheduled to be complete by April 2008.

**Project: SS 6.02 Miscellaneous Conveyance Rehabilitation Projects**

This ordinance amendment would add the Carrillo Neighborhood to the list of eligible sewer rehabilitation projects. The project was recently completed.

**Project: SS 6.07 Ina Road WPCF – Denitrification**

This ordinance amendment would change the location, scope, benefits, and name of the project, to incorporate the findings and recommendations of the Regional Optimization Master Plan (ROMP). The Committee and the Board have been briefed on the regulatory requirement to reduce nitrogen ammonia levels, the consequences of not complying, and the costs to comply. The County developed the ROMP to plan for meeting these regulatory requirements and meeting the needs of long-term demand for wastewater treatment. The cost of the plan will need to be funded from the 2004 bond program and future bond programs. The Board of Supervisors approved the ROMP on January 16, 2007. This ordinance amendment modifies this project to comply with the ROMP.

ORDINANCE NUMBER 2007-\_\_

**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; AND APRIL 10, 2007 BY ORDINANCE NUMBER 2007-32) 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 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 2004-14, 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 and on April 10, 2007 by Ordinance No. 2007-32 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 amended by Ordinance No. 1998-58, Ordinance No. 2001-111, Ordinance No. 2004-15, Ordinance No. 2005-91, Ordinance No. 2006-19, Ordinance No. 2006-82, and Ordinance No. 2007-32) 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 amended by Ordinance Number 1998-58, Ordinance Number 2001-111, Ordinance Number 2004-15, Ordinance Number 2005-91, Ordinance Number 2006-19, Ordinance Number 2006-82 and Ordinance Number 2007-32), is hereby amended as follows:

**Bond Improvement Plan  
May 20, 1997 Special Election**

**C. Question No. 3 - Parks**

**51) Project P-51 -- Lawrence Community Center Lawrence Park Infrastructure Improvements**

Location: 6855 South Mark Road  
 Bond Funding: \$680,000  
 Scope: ~~Work consists of development of a new community center building within an existing district park property, including meeting and programming rooms, access, parking, landscaping, and benches.~~  
Work consists of development of construction documents for a new community center building within an existing district park property to be built at a later time with other funding. The center will include meeting and programming rooms, access, parking, landscaping, and benches. Infrastructure for the future community center including utilities, access, and parking will be constructed at this time.  
 Benefit: Community center recreation and programming classes-  
 Other Funding: \$0  
 Implementation Period: 4 6  
 Future Operating & Maintenance Costs: \$334,000

**D. Question No. 4 - Sonoran Desert Open Space and Historic Preservation**

**5) Project SD-5 -- Tortolita Mountain Park**

Location: Northwest  
 Bond Funding: \$5,196,397  
 Scope: Land acquisition - 1000 or more acres to be acquired, plus road right-of-way. Land acquisition includes upper watersheds for Ruelas and Wild Burro Canyons plus right-of-way access and expansion of natural resource areas along the current eastern boundary of the park, and conservation of a 9-acre parcel northwest of Arthur Pack Park.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
219-01-001E	3	11 S	13 E	RH
219-01-001F	4	11 S	13 E	RH
219-01-001B	5	11 S	13 E	RH
219-01-008D	10	11 S	13 E	RH
Parcel 36	10 S	12 E		State lands
numbers not assigned	31	10 S	13 E	within Pinal County
	32 (west 2)	10 S	13 E	
219-07-0010, 0020,0030	17	11S	13E	

Carpenter Ranch	35	10S	12E	
Arizona Preserve Initiative #1, Tortolita Mountain Park and Tortolita East Biological Corridor.				
216-30-019B	13	12S	12E	SR
216-04-0200	1	12S	12E	SR
216-24-0090	12	12S	12E	Marana
216-24-0070	12	12S	12E	Marana

Additional parcels listed in Appendix A.

Benefit: Protection of the Sonoran Desert.  
Other Funding: To be determined; Growing Smarter matching funds; or other sources to be determined.  
Implementation Period: 2, 3, 4, 5  
Future Operating & Maintenance Costs: Minimal

**32) Project**

**CA-31 -- Tumamoc Hill**

Location: West slope of Tumamoc Hill in the vicinity of "A" Mountain  
Bond Funding: ~~\$400,000~~ \$1,249,392  
Scope: Tumamoc Hill and the Desert Laboratory have unique and significant value as open space that is critically important to the citizens of Pima County. The 320 acres on the west slope of Tumamoc Hill has been an integral part of the 869-acre Tumamoc Hill Preserve, which has been in continuous use as an ecological research facility since 1903. This site is currently owned by the Arizona State Land Department and may be endangered by future sale and inappropriate development. Acquisition of this parcel is planned.  
Benefit: Preservation of this important landmark as undisturbed natural open space, to retain this site as a focal point in the community, and to preserve its natural and cultural values for future public benefit.  
Other Funding: \$0  
Implementation Period: 3, 4, 5  
Future Operating & Maintenance Costs: Minimal

**34) Project**

**CA-33 -- Valencia Site**

Location: Valencia Road at the Santa Cruz River, Tucson  
Bond Funding: ~~\$900,000~~ \$50,608  
Scope: The Valencia Site comprising some 80 acres in the vicinity of Valencia Road and the Santa Cruz River is considered a highly significant Hohokam ball court village site that is listed on the National Register of Historic Places. The core area of the site is owned by the Arizona State Land Department and remains essentially intact although possibly threatened by future sale and development. It is the southernmost of two ball court villages that remain largely undisturbed in the Tucson metropolitan area. Acquisition of the core of the Valencia Site that contains the ball court and intensive village occupation and creation of the Valencia Site Archaeological Park

encompassing some 80 acres of the Hohokam and Archaic village area are planned. This project was retired and the Bond Funding reallocated to project CA-31 Tumamoc Hill.

Benefit: The project will permit preservation and protection of an archaeological site and creation of an archaeological park for public enjoyment and interpretation and education.

Other Funding: \$0

Implementation Period: 2, 3, 4 On-Hold

Future Operating &

Maintenance Costs: Minimal

**E. Question No. 5 - Public Health, Safety, Recreational, and Cultural Facilities**

**4) Project**

**L-4 -- Marana Library Expansion**

Location: Existing Marana Library Site 13370 North Lon Adams Road

Bond Funding: \$100,000

Scope: Funds for refurbishing and upgrading the existing Marana Branch Library, including improving the present parking lot, rewiring the facility to accommodate new library technologies, and selected interior upgrades to improve services for youth.

Benefit: This site will provide increased program capability for extended library and outreach to rural youth.

Other Funding: \$0

Implementation Period: 4, 5, 6

Future Operating &

Maintenance Costs: Minimal

## Appendix A

### Question No. 4 – Sonoran Desert Open Space and Historic Preservation Project SD-05 -- Tortolita Mountain Park Additional Eligible Parcels

218440260	22533048E
21844056B	22533048B
21844067C	22114002N
219310110	22114002M
21844067A	22114002K
219340010	22114002L
219340020	22533048D
219340070	22533048C
219340080	225330510
219350030	22533048F
224110420	22114009A
224110430	22533053B
216030010	22533053A
216030020	221130130
224110410	22533054B
22411049A	22533054A
216030030	22114006E
216030040	221130120
224110440	22114007E
216040200	22114007D
216240070	22114015A
216240090	22114013B
22420001B	22533055B
224150010	22533055A
224210030	22533057D
224210020	225330560
224210040	221130110
224210050	22114006F
22601009K	22533057C
22601009K	22533057B
22423001A	22113009B
216340680	22113009C
216340670	22114006L
216340660	22113010A
221060020	221140160
221060100	22114017G
22106032A	22533058J
221060260	22533058F
22114002F	22114018A
221140100	22114017H
22114011B	22533058H
221190040	22116029B
221190050	22533059K

**AS AMENDED by the Board of Supervisors of Pima County, Arizona, this \_\_\_\_ day  
of \_\_\_\_\_, 2007.**

\_\_\_\_\_  
Chairman, Board of Supervisors

Attest:

Reviewed by:

\_\_\_\_\_  
Clerk, Board of Supervisors

\_\_\_\_\_  
County Administrator

Approved as to Form:

\_\_\_\_\_  
Civil Deputy County Attorney

**ORDINANCE 2007- \_\_\_\_**

**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; AND OCTOBER 17, 2006 BY ORDINANCE NO. 2006-83), TO AMEND PROJECT SCOPES, IMPLEMENTATION PERIOD SCHEDULES, AND BOND AND OTHER FUND ALLOCATIONS FOR 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 1997-80, 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 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 amended by Ordinance Number 1998-59, Ordinance Number 2001-112, Ordinance Number 2004-118, Ordinance Number 2005-90, Ordinance Number 2006-20 and Ordinance Number 2006-83) 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 amended by Ordinance Number 1998-59, Ordinance Number 2001-112, Ordinance Number 2004-118, Ordinance Number 2005-90, Ordinance Number 2006-20, and Ordinance Number 2006-83) is hereby amended as follows:

**17) DOT-17 - Valencia Road: Mark Road to Camino de la Tierra**

Location: Unincorporated County

Bond Funding: \$5,800,000

Scope: This project will widen Valencia Road to increase capacity and enhance safety. The roadway will have four travel lanes, multi-use lanes and raised landscape median, storm drains, edge landscaping and provision for pedestrians.

Benefit: This project will reduce traffic congestion and enhance safety along Valencia Road. The estimated economic value of the improvements to traffic flow and reductions in accidents are \$32.65 million. The project benefit/cost ratio is 4.8.

Other Funding: ~~\$1,000,000 (1,000,000 Impact Fee Funds)~~ \$15,298,000 (\$11,866,000 Impact Fees, \$302,000 Tucson Water, \$3,130,000 Urban HURF)

Implementation Period: 4/5/6  
Future Annual Operating & Maintenance Costs: \$30,000

**18) DOT-18 - Cortaro Farms Road, Union Pacific Railroad Crossing to Thornydale Road**

Location: Unincorporated County, Marana

Bond Funding: ~~\$8,200,000~~ \$10,644,000

Scope: The proposed project consists of widening Cortaro Farms Road, adjusting the horizontal alignment at the railroad approach and correcting the grade over the railroad and the adjacent Cortaro-Marana Irrigation District canal. The project will have four traffic lanes, multi-use lanes, outside curbs, storm drains and landscaping. The median treatment will be either a raised landscape median or a median two-way left-turn lane, depending on further evaluation of local area access and circulation needs.

Benefit: The project will reduce traffic congestion and enhance safety along Cortaro Farms Road. The estimated economic value of the improvements to traffic flow and reductions in accidents are \$8.05 million. The benefit/cost ratio is 0.8.

Other Funding: ~~\$6,500,000 (800,000 Urban Area HURF, 5,700,000 County HURF, 47,000 Other)~~ \$19,391,000 (\$14,962,000 Urban HURF, \$4,384,000 Impact Fees, 45,000 Development Services)

Implementation Period: 1/2/3/4 6/7  
Future Annual Operating & Maintenance Costs: \$36,000

**24) DOT-24 - Mainsail Boulevard and Twin Lakes Drive, Twenty-Seven Wash Vicinity**

Location: Unincorporated County (Catalina)

Bond Funding: \$2,700,000

Scope: The proposed improvements include construction of Mainsail Boulevard as a two-lane road across Twenty-seven Wash between Oracle Highway and Twin Lakes Drive/Forecastle Avenue. The extension of Twin Lakes north of Mainsail to Tortolita Street will also be considered as part of this project. The improvements will consist of a two-lane roadway and box culvert structure to carry the wash under the road. Proposed improvements will provide improved all-weather access to Catalina and will provide alternatives to residential streets for access from existing neighborhoods out to Oracle Highway.

Benefit: The project benefits include revision of connections in the collector street system in Catalina per the Lago del Oro Plan and provision of all-weather access for major portions of the community. The new connections will allow traffic to divert from local neighborhood streets to the collector roadway system. The project will also improve response for emergency vehicles.

Other Funding: None Proposed

Implementation Period:  $\frac{3}{4}$  8

Future Annual Operating & Maintenance Costs: \$21,000

**25) DOT-25 - Interstate 19 Southbound Frontage Road at Continental Road**

Location: Unincorporated County (Green Valley) (ADOT right-of-way)

Bond Funding: \$1,000,000

Scope: The project will realign the southbound Frontage Road to connect with the recently improved intersection of Continental Road at Continental Plaza. The project will separate the southbound on and off ramps at I-19 from the Frontage Road intersection to improve safety and allow for future signalization of the ramp intersections. The project will consist of construction of a new two-lane road south of Continental Road on new alignment to connect with the existing Frontage Road. Provision for the connection was included in the design and construction of the traffic signal at Continental Plaza.

Benefit: This project will reduce congestion and improve safety by providing the signalized access between the Frontage Road and Continental Road. The increased separation will provide for better operation of the interchange intersections with Continental Road and will reduce the number of traffic

signals that would have to be installed along Continental Road in the future as traffic volumes in this area of Green Valley increase.

Other Funding: ~~\$500,000~~ \$2,146,811 (\$1,217,445 Impact Fees, \$329,366 County HURF, \$600,000 State of Arizona)

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

Future Annual Operating & Maintenance Costs: \$4,500

**47) DOT-47 - Sunrise Drive, Craycroft Road to Kolb Road**

Location: Unincorporated County

Bond Funding: ~~\$12,000,000~~ \$23,322,000

Scope: The project will widen Sunrise Drive to four lanes with multi-use lanes, drainage improvements, landscaping and neighborhood screening and noise mitigation as required. The median treatment will be a raised landscape median or a median two-way left-turn lane pending further evaluation of local area access and circulation requirements. The proposed project is intended to retain the existing outer limits of the cut and fill slopes along Sunrise Drive, therefore will incorporate structural retaining walls as necessary. Needed revisions or improvements to transverse drainage will be included with the project.

Benefit: The project will reduce congestion and enhance safety along Sunrise Drive. The estimated economic value of the improvements to traffic flow and reductions in accidents are \$41.84 million. The benefit/cost ratio is 3.2.

Other Funding: ~~\$1,000,000 (Urban Area HURF)~~ \$0

Implementation Period: ~~3/4~~ 6/7

Future Annual Operating & Maintenance Costs: \$31,500

**50) DOT-50 - Kinney Road, Ajo Way to Bopp Road**

Location: Unincorporated County

Bond Funding: \$3,800,000

Scope: The project will widen Kinney Road to four lanes with improved shoulders, roadside drainage and landscaping. The median treatment will be either a raised landscape median or a two-way median left-turn lane pending further evaluation of local area access and circulation requirements.

Benefit: The project will reduce congestion and enhance safety along Kinney Road. The estimated economic value of the improvements to traffic flow and reductions in accidents are \$4.81 million. The benefit/cost ratio is 1.2:1.



**AS AMENDED by the Board of Supervisors of Pima County, Arizona, this \_\_\_\_ day of \_\_\_\_\_, 2007.**

\_\_\_\_\_  
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

**ORDINANCE NO. 2007 - \_\_\_\_**

**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) 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 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 amending Ordinance Number 2004-18 in compliance with provisions of Chapter 3.06; and

**WHEREAS**, the Board of Supervisors desires to amend Ordinance Number 2004-18 (as amended by Ordinance Number 2005-92, Ordinance Number 2006-21, Ordinance Number 2006-84 and Ordinance Number 2007-33) 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 amended by Ordinance Number 2005-92, Ordinance Number 2006-21, Ordinance Number 2006-84 and Ordinance Number 2007-33), is hereby amended as follows:

**Bond Implementation Plan  
May 18, 2004 Special Election**

**Question No. 2 - Public Health and Community Facilities**

**2.6 Green Valley Performing Arts Center Phase 2**

**Location:** 1250 West Continental Road, Green Valley, Arizona

**Scope:** Construct a multimedia performing arts facility for musical theater, dance, drama and other fine arts uses. The facility will be approximately ~~32,000~~ 11,000 square feet in area and will include a ~~500-seat theater, stage house,~~ a 150-seat multipurpose performance studio, visual arts gallery, lobby, and concessions, dressing rooms, and other support spaces. The facility is to be designed with superior acoustics and appropriate spaces that meet the needs of an aging population.

Phase One, built with Pima County 1997 General Obligation Bonds and Pima Community College General Obligation Bonds has recently been completed. It includes a Pima College Community Learning Center and one rehearsal and performance studio for community use.

**Benefits:** This new facility will be the only performing arts building in southern Pima County to have a theater quality auditorium to enhance the quality of life for the residents of southern Pima County, including residents of Sahuarita

**Cost:** ~~\$12,000,000, with Planning/Design being \$1,140,000, Construction being \$10,704,000, and Other being \$156,000.~~ \$4,000,000

**Bond Funding:** \$4,000,000

**Other Funding:** ~~\$8,000,000 -- private funding that is being raised. If private fund raising is not successful, the County can amend the Bond Implementation Plan to revise the scope to fit the Bond and private funding available.~~ None.

**Project Duration:** Planning at 20 to 22 months, Design at 13 to 15 months, and Construction at 21 to 24 months.

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

**Project Management:** Pima County Facilities Management

**Future Operating and Maintenance Costs:** To be determined during the course of design since the scope of the project is contingent on the level of private funding secured. Pima County and Pima College will execute an intergovernmental agreement establishing responsibilities for operation and maintenance of the joint Performing Arts Center and Adult Education Center. Funding for operations and maintenance of the Performing Arts Center could come in part from revenues generated by use of the facility.

## **2.8 Amado Food Bank Kitchen**

**Location:** 28720 South Nogales Highway, Sopori, Arizona

**Scope:** Construct an addition to the Amado Food Bank. This addition will be approximately 3,800 square feet in area and will provide a commercial kitchen, multipurpose rooms for dining, meetings, programs and other community uses as well as public restrooms. This project is the second phase of development planned for this facility. Phase One, consisting of the food bank distribution facility, was constructed in 2001. Design for Phase Two has been completed.

**Benefits:** This addition will allow the food bank to expand its services to include preparation and distribution of meals to its clients. This facility will also provide space for a variety of community programming. This project will benefit lower income residents of southern Pima County, in the Lakeside – Sopori - Amado area.

**Cost:** ~~\$300,000~~ \$581,000

**Bond Funding:** \$300,000

**Other Funding:** ~~\$180,000~~ \$281,000 (Community Food Bank)

**Project Duration:** Planning at 6 to 8 months, Design at 7 to 9 months, and Construction at 15 to 18 months.

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

**Project Management:** Pima County Facilities Management

**Future Operating and Maintenance Costs:** Minimal for the County since the facility will be operated by a nonprofit food bank.

## **Question No. 4 - Parks and Recreational Facilities**

### **4.5 Helvetia Townsite Acquisition**

**Location:** Unincorporated Pima County, north side of the Santa Rita Mountains

**Scope:** Purchase of 23.4 acres on two parcels of private land containing the remains of the historic Helvetia Townsite, now a ghost town.

**Benefits:** Helvetia, located in the copper rich Santa Rita Mountains, was a mining community formed during the 1880s and 1890s after several large copper mining claims were developed. Mining continued until 1911 when low copper prices lead to a shut down, although sporadic mining continued through both the First and Second World Wars. Mining was permanently halted in 1949. At its peak in the late 19th Century, the community contained approximately 300 people, and the town was comprised of an assortment of saloons and stores, a school, and a stage line. Today, all that remains of this once successful frontier era mining town are ruined adobe buildings and a cemetery marking where the town had been. This property is potentially developable and thus the Helvetia Townsite may be threatened in the future by development or

lot splitting. Acquisition of this important cultural resource will ensure its protection and enable its use by all Pima County residents and visitors for recreational uses and future research, education, public interpretation, and heritage tourism. This project was retired and the Bond Funding reallocated to project 4.13 Tumamoc Hill Acquisition.

**Costs:** ~~\$100,000, with Planning at \$5,000, Land acquisition at \$92,500, and Other at \$2,500.~~  
\$2,926

**Bond Funding:** ~~\$100,000~~ \$2,926

**Other Funding:** None identified at this time

**Project Duration:** Planning at 1 to 3 months and Land acquisition at 15 to 18 months.

**Implementation Period:** 1, 2, 3

**Project Management:** Pima County Cultural Resources and Historic Preservation Office/Pima County Natural Resources, Parks and Recreation

**Future Operating and Maintenance Costs:** None

#### 4.8 Marana Mound Community Site

**Location:** The portion of the Marana Mound Community located largely west of the CAP Canal and east of Interstate 10.

**Scope:** Purchase of prehistoric archaeological sites, most notably the Marana Platform Mound site that is the major site within the Marana Mound community, all of which is threatened by development.

**Benefits:** This project will preserve and protect extremely significant Hohokam archaeological sites from impending development. The Marana Mound Community consists of several large Hohokam village sites dating from AD 1150 to 1300, a late period of Hohokam occupation and land use, that covers more than 50 square miles. This community represents the height of population and organizational complexity in the area. Sites in the Marana Mound Community have a wide functional range: a platform mound ceremonial and residential center, walled adobe residential compounds, hillside terrace sites, and a variety of agricultural fields and features that include extensive rock pile fields used for agave production and a six mile long canal from Los Morteros. This acquisition is focused on the platform mound ceremonial center, which is located primarily on State Trust lands and partly on private lands in an area of rapid urban growth. The State lands are designated for commercial development. This project will benefit all residents of Pima County and visitors.

**Costs:** ~~\$2,000,000, with Planning being \$16,000, Land acquisition being \$1,958,000, and Other being \$26,000.~~ \$700,000

**Bond Funding:** ~~\$2,000,000~~ \$700,000

**Other Funding:** None identified at this time

**Project Duration:** Planning at 12 to 18 months and Land acquisition at 27 to 36 months.

**Implementation Period:** 1, 2, 3

**Project Management:** Pima County Cultural Resources and Historic Preservation Office and Pima County Natural Resources, Parks and Recreation through an intergovernmental agreement with the Town of Marana.

**Future Operating and Maintenance Costs:** None

#### **4.13 ~~Valencia Site Preservation~~ Tumamoc Hill Acquisition**

**Location:** ~~North of Valencia Road on the west side of the Santa Cruz River, within the City of Tucson.~~ West slope of Tumamoc Hill in the vicinity of "A" Mountain.

**Scope:** ~~Boundary demarcation, preservation planning, and interpretation at the Valencia Hohokam archaeological site.~~ Tumamoc Hill and the Desert Laboratory have unique and significant value as open space that is critically important to the citizens of Pima County. The 320 acres on the west slope of Tumamoc Hill has been an integral part of the 869-acre Tumamoc Hill Preserve, which has been in continuous use as an ecological research facility since 1903. This site is currently owned by the Arizona State Land Department and may be endangered by future sale and inappropriate development. Acquisition of this parcel is planned.

**Benefits:** ~~This project will preserve, protect, and interpret the Valencia site, a large Hohokam village with a ballcourt, two plazas, hundreds of pithouses, and numerous human burials dating from AD 700 to 1200. The Valencia site is one of the two remaining undisturbed Hohokam villages in the Tucson metropolitan area that has not been impacted by development. The Valencia site is listed on the National Register of Historic Places, and it is considered an ancestral village site by the Tohono O'odham. As such, it has special cultural and spiritual significance to the people of the San Xavier District, who have monitored the site and consider it a traditional cultural place. Bond funds (CA-33) from 1997 provide funding for the purchase of this 67-acre parcel under the Arizona Preserve Initiative, a process expected to conclude in the fall of 2004. The project will protect the Valencia site, and will provide heritage education opportunities for the public. It is anticipated that the Valencia site will become a focal element of the Santa Cruz River Paseo de las Iglesias environmental and cultural corridor restoration, between Mission San Agustin del Tucson and Mission San Xavier del Bac. Preservation of this important landmark as undisturbed natural open space, to retain this site as a focal point in the community, and to preserve its natural and cultural values for future public benefit.~~

**Cost:** ~~\$100,000, with Planning/Design being \$21,000, Construction being \$74,500, and Other being \$4,500.~~ \$1,337,074

**Bond Funding:** \$100,000 \$1,337,074

**Other Funding:** None identified at this time

**Project Duration:** Planning at 11 to 15 months, Design at 12 to 24 months, and Construction at 6 to 15 months.

**Implementation Period:** 1, 2, 3

**Project Management:** Pima County Cultural Resources and Historic Preservation Office/Facilities Management, and Natural Resources, Parks and Recreation, ~~and a possible intergovernmental agreement with the Tohono O'odham San Xavier District.~~

**Future Operating and Maintenance Costs:** ~~\$41,400 per year~~ University of Arizona

#### **4.20 Lighting of Existing and New Sports Fields**

**Location:** Various Pima County Parks owned by Pima County.

**Scope:** McDonald Park – Replace ball field light fixture on two fields:  
Littletown Park – replace light fixtures on one field and move two light poles.  
Bud Walker Park, Ajo – replace ballfield light fixtures on two fields.  
Flowing Wells West – install ballfield lights on two fields.  
McDonald District Park – install ballfield lights on fields #5 and 6.  
Northwest/YMCA fields – install ballfield lights on fields #1-3 (baseball, softball, soccer fields and development of a dog park)  
Lighting Boom Truck – purchase boom truck for maintenance of sports lights.  
Lawrence Park – install ball field lights, and parking security lights.  
Rillito Park – install lights on 6 competition soccer fields.  
Sportspark Lighting  
Brandi Fenton Memorial Park Lighting

**Benefits:** This project entails the installation of new lights at parks that do not currently have them and the upgrading of light fixtures at existing facilities. The benefit will include environmental compliance with Pima County's Dark Skies Ordinance, and minimizing operating and maintenance costs. Lighting technology has advanced. New fixtures will result in significant cost savings to the County. The new light fixtures will provide better light coverage at lower operational costs.

The installation or improvement of these fixtures is in response to public demand for increased field use. The lighting of sports fields results in the agency being able to increase field use by a factor of two to three times, while taking advantage of the existing playfields. This increases use while minimizing new development and operational costs. Solar lighting will be used when feasible.

**Cost:** \$3,928,643 ~~\$3,000,000~~, ~~with Administration being \$75,000, Planning being \$179,000, Design being \$358,800, Construction being \$2,370,200, and Capital Equipment being \$17,000.~~

**Bond Funding:** \$3,600,000 ~~\$3,000,000~~

**Other Funding:** \$328,643 (from available 1997 authorization from Parks projects) ~~None identified at this time, however, efforts to obtain State and Federal grants will be explored.~~

**Project Duration:** Planning/Design at 11 to 15 months and Construction at 15 to 24 months.

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

**Project Management:** Pima County Natural Resources, Parks and Recreation

**Future Operating and Maintenance Costs:** \$97,946 per year when fully developed. Funding impacts were derived using data gathered from current, high efficiency lighting systems at existing County ballfields that have recently been upgraded or new facilities that have benefitted from the latest lighting technology.

#### **4.23 Dan Felix Memorial Park**

**Location:** This existing park, formerly known as Pegler Wash, is located at 5790 North Camino de la Tierra. The park is located on approximately 39 acres owned by Pima County.

**Scope:** The improvement of this park may include the development of one soccer field, lighting for three soccer fields, security lighting, playground, free-play turf area, restroom, walking/jogging path, ramadas, picnic facilities, parking, two basketball courts, landscaping, connections to the Rillito River Park and water fountains. The park's concept plan has been approved by the Pima County Parks and Recreation Commission.

**Benefits:** This proposed park development project is located along the Rillito River Park. As such, it will serve as both a "stand alone" park, and provide trailhead access to the Rillito River Park and its respective regional trail. The rate of community development in this section of our community is greater than the number and quality of recreational facilities that are available. This facility will help to meet the growing recreational needs of existing and new neighborhoods in the area.

**Cost:** \$750,000 ~~\$1,350,000, with Administration being \$43,750, Planning and Design being \$200,000, Construction being \$1,077,350, Capital Equipment being \$12,000, and Public Art being \$16,900.~~

**Bond Funding:** \$750,000 ~~\$1,350,000~~

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

**Project Duration:** Planning/Design at 12 to 24 months and Construction at 12 to 24 months.

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

**Project Management:** Pima County Natural Resources, Parks and Recreation

**Future Operating and Maintenance Costs:** \$28,552 per year when completed.

#### **4.44 Marana Continental Ranch New Library**

**Location:** Town of Marana, on property owned by the Town of Marana, in the Continental Ranch area, at Silverbell and Cortaro Farms Road

**Scope:** Design and construct a new ~~45,000~~ 20,000 square foot library to serve the Town of Marana/Continental Ranch area. The library will be constructed to house an eventual 100,000

volume book collection, state-of-the art technology, computer lab, large meeting room and small study rooms, and a parking lot.

**Benefits:** The current Marana Library is too small to serve the growing population in the Continental Ranch area and the nearest library, the Nanini Library, is several miles distant from the population center in Marana. Opening of this new library will relieve pressure on the Nanini Library

**Costs:** ~~\$4,500,000, with Planning/Design being \$475,000, Construction being \$3,980,000, and Other being \$45,000.~~ \$6,395,000

**Bond Funding:** \$4,500,000

**Other Funding:** ~~None identified at this time~~ \$1,895,000 (\$1,622,500 Library District, \$272,500 Town of Marana)

**Project Duration:** Planning at 8 to 12 months, Design at 15 to 24 months, and Construction at 15 to 30 months.

**Implementation Period:** 1, 2, 3

**Project Management:** Pima County Facilities Management Department

**Future Operating and Maintenance Costs:** County Library District and the Town of Marana, with the possible participation of the Tucson-Pima Public Library.

## **Question No. 6 - Sewer System Revenue Bonds**

### **6.2 Miscellaneous Conveyance Rehabilitation Projects**

**Location:** Projects are located throughout the Tucson Metropolitan Area

**Scope:** The current conveyance condition assessment projects - both the Closed Circuit TV (CCTV) and the Sanitary Sewer Inspection and Identification Program (SSIIP) - are identifying areas within the regional sewage conveyance system in need of repair, rehabilitation or replacement. It is estimated that re-lining will cost between \$200 and \$300 per linear foot to rehabilitate the larger sewers. These projects will be completed based on order of need identified by the CCTV and SSIIP evaluation projects. This funding will allow for the re-lining/replacement of approximately 5 to 6 miles of gravity conveyance lines and rehabilitation of miscellaneous associated siphon inlet and outlet chambers and manholes/junction chambers. The interceptors being examined include:

1. Santa Cruz Central; from 18th Street to Prince Road.
2. Santa Cruz East; from University Boulevard to Fort Lowell
3. Old Nogales Highway; from Hughes Access Road to Ajo Way
4. North Rillito; from Wentworth Road to Ina Road
5. Continental Ranch Pumping System; from Lambert Lane Alignment to Ina Road
6. Southeast Interceptor; from Rita Ranch to Franklin Street

7. Numerous Conveyance System siphon facilities including Alameda, Julian Wash, Tucson Boulevard at Rillito, Northwest Outfall, Golf Links, Sabino Creek, and Craycroft Road at Rillito
8. Carrillo Neighborhood Rehabilitation

The design will be done primarily by Wastewater Management engineering staff. The design, installation and/or required reconstruction work on conveyance system facilities will be achieved through several individual projects throughout the next 4 to 5 years.

**Benefits:** Recent experience indicates that unlined concrete sewer pipe, initially designed to last 50 years, may last only 35 to 40 years when high levels of hydrogen sulfide and corrosion are present. The Department is currently inspecting all unlined concrete pipe, as well as other older reaches of the system, in order to identify those sections of the system that have experienced deterioration and merit rehabilitation.

Planned rehabilitation of the interceptors will reduce the possibility of potential failures, and their associated liabilities, including environmental concerns and potential large regulatory fines. Emergency repairs cost 10 times more than planned repairs/rehabilitation.

Emergency and/or unscheduled maintenance costs average \$ 4,400/mile. After rehabilitation, preventive maintenance costs are \$2,000 per mile.

**Cost:** \$15,000,000, with Administration being \$300,000, Design being \$1,000,000, and Construction being \$13,700,000.

**Bond Funding:** \$15,000,000

**Other Funding:** None identified at this time

**Project Duration:** 8 years - The overall project includes identification and prioritization of reaches of interceptors requiring rehabilitation, specification of rehabilitation work, and construction. A typical interceptor rehabilitation schedule is: Design at 12 to 18 months and Construction at 12 to 24 months.

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

**Project Management:** Pima County Wastewater Management Department

**Future Operating and Maintenance Costs:** In the first year after construction, the line is structurally under warranty. Operating and maintenance costs thereafter are approximately \$2,000 per mile. The costs are paid from Wastewater Management's budget, which is funded by user fees.

## 6.7 Ina Road WPCF-Denitrification

**Location:** Ina Road at Interstate-10/Roger Road on Sweetwater Drive

**Scope:** ~~The project will utilize the results of the current permit required pilot plant testing as a basis for planning, design and construction to denitrify the effluent from the existing 25 mgd high~~

~~purity oxygen wastewater treatment process at the Ina Road WPCF. provide the planning and initial design for the implementation of the Regional Optimization Master Plan (ROMP).~~

~~**Benefits:** Nitrification/Denitrification is the biological treatment process that removes ammonia and nitrogen that can be harmful to human health and aquatic life. This process reduces the total nitrogen by converting ammonia to nitrite, nitrate, and subsequently nitrogen gas.~~

~~The original 25 mgd 1978 Ina Road WPCF plant did not incorporate denitrification facilities; the recent plant expansion to 37.5 mgd includes denitrification of the effluent in the new 12.5 mgd process line as required by the Arizona Department of Environmental Quality. This project will add the denitrification process to the original 25 mgd plant.~~

~~This endeavor will provide for high quality combined effluent from the new and existing process trains at the Ina Road WPCF to meet increasing demands for higher volumes and higher quality reclaimed water for reuse, and to meet anticipated water quality regulation changes for effluent discharged from the wastewater treatment plants that discharge into the Santa Cruz River.~~

~~The ROMP objectives are: 1) developing the optimal treatment process and and plan to comply with regulatory requirements to reduce nitrogen concentrations in effluent discharged from the wastewater treatment facilities; 2) master plan for foreseeable regulatory requirements; 3) determining the long-term capacity needs of the County metropolitan treatment facilities, conveyance system and outlying growth areas; 4) developing a long-term plan for treatment, handling and reuse of system bio-solids and bio-gas that is produced by the treatment process; 5) developing a detailed implementation schedule to meet regulatory implementation deadlines and the optimization master plan; 6) and developing a financial plan to support the systems regulatory and other needs for the next 15 years.~~

~~**Cost:** \$17,000,000, with Administration being \$340,000, Planning being \$50,000, and Design being \$1,950,000, and Construction being \$14,660,000.~~

~~**Bond Funding:** \$17,000,000~~

~~**Other Funding:** None identified at this time~~

~~**Project Duration:** Planning at 3 to 6 months, Design at 18 to 30 months, and Construction at 34 to 48 months.~~

~~**Implementation Period:** 3, 4, 5, 6~~

~~**Project Management:** Pima County Wastewater Management Department~~

~~**Future Operating and Maintenance Costs:** The power and chemical costs required for this additional level of tertiary treatment will be approximately \$1.8 million per year when the improvements are completed. The future operating and maintenance costs are paid from Wastewater Management's budget, which is funded by user fees.~~

**AS AMENDED** by the Board of Supervisors of Pima County, Arizona, this the \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
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