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ORDINANCE NUMBER 2011- 78

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:

5

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.

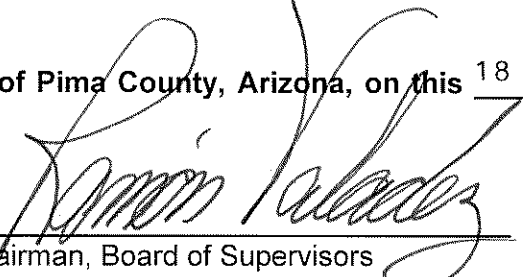
Benefit: This project will prevent the collapse of the existing sewer and potential sinkhole, averting property damage or release of untreated sewage. Annual maintenance costs will also be reduced.

Other Funding: \$1,408,163 ~~\$1,400,000~~ - 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 18
day of October, 2011.


Chairman, Board of Supervisors


Reviewed by: **OCT 18 2011**

Attest:


Clerk, Board of Supervisors


County Administrator

Approved as to Form:


Civil Deputy County Attorney

REGINA NASSEN

Bond Improvement Plan

ORDINANCE NO. 1997-35

(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; and April 4, 2006 by Ordinance Number 2006-19; and October 17, 2006 by Ordinance Number 2006-82; and April 10, 2007 by Ordinance Number 2007-32; and November 6, 2007 by Ordinance Number 2007-94; and April 1, 2008 by Ordinance Number 2008-24; and November 18, 2008 by Ordinance Number 2008-107; and October 6, 2009 by Ordinance Number 2009-90; and April 13, 2010 by Ordinance Number 2010-23, and October 19, 2010 by Ordinance Number 2010-64, and on April 5, 2011 by Ordinance Number 2011-19, and on October 18, 2011 by Ordinance Number 2011-78)

ORDINANCE NUMBER 2011-78

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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:

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

ORDINANCE NO. 1997 - 35 (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, ORDINANCE NO. 2007-32, adopted April 10, 2007, ORDINANCE NO. 2007-94, adopted November 6, 2007, ORDINANCE NO. 2008-24, adopted April 1, 2008, ORDINANCE NO. 2008-107, adopted November 18, 2008, ORDINANCE NO. 2009-90, adopted October 6, 2009, ORDINANCE NO. 2010-23, adopted April 13, 2010, ORDINANCE NO. 2010-64, adopted October 19, 2010, ORDINANCE NO. 2011-19, adopted April 5, 2011, ORDINANCE NO. 2011-78, adopted October 18, 2011)

AN ORDINANCE OF THE BOARD OF SUPERVISORS OF PIMA COUNTY, ARIZONA, ADOPTING THE BOND IMPROVEMENT PLAN FOR THE MAY 20, 1997 SPECIAL BOND ELECTION.

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

ORDINANCE NO. 1997 - 35 (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, ORDINANCE NO. 2007-32, adopted April 10, 2007, ORDINANCE NO. 2007-94, adopted November 6, 2007, ORDINANCE NO. 2008-24, adopted April 1, 2008, ORDINANCE NO. 2008-24, adopted November 18, 2008, ORDINANCE NO. 2009- 90, adopted October 6, 2009, ORDINANCE NO. 2010-23, adopted April 13, 2010, ORDINANCE NO. 2010-64, adopted October 19, 2010, ORDINANCE NO. 2011-19, adopted April 5, 2011, and ORDINANCE NO. 2011-78, adopted October 18, 2011)

AN ORDINANCE OF THE BOARD OF SUPERVISORS OF PIMA COUNTY, ARIZONA, ADOPTING THE BOND IMPROVEMENT PLAN FOR THE MAY 20, 1997 SPECIAL BOND ELECTION.

Be it ordained by the Board of Supervisors of Pima County, Arizona, as follows:

I. Purpose

The purpose of this ordinance is to comply with Chapter 3.06 of the Pima County Code regarding bonding disclosure, accountability and implementation. On March 4, 1997, the Board of Supervisors approved a list of bond categories and specific programs and projects. On March 11, 1997, the Pima County Board of Supervisors passed and adopted Resolution Number 1997-45, ordering and calling for a special bond election to be held in Pima County, Arizona, on May 20, 1997. Included in the resolution were eight questions to be submitted to the electors. The first seven questions, if approved, will authorize general obligation bonds of the County for various purposes. The eighth question will, if approved, authorize sewer system revenue bonds. This Bond Improvement Plan sets forth the particulars regarding each project proposed to be constructed or developed in each question, setting forth the amount of bond funds to be allocated to each project, along with an estimated time frame for implementing the particular project.

This Bond Improvement Plan is to be adopted by the Board of Supervisors at least ten days prior to the special bond election and may require substantial modification in conformance with 3.06.050 of the County Code, if any question submitted to the qualified electorate of the County does not receive a majority of votes cast during the special election of May 20, 1997.

II. Tax Impact and Fee Impact of Issuing New General Obligation and Revenue Bond Debt

The total value of general obligation bonds being submitted to the voters for approval is \$256,980,000. In addition, \$105,000,000 of sewer revenue bonds will also be subject to voter authorization. If all bonds are authorized for sale, actual sale of both general obligation and revenue bonds will be scheduled over the next seven years. All projects should be completed ten years from the date of voter authorization.

A. Prior General Obligation Debt and Secondary Property Tax Rates

General obligation bond debt authorized by the voters is retired through an annual levy of a secondary property tax assessed against the value of all property in Pima County. The secondary property tax has varied each year in accordance with the amount of secondary property taxes needed to retire existing County debt, as well as the secondary assessed value of all property in Pima County. Table 1 shows a ten year history of the secondary property tax rate in Pima County, as well as the secondary assessed value of all property in Pima County.

Table 1

Historical Yearly Secondary Assessed Value and Debt Service Tax Rate

<u>Date</u>	<u>Assessed Value</u>	<u>Percent Change</u>	<u>Debt Service Tax Rate</u>
1987/88	2,993,817,624	5.38	0.9481
1988/89	3,110,816,678	3.91	0.9294
1989/90	3,105,394,430	-0.17	1.0661
1990/91	3,044,972,362	-1.95	1.0433
1991/92	2,998,163,538	-1.54	1.1091
1992/93	2,993,029,392	-0.17	1.1048
1993/94	2,974,071,684	-0.63	1.1031
1994/95	3,150,104,570	5.92	1.0201
1995/96	3,218,883,605	2.18	1.0201
1996/97	3,247,512,122	0.89	0.9701
1997/98	3,600,000,000 (estimated)	10.90	--

Table 2 shows the payments necessary over the next ten years to retire Pima County's existing outstanding general obligation debt from prior voter authorizations.

Table 2

Secondary Property Tax Payments for Outstanding Debt

<u>Fiscal Year Ending June 30</u>	<u>Debt Service Requirements of Net Direct General Obligation Debt</u>		
	<u>Principal</u>	<u>Interest</u>	<u>Annual Payment</u>
1997	\$24,065,000	\$11,711,068	\$35,776,068
1998	24,725,000	9,927,794	34,652,794
1999	25,575,000	8,469,110	34,044,110
2000	23,345,000	6,743,044	30,088,044
2001	22,500,000	5,515,615	28,015,615
2002	20,725,000	4,148,504	24,873,504
2003	18,700,000	2,962,657	21,662,657
2004	17,440,000	1,996,312	19,436,312
2005	4,030,000	1,077,199	5,107,199
2006	4,335,000	842,998	5,177,998

B. Secondary Property Tax Rate Not to Exceed \$1 per \$100 Assessed Value

Given the past variance in the secondary property tax rate, the fact this tax rate is 97 cents per \$100 assessed value for fiscal year 1996/97, and in order not to cause significant year-to-year variation in the secondary property taxes paid for debt service purposes by Pima County property owners, the secondary property tax rate shall not exceed, during the term of debt retirement for general obligation bonds authorized at the May 20, 1997 election, \$1 per \$100 of assessed value.

C. Schedule of Future General Obligation Bond Debt Issuance if all General Obligation Bonds at the Special Election of May 20, 1997 are Authorized by the Electorate

As originally adopted, this Bond Improvement Plan contained the following projected schedule of General Obligation Bond sales. The first sale, in June 1998, was for \$35,000,000; a second sale was for \$45,000,000 and occurred in October 1999, sixteen months after the first sale; and a third sale in the amount of \$49,800,000 occurred in August 2000. These sales amounts were based upon actual expenditures, especially being driven by the Juvenile Court project. Because of these experiences, it is prudent for this ordinance to provide the Board of Supervisors with the flexibility of scheduling sales more or less frequently and in greater or lesser amounts than projected in Table 3 below, such discretion to be based upon decisions intended to provide for careful and timely cash flow management.

In order to ensure continued public accountability in the scheduling of bond sales, Pima County will publish an annual report at the end of each fiscal year that updates the status of bonds sold, the anticipated schedule of future bond sales; identifies the strategic and tactical grounds for the proposed schedule; explains in detail any changes that occurred from the previous projected schedule; and updates, when necessary, the debt retirement schedule information presented below.

Based on a number of variables that will be discussed in this section, if all \$256,980,000 in general obligation bonds are authorized for issuance by the electorate, the bonds will be issued and debt incurred as indicated in Table 3 below. This scheduled sale of new general obligation bond debt assumes a bond sale each fiscal year over the next seven years, with the sale limited to approximately \$30 million per year for the first four years, and then increasing in the last three years until all authorized bonds have been sold. This proposed sale of new general obligation bond debt uses as a constraint, the \$1 per \$100 assessed value secondary tax rate.

Table 3

Planned Schedule of Sale of New General Obligation Bonds

<u>Fiscal Year</u>	<u>Issue Size</u>	<u>Cumulative Issue</u>
1997/98	\$30,000,000	\$ 30,000,000
1998/99	30,000,000	60,000,000
1999/2000	30,000,000	90,000,000
2000/01	30,000,000	120,000,000
2001/02	40,000,000	160,000,000
2002/03	45,000,000	205,000,000
2003/04	51,980,000	256,980,000

Issuance of this new general obligation debt in accordance with Table 3 contains the following assumptions: 1) the term of the debt is not longer than 15 years; 2) the average annual increase in County secondary net assessed value being at least 3 percent per year, and 3) a bond interest rate for tax free municipal bonds of not more than 5.5 percent for the period. If any of these variables are higher or lower, the scheduled issuance of new general obligation bond debt may be affected. For example, higher growth rates of secondary assessed value will allow a larger debt to be issued in the early years. Higher municipal tax-free bond interest rates would require less debt to be issued. These factors will have to be evaluated each year prior to the planned sale to determine actual amounts of general obligation bonds that can be sold in order to meet the base requirement that the secondary property tax used for debt service in Pima County is not to exceed \$1 per \$100 assessed value.

D. **Schedule of Future Sewer Revenue Bond Issuance and Impact on Sewer User and Connection Fees**

As originally adopted, this Bond Improvement Plan contained the following projected schedule of Sewer Revenue Bond sales. The first sale, in June 1998, was for \$20,000,000. Expenditure of these bonds has not taken place at the rate originally anticipated and projections are that they will not be completely expended until sometime in calendar year 2001. This rate of expenditure caused the County to fall out of compliance with federal arbitrage rules and the County will pay back interest earning to the Internal Revenue Service. This experience strongly recommends that the County provide itself with flexibility to sell bonds more frequently or in years other than stated in Table 4 below and to sell bonds in smaller, more targeted amounts than projected in Table 1. If exercised, the intent of this flexibility would be to provide for more focused cash flow management and the avoidance of arbitrage entanglements. It is not anticipated at this time that the overall time period of this bond package will be increased.

In October 2000, Pima County completed a second sale of Sewer Revenue Bonds of \$40 million through a loan from the Wastewater Infrastructure Financing Administration (WIFA). The benefit of WIFA financing is that the Authority can make loans at 75 percent of the prevailing market rates for Sewer Revenue Bonds. As schedules and market conditions permit, Pima County will complete future sales of Sewer Revenue Bonds through WIFA financing.

In order to ensure continued public accountability in the scheduling of bond sales, Pima County will publish an annual report at the end of each fiscal year that updates the status of bonds sold, the anticipated schedule of future bond sales; identifies the strategic and tactical grounds for the proposed schedule; explains in detail any changes that occurred from the previous projected

schedule; and updates, when necessary, the debt retirement schedule information presented below.

If the \$105 million of sewer revenue bonds are authorized at the May 20, 1997 election, sewer user and connection fees will increase. Presently the participating rate connection fee for residential units is \$46.82 per fixture unit and the typical single-family residential monthly user fee is \$10.29. For the average single family home the sewer connection fee today equals \$936. A number of variables will affect the sewer user fee and connection fee, which are annually reviewed to insure fees are appropriate to support operating, maintenance, and capital needs of the regional sewer system. With approval of the sewer revenue bonds, many of the expenses will be required to be met through annual revenues, therefore it is difficult to predict what the sewer user and connection fee rate would be if the bonds are not approved. If the bonds are approved, annual fee increases will be required. It is presently forecast that sewer user fees will be required to be increased between 3 and 5 percent each year for the next 5 years and the connection fee will be increased between 10 and 12 percent each year for the next 5 years. Therefore, over the period of the fee increases necessary, if the \$105 million of sewer revenue bonds are approved the user fees will increase from \$10.29 per month to \$13.13 per month assuming annual increases of 5 percent per year for 5 years, and connection fees will increase from \$936 per average new residential connection to \$1,650 assuming a 12 percent increase per year for 5 years.

If the bonds are approved sewer revenue bonds will be sold over a period of six fiscal years beginning in 1997 and ending in the year 2002/03. Table 4 indicates the amount of sales per year and the distribution of sewer revenue bond sale proceeds to the projects that will be constructed by sewer revenue bonds.

Table 4
Wastewater Management Projected Bond Expenditures
May 20, 1997, Authorization
 Costs (\$000)

<u>Project Name</u>	<u>FY 97/98</u>	<u>FY 98/99</u>	<u>FY 99/00</u>	<u>FY 00/01</u>	<u>FY 01/02</u>	<u>FY 02/03</u>	<u>Totals</u>
Ina Road Treatment Plant	\$ 6,000	\$17,000	\$14,000	\$14,000	\$14,000	---	\$65,000
Roger Road Sewer	---	500	2,000	2,100	---	---	4,600
Miscellaneous Sewers	2,000	355	---	---	---	---	2,355
Santa Cruz, Prince-Franklin	---	1,000	2,000	---	---	---	3,000
Santa Cruz, Lincoln to Drexel	---	---	500	2,000	700	---	3,200
Green Valley Treatment Plan	---	1,000	1,000	2,000	---	---	4,000
Tanque Verde, Craycroft to Tucson Country Club	500	1,500	1,500	550	---	---	4,050
Tanque Verde, Hidden Hills Wash to Arbor Circle	145	500	500	---	---	---	1,145
North Rillito Interceptor, I-10 to Camino Seco	500	1,000	1,100	---	---	---	2,600
Arivaca Junction Sewer Extension	---	500	---	---	---	---	500
Marana WWTF Relocation	---	500	1,500	---	---	---	2,000
Marana Interceptor	---	---	---	---	---	2,450	2,450
Harrison-Pantano Reclamation	---	---	---	---	---	100	100

<u>Project Name</u>	<u>FY 97/98</u>	<u>FY 98/99</u>	<u>FY 99/00</u>	<u>FY 00/01</u>	<u>FY 01/02</u>	<u>FY 02/03</u>	<u>Totals</u>
Facility							
Kino Recharge	500	1,500	1,500	1,500	---	---	5,000
Rillito-Swan Recharge	200	1,300	500	---	---	---	2,000
Green Valley Turf Irrigation	200	1,300	1,500	---	---	---	3,000
Total	\$10,045	\$27,955	\$27,600	\$22,150	\$14,700	\$2,550	\$105,000

III. General Schedule of Bond Project Development

Actual implementation and development of the bond projects for each question will depend on a number of variables. These variables include not only the amount of new general obligation or sewer revenue bond debt that can be issued, but also specific project implementation details such as acquisition of rights-of-way or land for any specific project, permits from any state, federal or local jurisdiction, as well as required or necessary matching funds. Finally, federal bond arbitrage rules will also have an impact on project implementation. These rules require that once tax-free municipal bonds have been issued, all of the proceeds from the sale must be expended within two years and, if unexpended, financial penalties are assessed against the issuer. Therefore, it is imperative that any project scheduled to be constructed by a specific sale be initiated and constructed within the arbitrage limit for that particular sale. If a project is delayed because of design, right-of-way acquisition, federal, state or local permitting, or local matching fund requirements, a project that is scheduled for later implementation must be moved forward, rather than risk violating federal bond arbitrage rules.

Because of federal arbitrage rules and the seven years that may be necessary to issue general obligation bonds, the implementation period will cover approximately ten years. For planning purposes, implementation time frames will be divided into two year time blocks. Therefore, each project will be assigned an implementation period from between 1 and 5. For example, for a project assigned an implementation period of 1, the project should be started and hopefully completed during fiscal years 1997/98 and 1998/99.

Therefore, each project or program listed in this Bond Improvement Plan will be assigned an implementation period ranging from one to five as indicated in the table below over the ten year expected life of the general obligation bond authorization.

Table 5

Planned Bond Project/Program Implementation Period

<u>Fiscal Year</u>	<u>Implementation Period</u>	<u>Cumulative Bond Sale</u>
1997/98	1	\$ 30,000,000
1998/99	1	60,000,000
1999/2000	2	90,000,000
2000/01	2	120,000,000
2001/02	3	160,000,000
2002/03	3	205,000,000
2003/04	4	256,980,000
2004/05	4	---
2005/06	5	---
2006/07	5	---
2007/08	6	---
2008/09	6	---
2009/10	7	---
2010/11	7	---
2011/12	8	---
2012/13	8	---

All of the general obligation bonds scheduled for sale were anticipated to be fully available for project implementation during implementation period 4. As noted previously, the implementation periods assigned to each project will be adhered to, however, specific annual expenditures for each project will be detailed in the annual capital improvement program that will be adopted by the Board of Supervisors with the annual budget.

A cash flow analysis has been performed using the implementation period assigned for each project in Section IV of the Ordinance. This analysis assumes all funds assigned for the project are fully expended in the implementation period. For projects that cover one or more implementation periods, funding is divided equally between each period listed. The cash flow analysis indicates that the total funding required versus available for each period is less than ten percent at variance. For example, at the end of the first implementation period, \$60 million in bond funds will be available. If every general obligation bond project assigned to the period is fully constructed, approximately \$65 million will be required. Therefore, the funding available is approximately equal to that necessary and is well within the accuracy of this planning analysis.

IV. Specific Project Description, Scope of Work, and Location by Question and Project

In this section, each bond project and/or program approved by the Board of Supervisors in public session on March 4, 1997, is listed and described, as required by Section 3.06.020, Bond Improvement Plan, of the Pima County Code.

A. Question No. 1 - Juvenile Detention and Court Facilities

For the purpose of acquiring, expanding, improving, constructing, and equipping Juvenile Detention and Court facilities and paying all expenses properly incidental thereto and to the issuance of such bonds, shall Pima County, Arizona be authorized to issue and sell general obligation bonds of the County, in an aggregate principal amount not exceeding \$42,000,000.

1) Project	<u>JC-1 -- Juvenile Court Detention and Administrative Facilities</u>
Location:	Juvenile Court Center - Detention and Administrative Facilities 2225 East Ajo Way
Bond Funding:	\$42,000,000
Scope:	Purchase of an adjacent 12-acre parcel to the west of the existing Juvenile Court Center and construction of additions and renovations to the facility. The project includes construction of 11 new detention units and renovation of the 4 existing units for 306 beds total, 14 new courtrooms and adequate space for court administration, probation and support functions. This work will result in approximately 47,000 square feet of renovations and 234,000 square feet of new construction.
Benefit:	Current detention capacity is exceeded on a daily basis by upwards of 50 juveniles. It is projected that the need for secure detention beds will total 300 by the year 2005. Pima County Juvenile Court is currently under Federal Court Order to reduce detention population to present design capacity and to improve facility conditions.
Other Funding:	\$2,197,873
Implementation Period:	1, 2 Complete
Future Operating & Maintenance Costs:	It is estimated the annual operating and maintenance cost will increase in proportion to the number of juveniles detained. Presently it costs approximately \$100 per day per juvenile detained.

B. Question No. 2 - Public Safety, Law Enforcement and Superior Court

For the purpose of acquiring, expanding, improving, constructing, and equipping Adult Detention, Superior Court, Adult Probation, and other Court Facilities; Sheriff's Department Substations; Records and Evidence Storage Facilities; and Security and Automated Crime-Solving Systems and paying all expenses properly incidental thereto and to the issuance of such bonds, shall Pima County, Arizona be authorized to issue and sell general obligation bonds of the County, in an aggregate principal amount not exceeding \$50,000,000?

1) Project

S-1 -- Sheriff Adult Remanded Juvenile Detention

Location: Sheriff's Adult Detention Center
1270 West Silverlake Road

Bond Funding: \$11,094,768 Included with S-2

Scope: The final Scope of this project has been included in and will be determined by the comprehensive master plan and design developed under S- 2, Sheriff Maximum Security Detention, so that all parts of the project will operate together.

Benefit: The purpose of this project is to create a safe, secure, and efficient facility for the detention of remanded and direct-booked juveniles and to remove offenders accused of serious crime from the balance of the juvenile population held in detention.

Other Funding: \$0

Implementation Period: 2, 3, 4, 5

Future Operating & Maintenance Costs: It is estimated the annual operating and maintenance cost will increase in proportion to the number of remanded juveniles in custody. Presently it costs approximately \$60 per day per juvenile held.

2) Project

S-2 -- Sheriff Maximum Security Detention

Location: Sheriff's Adult Detention Center
1270 West Silverlake Road

Bond Funding: \$19,823,268

Scope: Construct a new maximum security adult detention facility. This facility will be designed to house 365 adult inmates with double-bunking capacity for a total of 730. Planning and design for this project will be integrated with S-1, Sheriff Adult Remanded Juvenile Detention, S-4, Sheriff Criminal Convictions and S-6, Sheriff Jail Security. Construction of this facility required relocation, design and construction of new headquarters for the Department of Natural Resources, Parks and Recreation at 3500 W. River Rd.

Benefit: The purpose of this project is to create a safe, secure, and efficient facility for the detention of adult offenders. Persons accused of serious crimes will be held in custody of the Sheriff rather than released pending trial.

Other Funding: \$8,996,962

Implementation Period: 2, 3, 4, 5

Future Operating & Maintenance Costs: It is estimated the annual operating and maintenance cost will increase in proportion to the number of remanded adults held in custody. Presently it costs approximately \$60 per day per adult held.

3) Project

S-3 -- Sheriff New Substation and Sheriff Administration Building

Location: New Substation at Robles Junction and improvements to Sheriff's Administration Building at 1750 East Benson Highway

Bond Funding: \$627,000

Scope: Construct a new satellite substation on County owned property for law enforcement services in the Robles Junction area and construct improvements at the Sheriff's Administration Building, including re-flooring, electrical improvements and new workstation improvements.

Benefit: The new sheriff's substation will provide a facility that will be better able to meet the increasing law enforcement service requirements for this community. The administration building improvements will increase the functionality of the building.

Other Funding: \$2,121 General Funds

Implementation Period: 2, 3 Complete

Future Operating &

Maintenance Costs: Cost of the new substation will be minimal since staff will be redeployed from other offices. There will be no additional costs to the administration building improvements.

4) Project

S-4 -- Sheriff Criminal Convictions

Location: Sheriff Headquarters Building
1750 East Benson Highway

Bond Funding: \$500,000 Included with S-2

Scope: The final Scope of this project has been included in and will be determined by the comprehensive master plan and design developed under S-2, Sheriff Maximum Security Detention, so that all parts of the project will operate together.

Benefit: The benefits from this project are on-line processing of criminals when booked to establish actual identities, enhanced automated fingerprint analysis for criminal investigations, and the on-line delivery of mug photographs and other forensic information to units and vehicles appropriately equipped.

Other Funding: \$0

Implementation Period: 5

Future Operating &

Maintenance Costs: Minimal

5) Project

S-5 -- Sheriff Substation Expansion

Location: Substation Expansions - San Xavier and Rincon Substations

Bond Funding: \$150,000

Scope: Upgrade, remodel and repair San Xavier and Rincon Substations and replace the roof at Rincon.

Benefit: Reduce staff crowding and improve efficiency

Other Funding: \$0

Implementation Period: 3 Complete

Future Operating & Maintenance Costs: Minimal

6) Project

S-6 -- Sheriff Jail Security

Location: Sheriff Medium Security Annex
1300 West Silverlake

Bond Funding: \$500,000 Included with S-2

Scope: The final Scope of this project has been included in and will be determined by the comprehensive master plan and design developed under S-2, Sheriff Maximum Security Detention, so that all parts of the project will operate together.

Benefit: Upgrading the security for the facility is still necessary as it now approaches full capacity and the safety and security of staff and inmates are becoming an even greater risk.

Other Funding: \$0

Implementation Period: 5

Future Operating & Maintenance Costs: Minimal

7) Project

S-7 -- Sheriff Evidence Security

Location: Sheriff Headquarters Building
1750 East Benson Highway

Bond Funding: \$2,740,566

Scope: Construct a new Property and Evidence Storage Facility. The facility is planned to include a 25,000 square foot warehouse building, 7,600 square foot bulk storage addition, secured parking of approximately 263,000 square feet, and covered storage for approximately 75 vehicles. The facility will be used for maintaining, storing, and ensuring the integrity of secured property and evidence. This facility will replace the old Motor Vehicle Building on Ajo Road presently used for this function.

Benefit: The facility will provide efficient and functional administrative and intake areas; discrete areas for processing of evidence; efficient and functional bulk storage of evidence and property commodities; functional equipment for frozen and refrigerated evidence; and adequate space for receiving, staging and storing large items such as boats, RV's, cars and trucks.

Other Funding: \$41,100

Implementation Period: 1, 2, 3 Complete

Future Operating & Maintenance Costs: Minimal since a replacement facility for an old, undersized building.

8) Project

S-8 -- Sheriff's Communications System Upgrades

Location: Throughout Pima County

Bond Funding: \$2,544,698

Scope: Replace the Sheriff's Department radio system; primary IMC multisite controller, consoles and software required for Y2K system compliance and operation.

Benefit: Uninterrupted emergency radio communications. The manufacturer reports that the existing equipment is not Year 2000 Compliant and does not intend to support older technology. New equipment will increase channel capacity for use opportunities by other Pima County departments.

Other Funding: \$540,591

Implementation Period: 1,2 Complete

Future Operating & Maintenance Costs: This system replaces an existing communications system, so there should be no significant net increase in operating and maintenance costs.

9) Project

S-9 -- Sheriff Northeast Communications Tower

Location: Summit Ridge, in northeast metropolitan area

Bond Funding: \$19,700

Scope: Acquisition, legal and related costs associated with establishing two easements for the existing Summit Ridge Radio Site.

Benefit: Easements required to provide access to site to service the Sheriff's Department radio equipment. This site provides radio coverage critical to Sheriff's deputies serving the northeast Tucson metro area.

Other Funding: \$0

Implementation Period: 1, 2 Complete

Future Operating & Maintenance Costs: Costs include acquisition of easement only, with no additional operating and maintenance costs necessary.

10) Project

SC-8 -- Superior Court New Courtrooms

Location: Superior Court Building
110 West Congress

Bond Funding: \$11,500,000

Scope: Renovate floors B, 1, 2, and 3 of the existing Superior Court building. The existing building has a net usable square footage of approximately 188,700 square feet. A space analysis performed by the IEF Group, Inc. revealed that for optimal utilization of this building, renovation of floors 1, 2, 3, 7, 8, 9 and B level is necessary. The analysis also identified the need for staff occupying 43,800 square feet to be moved out of the building in order to accommodate new courtroom growth. In addition, to improve safety and operation of the Superior Court, the Assembly Room will be expanded, elevators renovated, fire alarm systems replaced, PBX telephone switch replaced, and roof replaced.

Benefit: Renovation of the building will allow for additional courtrooms necessary to accommodate present and new divisions and commissioners, as well as necessary support functions. (Currently there are 35 judicial officers and 29 courtrooms.)

Other Funding: \$0

Implementation Period: 1, 2, 3, 4, 5, 6, 7

Future Operating & Maintenance Costs: Minimal since most space is presently occupied and these costs are being incurred now.

11) Project

SC-9 -- Superior Court Adult Probation

Location:

Adult Probation Expansion - Southside Office
2695 East Ajo Way

Bond Funding:

\$500,000

Scope:

Build out existing shell space at Adult Probation Facility for probation officers, conference room expansion, physical training, and PALS lab. The present building is 35,000 square feet in size, of which 10,000 square feet is shell space.

Benefit:

Additional offices would be built for probation officers currently working in cramped quarters in the facility and housed in other leased buildings. This would result in reduction of leased space needed in the future to accommodate future growth. The expansion of conference and training rooms would reduce the need to rent space in other facilities for staff training.

Other Funding:

\$207,506

Implementation Period:

1 Complete

Future Operating &

Maintenance Costs:

Cost will be reduced by avoiding existing rent or lease of space for this function.

C. Question No. 3 - Parks

For the purpose of acquiring, developing, expanding, improving and equipping new and existing parks, including recreational athletic fields, community centers and pools, and extending existing river parks and paying all expenses properly incidental thereto and to the issuance of such bonds, shall Pima County, Arizona be authorized to issue and sell general obligation bonds of the County, in an aggregate principal amount not exceeding \$52,650,000?

1) Project	<u>P-1 -- Miscellaneous Park System Renovations</u>
Location:	Twenty-seven park sites (see list)
Bond Funding:	\$1,846,400
Scope:	Minor renovations and upgrades to existing parks and recreational facilities, including replacement and upgrades of playgrounds and tot lots, renovations of rest room facilities, construction or upgrades to parking lots and sidewalks, upgrades to sports facilities, construction of ramadas, drinking fountains and picnic tables, and upgrades to lighting.
Benefit:	The projects generally serve the purpose of making existing parks and recreational facilities more accessible, user friendly, and safer, for the general user and in compliance with the Americans with Disabilities Act mandates.
Other Funding:	\$100,000 (Tohono O’Odham Nation Grant)
Implementation Period:	1, 2, 3, 4, 5
Future Operating & Maintenance Costs:	Minimal additional costs since existing parks are being improved.

Specific Project Locations:

Curtis Park	2110 W. Curtis Road
Casas Adobes Neighborhood Park:	6262 North Oracle Jaynes Station Road
Coronado Middle School Park:	4300 East Wilds Road
Denny Dunn Neighborhood Park:	4400 West Massingale Road
Meadowbrook Neighborhood Park:	2635 West Sandbrook Lane
Richardson Neighborhood Park	3500 West Green Tree Drive
Parks Ballfield Dugout Roof Renovations:	Three Points, Arthur Pack, Winston Reynolds-Manzanita, McDonald, Littletown, Sam Lena, Anamax Parks
Sunset Pointe Neighborhood Park:	Starr Grass Drive & Cortero Farms Road
Wildwood Neighborhood Park:	6201 North Parsley Road
Arthur Pack Regional Park:	9101 North Thornydale Road
Thomas Jay Regional Park:	6465 South Craycroft Road
Sam Lena District Park:	3400 South Country Club Road
Acuña-los Niños Neighborhood Park:	5432 Bryant Avenue
McDonald District Park:	4100 North Harrison Road
Winston Reynolds-Manzanita District Park:	5200 South Westover Road
Ajo Regional Park:	North Ajo Well Road 1, Ajo, Arizona
E. S. “Bud” Walker Neighborhood Park:	290 Fifth Street, Ajo, Arizona
Gibson Neighborhood Park:	1330 West Childs Road, Ajo, Arizona
Palo Verde Neighborhood Park:	Ajo Well Road, Ajo, Arizona
Anamax Neighborhood Park:	17501 Camino De Las Quintas Santo Tomas, Arizona

Cardinal Neighborhood Park:	6925 South Cardinal Avenue
Lawrence District Park:	6855 South Mark Road
Mission Ridge Neighborhood Park:	3300 West Tucker Road
Sahuarita District Park:	15500 South Country Club Road Sahuarita, Arizona
Kay Stupy-Sopori Neighborhood Park:	6001 West Arivaca Road, Sopori, Arizona
Three Points Veterans Memorial Park:	10211 South Sasabe Road Three Points, Arizona
Vesey Neighborhood Park:	5005 South Butts Road
Ted Walker District Park	6775 North Casa Grande Highway

2) Project

P-2 -- Ajo Pool Renovations

Location: Ajo Well Road, Ajo, Arizona
 Bond Funding: \$1,726,200
 Scope: This project will develop a new community pool and bathhouse with support amenities. The project shall include a 6-lane, 50-yard pool with slide and the support bathhouse, mechanical and entry facilities, security lighting, parking, and demolition of existing facilities and fencing.
 Benefit: Replacement of the existing community facility
 Other Funding: \$0
 Implementation Period: 1, 2 Complete
 Future Operating & Maintenance Costs: \$9,800

3) Project

P-3 -- Anamax Neighborhood Park Renovations

Location: 17501 Camino De Las Quintas, Sahuarita, Arizona
 Bond Funding: \$550,000
 Scope: The project shall include replacement of the existing recreation center structure and repair and striping of the parking area.
 Benefit: Replacement of facilities no longer accommodating public demand for size, quantity and accessibility.
 Other Funding: \$6,690 (Private Contribution)
 Implementation Period: 2, 3, 4 Complete
 Future Operating & Maintenance Costs: Costs to be paid by the Town of Sahuarita through an intergovernmental agreement with Pima County.

4) Project

P-4 -- Tucson Mountain Park Renovation

Location: Tucson Mountains West of the Tucson Basin
 Bond Funding: \$1,100,115
 Scope: Improvements to County facilities located within Tucson Mountain Park, including but not limited to a new well and storage tank for the Tucson Mountain Park water supply system, Arizona Sonora Desert Museum parking lot lighting, general utility upgrades at Gilbert Ray Campground, new and renovated construction of campgrounds, parking and picnic facilities including pedestrian and vehicular circulation, and other public right-of-way.

Benefit: Improvements to significant public facilities within Tucson Mountain Park that increase public accessibility and use and ensure compliance with mandates of the Americans with Disabilities Act and general development to accommodate increased demands.

Other Funds: \$160,000 General Funds

Implementation Period: 2, 3

Future Operating & Maintenance Costs: Costs should be reduced due to replacing obsolete and over-capacity facilities.

5) Project

P-5 -- Tucson Athletic and Play Field Improvements

Location: Various locations within the City of Tucson

Bond Funding: \$3,000,000

Scope: Projects will only be constructed on public property in neighborhoods with high negative stress factors to be defined by using existing census or other reliable databases within the city limits of Tucson. Work will consist of upgraded accommodations for athletic fields, courts, turf areas, walking/running asphalt paths, and nighttime lighting within a project funding limit of \$150,000.

Benefit: More and improved athletic and recreational fields will be available throughout the community.

Other Funding: \$0

Implementation Period: 1, 2, 3, 4, 5, 6, 7, 8

Future Operating & Maintenance Costs: Varies

6) Project

P-6 -- Colossal Cave Mountain Park Improvements

Location: Posta Quemada Ranch Site

Bond Funding: \$500,000

Scope: Work consists of renovation of historical structures, ADA improvements, and improvements to rest rooms, sidewalks, drinking fountains, picnic tables and benches, and installation of security lighting. Work will include remodeling of the headquarters, office quarters, La Selvilla ramada, repair of park service adobe building, snack bar, reconstruction of the main ramada and construction of new rest rooms.

Benefit: Code and structural renovations to existing facilities as well as ADA compliance elements, increased ability to keep up with user demand.

Other Funding: \$0

Implementation Period: 3, 4

Future Operating & Maintenance Costs: Costs will be mostly absorbed through the existing management agreement for Colossal Cave Park.

7) Project

P-7 -- Rillito Park Improvements

Location: 4502 North First Avenue

Bond Funding: \$1,619,326

Scope: The original scope included installation of turf areas for soccer fields in the racetrack infield and lighted soccer fields northwest of the track facilities and water conversion for irrigation from groundwater to reclaimed water. The Scope is amended to include Phase Two, to construct one soccer field on the west side of the race track, one restroom, drinking fountains, additional parking, security lighting and a paved entrance road from River Road.

Benefit: The improvements will expand the number of fields and playing times and reduce potable water use.

Other Funding: \$0

Implementation Period: Phase One 1, 2 Complete
Phase Two 3, 4

Future Operating & Maintenance Costs: \$15,000

8) Project P-8 -- Mehl-Foothills Park Improvements

Location: 4001 East River Road

Bond Funding: \$435,000

Scope: Work will consist of construction of new lighted soccer field and the demolition of existing site elements, tree transplanting and re-grading considerations.

Benefit: Accommodation of heavy demand for a soccer field facility from the community and organized soccer leagues.

Other Funding: \$5,815 General Funds

Implementation Period: 1, 2 Complete

Future Operating & Maintenance Costs: Costs to be paid by City of Tucson through an intergovernmental agreement with Pima County.

9) Project P-9 -- James D. Kriegh Park Improvements

Location: 23 West Calle Concordia

Bond Funding: \$250,000

Scope: Installation of lighting improvements to the football stadium on Canyon del Oro High School property.

Benefit: Provides additional football field use and increases the efficiency of the existing lighting.

Other Funds: \$0

Implementation Period: 3, 4, 5

Future Operating & Maintenance Costs: Costs to be paid by Oro Valley through an intergovernmental agreement with Pima County

10) Project P-10 -- Coronado Middle School Play Field Lighting

Location: 4300 East Wilds Road

Bond Funding: \$632,800

Scope: Work will consist of existing utility upgrades and construction of a new sports lighting system for existing athletic fields.

Benefit: Accommodation of nighttime use of existing fields to maximize the use potential for the leagues and school district.

Other Funding: \$0

Implementation Period: 1 Complete
Future Operating &
Maintenance Costs: \$5,500

11) Project

P-11 -- Yaqui Park Improvements

Location: South Tucson
Bond Funding: \$1,246,351
Scope: Work will include renovation work on existing basketball court, ramada, picnic facility, paving and circulation including security lighting, turf development, rest rooms, and courts. This project also includes the installation of a ramada at the Kino Coalition/Hidalgo Neighborhood Park. This project is being designed and constructed in conjunction with P-35, Tucson Diversion Channel Soccer Field at Yaqui Park.
Benefit: Will help to meet the community needs for recreation programs and center facilitation.
Other Funding: \$71,088 (Community Development Block Grant)
Implementation Period: 1, 2, 3, 4, 5, 6, 7, 8
Future Operating &
Maintenance Costs: Costs to be paid by the City of South Tucson through an intergovernmental agreement with Pima County

12) Project

P-12 -- South Tucson Play Field Lighting Improvements

Location: South Tucson - Paseo De Lupe Eckstrom
Bond Funding: \$51,765
Scope: Work includes identification, engineering and construction of lighting improvements to an existing playing field adjacent to Paseo De Lupe Eckstrom in the general South Tucson community.
Benefit: Upgrade to industry and league lighting standards to accommodate and maximize safe nighttime use.
Other Funding: \$0
Implementation Period: 1 Complete
Future Operating &
Maintenance Costs: Minimal

13) Project

P-13 -- Freedom Park Center Improvements

Location: 5000 East 29th Street
Bond Funding: \$1,400,000
Scope: The Project improvements consist of the design and construction of an approximately 11,650 square foot building that includes the following: (1) Educational Facility - 1 classroom, a library/study/resource room, 2 tutor rooms; (2) Social Services Facility - a music/teen room and weight room; (3) Multi-Purpose Room - a multipurpose space that can accommodate 150 people and is served by a kitchen and restrooms; and (4) Public and Administration Space - an entry lobby with a reception desk and restrooms, an outdoor courtyard, a center supervisor's office, 2 staff offices, a staff work room, and a conference room.
Benefit: Expand indoor services for youth, adults, and senior citizens
Other Funding: \$610,000 (City of Tucson)

Implementation Period: 2, 3, 4
Future Operating & Maintenance Costs: Costs to be paid by City of Tucson through an intergovernmental agreement with Pima County.

14) Project

P-14 -- Sahuarita District Park Improvements

Location: 15500 South Country Club Road, Sahuarita, Arizona
Bond Funding: \$700,000
Scope: Construction will include a new little league 200-foot ball field and existing little league lighting, 100 vehicle parking spaces on various lots, utility upgrades and elements noted above.
Benefit: Improvements will meet the growing community demand for park recreational facilitation. Lighting of the little league field will maximize field use.
Other Funding: \$0
Implementation Period: 2, 3, 4
Future Operating & Maintenance Costs: \$13,500

15) Project

P-15 -- Augie Acuña-Los Niños Neighborhood Park Improvements

Location: 5432 Bryant Avenue
Bond Funding: \$90,259
Scope: Work will consist of a standard concession facility, with a 300 square foot building with storage and serving areas.
Benefit: Assists youth leagues with their fund-raising.
Other Funding: \$0
Implementation Period: 1 Complete
Future Operating & Maintenance Costs: \$4,000

16) Project

P-16 -- Sam Lena Recreation Area Improvements

Location: 3400 South Country Club Road
Bond Funding: \$89,870
Scope: Work will consist of a standard concession facility, with a 300 square foot building with storage and serving areas.
Benefit: Assists youth leagues with their fund-raising.
Other Funding: \$0
Implementation Period: 1 Complete
Future Operating & Maintenance Costs: \$4,000

17) Project

P-17 -- Santa Rita Park Lighting Improvements

Location: 400 East 22nd Street
Bond Funding: \$200,000
Scope: Work will consist of installing lighting for an existing baseball field in the park.
Benefit: Increases field usage for an expanding little league organization.
Other Funding: \$640 General Funds
Implementation Period: 1

Future Operating & Maintenance Costs: Costs to be paid by City of Tucson through an intergovernmental agreement with Pima County.

18) Project: P-18 -- Armory Park/Children's Museum Improvements

Location: 200 South Sixth Avenue

Bond Funding: \$250,000

Scope: This will be a joint project with Children's Museum to improve historical integrity of Carnegie Library building and tots adventure/educational play area. Work will consist of possible renovation of existing rest rooms, fencing, and an educational play area for tots.

Benefit: Maintains historical integrity of the building and creates a new free play area for children in the Armory Park neighborhood.

Other Funding: \$0

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

Future Operating & Maintenance Costs: Costs to be paid by City of Tucson and the Tucson Children's Museum through an intergovernmental agreement with Pima County.

19) Project P-19 -- Linda Vista Park Improvements

Location: NW Linda Vista Boulevard & Camino Del Plata

Bond Funding: \$280,000

Scope: Work will consist of design development and construction of amenities, all new construction, including rest rooms, irrigation, basketball court, sidewalks, turf development, ramada, picnic sites, and playground.

Benefit: Development of park recreational facilities to accommodate the growing community demand.

Other Funding: \$50,200 (Earned interest from non-bond deposit to capital account)

Implementation Period: 2, 3, 4

Future Operating & Maintenance Costs: \$15,000

20) Project P-20 -- Three Points Veterans Memorial Park Lighting Improvements

Location: 10211 South Sasabe Road, Three Points, Arizona

Bond Funding: \$485,000

Scope: Work will consist of development of sports lighting for two existing little league fields with a multi-use configuration soccer/football field.

Benefits: Facilitate and maximize the use of existing athletic fields through nighttime games for the growing community/leagues.

Other Funding: \$0

Implementation Period: 2 Complete

Future Operating & Maintenance Costs: \$22,000

21) Project P-21 -- Picture Rocks Park Improvements

Location: 5615 North Sanders Road, Picture Rocks, Arizona

Bond Funding: \$1,096,685

Scope: Work will consist of design development and new construction in association with the existing community center, with a basketball court,

playground, volleyball court, and horseshoes, plus two little league/soccer fields, rest room, maintenance building, playground, parking, security lighting, ramadas and picnic areas.

Benefit: Development of park recreational facilities to accommodate demand of the growing community.

Other Funding: \$162,000 (Federal Aid - CDBG Grant)

Implementation Period: 2, 3, 4

Future Operating & Maintenance Costs: \$35,500

22) Project P-22 -- Southeast Regional Park Shooting Range Improvements

Location: 11300 South Houghton Road,

Bond Funding: \$1,232,218

Scope: The first phase of the shooting range, located within the County's Southeast Regional Park, will include an entry drive into the site, a parking lot and a shooting range with targets at 50, 100, and 200 yards. The shooting range will be designed to be phased to accommodate future installation of safety baffles if they should be necessary in the future.

Benefit: Development of a safe, high quality, easily accessible shooting range on the Southeast side of the metropolitan area.

Other Funding: \$100,000 (State Aid)

Implementation Period: 3, 4

Future Operating & Maintenance Costs: \$29,000

23) Project P-23 -- Lawrence District Park Lighting Improvements

Location: 6855 South Mark Road

Bond Funding: \$374,800

Scope: Work will consist of new construction of sport lighting for two 200 foot little league ball fields with a soccer field multi-use configuration, irrigation re-design, and renovated construction with utility upgrade.

Benefit: Develop sport lighting of ball fields to maximize use of the fields in accommodating community/league demand.

Other Funding: \$0

Implementation Period: 2 Complete

Future Operating & Maintenance Costs: \$22,000

24) Project P-24 -- Vail Park Improvements

Location: Vail Unified School District new Cienega High School Site

Bond Funding: \$562,000

Scope: Work consists of new construction of park facilities, including picnic sites, ramadas, rest rooms, parking lot, security lighting and fencing.

Note: The Vail School District managed the project and contributed an additional \$2.1 million to the amount identified in the ordinance for park/high school facilities.

Benefit: Will help to meet the community needs for recreation programs and center facilitation.
Other Funding: \$0
Implementation Period: 2, 3
Future Operating & Maintenance Costs: Operating and maintenance costs will be shared by Pima County and Vail Unified School District pursuant to an agreement to be executed.

25) Project

P-25 -- Udall Park Improvements

Location: 7200 East Tanque Verde Road
Bond Funding: \$500,000
Scope: This project is been divided into two phases. In Phase One, Pima County designed and installed lighting for the existing Little League baseball field in time for the 2002 Little League season. In Phase Two, Pima County executed an Intergovernmental Agreement authorizing the City of Tucson to design and develop youth sports fields, including approximately 60,000 square feet of youth soccer fields and 30,000 square feet of related parking. The City of Tucson will fund additional parking, a dog run, a unisex comfort station, four lighted tennis courts and a new west entrance to the park.
Benefit: New recreational facilities will handle athletic play at night and add new recreational activities to this area..
Other Funding: \$615,000 - City of Tucson funding
Implementation Period: Phase One 3 Complete
Phase Two 3, 4
Future Operating & Maintenance Costs: Costs to be paid by City of Tucson through an intergovernmental agreement with Pima County.

26) Project

P-26 -- Old Nogales Park Land Acquisition

Location: Near Summit Road and Epperson Lane
Bond Funding: 100,000
Scope: Acquisition of 40 acres to be used for a district park
Section 5, 16S/14E GR - 1
Benefit: Establish a park site for future improvements.
Other Funding: \$0
Implementation Period: 1, 2 Complete
Future Operating & Maintenance Costs: None until park developed.

27) Project

P-27 -- Catalina Park Land Acquisition

Location: South of Golder Ranch Drive, east of Oracle Road
Bond Funding: \$6,554
Scope: Acquisition of 40 acres to be used as a district park
Sections 11, 12, and 16, 11S/14E
Section 16 - GR-1
Section 11,12 – RH
The Flood Control District has acquired land along the Canada del Oro Wash for this purpose, therefore the project is completed without the need for bond funds.

Benefit: Establish a park site for future improvements.
Other Funding: \$0
Implementation Period: 1, 2, 3, 4, 5
Future Operating & Maintenance Costs: None until park is developed.

28) Project

P-28 -- Ryan Field Park Land Acquisition

Location: South of Ajo Way, north of Valencia Road
Bond Funding: \$61,543
Scope: Through the Recreation and Public Purposes Act, Pima County secured donation of an 80-acre parcel of land from the Bureau of Land Management as the site for the future district park and expended bond funds to complete a master plan for the park, which will be developed when funding becomes available.

Benefit: Establish a park site for future improvements.
Other Funding: \$0
Implementation Period: 1, 2, 3, 4 Complete
Future Operating & Maintenance Costs: None until park is developed.

29) Project

P-29 -- Rita Ranch District Park

Location: Rita Ranch District Park (Purple Heart Park)
Bond Funding: \$350,000
Scope: Design and construction of park features to expand recreation development for the existing park due to inadequate funding for park improvements by the City of Tucson.

Benefit: Provision of park features and amenities to serve a rapidly growing population in southeast metropolitan Pima County.
Other Funding: \$0
Implementation Period: 2 Complete
Future Operating & Maintenance Costs: None until park is developed.

30) Project

P-30 -- Rillito River Park - La Cholla to I-10

Location: La Cholla to I-10
Bond Funding: \$839,170
Scope: The project is a two-mile extension of the Rillito River Park, with Phase 1 being completed by the U.S. Army Corps of Engineers, including irrigation, walking paths, and landscaping. Phase 2 includes restrooms at adjacent Dan Felix Memorial Park and a one mile extension of the 6-inch reclaimed water line to serve future recreation development within the Rillito River corridor.

Benefit: Extend newly constructed river park facilities and recreational opportunity from existing facility to meet the community demand and river park access.
Other Funding: \$60,000 (State Aid)
Implementation Period: 2, 3, 4
Future Operating & Maintenance Costs: \$50,000 per mile

31) Project	<u>P-31 -- Rillito River Park - Campbell to Alvernon</u>
Location:	Campbell to Alvernon
Bond Funding:	\$2,261,202
Scope:	The project is a two-mile extension of the Rillito River Park being completed by the U.S. Army Corps of Engineers, including irrigation, bike and walking paths, and landscaping. The project also includes the south bank of the Rillito River Park from Mountain Ave. to Campbell Ave.
Benefits:	Extend newly constructed river park facilities and recreational opportunities from existing facilities to meet the community demand and river park access.
Other Funding:	\$0
Implementation Period:	2, 3, 4, 5, 6, 7, 8
Future Operating & Maintenance Costs:	\$50,000 per mile
32) Project	<u>P-32 -- Rillito Park at Columbus Boulevard District Park</u>
Location:	Columbus Boulevard at the Rillito River (Node Park as part of the County River Park System) and the south bank of the Rillito River from First Avenue to Mountain Avenue
Bond Funding:	\$634,471
Scope:	The Project Scope and funding will be coordinated with the U.S. Army Corps of Engineers' Habitat Restoration Project along the Rillito River linear park. The scope also includes improvements to the south bank of the Rillito River from First Avenue to Mountain Avenue partially funded by a Transportation Enhancement grant.
Benefit:	Expand park services and connectivity in areas of high demand.
Other Funding:	\$444,263 (Transportation Enhancement Grant)
Implementation Period:	2, 3, 4, 5, 6, 7
Future Operating & Maintenance Costs:	To be determined.
33) Project	<u>P-33 -- Rillito Park at River Bend</u>
Location:	North side of Rillito River Between Country Club and Alvernon Way - general river bend area
Bond Funding:	\$1,035,000
Scope:	Acquisition of 15.5 acres for park and recreational amenities within the River Bend area. Design of the park and recreational amenities will be coordinated with design of the River Rd, Campbell to Alvernon and Alvernon, Ft. Lowell to River transportation projects
Benefit:	Facilitate the need for park elements, equestrian facilities, and athletic fields in a centralized location of a high demand area.
Other Funding:	\$0
Implementation Period:	3, 4, 5 Complete
Future Operating & Maintenance Costs:	\$30,000
34) Project	<u>P-34 -- Oro Valley Cañada Del Oro River Park</u>
Location:	South Side of Cañada Del Oro Wash, from La Cañada to First Avenue, Oro Valley, Arizona

Bond Funding: \$1,000,000
 Scope: Development of a 3-mile river park (public linear park) system along the Cañada del Oro Wash, including bike path, walking path and pedestrian bridges.
 Benefit: Accommodate access along the Cañada del Oro Wash and facilitate the need for recreational opportunities to the growing community.
 Other Funding: \$0
 Implementation Period: 2, 3, 4, 5, 6
 Future Operating & Maintenance Costs: Costs to be paid by Town of Oro Valley through an intergovernmental agreement with Pima County.

35) Project **P-35 -- Tucson Diversion Channel Soccer Field at Yaqui Park**
 Location: City of South Tucson along the flood control facility at Yaqui Park
 Bond Funding: \$1,884
 Scope: Work consists of development of a soccer field facility at Yaqui Park. This project is being sited, designed and constructed in conjunction with P-11, Yaqui Park Improvements. This project has been closed and scope items will be built as a part of P-11 Yaqui Park.
 Benefit: Facilitate the need for soccer fields and park amenities in a high demand area of the community.
 Other Funding: \$0
 Implementation Period: 2, 3, 4
 Future Operating & Maintenance Costs: Due to the limited size of the park, costs should be minimal

36) Project **P-36 -- Santa Cruz River Park, Irvington to Valencia**
 Location: Santa Cruz River, Irvington to Valencia, Southwest Tucson
 Bond Funding: \$1,200,000
 Scope: Work consists of development of a public linear park extension along the Santa Cruz River, from Irvington to Valencia, including bike and walking paths, ramadas, picnic areas, irrigation, landscaping, and parking.
 Benefits: Accommodation of the public need for linear park access and facilitation of recreational opportunity.
 Other Funding: \$0
 Implementation Period: 2, 3, 4, 5, 6, 7
 Future Operating & Maintenance Costs: \$50,000 per mile

37) Project **P-37 -- Santa Cruz River Community Park**
 Location: Grande Avenue North of Congress
 Bond Funding: \$850,000
 Scope: Work consists of development of a soccer field complex located at Menlo Park Elementary School and will include relocation of existing basketball courts, appropriate signage, turf, irrigation system improvements as necessary, portable soccer goals, lighting and additional shared use parking facilities.
 Benefit: Accommodate the needs of the leagues and community for athletic fields and general park recreational opportunities.

Other Funding: \$0
Implementation Period: 1, 2, 3, 4, 5, 6, 7
Future Operating & Maintenance Costs: Costs to be paid by City of Tucson through an intergovernmental agreement with Pima County.

38) Project **P-38 -- Northwest Pool/Marana USD**
Location: Marana High School, at 12000 West Emigh
Bond Funding: \$1,300,000
Scope: Construct a pool and bathhouse at the site of the Marana High School, for joint use by the public and the high school.
Benefits: Provide a swimming pool facility for the residents of northwest Pima County.
Other Funding: \$890,000 Marana Unified School District
Implementation Period: 2, 3 Complete
Future Operating & Maintenance Costs: To be negotiated with the Marana Unified School District.

39) Project **P-39 -- Canyon Del Oro Riverfront Park**
Location: Lambert Lane, Oro Valley, Arizona
Bond Funding: \$1,250,000
Scope: Work consists of development of an integral district park in the northwest area that will be all new construction, including 4 ball fields, rest rooms, ramadas, picnic areas, parking, sidewalks, playground, volleyball, basketball, horseshoes, landscape, and access to CDO Wash.
Benefit: Develop recreational opportunities for a fast growing community, keeping up with demand.
Other Funding: \$1,245,754 funding by Town of Oro Valley
Implementation Period: 2, 3 Complete
Future Operating & Maintenance Costs: Cost to be paid by Oro Valley through an intergovernmental agreement with Pima County.

40) Project **P-40 -- Old Nogales Park**
Location: SW - Old Nogales Highway
Bond Funding: \$959,032
Scope: Work will consist of development of a district park facility of all new construction, including athletic fields, parking, fencing, rest rooms, maintenance building, ramadas, picnic areas, playgrounds, lighting, basketball court, landscape.
Benefit: Facilitate recreational opportunity to the growing community south of Sahuarita.
Other Funds: \$50,000 CDBG Grant
Implementation Period: 2, 3, 4
Future Operating & Maintenance Costs: \$45,000

41) Project **P-41 -- Kino Community Field Lighting Improvement**
 Location: Ajo Way and Forgeus
 Bond Funding: \$317,387
 Scope: Work consists of upgrading existing utilities and the construction of new athletic sports field lighting facilities in conjunction with lighting codes, regulations, and requirements.
 Benefit: Maximize use of existing athletic fields for the community.
 Other Funding: \$0
 Implementation Period: 1, 2 Complete
 Future Operating & Maintenance Costs: \$10,000

42) Project **P-42 -- Flowing Wells Park**
 Location: South of Rillito River - County Owned Unincorporated Area
 Bond Funding: \$2,304,830
 Scope: Work consists of development of park elements and sports fields, community recreational park amenities on a district scale use, including athletic fields, rest rooms, ramadas, picnic areas, playground, jogging path, basketball courts, volleyball courts, lighting, and parking.
 Benefit: Facilitating the demand for community recreational opportunity in the northwest.
 Other Funding: \$25,475 (\$25,000 Federal Aid - CDBG Grant; \$475 Private Contribution)
 Implementation Period: 2, 3, 4 Complete
 Future Operating & Maintenance Costs: \$25,000

43) Project **P-43 -- Roadrunner School/Community Park**
 Location: 16651 Calle Carnella
 Bond Funding: \$0
 Scope: Work consists of development of a community neighborhood park of new construction in association with existing school facilities, including playground, turf area, picnic area, ramada, lighting, sidewalks, and parking.
 Benefit: Recreational facilitation to the growing community in cooperation with the school's existing recreation needs - community/school facility.
 Other Funding: Project completed by Marana Unified School District
 Implementation Period: 3, 4
 Future Operating & Maintenance Costs: \$12,000

44) Project **P-44 -- Branding Iron Park**
 Location: South of Drexel Road, North of Valencia Boulevard, West of Camino Verde, located within the Branding Iron Circle. Section 10, T15S, R12E
 Bond Funding: \$100,000
 Scope: Work consists of design and development of a public community recreational facility, including neighborhood center and park, in Branding Iron Subdivision.
 Benefit: Neighborhood park community recreational opportunity.
 Other Funding: \$187,105 CDBG Grant
 Implementation Period: 1

Future Operating & Maintenance Costs: Minimal

45) Project

P-45 -- Marana Rattlesnake Park (Continental Ranch)

Location: Continental Ranch

Bond Funding: \$500,000

Scope: Work consists of development of newly constructed park facilities in the northwest accommodating the Rillito and Continental Ranch areas, including athletic field, playground, ramadas, picnic areas, rest rooms, basketball court, volleyball court, parking, lights, and landscaping.

Benefit: Accommodating the growing recreational needs of the northwest community.

Other Funding: \$85,491 Flood Control Tax Levy

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

Future Operating &

Maintenance Costs: If the site for the park lies within the town limits of Marana, the cost will be paid by the Town of Marana through an intergovernmental agreement with Pima County.

46) Project

P-46 -- Columbus Park

Location: 3600 North Silverbell Road

Bond Funding: \$2,000,000

Scope: Work consists of development of newly constructed park facilities within an existing 300-acre park, little league fields, river park staging area, family picnic areas, ramadas, rest rooms, parking, and landscaping.

Benefits: Facilities will serve to relieve the demand on the leagues for sports fields, as well as for community demand for equestrian and park facility recreational opportunity.

Other Funding: \$0

Implementation Period: 3, 4, 5, 6

Future Operating &

Maintenance Costs: Cost to be paid by City of Tucson through an intergovernmental agreement with Pima County.

47) Project

P-47 -- Tanque Verde Community Center

Location: 2300 North Tanque Verde Loop

Bond Funding: \$700,000

Scope: Work consists of construction of a community recreation center, including playground, lighting, parking, access, sidewalks, landscaping, benches, and signage.

Benefit: Community center recreational need accommodation

Other Funding: \$110,000

Implementation Period: 1 Complete

Future Operating &

Maintenance Costs: \$195,000

48) Project	<u>P-48 -- Roy P. Drachman-Agua Caliente Regional Park Visitor Center</u>
Location:	12325 East Roger Road
Bond Funding:	\$667,000
Scope:	Work consists of development of a newly constructed visitor center within a 100-acre existing natural resource park, including visitor center, interpretive signage and displays, and education and meeting rooms.
Benefit:	Meeting the need for interpretive education (natural resources).
Other Funding:	\$36,496 (State Heritage Fund Grant)
Implementation Period:	2, 3, 4
Future Operating & Maintenance Costs:	\$39,000
49) Project	<u>P-49 -- Arivaca Community Center Expansion</u>
Location:	Arivaca, Arizona
Bond Funding:	\$200,000
Scope:	Work consists of upgrades to an existing community center facility, including utilities, meeting rooms, program rooms, playground, and interiors.
Benefit:	ADA accommodation upgrades, relief on demand for facility.
Other Funding:	\$0
Implementation Period:	2 Complete
Future Operating & Maintenance Costs:	Minimal since desired facility operation from community volunteers and this improvement will expand existing facility.
50) Project	<u>P-50 -- Sopori Pool</u>
Location:	6001 West Arivaca Road, Amado, Arizona
Bond Funding:	\$300,000
Scope:	Work consists of development of a newly constructed community pool within the greater Sopori area, including a new free play pool and swim lanes, a zero depth entry, guardhouse, and bath house.
Benefit:	Meeting the community need for a community pool.
Other Funding:	\$0
Implementation Period:	2, 3
Future Operating & Maintenance Costs:	\$145,000
51) Project	<u>P-51 -- Lawrence Park Infrastructure Improvements</u>
Location:	6855 South Mark Road
Bond Funding:	\$680,000
Scope:	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 as well as a softball field will be constructed at this time.
Benefit:	Community center recreation and programming classes.
Other Funding:	\$0
Implementation Period:	4, 5, 6, 7, 8

Future Operating &
Maintenance Costs: \$334,000

52) Project

P-52 -- Drexel Heights Community Center

Location: 5200 South Westover

Bond Funding: \$589,769

Scope: Work consists of development of a new recreation center within an existing district park, including meeting and programming rooms, access, parking, signage, landscaping, and benches.

Benefit: Meeting the demands for a community center facility within a high use area.

Other Funding: \$0

Implementation Period: 2, 3 Complete

Future Operating &
Maintenance Costs: \$256,000

53) Project

P-53 -- Ochoa-Lena Resource Center

Location: South Tucson, Arizona

Bond Funding: \$800,000

Scope: Work consists of construction of a new resource center with a patio, basketball court, computer room and library room, adjacent to the Ochoa Elementary School and Valenzuela Center campus.

Benefit: Joint cooperation among communities and public agencies to benefit youth through center development.

Other Funding: \$0

Implementation Period: 1

Future Operating &
Maintenance Costs: \$240,000

54) Project

P-54 -- Kino Community Education & Resource Center

Location: Ajo Way and Forgeus

Bond Funding: \$1,000,000

Scope: Construction of a center for teens and local public use with an emphasis on library and community education, including parking, building, and furnishings.

Benefit: Expands services to teens locally.

Other Funding: \$0

Implementation Period: 2, 3

Future Operating &
Maintenance Costs: \$310,000

55) Project

P-55 -- Clements Recreational Facility

Location: 4325 South Pantano Road

Bond Funding: \$2,500,000

Scope: Work consists of development of a recreational center, infrastructure, and park amenities, including improvements to roadway, parking, lighting, landscaping, irrigation, and picnic facilities.

Benefit: Expand indoor and outdoor recreation facilities for youth in southeast area of Pima County.

Other Funding: \$0

Implementation Period: 2, 3, 4

Future Operating &

Maintenance Costs: Cost to be paid by City of Tucson through an intergovernmental agreement with Pima County.

56) Project

P-56 -- Thomas Jay Community Center

Location: 6465 South Craycroft Road

Bond Funding: \$790,968

Scope: Work consists of upgrades to the existing center, and design of park improvements including a new ball field north of Julian Wash.

Benefit: Will help to meet the community needs for recreation programs and center facilitation, and will provide the design of additional recreation facilities.

Other Funding: \$88,000 CDBG Grant

Implementation Period: 4, 5, 6

Future Operating & Maintenance Costs: Minimal costs will be paid by Pima County.

57) Project

P-57 -- Quincie Douglas Park Pool

Location: 1100 East Silverlake Road

Bond Funding: \$2,000,000

Scope: Work consists of new construction of a swimming pool and related facilities.

Benefit: Meets community needs for a pool facility.

Other Funding: \$0

Implementation Period: 2, 3, 4, 5

Future Operating & Maintenance Costs: Cost to be paid by City of Tucson through an intergovernmental agreement with Pima County.

58) Project

P-58 -- Northwest Community Center/Aquatic Center (YMCA)

Location: County-owned property at Shannon and Magee

Bond Funding: \$4,752,109

Scope: New construction of a community center building, community pool, bathhouse, guardhouse, parking, ramadas, picnic areas, playground, benches, landscaping, signage, in cooperation with the newly proposed YMCA, and athletic fields. This project will be designed, constructed, and operated and maintained in cooperation with the new northwest campus of Pima County Community College District at the same site.

Benefit: Serve the demand of a high growth area in the northwest Tucson community, where presently there are no facilities such as this one in the area.

Other Funding: The YMCA will provide between \$2 million and \$3 million in funding to complete the project. Negotiations are underway with Pima County Community College District for further cost sharing arrangements.

Implementation Period: 1, 2, 3 Complete

Future Operating & Maintenance Costs: Costs will be shared with the YMCA and Pima County Community College District.

59) Project

Location:

Bond Funding:

Scope:

Benefit:

Other Funding:

Implementation Period:

Future Operating &

Maintenance Costs:

P-59 -- Tortolita Shooting Range

Southeast Regional Park

\$0

Infrastructure improvements and design for a state-of-the-art shooting facility, including design, grading, utilities, and paving. Note: This project was relocated to Southeast Regional Park where separate funding was used to complete the shooting range project.

Provide a comprehensive shooting facility for rifles, pistols, shotguns, and bows to conduct target practice certification and competition.

\$0

Complete

Costs to be paid by leasing the facility to a non-profit special interest group.

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

For the purpose of acquiring, expanding, developing and restoring real and personal property for open space and preservation purposes, including Sonoran Desert habitats containing Saguaro cactus and wildlife, public trails and access to trails; and properties of cultural and historic significance and paying all expenses properly incidental thereto and to the issuance of such bonds, shall Pima County, Arizona be authorized to issue and sell general obligation bonds of the County, in an aggregate principal amount not exceeding \$36,330,000?

1) Project

SD-1 -- Tucson Mountain Park - General

Location: West
 Bond Funding: \$7,494,278
 Scope: Land acquisition of 600 or more acres. Land acquisition of four parcels adjacent to Tucson Mountain Park on the east boundary. The areas are Gates Pass, Twin Hills, 36th Street and Camp Cooper. The land will connect areas of the park and protect the view shed. An alternate acquisition is 100 acres of scenic gateway property along Gates Pass Road.
 Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
212-04-003N	2	14 S	12 E	SR
003E,003F	2	14 S	12 E	SR
212-10-003	11	14 S	12 E	SR
116-08-009,11,12	7	14 S	13 E	SR
118-02-003A,B,4	20	14 S	13 E	SR
119-31-023B-F	29	14 S	13 E	SR
Alternate	12	14 S	12 E	SR
Las Lomas Ranch	6	14S	13E	
212-01-002B	1	14S	12E	
212-11-015A	1	14S	12E	
Saguaro Cliffs	6	14S	13E	

Trails End Arizona Preserve Initiative
 Benefit: Protection of the Sonoran Desert.
 Other Funding: To be determined; General Fund; Starr Pass Environmental Enhancement Funds; Growing Smarter Matching Funds; or other sources to be determined.
 Implementation Period: 2, 3, 4, 5, 6
 Future Operating & Maintenance Costs: Minimal

2) Project

SD-2 -- Tucson Mountain Park - Painted Hills

Location: West
 Bond Funding: \$0
 Scope: Land acquisition - 400 acres to be acquired. Land acquisition adjacent to the park in the Anklam/Speedway area to retain scenic value and wildlife corridors to the Santa Cruz River.
 Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
116-09-005D	8	14 S	13 E	RX-2
116-09-006	8	14 S	13 E	CR-1
116-08-008	8	14 S	13 E	SR
116-08-009	8	14 S	13 E	SR
116-08-010D	8	14 S	13 E	SR

Benefit: Protection of the Sonoran Desert.
 Other Funding: \$1,800,000
 Implementation Period: 2, 3, 4, 5
 Future Operating & Maintenance Costs: Minimal

3) Project SD-3 -- Tucson Mountain Park - Robles Pass

Location: West
 Bond Funding: \$5,985,989
 Scope: Land acquisition - 400 or more acres to be acquired. Land acquisition is south of Ajo Way and the southern boundary of Tucson Mountain Park. The goal is to protect the upper slope and ridge-line, scenic views at a gateway to Tucson and to preserve a sensitive wildlife habitat area.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
119-34-001J	32	14 S	13 E	SR
119-34-001K	32	14 S	13 E	SR
119-35-187	33	14 S	13 E	SR
119-35-188	33	14 S	13 E	SR

Robles Pass Arizona Preserve Initiative
 Benefit: Protection of the Sonoran Desert.
 Other Funding: General Fund; Starr Pass Environmental Enhancement Funds; Growing Smarter Matching Funds; or other sources to be determined.
 Implementation Period: 2, 3 Complete
 Future Operating & Maintenance Costs: Minimal

4) Project SD-4 -- Tucson Mountain Park - Los Morteros

Location: West
 Bond Funding: \$487,076
 Scope: Land acquisition - 125 acres to be acquired. Land acquisition is along the northern end of the Tucson Mountains. The goal is to protect scenic slopes and important archaeological and historic sites including a major Hohokam village, an Anza expedition campsite and a Butterfield Stage site.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
226-03-033A-H	17	12 S	12 E Marana	C
221-02-002,3A,6C	20	12 S	12 E	SH

Benefit: Protection of the Sonoran Desert.
 Other Funding: \$0
 Implementation Period: 2, 3, 4, 5, 6
 Future Operating & Maintenance Costs: Minimal

5) Project

Location:
 Bond Funding:
 Scope:

SD-5 -- Tortolita Mountain Park

Northwest
 \$4,028,950
 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

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, 6
 Future Operating & Maintenance Costs: Minimal

6) Project

Location:
 Bond Funding:
 Scope:

SD-6 -- Tortolita Ironwood Forest

Northwest
 \$1,000
 Land acquisition - 1,000 or more acres to be acquired. Land acquisition to protect valued ironwood forest on the western planning boundary of the Tortolita Mountain Park Master Plan.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
217-04-001	4	11 S	11 E	RH
217-05-001	5	11 S	11 E	RH
217-06-001D	6	11 S	11 E	RH
217-07-001A,2	7	11 S	11 E	RH
217-08-001,2	8	11 S	11 E	RH
217-09-001	9	11 S	11 E	RH
217-16-001A	16	11 S	11 E	RH
217-17-001	17	11 S	11 E	RH

Tortolita Alluvial Fan/Ironwood Forest Arizona Preserve Initiative

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

7) Project SD-7 -- Catalina State Park Expansion

Location: Northwest
 Bond Funding: \$1,000
 Scope: Land Acquisition - 200 or more acres to be acquired. Land acquisition of acreage along the northern boundary of the Catalina State Park to protect scenic views, preserve wildlife habitat and expand park.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
222-34-002	14	11 S	14 E	RH
222-47-001	22	11 S	14 E	RH
222-48-005	22	11 S	14 E	RH

Catalina State Park Expansion Arizona Preserve Initiative

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

8) Project SD-8 -- Canoa Ranch

Location: South
 Bond Funding: \$4,562,037
 Scope: Land acquisition - 4,600 acres to be acquired. Land acquisition of historic ranch property, archaeological and historic sites and trail connections on the Spanish Land Grant property.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
304-28-001Q	9,10,15,16	19 S	13 E	RH
304-28-001R	20,21,22	19 S	13 E	RH
304-28-001R	28,29,33	19 S	13 E	RH

Benefit: Protection of the Sonoran Desert.
 Other Funding: \$2,050,000
 T-23B, Various Trail Acquisitions \$250,000
 CH-29, Canoa Ranch Building Rehabilitation \$200,000
 General Obligation Bond Interest \$500,000
 1986 Flood Prone Land Acquisition Bonds \$800,000
 Flood Control District 2000/01 Fund Balance \$300,000

Implementation Period: 1, 2, 3 Complete
 Future Operating & Maintenance Costs: Minimal

9) Project**SD-9 -- Mt. Lemmon Highway Base**

Location: Northeast
 Bond Funding: \$0
 Scope: Land acquisition - 60 acres to be acquired. Land acquisition west of Mt. Lemmon Highway to protect the scenic slopes and view value of the Santa Catalina Mountains.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
205-30-001	17	13 S	16 E	SR
205-30-003	17	13 S	16 E	SR
205-32-002	18	13 S	16 E	SR

Benefit: Protection of the Sonoran Desert.

Other Funding: \$500.000

Implementation Period: 3, 4, 5

Future Operating & Maintenance Costs: Minimal

10) Project**SD-10 -- Tumamoc Hill**

Location: West
 Bond Funding: \$223,548
 Scope: Land acquisition - 320 acres to be acquired. Land acquisition within the city limits of the City of Tucson east of Greasewood to protect scenic landmarks in a rapidly developing area that is rich in wildlife and contains archaeological sites and a University Research Station.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
116-24-107	15	14 S	13 E	CR-1
116-26-754	16	14 S	13 E	CR-1

Benefit: Protection of the Sonoran Desert.

Other Funding: \$0

Implementation Period: 3, 4, 5, 6

Future Operating & Maintenance Costs: Minimal

11) Project**SD-11 -- Tortolita Shooting Range**

Location: Northwest
 Bond Funding: \$24,881
 Scope: Land acquisition - 160 acres to be acquired. Land acquisition is north of Tangerine Road and east of the freeway. The Central Arizona Project water canal will act as a buffer area for a regional shooting facility to be built in conjunction with the Bureau of Reclamation and a non-profit lessee.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
218-49-001	31	11 S	12 E	RH

Benefit: Protection of the Sonoran Desert.

Other Funding: \$0

Implementation Period: On-Hold due to Pygmy Owl Studies.

Future Operating & Maintenance Costs: Minimal

12) Project RW-11 -- Agua Caliente Creek

Location: Northeast
Bond Funding: \$798,307
Scope: Land acquisition - 150 acres to be acquired. Land acquisition adjacent to Coronado National Forest to provide access to two of the valley's most scenic canyons and forest trails.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
205-29-001	16	13 S	16 E	SR

through
205-29-020

Benefit: Protection of the Sonoran Desert.
Other Funding: \$0
Implementation Period: 3, 4, 5
Future Operating & Maintenance Costs: Minimal

13) Project RW-12 -- Agua Verde Creek

Location: Southeast
Bond Funding: \$2,047,019
Scope: Land acquisition - 300 acres to be acquired. Land acquisition to link Cienega Creek Natural Preserve with Colossal Cave Mountain Park and to protect and enhance a riparian corridor and to consolidate parcels within the mountain park.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
305-88-014B,C	13	16 S	16 E	RH
305-17-006A,B	24	16 S	16 E	RH
306-02-001,3,4	4	16 S	17 E	RH
306-01-002A	9	16 S	17 E	RH
306-03-001A-7	18	16 S	17 E	RH

Benefit: Protection of the Sonoran Desert.
Other Funding: To be determined; Las Cienegas National Preserve
Implementation Period: 2, 3
Future Operating & Maintenance Costs: Minimal

14) Project RW-13 -- Bingham Cienega

Location: Northeast
Bond Funding: \$0
Scope: Land acquisition - 400 acres to be acquired. Land acquisition to expand county preserves and to protect a rare and highly valued marsh area and important wildlife migration corridor.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
205-18-001D,5,34	3	11 S	18 E	RH
205-19-001D	10	11 S	18 E	RH
205-20-001D,3A,4A	15	11 S	18 E	RH

Benefit: Protection of the Sonoran Desert.
 Other Funding: \$0
 Implementation Period: 4, 5
 Future Operating & Maintenance Costs: Minimal

15) Project

RW-14 -- Cienega Creek

Location: Southeast
 Bond Funding: \$2,245,915
 Scope: Land acquisition - 400 acres to be acquired. Land acquisition of disconnected sections of Cienega Creek to further protect riparian areas and to assist in the basin flood control and recharge efforts. The preserve will also include a segment of the Arizona Trail.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
306-16-004	2	17 S	17 E	RH
306-15-010A,B	7	17 S	17 E	RH
306-15-027	8	17 S	17 E	RH
306-34-062D	33	19 S	18 E	RH
306-34-006A,C	15,21,22,27,28	19 S	18 E	RH
306-34-007A	23	19 S	18 E	RH

Benefit: Protection of the Sonoran Desert.
 Other Funding: \$1,400,000; Las Cienegas National Preserve; General Fund; or other
 Implementation Period: 2, 3, 4, 5, 6
 Future Operating & Maintenance Costs: Minimal

16) Project

RW-15 -- Upper Honeybee Canyon

Location: Northwest
 Bond Funding: \$0
 Scope: Land acquisition - 300 acres to be acquired. Land acquisition to protect the upper ridgeline of the Honeybee Canyon corridor to the Tortolita Mountains and to protect sensitive riparian habitat and wildlife corridors and recreational corridors.

Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
219-01-008B	11	11 S	13 E	RH

Benefit: Protection of the Sonoran Desert.
 Other Funding: \$0
 Implementation Period: 3
 Future Operating & Maintenance Costs: Minimal

17) Project**RW-16 -- Sabino Canyon**

Location: Northeast
 Bond Funding: \$0
 Scope: Land acquisition - 150 acres to be acquired. Land acquisition to protect the confluence of the Sabino and Bear Creek and the riparian habitat creating a buffer to development areas.
 Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
114-08-003B,E,6	15	13 S	15 E	SR
114-08-004A-8A	15	13 S	15 E	SR
114-09-001D-F	16	13 S	15 E	SR
114-09-002B & C	16	13 S	15 E	SR
114-12-085	16	13 S	15 E	SR

Benefit: Protection of the Sonoran Desert.
 Other Funding: \$1,000,000
 Implementation Period: 2, 3, 4, 5
 Future Operating & Maintenance Costs: Minimal

18) Project**RW-17 -- Tanque Verde Creek**

Location: Northeast
 Bond Funding: \$0
 Scope: Land acquisition - 460 acres to be acquired. Land acquisition along Tanque Verde Creek east of Houghton to protect riparian habitat area with exceptional stands of cottonwoods, willows and mesquite trees.
 Parcels within planning acquisition area:

Parcel No.	Section	Township	Range	Zoning
133-01-043B-66H	1	14 S	15 E	SR
205-51-001-25C	6	14 S	16 E	SR
205-52-028-60C	6	14 S	16 E	SR

Benefit: Protection of the Sonoran Desert.
 Other Funding: \$0
 Implementation Period: 2, 3, 4, 5
 Future Operating & Maintenance Costs: Minimal

19) Project**T-18 -- Central Arizona Project (CAP) Trailhead**

Location: Vicinity of CAP Canal and Tangerine Road
 Bond Funding: \$100,000
 Scope: Development of the second parking/staging facility for the CAP trail near the CAP intersection with Tangerine Road, including constructing a trailhead parking facility for the CAP, capacity for approximately 25 cars and 5 horse rigs near the CAP/Tangerine intersection, a gate system, ramadas, fencing, signage, and a solar-powered 911 emergency telephone.
 Benefit: Project is part of the implementation of Trail 3 of the adopted eastern Pima County Trails System Master Plan, and will provide a staging facility for pedestrians, equestrians, and bicyclists using the CAP trail, as well as for the nearby Wild Burro Wash Trail (Trail 36).
 Other Funding: \$62,327 (Federal Aid)

Implementation Period: 1, 2, 3, 4, 5
Future Operating &
Maintenance Costs: Minimal

20) Project

T-19 -- 36th Street Trailhead

Location: Western End of 36th Street at Tucson Mountain Park
Bond Funding: \$200,000
Scope: Development of a trailhead parking area for the Tucson Mountain Park trail system at the western end of 36th Street for use by pedestrian, equestrian, and bicyclist, including a trailhead parking area for Tucson Mountain Park with capacity for approximately 25 cars and 5 horse rigs, parking areas, a gate system, fencing, signage and emergency telephone.
Benefit: Project will provide a much needed southern staging area for hikers, equestrians and bicyclists into the Tucson Mountain Park trail system from the end of 36th Street. Facility will provide orderly access into the park, enhance a distressed area, and allow the control of after-hours access from this location for the first time.
Other Funding: \$0
Implementation Period: 1, 2, 3, 4
Future Operating &
Maintenance Costs: Minimal

21) Project

T-20 -- Tortolita Mountain Park Trail System

Location: Tortolita Mountain Park
Bond Funding: \$150,000
Scope: Work will consist of development of a trail plan and initiation of applications for right-of-way from State Land Department for natural surface multi-use recreational trails in Tortolita Mountain Park, which is the first phase of the Tortolita Mountain Park recreational trail system, in accordance with the adopted Tortolita Mountain Park Master Plan.
Benefit: Project will facilitate the construction of the first quarter (25 percent) of the park's trail system and provide recreational opportunities for hikers, equestrians, and bicyclists.
Other Funding: \$0
Implementation Period: 2, 3, 4, 5, 6
Future Operating &
Maintenance Costs: Minimal

22) Project

T-21 -- Various Trailhead Parking/Staging

Location: Kennedy Park Trailhead/Tucson Mountain Park Adjacent to Southwestern Corner of Kennedy
Broadway Gate Trailhead/Eastern End of Broadway Boulevard
Starr Pass East Trailhead/Eastern Boundary of Tucson Mountain Park near Starr Pass Development
Bond Funding: \$250,000

Scope: Kennedy Park: Masterplan a trailhead parking lot for the Tucson Mountain Park trail system on county property adjacent to Kennedy Park, including a parking area suitable for horse trailers, access road improvement, horse tie-up and watering facilities, a ramada, and a solar-powered emergency telephone
Starr Pass East Trailhead: Develop a trailhead parking facility on the eastern boundary of Tucson Mountain Park adjacent to Starr Pass development and Central Arizona Project reservoir, including a parking facility on the eastern boundary of Tucson Mountain Park with capacity for 35 cars and 5 horse trailers, including parking areas, access road work, an access gate, fencing, signage and an emergency telephone.
Tucson Mountain Park: Construct a new public access and roadway improvements to trailhead located at the end of 36th Street. Roadway may include grading, drainage improvements and paving.

Benefit: These projects will provide much needed equestrian staging areas and trailhead facilities, provide access to some of the busiest access points, and increase the safety of access points.

Other Funding: \$0
Implementation Period: 1, 2, 3, 4, 5, 6
Future Operating & Maintenance Costs: Minimal

23) Project **T-22 -- Tucson Diversion Channel Trail Connection**
Location: Park Avenue and Ajo Way to Wakefield Middle School
Bond Funding: \$300,000
Scope: Construct approximately one mile of bike path, a signalized intersection, a pedestrian bridge, 4600 linear feet of bike lanes, and relocate 3300 linear feet of fencing to connect two sections of linear park that will be constructed along the Tucson Diversion Channel.

Benefit: Provide a critical missing link between two sections of linear park, enhancing the city's alternate modes system and safety for bicycling children.

Other Funding: \$0
Implementation Period: 2, 3, 4, 5, 6, 7, 8
Future Operating & Maintenance Costs: Minimal

24) Project **T-23 -- Various Trail Acquisitions**
Location: Various locations identified below
Bond Funding: \$1,000,000
Scope: T - 23A Trail Acquisitions
Arizona Trail: Acquire 5 miles of trail corridor along Cienega Creek
Agua Caliente Hill North Trail Access: Acquire a 15-foot corridor from the east end of Roger Road to the Coronado National Forest.
Wild Burro Wash Trail: Acquire 3.5 miles of trial corridor from CAP to Red Hawk development
Shurban Wash Trail: Acquire 2 miles of trail corridor along Shurban Wash

Rincon Creek Greenway Trail: Acquire 1 mile of trail corridor from Pantano Wash to Spanish Trail

T - 23B Trail/Trailhead Developments

Rincon Creek Trail: Develop 3 miles of a 10-foot multi-use trail along the bank of the Rincon Creek from Spanish Trail east to Camino Loma Alta, install signage and fencing as necessary

Camino Loma Alta Trail: Construct approximately 2 miles of natural surface trail 4 feet wide within the Camino Loma Alta right-of-way from Old Spanish Trail to the southern boundary of Saguaro National Park

Spanish Trail Right-of-Way Trail: Construct 3 miles of natural surface trail 4 feet wide from Pima County's Rincon Valley District Park site to Camino Loma Alta within the Old Spanish Trail right-of-way

Anza National Historical Trail: Construct a segment of the Anza Trail on recently granted trail corridor in the Green Valley area, along with a public staging facility and interpretive signage

Houghton Road Right-of-Way Trail: Construct approximately 2 miles of natural surface multi-use trail 4 feet wide within the Houghton Road right-of-way between Old Spanish Trail and the Pantano Wash

Colossal Cave Mountain Park Trail System - Phase I: Plan and construct 2.5 miles of recreational trails

Central Arizona Project Trail - Phase II: Construct approximately 10 miles of natural surface multi-use trail 8 feet wide within the CAP right-of-way

Ventana Canyon Trailhead: Acquisition of 5,200 feet of access from Ventana Canyon Parking lot to Coronado National Forest boundary

Benefit: Projection of natural resource areas and provision of links and access to trail systems throughout the community

Other Funding: \$0

Implementation Period: 1, 2, 3, 4, 5, 6, 7

Future Operating & Maintenance Costs: Minimal

25) Project

CH-24 -- Colossal Cave Rehabilitation

Location: Colossal Cave Park - Vail, Arizona

Bond Funding: \$400,000

Scope: Colossal Cave Park, with its 1930s complex of Civilian Conservation Corps buildings and landscape features, has been listed on the National Register of Historic Places and the Arizona State Register of Historic Places as a significant historic site in Pima County. Rehabilitation plans include roof reconstruction with heavy, peeled pole timbers on the ramada, replacement of damaged beams and window lintels and a new roof on the headquarters building and the office and garage, termite treatment, stone masonry repairs, painting and refinishing of building interiors, repairs to windows and doors, new electrical and heating and cooling throughout the complex, replacement of roofs on picnic area ramadas, stabilization of the

National Park Service adobe building and pump house, and drainage and site improvements.

Benefit: The project will make the Colossal Cave Park more accessible to the public by restoring the functionality, structural integrity, and historic authenticity of the visitor center, campsites, and other user facilities.

Other Funding: \$0

Implementation Period: 2, 3, 4

Future Operating & Maintenance Costs: Minimal

26) Project

CH-25 -- Agua Caliente Ranch Buildings Rehabilitation

Location: Roy P. Drachman Park, Soldier Trail/Roger Road

Bond Funding: \$350,000

Scope: The historic Agua Caliente Ranch, constructed between 1873 to the 1930s, has been determined eligible for listing on the National Register of Historic Places and the Arizona State Register of Historic Places as a significant historic site in Pima County. Rehabilitation plans for adaptive reuse of the buildings for park purposes include roof reconstruction, replacement of damaged structural elements and a new floor in the cottage, termite treatment, stone masonry and concrete repairs, painting and refinishing of building interiors, repairs to windows and doors, new electrical and heating and cooling throughout the buildings, redesign of interior rooms to accommodate park classes and other programmed uses and ADA accessibility requirements, and other improvements.

Benefit: This project will make the Agua Caliente Ranch buildings accessible to the public and allow utilization of the buildings for classrooms and other educational activities in a restored authentic historic and cultural setting.

Other Funding: \$17,534 (State Aid - Heritage Fund Grant)

Implementation Period: 1, 2, 3, 4 Complete

Future Operating & Maintenance Costs: Minimal

27) Project

CH-26 -- Empirita Ranch Buildings Rehabilitation

Location: Empirita Ranch near Mescal

Bond Funding: \$200,000

Scope: Historic buildings associated with Empirita Ranch may be eligible for listing on the National Register of Historic Places and the Arizona State Register of Historic Places as a significant example of cattle ranching in Pima County. Rehabilitation plans include roof reconstruction, replacement of damaged structural elements, termite treatment, masonry and concrete repairs, painting and refinishing of building interiors, repairs to windows and doors, new electrical and heating and cooling, and other improvements.

Benefit: The project will make the Empirita Ranch and ranch buildings accessible to the public by restoring the functionality of the buildings in an historically accurate setting.

Other Funding: \$100,000 (Arizona Heritage Fund)

Implementation Period: 4, 5, 6

Future Operating & Maintenance Costs: Minimal

28) Project

CH-27 -- Robles Ranch House Rehabilitation

Location: Robles Junction (Three Points), Arizona

Bond Funding: \$821,576

Scope: The historic Robles Ranch has been determined eligible for listing on the National Register of Historic Places and the Arizona State Register of Historic Places as a significant example of vernacular architecture and as an important site representing large-scale cattle ranching in Pima County. The original rehabilitation plans included replacement of damaged structural elements, windows, and some flooring, termite treatment, masonry and concrete repairs, refinishing of building interiors, new electrical and heating and cooling, and other improvements. Phase One was designed and constructed in coordination with the new Sheriff's Substation at Robles Junction (Question 2, Project S-3). The Scope has been expanded to include improvements to a 4-H facility and surrounding site work.

Benefit: This project will allow for acquisition and restoration of the actual building in which Three Points was founded and will allow the residents to use the restored structure as a community center, meeting place and Sheriff's substation.

Other Funding: \$459,277 (Community Development Block Grants)

Implementation Period: Phase One 1, 2, 3 Complete

Phase Two 1, 2, 3 Complete

Future Operating & Maintenance Costs: Minimal

29) Project

CH-28 -- Mission San Agustin

Location: Mission Lane at the Santa Cruz River, Tucson

Bond Funding: \$335,453

Scope: Known as the "Birthplace of Tucson," this site at the base of Sentinel Peak was occupied by 1000 B.C. by Archaic and later Hohokam peoples, followed by Pima Indians who called their village "stjukshon." Acquisition of the Mission Gardens parcel of approximately 5 acres is complete, at a total cost of \$261,465.

Benefit: Acquisition of the key parcels that comprise the Mission San Agustín site is a critical first step to protecting this site for the future benefit of the Tucson community.

Other Funding: \$0

Implementation Period: 1, 2 Complete

Future Operating & Maintenance Costs: Established in IGA with the City of Tucson.

30) Project

CH-29 -- Canoa Ranch Buildings Rehabilitation

Location: Canoa Ranch south of Green Valley

Bond Funding: \$1,500,000

Scope: The historic Canoa Ranch complex, constructed between the 1870s to the 1930s, may be considered eligible for listing on the National Register of Historic Places and the Arizona State Register of Historic Places as a significant historic site in Pima County. Today, the ranch complex includes 10 to 12 buildings constructed of adobe and wood framing that has deteriorated. Rehabilitation of the buildings will follow preparation of a site management plan for the adaptive reuse of the complex and preparation of stabilization plans and construction documents. Building rehabilitation and restoration will be phased.

Benefit: Accessibility of the Canoa Ranch, which has long been a focal location in the Santa Cruz River valley.

Other Funding: \$0

Implementation Period: 1, 2, 3, 4, 5, 6, 7

Future Operating & Maintenance Costs: To be determined.

31) Project

CH-30 -- Anza National Trail and Campsites

Location: Anza Expedition Route on west bank of Santa Cruz River

Bond Funding: \$750,000

Scope: Acquisition of trail segments, campsite improvements and historic interpretation along the Juan Bautista de Anza National Historic Trail, which commemorates the route taken by the Anza Expedition of 1775-76 when he led a group of some 250 colonists and 1200 head of livestock from Sonora to found a presidio and mission for Spain at San Francisco bay. It extends from Nogales, Arizona to San Francisco, California, a distance of 1200 miles. There are approximately 60 miles of trail in Pima County along the west bank of the Santa Cruz River, with six campsites at Canoa, Llano Grande (south of Sahuarita), San Xavier del Bac, Tucquison (north of downtown Tucson), Llano del Azotado (at the north end of the Tucson Mountains), and Oitipars (near the Pinal County line).

Benefit: The purpose and specific benefits to be achieved by the project are ensuring and enhancing access to trail segments and campsites for public use, education, and enjoyment.

Other Funding: \$532,736 (500,000 Transportation Enhancement Funds; \$32,736 National Park Service)

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: \$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: State Growing Smarter Grant of \$2,438,982.

Implementation Period: 3, 4, 5, 6

Future Operating & Maintenance Costs: Minimal

33) Project

CA-32 -- Los Morteros

Location: Vicinity of Silverbell Road and the north end of Tucson Mountains near Marana

Bond Funding: \$730,000

Scope: Los Morteros and the archaeological remains in the vicinity of the Point of the Mountain at the north end of the Tucson Mountains have long been recognized as a highly significant prehistoric and historic site in Pima County. The core area of the site today remains essentially intact although threatened by development. Acquisition of the core of the Los Morteros site that contains the ball court and intensive village occupation and creation of Los Morteros Archaeological Park encompassing some 60 acres of the Hohokam village, Anza campsite, and stage station are planned.

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

Future Operating & Maintenance Costs: Minimal

34) Project

CA-33 -- Valencia Site

Location: Valencia Road at the Santa Cruz River, Tucson

Bond Funding: \$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
Future Operating &
Maintenance Costs: Minimal

35) Project CA-34 -- Pantano Townsite

Location: Pantano Townsite, in the vicinity of Marsh Station Road on Cienega Creek

Bond Funding: \$42,971

Scope: The historic Pantano Townsite associated with the Southern Pacific Railroad has two locations, the "old Pantano" on the south bank of Cienega Creek and the "new Pantano" located on the north bank. Acquisition of the "new Pantano" townsite is proposed for protection and inclusion in the Cienega Creek Preserve. The 30-acre parcel is currently in private ownership and is one of the few remaining parcels not included in the Cienega Creek Preserve.

Benefit: Acquisition will ensure its long-term protection and allow site interpretation for the public benefit.

Other Funding: \$0

Implementation Period: 1 Complete

Future Operating &
Maintenance Costs: Minimal

Cultural/Historic/Archaeological Alternatives

The implementation of many of the cultural/historic/archaeological projects is contingent upon historic designation of structures, agreements with present property owners over acquisition, and the physical condition of the property regarding restoration needs. Because of these factors, one or more of the designated projects may not be undertaken or might not cost the amount listed. In this event, alternative projects in the order listed would be undertaken.

Alternative 1: Drachman School

Location: 8th Avenue and 18th Street, Tucson

Bond Funding: \$500,000

Scope: The historic Drachman Elementary School was planned and designed by Henry C. Trost in 1901 and opened in 1902. The school was named for Tucson pioneer Samuel H. Drachman who arrived in 1867 and became a member of the School Board in 1899. At present, Tucson Unified School District and the City of Tucson are conducting feasibility studies for the adaptive reuse of the building for community use by the residents of Barrio Historico and Santa Rosa Neighborhood. Proposed uses include senior citizen housing, an economic and employment training center, or a neighborhood center. Should an adaptive reuse plan be adopted by the City, bond funds could assist in the restoration of the historic Drachman School.

Benefit: The project will permit adaptive reuse of historic buildings, with community-wide benefits and particular benefits to the Barrio Historico and Santa Rosa neighborhoods.

- Alternative 2: Fort Lowell Expansion
 Location: South of Fort Lowell and west of Craycroft Roads, Tucson
 Bond Funding: \$1,000,000
 Scope: Historic Fort Lowell, dating to 1873, is a highly significant historical site in Pima County. Much of the site has been incorporated into Fort Lowell Park, managed by the City of Tucson. However, approximately 1/3 of the old fort lies west of Craycroft Road in private ownership. The City of Tucson has identified this critical 5.3-acre parcel for acquisition for the expansion of Fort Lowell Park and preservation of the historic properties.
- Benefit: Acquisition of this site will ensure public access to some of the best preserved buildings from historic Fort Lowell.
- Alternative 3: Tucson Presidio Commemoration
 Location: Presidio Area, Corner of Church and Washington Streets, Tucson
 Bond Funding: \$350,000
 Scope: The Tucson Presidio, the walled Spanish and Mexican military settlement of 1775-1856, was built on the northern frontier of New Spain to protect the Piman village of "stjukshon" and its mission visita, San Agustín del Tucson from Apache attacks. Located across the Santa Cruz River from the Piman village at the base of Sentinel Peak, the Presidio formed the core of the old pueblo, shaping Tucson's historic development. Although its adobe walls have long disappeared, the Tucson Presidio today is represented by the area bounded by Church Avenue, Pennington Street, Main Avenue, and Washington Street. The City of Tucson has identified a critical undeveloped parcel at the corner of Washington and Church for acquisition, archaeological and environmental investigations, and for the development of a commemorative park for the Tucson Presidio. This parcel is known to contain prehistoric Hohokam pithouses and the archaeological remains of the northeast corner of the Tucson Presidio.
- Benefit: Acquisition and development of this parcel will preserve and protect a site that contains intact archaeological remains from the Presidio and permit commemoration of the site, with public education and interpretation.

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

For the purpose of acquiring, constructing, improving, renovating and equipping, new and existing public facilities of the County for health, safety, recreational and cultural purposes, including libraries, buildings on the Kino Health Campus, community buildings and facilities for learning, recreation, arts, day care and safety improvements to further neighborhood reinvestment and also including asbestos removal, lighting, fire safety improvements and improved access for disabled persons and paying all expenses properly incidental thereto and to the issuance of such bonds, shall Pima County, Arizona be authorized to issue and sell general obligation bonds of the County, in an aggregate principal amount not exceeding \$42,000,000?

1) Project

L-1 -- Northwest (Oro Valley) Library

Location: Town of Oro Valley/Site Adjacent to Oro Valley Town
Bond Funding: \$2,000,000
Scope: Construction, furnishings and opening collections for a library to be located on a site adjacent to the Oro Valley Town Hall. A separate intergovernmental agreement governing the funding of design and construction of the facility will be executed between the Pima County and the Town of Oro Valley.
Benefit: This project will provide library services for a rapidly growing area in metropolitan Pima County
Other Funding: Provided by Town of Oro Valley
Implementation Period: 2, 3
Future Operating & Maintenance Costs: Costs to be shared between the Town of Oro Valley and the Tucson/Pima Library District

2) Project

L-2 -- City of Tucson Midtown Library

Location: Southwest corner of Fairmount Street and Catalina Avenue, a site chosen by the City of Tucson and area residents
Bond Funding: \$2,000,000
Scope: Construction, furnishings, equipment, opening collections, and sites costs for a 5,000 to 7,000 square foot library, with capacity for future expansion of a learning center/neighborhood center.
Benefit: This site will provide a centralized location for expanded library and community services to several neighborhoods currently severely underserved.
Other Funding: \$131,519 City of Tucson
Implementation Period: 2, 3, 4, 5
Future Operating & Maintenance Costs: Costs will be shared with the City of Tucson and Library District.

3) Project

L-3 -- Kino Youth, Library and Resource Center

Location: Kino Campus/Ajo Way and Forgeus
Bond Funding: \$850,000
Scope: Construction, furnishings, equipment, and opening collections for a 2,500 square foot library, with additional space for classrooms, computer labs and office space. This project is being designed and will

be constructed in conjunction with P-54, Kino Community Education and Resource Center under Question 3, Parks, to construct an ultimate 28,000 square foot building adjacent to the Kino Teen Center at 2801 E. Ajo Way.

Benefit: The facility would provide public access to library services and materials and an informal classroom setting for introduction to and instruction in technology, as well as collocation with other Pima County health, recreational, and educational services.

Other Funding: \$1,550,000 Pima County Library District; \$150,000 General Fund; \$133,000 Community Services Funding; \$150,000 Other Sources

Implementation Period: 1, 2, 3, 4

Future Operating &

Maintenance Costs: Costs will be shared with the City of Tucson and Library District.

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

5) Project

L-5 -- South Tucson Library Expansion

Location: South Tucson Library 1550 South 6th

Bond Funding: \$300,000

Scope: Expansion and selected remodeling of the present Sam Lena-South Tucson Branch Library, including three separate additions, totaling 4,000 square feet, with a new computer lab, children's reading room, meeting room and office space for program partnerships with the John A. Valenzuela Youth Center. The project was designed and constructed in conjunction with P-53, Ochoa-Lena Learning Center from Question 3 Parks.

Benefit: Youth will have additional opportunities to pursue academic and vocational training.

Other Funding: \$64,135 (Pima County Library District)

Implementation Period: 1, 2, 3 Complete

Future Operating &

Maintenance Costs: Minimal

6) Project

CC-6 -- Green Valley Performing Arts and Adult Education Center

Location: 19 acres of County-owned land at Camino del Sol and Continental Rd.

Bond Funding: \$1,500,000

Scope: Construct a multi-media public arts center, including expandable facilities for music, arts, drama and other fine arts uses, with theater-style seating. This facility will be the only facility in Southern Pima County to have a theater quality auditorium. The project will be constructed on a 19-acre parcel located on Continental Road and purchased from the State of Arizona. The project will be developed in phases due to funding limitations. Phase One includes master planning and preliminary design for the entire facility and construction of a rehearsal studio. Also included in this phase will be construction of a \$2,470,000 Pima County Community College District Adult Learning Center on the site. Total size for Phase One facilities is 14,000 square feet. The facility is designed to be easily expanded. Phase Two, which will include the main theater hall, a second rehearsal studio and theater support spaces in subject to securing future funding, through a subsequent bond authorization approved by voters and successful private funding raising.

Benefit: Will be the only facility in southern Pima County to have a theater quality auditorium.

Other Funding: \$2,251,700 in Pima College voter approved General Obligation bonds

Implementation Period: 2, 3, 4, 5 Phase One Complete

Future Operating & Maintenance Costs: Costs are to be offset by fees charged for the use of the facility and negotiations are underway with Pima College for joint operation and maintenance of both facilities.

7) Project

CC-7 -- Las Artes Youth Learning Center

Location: 23 West 27th Street

Bond Funding: \$1,540,014

Scope: Construction of an educational facility to house a vocational instruction model for youth aged 14 to 21 in an applied academics setting.

Benefit: The purpose and specific benefits to be achieved by construction of the project are provision of an intense curriculum combined with a planned program of vocational instruction and career exploration and post-secondary education in Commercial Arts.

Other Funding: \$0

Implementation Period: 1 Complete

Future Operating & Maintenance Costs: Costs will be borne by other sources of revenues due to application and development of a charter school at this location.

8) Project

CC-8 -- El Pueblo Adult Education and Child Care

Location: El Pueblo Learning Center
101 West Irvington Road

Bond Funding: \$750,000

Scope: Construction of classroom space to house adult education and child care programs. Adult education programs include English as a second language tutoring, literacy, GED, and citizenship classes. Child care services will be provided to meet the needs of pre-school, elementary

and middle school age children during the regular school year and during summer and intercession periods.

Benefit: The purpose and specific benefits to be achieved by construction of the project are to help adults and working parents get into the work force and train for employment and to provide a positive, safe environment for children.

Other Funding: \$500,000 County Community Development Block Grant Funds
\$500,000 City of Tucson Community Development Block Grant Funds

Implementation Period: 1, 2 Complete

Future Operating & Maintenance Costs: Costs will be borne by the Adult Education Program.

9) Project

CC-9 -- El Rio Adult Education and Child Care

Location: El Rio Learning Center
1390 West Speedway

Bond Funding: \$1,500,000

Scope: Construction of classroom space to house adult education and child care programs. Adult education programs include English as a second language tutoring, literacy, GED, and citizenship classes. Child care services will be provided to meet the needs of pre-school, elementary and middle school age children during the regular school year and during summer and intercession periods.

Benefit: The purpose and specific benefits to be achieved by construction of the project are to help adults and working parents get into the work force and train for employment and to provide a positive, safe environment for children.

Other Funding: \$0

Implementation Period: 1, 2

Future Operating & Maintenance Costs: Costs will be borne by the Adult Education Program.

10) Project

H-10 -- Kino Public Health Center

Location: Kino Health Campus 2800 East Ajo Way

Bond Funding: \$3,100,000

Scope: The Kino Public Health Center has been designed to accommodate and consolidate public health and medical services administrative functions on site at the Kino Campus in a new 180,000 square foot facility. The project will be constructed in phases. Phase One was planning and design, which is completed. In Phase Two, bond funds were used to reconstruct and expand the public parking lot as well as provide for additional repairs at Kino Community Hospital. Phase Three will entail construction of the health center complex, which will not begin until funding has been determined

Benefit: Public Health employees and employees of the Pima Health System work in facilities which are located either downtown or in rental space on the east side of town. Expenses due to leased space will exceed \$420,000 during 1997 for Pima Health System. Co-location of employees will eliminate this ongoing lease expense, streamline operations, and enhance service.

Other Funding: \$0
Implementation Period: 2, 3, 4 Phase One and Phase Two Complete – Phase three funded through 2004 bond authorization as new project
Future Operating & Maintenance Costs: No impact

11) Project

H-12 -- Kino Hospital Repair

Location: Kino Community Hospital 2800 East Ajo Way

Bond Funding: \$5,900,000

Scope: Repairs and capital improvements to Kino Hospital, including the following specific projects: 1) Emergency Department Security Enhancement / Consolidation of Emergency and Urgent Care Services. The Emergency Department originally designed for Kino Community Hospital has become dated by lack of security, accommodations for psychiatric patients, separation of ambulance traffic, and working space for staff. This redesign will enhance security and create efficiencies at the same time. Urgent Care services now provided by the clinics would be relocated to the Emergency Department area providing economies of scale for triage, registration and treatment functions. The project cost was \$900,000. 2) Computed Tomography (CT) Scanners. Current equipment is several generations behind. The cost of replacement was \$630,000. 3) Surgical Instrument Washer/Sterilizer/Decontamination and High Vacuum Steam Sterilizer. Current equipment for sterilizing surgical instruments is aged and subject to frequent repair. Replacement parts are difficult to obtain, unavailable or must be manufactured. As a result, current equipment works at 50 percent capacity. The cost of replacement was \$76,000. 4) Conversion to Digital Image Radiology (\$110,000). 5) Various repairs and capital improvements upgrades are underway, including mold remediation and build-back

Benefit: Kino Community Hospital is now over twenty-five years old and is in need of repairs and capital improvements.

Other Funding: \$2,504,000 (State Grant and Pima County General Fund)

Implementation Period: 1, 2, 3, 4

Future Operating &

Maintenance Costs: Annual repair costs will decline upon replacement of outdated capital equipment.

12) Project

FS-13 -- Improve Disabled Access

Location: Various Pima County Facilities

Bond Funding: \$1,100,000

Scope: Modify various County buildings to correct remaining deficiencies of accessibility to accommodate the public and employees as mandated by the Americans with Disabilities Act. This program will address those areas not previously modified to ADA standards at the following facilities: Downtown Governmental Center, outlying governmental centers, libraries, health clinics, Kino Hospital, Posada del Sol Health Care Center, Sheriff's facilities, additional parks and recreational facilities, and other Pima County facilities.

Benefit: Completion of the remaining accessibility deficiencies will bring Pima County public buildings into compliance with the federally mandated Americans with Disabilities Act.

Other Funding: \$0

Implementation Period: 2, 3, 4, 5, 6, 7, 8

Future Operating & Maintenance Costs: Minimal

13) Project FS-14 -- Fire Sprinkler/Asbestos Removal - Legal Services Building

Location: 32 North Stone

Bond Funding: \$5,432,543

Scope: In order to provide fire protection and life safety upgrades required by code and reduce the County's liability and costs of in-place asbestos, the remaining floors in the 20 story Pima County Legal Services Building must have the asbestos-containing fire proofing removed, and fire sprinklers and a new fire alarm system installed on each built-out floor. This multi-phase project calls for the build-out of five floors. The project will also include rehabilitation and renovation of the building elevators, re-roofing the building and replacement of the emergency generator.

Benefit: In addition to risk avoidance, the County would expect to see a reduction in annual maintenance costs on each newly completed floor.

Other Funding: \$591 Miscellaneous Revenue

Implementation Period: 2, 3, 4, 5

Future Operating & Maintenance Costs: Due to high costs of maintaining a building containing asbestos fireproofing, the operating and maintenance cost will decrease.

14) Project FS-15 -- Downtown Complex

Location: Downtown Governmental Center
130 West Congress

Bond Funding: \$4,843,443

Scope: Refurbish or replace major building systems in the 25 to 30 year old Pima County Governmental Complex in downtown Tucson, including asbestos removal and fire sprinkler installation in the Administration and Health and Welfare buildings, replacement of elevators in six buildings, resealing selected exterior walls on County high-rise buildings, and replacement of a 20 year old chiller in the central plant.

Benefit: These major building systems are at the end of their useful life and need to be replaced. Benefits would include improved elevator reliability for the public and employees, greater mechanical system reliability and load matching capability, reduced energy cost due to poorly sealed walls and windows, reduced water damage in County buildings and improved fire reporting capabilities.

Other Funding: \$0

Implementation Period: 3, 4, 5

Future Operating &

Maintenance Costs: Due to high costs of maintaining buildings containing asbestos fireproofing, the operating and maintenance cost will decrease.

15) Project

FS-16 -- PBX Replacement (County Telephone System)

Location: Downtown buildings and Mission Road complex
Bond Funding: \$1,084,000
Scope: Replace the County's obsolete telephone switches (PBXs) in the Downtown Complex (Main 1 & 2, Legal Services Building and Public Works) and Mission Road
Benefit: The current technology dates from the late 1970s and is at or near capacity for Legal Services Building, Main 1 & 2, and Mission Road. The manufacturer reports that existing equipment is not Year 2000 compliant and does not intend to support older technology.
Other Funding: \$1,014,500
Implementation Period: 1,2 Complete
Future Operating & Maintenance Costs: \$50,000 per year

16) Project

NR-16 -- Neighborhood Reinvestment

Location: Various
Bond Funding: \$10,000,000
Scope: Provision of a source of funding for small scale, targeted capital improvement projects in neighborhoods throughout Pima County characterized by indicators of high stress (poverty and unemployment, substandard housing, high crime, teenage pregnancies) for investments in upgraded housing, demolition of abandoned and unsafe buildings, construction and conversion of structures to serve as neighborhood resource centers, construction of recreational facilities, and construction of public safety improvements such as street lighting, paving, and traffic control devices. (See pages 108,109)
Benefit: Neighborhood organizations seeking to stabilize and improve their communities can leverage small scale, targeted capital improvements proposed under this program into anchors and focal points around which the residents can mobilize to make their neighborhoods safer for their children and themselves.
Other Funding: \$0
Implementation Period: 1, 2, 3, 4, 5, 6, 7
Future Operating & Maintenance Costs: Unknown

F. Question No. 6 - Flood Control Improvements

For the purpose of acquiring, constructing, expanding and improving the flood control facilities of the County, including bank stabilization, channels, drainageways, dikes, levees and other flood control improvements and paying all expenses properly incidental thereto and to the issuance of such bonds, shall Pima County, Arizona be authorized to issue and sell general obligation bonds of the County, in an aggregate principal amount not exceeding \$21,500,000?

1) Project

FC-1 -- Santa Cruz River, Grant to Ft. Lowell

Location: Santa Cruz River, Grant Road to Fort Lowell alignment
Bond Funding: \$2,990,000
Scope: This area is subject to extensive lateral bank erosion. During the October 1983 Flood, approximately 300 feet of bank eroded; during the January 1993 Flood, up to 130 feet of bank eroded. One and-a-half (1-1/2) miles of new soil cement bank stabilization, which will fully contain the 100-year flow of the Santa Cruz River, will be constructed along both banks. This will tie into existing bank stabilization at the upstream and downstream ends. Sufficient toedown will be provided to protect the bank stabilization from failing due to channel bottom scour and three feet of freeboard above the 100-year water surface elevation will be provided to satisfy Federal Emergency Management Agency requirements.
Benefit: Properties protected include the I-10/Miracle Mile interchange; Arizona Department of Transportation (ADOT) maintenance yard; land, buildings and crops at the University of Arizona Agricultural Research Center; land owned by the City of Tucson, the Flowing Wells Irrigation District and private property owners; and a Tucson Electric Power (TEP) transmission line, a Tucson Water mainline, two Santa Fe-Pacific petroleum pipelines, and two Southwest Gas pipelines.
Other Funding: Matching funds from the Arizona Department of Transportation, U.S. Natural Resources and Conservation Service (NRCS), Tucson Water, Pima County Wastewater and Flood Control Tax Levy will be required in the approximate amount of \$3,876,707.
Implementation Period: 3, Completed
Future Operating & Maintenance Costs: Minimal

2) Project

FC-2 -- Santa Cruz River, Congress Street to San Xavier Reservation

Location: Santa Cruz River, Congress Street to San Xavier Reservation
Bond Funding: \$4,188,483
Scope: Although the Santa Cruz River 100-year flow is contained within the existing high banks, the earthen banks are unstable and are highly susceptible to lateral erosion during large flows. Two (2) miles of new soil cement bank stabilization will be constructed along both banks, which will tie into existing bank stabilization at the upstream and downstream ends.
This project has been included as a portion of the Army Corps of Engineers, Pima County and City of Tucson's Paseo De Las Igelasis

project, which includes flood hazard mitigation and riverine eco system restoration. The Paseo De Las Igelasis project will promote flood control, and in addition cultural resource preservation, recharge Central Arizona Project water, and associated recreational river park facilities.

Benefit: Areas to be protected from bank erosion include the Midvale Park residential and commercial subdivision along the west bank; Calle Santa Cruz along the east bank; and commercial development nodes at Irvington and Drexel Roads. Working with the Army Corps of Engineers will provide additional amenities and funding for the project.

Other Funding: Army Corps of Engineers Federal funding.

Implementation Period: 2, 3, 4, 5, 6, 7, 8

Future Operating & Maintenance Costs: Minimal

3) Project

FC-3 -- Lower Santa Cruz Levee, Interstate 10 to Sanders

Location: Lower Santa Cruz River Levee, Interstate 10 (I-10) to Sanders Road

Bond Funding: \$6,000,000

Scope: Currently south of Avra Valley Road and east of the Tangerine landfill, the Santa Cruz River overtops its banks and causes extensive flooding between the Santa Cruz River and I-10, including the Town of Marana. During the 1983 flood, three people died in Marana due to flood-related accidents and residences, businesses, agricultural fields, and public transportation infrastructure suffered extensive damage. During the 1993 Floods, approach roads to two bridges in Marana, and several agricultural fields and residences were damaged. 7.36 miles of new earthen levee will be constructed along the north bank of the Santa Cruz River, and the side of the levee that faces the river will be stabilized with soil cement. The design includes protection from 100-year Santa Cruz River flooding, eight feet of toedown below the channel invert to protect the levee from being undermined by scour, and three feet of freeboard above the 100-year water surface elevation to satisfy Federal Emergency Management Agency (FEMA) requirements.

Benefit: Based on current FEMA flood hazard maps, the levee will remove approximately 4,468 acres from flood hazard or floodplain status. A significant number of homes and businesses will no longer be subject to flood hazard.

Other Funding: Matching funding in the approximate amount of \$1.9 million from benefiting properties will be required and collected. Additional funding of \$1.0 million and \$2.5 million will be provided to this project from the Arizona Department of Water Resources and the U.S. Bureau of Reclamation respectively. The remaining \$4.2 million will be funded by the Flood Control District Levy.

Implementation Period: 1, 2 Complete

Future Operating & Maintenance Costs: Minimal

4) Project

FC-4 -- Mission Wash

Location: Mission View Wash, Detention/Retention Basin

Bond Funding: \$1,000,000

Scope: Few drainage facilities exist in downstream areas, which include portions of the City of Tucson and the City of South Tucson. Therefore, most flows are conveyed in the streets. As the streets have insufficient capacity to contain all but the smallest of flows, adjacent commercial and residential areas experience repeated flooding. This project will include design and construction of a regional detention/retention basin east of Park Avenue and south of 36th Street. Preliminary design of this new basin includes providing up to 65 acre-feet of floodwater storage, inlet structures to collect and concentrate sheet flow, and outlet storm sewer system to convey the floodwaters south under Interstate 10 to the Tucson Diversion Channel to prevent adverse impacts downstream of the basin.

Benefit: The Tucson Stormwater Management Study identifies 44 existing homes, in the Greyhound Wash drainage area that will be protected from flooding. The expanded project will also protect the City of South Tucson, reduce flooding along the UPRR from 34th Street to 22nd Street and reduce flooding in the Tucson downtown area at 18th and 22nd Streets, and roadway flooding would also be reduced, resulting in safer driving conditions. The detention basin has been designed to areas to be developed for multi-purpose uses by the proposed Sinclair Property Planned Development, thereby providing park, recreation and open space benefits to the surrounding community.

Other Funding: \$8,625,000 (Flood Control District Tax Levy Revenue)

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

Future Operating & Maintenance Costs: Minimal

5) Project

FC-5 -- City of Tucson Earp Wash Drainage Improvements

Location: Urban Drainage Improvements, City of Tucson

Bond Funding: \$2,000,000

Scope: The Flood Control District, in cooperation with the City of Tucson, will mitigate flooding problems along Earp Wash. The District will design and construct detention basins upstream of Alvord Road

Benefit: Earp Wash is located in the southeast portion of the City of Tucson and in unincorporated Pima County. The wash has been plagued with flooding in the residential neighborhoods and businesses between Palo Verde and Alvernon Way. The project will attenuate peak flows and improve drainage conveyance downstream of Alvord Road.

Other Funding: \$434,000 (Flood Control District Tax Levy Revenue)

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

Future Operating & Maintenance Costs: Minimal

6) Project

FC-6 -- City of South Tucson

Location: Urban Drainage Improvements, City of South Tucson

Bond Funding: \$900,000

Scope: Drainage improvements to be constructed include five separate projects located throughout the City of South Tucson, all located north of 36th Street and west of 6th Avenue. Two projects include covering existing concrete drainage channels and constructing new box culverts from the channel outlet to a downstream location, the first at the alley between 28th and 29th Streets at 7th Avenue, extending northwest to 28th Street and the second at the alley between 34th and 35th Streets, west of 6th Avenue, extending to 8th Avenue. A third project, at Rios Street west of 10th Avenue, includes constructing a new culvert system under Rios Street. A fourth project includes improving an existing cul-de-sac located west of 35th Street and 8th Avenue; vertical curbs will be installed, sidewalks constructed and that portion of the street repaved. The last project includes extending the existing box culvert that terminates at 8-1/2 Avenue to 9th Avenue, between 25th and 26th Streets, and backfilling over the vacant lot after the box culvert has been constructed.

Benefit: The proposed improvements will reduce chronic flooding problems in residential and commercial areas, and will make the streets safer for vehicular and pedestrian travel.

Other Funding: \$0

Implementation Period: 2 Complete

Future Operating & Maintenance Costs: Minimal

7) Project

FC-7 -- Town of Sahuarita

Location: Town of Sahuarita, Drainage Improvements

Bond Funding: \$500,000

Scope: Drainage crossings will be improved along La Cañada Drive and Camino de las Quintas, south of El Toro Road, located in the most populous parts of town. Washes draining from the west toward the Santa Cruz River on the east cross both of these roads, creating safety hazards and making them nearly impassable during summer monsoons. Five drainage crossings at each road will be improved. Pipe culverts will be constructed under both roads, and the drainageways between La Cañada Drive and the downstream Camino de las Quintas will be improved.

Benefit: These projects will improve the conveyance capacity of these drainageways, resulting in reduced flooding on these locally well-traveled roads, and making for safer driving conditions.

Other Funding: Transportation bond project DOT-51 provides \$1.5 Million for this area with a similar purpose.

Implementation Period: 2, 3, 4, 5

Future Operating & Maintenance Costs: Minimal

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

Implementation Period: 2, 3 Complete

Future Operating & Maintenance Costs: Minimal

9) Project

FC-9 -- Green Valley Number 9

Location: Green Valley Number 9, Drainageway Improvements

Bond Funding: \$1,000,000

Scope: Town homes along the north bank of this watercourse have long been susceptible to flooding. In the upstream reach, two new three barrels 8' X 5' cells will be added to the existing four-cell box culvert under Camino Portillo and Holgado, to allow the 100-year flow to pass through the culverts. A new 400 foot long earthen dike, protected by gabion will be installed, on the north bank upstream of Camino Holgado, and a new 600 foot long earthen dike with gabion protection will be installed on the north bank down-stream of the 400-foot long dike, to help keep floodwater in the main channel. In the downstream reach, plans call for-constructing new gabion bank stabilization along the balance of the unprotected reach. A new grade control structure will prevent erosion from undermining the bank stabilization.

Benefit: The threat of flooding and the erosion hazard will be reduced for residences and roadway maintenance needs near the undersized culvert will be reduced.

Other Funding: \$237,542 Flood Control Tax Levy, \$1,507 Miscellaneous Revenue

Implementation Period: 2

Future Operating & Maintenance Costs: Minimal

10) Project

FC-10 -- Continental Vista

Location: Continental Vistas, Green Valley - Drainageway Improvements

Bond Funding: \$250,000

Scope: Subdivisions located northwest of Continental Road and La Cañada Drive are traversed by three drainageways. Bank erosion and over-bank flooding threaten residential structures, and bank erosion threatens Continental Road. Bank stabilization at four locations is proposed to reduce the erosion and flood hazard in this subdivision. Along the north wash, approximately 200 linear feet of placed rock rip-rap slope mattress protection covering an earthen berm will divert flows away from this vulnerable area; downstream approximately 625 linear feet of rock gabions will be placed along the channel banks. Along the middle wash, approximately 150 linear feet of placed rock rip-rap or gabions are needed to reinforce the bank in this area. On the south wash, approximately 600 linear feet of stacked gabions are

needed to protect this steep bank. Further downstream, across La Canada Blvd., approximately 570 feet of rock slope mattress is needed to reduce bank erosion.

Benefit: These improvements will protect residences in these subdivisions from flooding and erosion hazards and will protect Continental Road and La Canada Blvd. from erosion hazards.

Other Funding: \$45,000 from the property owners of the Continental Vista subdivision.
\$509,450 (Flood Control District Tax Levy Revenue)

Implementation Period: 2, 3, 4

Future Operating & Maintenance Costs: Minimal

11) Project FC-11 -- South Tucson Fourth Avenue

Location: Fourth Avenue Drainage Improvements, City of South Tucson

Bond Funding: \$500,000

Scope: In conjunction with planned roadway improvements to South Fourth Avenue, storm drain systems will be installed to reduce flooding in the streets and surrounding neighborhoods. Two storm drain projects are proposed: (1) construct a box culvert at 4th Avenue and 36th Street, extending northwest to 6th Avenue and 35th Street and tying into an existing storm drain system; and (2) construct a box culvert at 4th Avenue and 32nd Street, extending northwest to 6th Avenue and 29th Street.

Benefit: Both of these projects will reduce flooding in the streets and surrounding neighborhoods, and will improve the safety of vehicular travel. Construction of the storm drains in conjunction with the roadway improvements will reduce costs and lessen the disruption in the community due to construction.

Other Funding: \$0

Implementation Period: 1 Complete

Future Operating & Maintenance Costs: Minimal

12) Project FC-12 -- Fairview and Limberlost

Location: Fairview Avenue and Limberlost Drive, Urban Drainage Improvements

Bond Funding: \$1,010,000

Scope: Following significant upstream development in the mid-1970's, the Fairview/Limberlost area has experienced repeated residential and roadway flooding. Approximately 1100 linear feet of new 2 barrel 8' x 4' box culvert storm drain will be constructed along the east side of Fairview Avenue to collect and convey flows from Limberlost Drive to just south of Wetmore Road. The new box culvert will join the existing 2 barrel 8' X 4' box culvert underneath the Tucson Auto Mall. Additionally, the storm drain will be extended upstream from Fairview along Limberlost and 14th Street.

Benefit: Reduced flooding of residential structures, including single family residences and manufactured homes. Travel on roadways downstream (northwest) of the intersection of Fairview and Limberlost would be made safer during rainfall events.

Other Funding: \$1,817,497
County HURF Revenues - \$500,000
Flood Control Tax Levy - \$ 980,985
City of Tucson - \$376,497

Implementation Period: 3 Complete

Future Operating &
Maintenance Costs: Minimal

13) Project

FC-13 -- Holladay and Forrest

Location: Holladay Street and Forrest Avenue, Drainage Improvements

Bond Funding: \$500,000

Scope: Drainage improvements are needed to eliminate repeated flooding of homes in this neighborhood, located northwest of the intersection of Mission and Drexel Roads. Due to the absence of conveyance facilities, most flow occurs over the land surface and concentrates in the streets. Proposed new improvements include constructing 1) a 2-foot high, 200-foot long berm on the south side of Canada Street at Westover Avenue; 2) a 25-foot wide, 1.5 foot deep, 700-foot long swale north of Canada Street and west of Westover Avenue, draining east to the Dakota Wash; 3) a berm along the west side of Westover Avenue north of Drexel Road; and 4) a 15-foot wide, 1.5-foot deep, and 500-foot long concrete drainage channel between Westover Avenue and Forrest Avenue. Other improvements include lowering the elevation of the intersection of Forrest Avenue and Holladay Street; and Holladay Street from Forrest Avenue to the Dakota Wash (approximately 600 feet). Holladay Street will be reconstructed as an inverted crown street, approximately 36 feet wide with 8-inch high curbs.

Benefit: Homes that are flooded during even relatively small rainfall events will be protected from the 100-year flood and safer vehicular access will be provided in this area. It should be noted an elementary school is located on Holladay Street east of Forrest Avenue.

Other Funding: \$1,168,112 (Flood Control District Tax Levy Revenue)

Implementation Period: 2, 3, 4

Future Operating &
Maintenance Costs: Minimal

14) Project

FC-14 -- Tucson Diversion Channel

Location: Tucson Diversion Channel, Drainage Improvements

Bond Funding: \$500,000

Scope: The proposed project is located along the Tucson Diversion Channel, which extends from Wilmot Road on the east to the channel outfall at the Santa Cruz River on the west. The Tucson Diversion Channel traverses the northern boundary of Davis Monthan Air Force Base, and extends through the City of Tucson and the City of South Tucson, intercepting flows draining from the southeast and delivering them to the Santa Cruz River. Proposed improvements to the Tucson Diversion Channel and its associated tributary drainage systems are needed to alleviate flood damage in surrounding areas.

Benefit: Improved drainage conditions and safer roadway travel for municipal and county residents in adjacent areas. In addition, potential flood damage to major urban infrastructure in the area, including several major roadway networks, the Southern Pacific Railway facilities, and the County's new Spring Training/Sports Park Development facility, will be reduced.

Other Funding: \$0

Implementation Period: 5

Future Operating & Maintenance Costs: Minimal

G. Question No. 7 - Solid Waste Improvements

For the purpose of acquiring, constructing, expanding and improving the solid waste disposal facilities of the County, including development of a new regional solid waste disposal facility, closure of the regional Tangerine disposal facility required to meet federal and state environmental standards, expansion of the Sahuarita solid waste disposal facility, and undertaking necessary remediation and corrective environmental actions at closed County landfills and paying all expenses properly incidental thereto and to the issuance of such bonds, shall Pima County, Arizona be authorized to issue and sell general obligation bonds of the County, in an aggregate principal amount not exceeding \$12,500,000?

1) Project **SW-1 – Regional Solid Waste Management**
Location: Location to be determined
Bond Funding: \$2,000,000
Scope: The County is evaluating alternatives to meeting community needs for regional solid waste management.
Benefit: Pursuant to state mandates, Pima County will continue to provide waste disposal services after closure of Tangerine Landfill. The County itself, however, will not implement and operate a new regional landfill. Instead, the County has initiated a process to evaluate the use of private waste management companies to provide long-term waste management services.
Other Funding: \$0
Implementation Period: To be determined.
Future Operating & Maintenance Costs: Equipment and personnel from the closed Tangerine Landfill will transfer to other County solid waste management facilities and departments.

2) Project **SW-2 -- Tangerine Closure**
Location: Tangerine Road, One mile west of I-10
Bond Funding: \$3,000,000
Scope: In accordance with State permit conditions, following facility operational closure, construct a landfill final cover system, revegetate the final cover surface, and possibly install a landfill gas collection and control system.
Benefit: Provide for long-term protection of the public and the environment.
Other Funding: \$0
Implementation Period: 5, 6, 7, 8
Future Operating & Maintenance Costs: Pursuant to state permit requirements, Pima County is responsible for long-term post-closure maintenance of this solid waste facility.

3) Project **SW-3 -- Sahuarita Expansion**
Location: La Canada Drive, South of Sahuarita - I-10 Interchange
Bond Funding: \$4,000,000
Scope: Expand the existing landfill disposal area by construction of a lined disposal cell, relocated facility entrance, entrance facilities, public dropoff and recycling area, household hazardous waste station, and groundwater compliance and production wells.
Benefit: To provide for continued waste disposal services for the Sahuarita-Green Valley Area for an additional ten to fifteen years.

Other Funding: \$4,828,719 (1982 General Obligation Bonds for Solid Waste)
Implementation Period: 2, 3, 4, 5
Future Operating & Maintenance Costs: Existing personnel and equipment will continue to operate at this facility. Therefore, additional operating and maintenance cost will be minimal.

4) Project

SW-4 -- El Camino del Cerro Environmental Remediation

Location: Santa Cruz River, El Camino del Cerro and I-10

Bond Funding: \$3,500,000

Scope: Groundwater Operable Unit (211047):

In response to regulatory obligations, design, permit, and construct a groundwater remediation system that collects and treats contaminated groundwater in the County project response area, and a related groundwater compliance monitoring system.

Landfill Operable Unit (2ECDCR):

In response to regulatory obligations, design, permit, and construct the remaining portion of the landfill final cover system, the landfill perimeter stormwater management system, and a landfill gas extraction system. Operate the landfill gas control system and the soil vapor extraction system as needed for source control of potential gas migration.

Benefits: Reduced environmental contamination potential to groundwater and increased integrity of the landfill final cover and stormwater management systems.

Other Funding: \$450,765

Implementation Period: 1, 2, 3, 4, 5, 6, 7, 8

Future Operating &

Maintenance Costs: Long-term operation of a groundwater treatment system will require funding for both operation and maintenance. Similarly, if extended operation of the two existing landfill gas control systems is warranted, this will require funding for both operation and maintenance.

H. Question No. 8 - Sewer System Revenue Bonds

For the purpose of paying the costs of improvements, expansions and extensions to the sewer plant and system of the County both within and without the County, including additional, expanded and enhanced effluent reuse, recharge and environmental protection facilities, additional storage and treatment facilities, pumps, conduits, pipelines, mains, and all necessary rights, properties, facilities and equipment therefore, and to acquire land, interests in land and rights-of-way for such purposes and paying all expenses properly incidental thereto and the issuance of such bonds, shall Pima County, Arizona be authorized to issue and sell sewer system revenue bonds of the County in an aggregate principal amount not exceeding \$105,000,000, to be payable solely from the revenues of the sewer system of the County?

1) Project	<u>SS-1 -- Ina Road Treatment Plant</u>
Location:	Ina Road and Interstate-10
Bond Funding:	\$66,641,599
Scope:	The construction of facilities at the existing Ina Road Water Pollution Control Facility to increase the plant's treatment capacity by 50 percent, from 25 million gallons/day to 37.5 million gallons/day and to enhance treatment to comply with water quality regulations and permit requirements. Subsequent to the initial Bond Improvement Plan, the following major elements were added to this Scope: a new effluent outfall pipeline to the Santa Cruz River; installation of a third centrifuge at the solid handling facility; design and construction changes in response to changing regulatory environments requiring updated and/or increased treatment capabilities (odor control, nitrogen removal and other features and associated instrumentation and controls); and on-site supervisory control and data acquisition (SCADA) system to provide better monitoring/control of the overall plant's treatment processes. Due to the magnitude of undertaking, the project has been separated into three separate construction projects: Phase One - new plant Outfall; Phase Two - new headworks; and Phase Three - Process changes
Benefit:	The project is needed to provide capacity for the projected flow demands from Oro Valley, Continental Ranch, portions of Marana, the Catalina foothills, the City of Tucson and unincorporated areas in the northwest. The process change assures compliance with the water quality requirements of the state Aquifer Protection Permit and federal National Pollutant Discharge Elimination System, as well as providing a higher quality effluent.
Other Funding:	\$18,977,415 – Proceeds from previous bond sales, revenues in the System Development Fund and a 1997 WIFA loan based upon the 1986 Sewer Revenue Bond Authorization
Implementation	Period: 1, 2, 3, 4, 5, 6 Phase One 1 Complete Phase Two 2 Complete Phase Three 3, 4, 5
Future Operating & Maintenance Costs:	In the first year after construction, operating and maintenance costs will be minimal.

2) Project

SS-2 -- Green Valley Wastewater Treatment Plant Upgrade & Expansion

Location: Just north of Duval Road and approximately one mile east of I-19 on the east bank of the Santa Cruz River.

Bond Funding: \$4,000,000

Scope: The construction of additional facilities at the existing Green Valley waste water treatment facility to increase the capacity from 2.1 million gallons/day to 4.1 million gallons/day. The expansion also includes enhanced treatment to allow the treated effluent to be reused, recharged or discharged to the Santa Cruz River and to comply with state regulations. Subsequent to the initial Bond Improvement Plan, the following major components were added to the project: process improvements; the inclusion of solids handling facilities; odor control provisions, infrastructure to accommodate the next 2.0 MGD expansion module, and a new headworks. The Original plant design envisioned that the Quail Creek development would construct off-site facilities for reclaimed water. For flexibility and economy, the Department combined the proposed off-site facilities with the treatment plant expansion, utilizing a \$1.2 million contribution from Quail Creek towards the integrated process. The facility will produce Class A+ water suitable for turf irrigation.

Benefit: The project is needed to meet the projected wastewater flows for the Green Valley service area and to comply with the corresponding permit requirements for recharging, reusing and discharging effluent. The project assists in addressing concerns about the depletion of groundwater supplies and lowering of the water level in the area by providing effluent that can be substituted for current uses of groundwater or recharged to replenish the aquifer.

Other Funding: \$14,310,519 - Proceeds from previous bond sales, WIFA loans, revenues in the System Development Fund and developer contributions.

Implementation Period: 1, 2, 3, 4

Future Operating &

Maintenance Costs:

In the first year after construction, increases in operating and maintenance costs will be minimal. Costs will increase over a period of approximately five to ten years, so that in year ten, annual operating and maintenance costs will have increased by approximately \$116,000 annually over current costs.

3) Project

SS-3 -- Santa Cruz Interceptor, Prince to Franklin

Location: The interceptor parallels I-10 from downtown at Franklin Street north to Prince Road.

Bond Funding: \$3,000,000

Scope: The planning design and easement acquisitions for a new public sanitary interceptor sewer from Prince Road to Franklin to relieve the overcapacity Northwest Outfall Interceptor and to allow for future flow demand. The design of 21,600 feet of new 66-inch diameter and 1,525 feet of new 60-inch diameter sewer will be updated based on these planning and easement acquisitions. The project is to relieve an existing 30-inch sewer. Subsequent to the Bond Improvement Plan, a first phase of construction – Fort Lowell Road to Grant Road – was added to the scope of this project.

Benefit: This project will fix the alignment and design of the future sanitary interceptor sewer and provide for right-of-way acquisition ahead of ongoing expensive development along the project alignment

Other Funding: \$ 3,599,600 in System Development Funds: \$3,599,600 for Phase One design and construction; \$344,836 for Phase II and III design.

Implementation Period: 1, 2, 3, 4
 Design 1, 2 Complete
 Planning/Easement Acquisition 3, 4
 Phase One Construction 1 Complete

Future Operating & Maintenance Costs: Should be reduced from existing costs.

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.

Other Funding: \$529,666 - Revenue from the System Development Fund.

Implementation Period: 1, 2, 3, 4, 5, 6, 7

Future Operating & Maintenance Costs: Not Applicable

5) Project SS-6 – Tanque Verde Interceptor, Hidden Hills Wash to Arbor Circle

Location: The interceptor parallels the Tanque Verde Wash from the Hidden Hills Wash east to Arbor Circle Road.

Bond Funding: \$110,000

Scope: This work will include construction of approximately 6,000 feet of a 24-inch diameter interceptor sewer. Flows to the overloaded North Rillito interceptor will be rerouted to the South Rillito interceptor allowing for projected future increases in flows due to development. This project was retired and remaining bond funding was reallocated to SS-14 Randolph Park Wastewater Reclamation Facility. (Bond Ordinance Amendment 2004-15)

Benefit: The additional capacity will allow the Tanque Verde and Pantano sewer basins to have 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: \$0

Implementation Period: 1, 2, 3

Future Operating & Maintenance Costs: Since the new sewer will carry flows from adjacent overloaded sewers, savings in crisis maintenance costs on the overloaded systems will be realized. Operating and maintenance costs on the new sewer will be minimal in the first several years, requiring only spraying for roach control.

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

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 System Development Funds.

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 - Proceeds from previous bond sales and 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.

9) Project

SS-10 -- Roger Road Area Odor Control and Miscellaneous Facilities

Location: Roger Road Area odor control facilities will be installed at/near the headworks of the Roger Road WWTF and within strategic portions of the sanitary interceptor sewers tributary to the Roger Road WWTF.

Bond Funding: \$2,664,399

Scope: The mitigation of odors where they are a problem. Work includes those actions to construct or rehabilitate conveyance system facilities or to install permanent chemical dosing facilities at strategic locations to minimize the off-gassing of offensive odors. The project has been divided into three phases: Phase I: Construction of odor improvements at the Headworks (completed during Summer 2002.); Phase II: Collection system odor control and other improvements/rehabilitation - chemical addition facilities (now nearing completion); and, Phase III: Contract for the Consultant Study concerning recommendations for the mitigation of remaining odors, which has been completed and resulted in identification of \$15 million in additional projects to complete odor control.

Benefit: This project will reduce odor complaints from the public. Annual maintenance costs are not expected to change significantly.

Other Funding: \$2,623,031 Revenues in the System Development Fund.

Implementation Period: 1, 2, 3, 4, 5, 6, 7
Phase One 1,2 Complete
Phase II 1, 2, 3, 4
Phase III 1, 2, 3, 4, 5, 6, 7

Future Operating & Maintenance Costs: Certain operating and maintenance costs will be reduced while the cost for odor control chemicals will remain approximately the same. These annual operating and maintenance costs, principally for chemical purchases, will probably not exceed \$500,000.

10) Project **SS-11 -- Arivaca Junction Wastewater Treatment Facility Sewer Extension**

Location: This project begins at the existing Arivaca Junction wastewater treatment facility located at the Santa Cruz County line and I-19 and continues north with a new interceptor along I-19 to an interceptor at the northeasterly corner of the Roadhaven Subdivision in Green Valley.

Bond Funding: \$85,601

Scope: Design for the construction of new sanitary public sewer to convey wastewater from the Arivaca Junction wastewater treatment facility to the existing Green Valley wastewater treatment facility conveyance system and closure of the Arivaca Junction wastewater treatment facility, which is operating above capacity. Scope of design will include 1.6 miles of new 12-inch diameter gravity sewer and 4.5 miles of new 6-inch force main and the closure of Arivaca Junction wastewater treatment plant.

Benefit: This project will eliminate a treatment plant that is over capacity and causes odor complaints and will provide additional capacity to serve the projected developments in the Green Valley sewer service area. Maintenance costs for the Arivaca Junction wastewater treatment facility will be eliminated as well as effluent disposal concerns.

Other Funding: \$34,427 - Proceeds from previous bond sales and the remaining balance to be funded with Systems Development Fund.

Implementation Period: 1, 2, 3, 4, 5, 6, 7

Future Operating & Maintenance Costs: The operating and maintenance costs of maintaining an overloaded wastewater pond will be eliminated, thereby reducing costs. Operating and maintenance costs in the first several years will be only for spraying for roach control.

11) Project **SS-14 -- Randolph Park Wastewater Reclamation Facility**

Location: Randolph Park

Bond Funding: \$15,236,510

Scope: The new Randolph Park Water Reclamation Facility will take wastewater from the sanitary sewer collection system, remove grit and fine particles from the raw wastewater, pump the wastewater to the main plant and treat the wastewater with membrane bio-reactor and simultaneous nitrification/denitrification processes.

Benefit: Satisfies an intergovernmental agreement for reuse water for the Randolph Park golf course and other facilities of Pima County. Community benefits include providing high quality reuse water for Kino Sports Park and other county parks, golf courses, riparian habitat and future aquifer recharge.

Other Funding: \$24,663,490 - Revenues from the System Development Fund

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

Future Operating & Maintenance Costs: \$1,200,000 annually

12) Project **SS-15 -- Ed Pastor Environmental Restoration Project**

Location: The project will be constructed adjacent to the Kino Sports Park site

Bond Funding: \$5,000,000

Scope: The construction of a an ecosystem restoration project at the Ajo Detention Basin and including storage to provide reclaimed water and storm water for uses at the Kino Sports Complex. Work will include multi-use facilities including parks, trails, riparian habitats and storm water retention. The project has been constructed in cooperation with the Pima County Flood Control District and the U.S. Army Corps of Engineers. Remaining bond funds totaling \$54,052 have been allocated to the 2004 Bond Project 6.4 Roger Road Wastewater Treatment Plant (WWTP) to Ina Road Water Pollution Control Facility (WPCF) Plant Interconnect.

Benefit: This project will beneficially reuse effluent, thereby contributing to groundwater conservation goals.

Other Funding: \$7,046,659
System Development Fund - \$1,282,459
U.S. Army Corps of Engineers - \$5,000,000
Flood Control District - \$764,200

Implementation Period 1, 2, 3 Complete
Future Operating & Maintenance Costs: \$30,000 annually

13) Project

SS-17 – Green Valley Effluent Reuse for Turf Irrigation

Location: The location will be an interceptor route parallel to I-19 from the Green Valley WWTF south to area golf courses.

Bond Funding: \$3,490

Scope: The design and construction of an effluent reuse line, with a force main and river crossing, to provide reclaimed water for future withdrawal to area golf courses. This project was retired and remaining bond funding was reallocated to SS-14 Randolph Park Wastewater Reclamation Facility. (Bond Ordinance Amendment 2004-15)

Benefit: This project will utilize effluent on golf courses which presently pump groundwater. Use of effluent in this manner is a beneficial use of effluent consistent with the community's groundwater conservation goals.

Other Funding: \$0

Implementation Period: 2

Future Operating & Maintenance Costs: \$20,000

V. Leverage of Local Funds

In the project listing in the previous section, only those known funds that are available or will be required to match bond funding have been listed. A number of federal and state revenue sources will be explored to add to the funding available to complete each specific project. However, specific project funding applications must be processed in order to secure funding. For example, the trail, open space, archaeological and historic projects are directly eligible for heritage funding. However, a grant application process must be undertaken. It is also possible that for projects in other jurisdictions, funding will be made available to enhance the projects funded with bond funding. During implementation of the bond projects over the life of this authorization, outside funding will be sought to advance completion of the program, or reduce project costs to the local taxpayer.

VI. Open Space Acquisition Guidance

The properties identified in this ordinance to be acquired as open space have been selected based on conceptual open space planning. Precise boundaries have not been defined. The areas of acquisition should be considered general target areas. It is possible that the value of all property within a given target area may exceed the bond fund allocation for the open space acquisition. Priority of acquisition within a specific target area shall be by cost-effectiveness of purchase, i.e. lower unit cost properties will be acquired first. No property within a target area will be acquired unless the acquisition cost is at or below appraised value. For acquisition of property where the owner demands payment in excess of appraised value, the property may only be acquired through a condemnation proceeding.

Some of the lands designated for open space acquisition are State Trust lands held in trust for various beneficiaries including school districts and the state mental hospital. Every effort will be made to minimize the cost of these acquisitions. These efforts will range from using existing State procedures to have the lands declared held for conservation purposes to encouraging a change in the State Constitution, which would allow land exchanges between federal, state and local governments. Actual acquisition at public auction will be an action of last resort to ensure that the land in question is permanently reserved for purposes of conservation and protection.

To provide for additional study and analysis, the Board of Supervisors created and established membership criteria the Open Space Acquisition Review Committee (OSARC). OSARC is an independent expert citizen committee, whose goal was to ensure that further planning and analysis was an open process. OSARC is advisory to the Board of Supervisors and is to make recommendations to the Board of Supervisors on implementation of the Open Space Bond Fund program.

In implementation of the Open Space Bond Fund program, the Board of Supervisors has the authority and the option to transfer bond authorization from one target acquisition area to another and allocating, at its sole discretion, "Other Funds" to target acquisition areas to replace reallocated Bond Funds. Such flexibility in reallocation of Bond Funds is necessary in the day-to-day acquisition of land, so as to provide for payment of cash for acquisitions, thereby avoiding interest payments, and responding quickly to acquisition opportunities that arise, completing higher priority acquisitions in a timely manner. The Board of Supervisors will ratify such reallocation of Bond Funds in subsequent amendments to this Ordinance.

Nothing shall prohibit the owners of property identified for possible acquisition from using their property in accordance with existing zoning and land use or development codes of Pima County, including, but not limited to, filing for any change in the status of land use designated in the Comprehensive Plan, or filing for a land use or zoning change. Any property owner filing for a building permit, conditional use permit, Comprehensive Plan Amendment, or zoning change on property targeted for possible open space acquisition will only need to comply with the standard procedures and processes established for same.

VII. Undesignated Projects

There are three project/program categories where specific projects have not been named. In these particular categories, project development, evaluation and selection must occur before funds are spent from these specific project categories. The questions containing bond amounts for undesignated projects are as follows: Question No. 3-Parks -- Tucson Athletic and Play Field Improvements (\$3 million); Question No. 5-Public Health, Safety, Recreation and Cultural Facilities -- Neighborhood Reinvestment (\$10 million); and Question No. 5-Flood Control Improvements -- Tucson Urban Drainage (\$2 million).

Project funding allocations to specific projects will only occur after a public hearing is held by the Board of Supervisors where the projects to be funded have been advertised in a newspaper of general circulation of the County. The Board shall take into consideration review and comments made at the public hearing when selecting specific projects.

Project selection, eligibility, and evaluation will occur as follows:

- A. Urban Drainage Project Selection - Projects in this category shall be selected after evaluation of urban flooding conditions at a variety of locations within the City of Tucson. The evaluation shall take into consideration the expected reduction in flood damages that will occur because of the project. Preference will be given to projects that reduce, to the maximum extent possible, flood hazard exposure to residential property. Financial participation from benefiting property owners is desired whenever possible, but will not be required.
- B. Tucson Athletic Play Field Improvements - This category will provide neighborhood level athletic and play field development. Projects shall not exceed \$150,000 in cost. Preference will be given to athletic fields used by organized youth leagues. In addition, funding priority will be given to projects located in areas of documented youth stress. Other outdoor recreation and entertainment activities are eligible for funding from this category for those youth who may not have specific interests in athletics. The Board shall establish a public review and selection process where the users and, in particular, youth leagues, participate in the decision process regarding what projects are funded.
- C. Neighborhood Reinvestment - Neighborhood Reinvestment Program funding will be offered to neighborhoods and local residents in an effort to allow self-directed decision making as to what type of capital improvement and/or investment within the particular neighborhood or residential area will promote stability, reinvestment, or new capital investment to improve neighborhood housing quality.

- 1) Neighborhood Eligibility - All organized neighborhoods are eligible for program funding. Neighborhoods presently experiencing stress as defined by physical and socio-economic factors will be given preference for funding. Various stress analyses of existing neighborhood conditions are available from governmental entities.
- 2) Eligible Projects - Projects for funding will include, but not be limited to:
 - a. Subject to legal authority of the County, establishment of up to a \$5 million Housing Trust Fund to facilitate housing repair and investment patterned after the State Housing Trust Fund.
 - b. Purchase and demolition of abandoned and unsafe buildings.
 - c. Repair of abandoned buildings and conversion of same to a neighborhood public place for a variety of educational, health, or social service delivery.
 - d. Construction and development of child care facilities within the neighborhood.
 - e. Construction of neighborhood recreational facilities such as a basketball court, playground, or other similar facility.
 - f. Street improvements such as paving, lighting and construction of traffic diverters or other improvements to create more livable streets.
- 3) Funding Limitations - Recognizing that the amount of total funding is limited, unless waived by the Board of Supervisors as being in the best interests of the County and warranted by the circumstances of the bond funded project at issue, projects within any neighborhood will be limited to a maximum of \$150,000. All projects will require some form of matching resources, from financial participation to equity labor, to be provided by the specific neighborhood.
- 4) Project Evaluation - All projects submitted for funding each calendar year shall be evaluated by both technical staff of the County, as well as a public review committee made up of various citizens appointed by the Board. The public review committee shall hold meetings throughout the community to receive public concerns on eligible and neighborhood requested projects.
- 5) Project Selection - Annually the Board of Supervisors shall select neighborhood reinvestment projects from among those submitted.
- 6) Project Operating and Maintenance Requirements - Appropriate assurances shall be received that neighborhood reinvestment projects will be maintained in good condition over the useful capital life of the constructed facility or improvement.

VIII. Design, Construction, and Equipping of County Bond Projects by Other Jurisdictions

Pursuant to Pima County Code Section 3.06.080, bond projects authorized by the Board in the Bond Improvement Plan for the May 20, 1997 Special Bond Election to be designed, constructed, or equipped by another political subdivision using County general obligation bonds to fund a project in whole or in part shall be funded by the County only pursuant to an intergovernmental agreement executed between Pima County and the implementing subdivision. The intergovernmental agreement shall authorize the jurisdiction to design, construct, or equip the project, subject to compliance with the terms and mutual responsibilities of the parties agreed upon in the intergovernmental agreement. Unless waived by the Board of Supervisors as being in the best interests of the County and warranted by the circumstances of the bond funded project at issue, the intergovernmental agreement shall include, but not be limited to, the following responsibilities of the implementing subdivision:

1. That the implementing political subdivision shall operate and maintain the improvements designed, constructed, or equipped by County bond funds for a period of not less than twenty-five (25) years.
2. That the implementing political subdivision shall not charge a fee for use of the designed, constructed, or equipped improvement that is more than a fee charged by the County for a similar purpose.
3. That the implementing political subdivision agrees to insure the improvements designed, constructed or equipped with County bond funds and will replace same if damaged or destroyed.
4. That the implementing political subdivision agrees to make the improvements available to all residents of Pima County without restriction or preference to jurisdiction of residence.

In addition, unless waived by the Board of Supervisors as being in the best interests of the County and warranted by the circumstances of the bond funded project at issue, intergovernmental agreements shall:

5. establish the amount of County bond funds to be allocated to a specific project, establish the stated amount as a maximum of County bond monies to be allocated to the project, and commit the implementing political subdivision to pay for any and all costs in excess of County bond funds;
6. contain a termination provision permitting the County to unilaterally terminate a bond improvement plan intergovernmental agreement whenever the County determines violations of federal arbitrage regulations are likely to occur and to reallocate said funds to any project authorized by the bond improvement plan;
7. require that the implementing subdivision agree to comply with all provisions of Chapter 3.06, Bonding Disclosure, Accountability, and Implementation, of the Pima County Code;

8. grant to the implementing jurisdiction the ability to manage all phases of project implementation, including design, contracting, and contract administration, subject to review and concurrence by the County. Nothing shall require the County to grant local implementation.
- 9 establish that the implementing jurisdiction will either pay for costs directly and request reimbursement from the County from allocated bond funds or submit bills and invoices directly to the County for payment from bond funds.

It is contemplated that separate intergovernmental agreements will be executed for each individual project funded by County bond funds to be implemented by another political subdivision.

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, on this 18th day of October, 2011.

Chairman, Board of Supervisors

Attest:

Reviewed by:

Clerk, Board of Supervisors

County Administrator

Approved as to Form:

Civil Deputy County Attorney