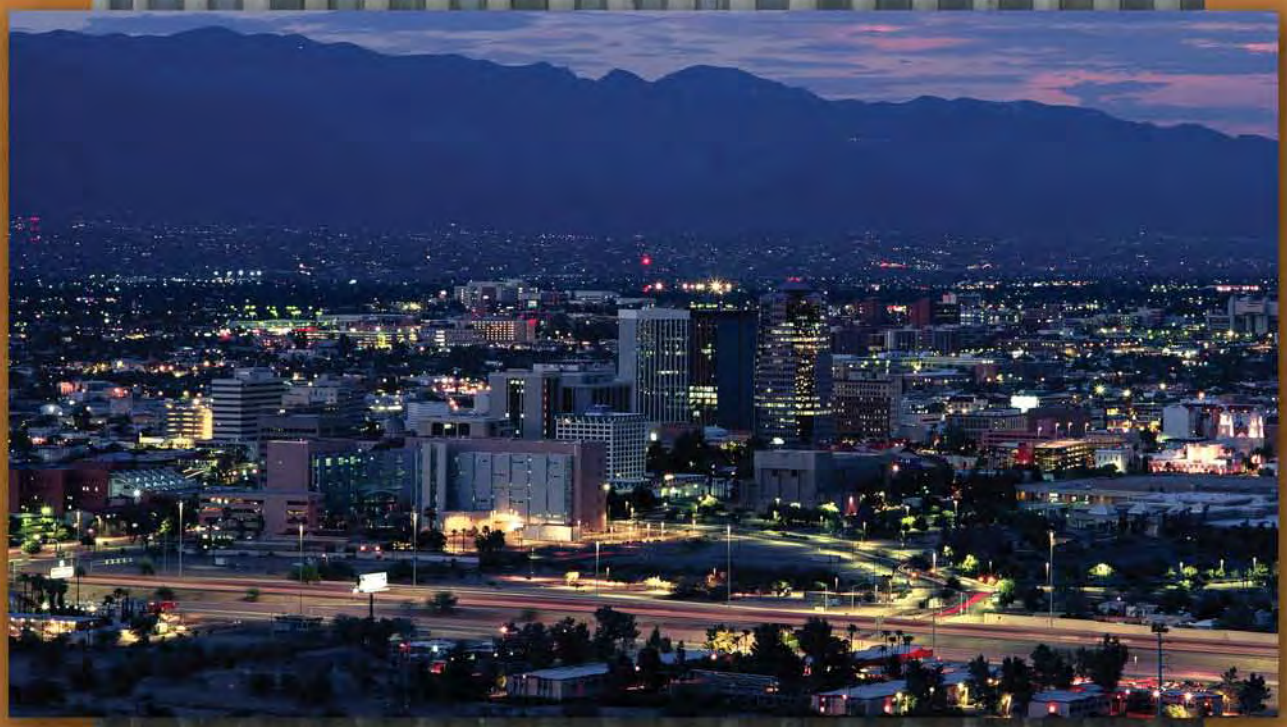
# CITY OF TUCSON



## Approved Five-Year Capital Improvement Program

**Fiscal Years 2009 through 2013**

## Volume III

# CITY OF TUCSON

Approved Five-Year Capital Improvement Program
Fiscal Years 2009 through 2013
Presented July 1, 2008

## CITY COUNCIL

HONORABLE
ROBERT E. WALKUP
MAYOR

REGINA ROMERO
WARD 1

RODNEY GLASSMAN
WARD 2

KARIN UHLICH
WARD 3

SHIRLEY C. SCOTT
WARD 4

STEVE LEAL
WARD 5

NINA J. TRASOFF
WARD 6

## CITY ADMINISTRATION

MIKE HEIN
City Manager

MICHAEL D. LETCHER
Deputy City Manager

RICHARD MIRANDA
Assistant City Manager

KAREN MASBRUCH
Assistant City Manager

# Table of Contents

**Reader's Guide** ..... ii

## Section A – Overview

Overview of the Capital Improvement Program ..... A-1
- Table I: Summary by Department ..... A-9
- Table II: Summary by Funding Source ..... A-10
- Table III: Summary of CIP Impact on the Operating Budget ..... A-13
- Table IV. Projects with Pima County Funding ..... A-14

## Section B – Department Programs

Community Services ..... B-1
Environmental Services ..... B-7
Fire ..... B-27
Information Technology ..... B-35
Neighborhood Resources ..... B-39
Parks and Recreation ..... B-43
Police ..... B-85
Transportation ..... B-93
Water ..... B-163

## Section C - Impact Fee Projects Plan

Impact Fee Projects Plan ..... C-1

# Reader's Guide to the Capital Improvement Program

The Five-Year Capital Improvement Program (CIP) document includes an overview and individual department programs.

## Overview

As the name suggests, the section provides a citywide overview of the CIP. It includes summaries by expenditure and by funding source, as well as brief explanations of both. The narrative is followed by three tables: Summary by Department, Summary by Funding Source, and Operating Cost Impact Summary.

## Department Programs

Each department program contains the following:

- Brief department statement
- Impact of the department's CIP on future operating budgets (if applicable)
- Map and Legend (if applicable)
- Summaries by project and funding source
- CIP project pages

## Finding a CIP Project

Projects can be located by finding the responsible department in the Table of Contents. Individual projects within each department's program are listed in alphabetical order by project name.

## Reading CIP Project Pages

The CIP project pages, located in the department programs, are presented in alphabetical order by project name. The project pages provide the following information:

| | |
|---|---|
| Description - | Brief explanation of the project scope. |
| Justification - | Brief explanation of why the project is being done. |
| Project ID - | Unique number identifying a project in the city's budget and financial systems. |
| Start Date/End Date - | Month and year of a project's start and completion date. Projects that continue from year-to-year are shown as "Annual." |
| Location - | Name of the ward in which the project is located. If a project is located in more than one ward, or outside the city, it is so noted. "To be determined" is used if the location for the project has not been finalized.<br><br>If a project is located within the Rio Nuevo Multipurpose Facilities District, it is noted as follows: (within Rio Nuevo District). |
| Source of Funds - | Table listing the funding source and the schedule for project expenditures. |

*Approved Five-Year*
*Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Section A
# Overview

# OVERVIEW OF FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM

It is the practice of the City of Tucson to develop, maintain, and revise when necessary a continuing Capital Improvement Program (CIP). The CIP covers a five-year planning horizon, identifying infrastructure and facility projects that the city will undertake and the funding sources available for projected expenditures.

The objective of this overview is to give the reader a brief look into the CIP. It contains the following financial and narrative information:

- Budget Highlights
- CIP Process
- Summary of Expenditures and Funding
- Department Programs
- Impact on the Operating Budget

## BUDGET HIGHLIGHTS

This approved five-year CIP totals $1.1 billion. Several factors and assumptions that impacted this approved CIP warrant special attention. These are briefly noted in this section; additional information is provided in later sections of the overview.

**• City projects from the approved Regional Transportation Authority plan are included in this CIP.** Voters approved this plan on May 16, 2006. This CIP includes $267.5 million for specific projects from the plan including the Modern Streetcar.

**• Capacity for Roads and Parks Impact Fee revenues is included.** Following a public hearing in March 2007, the Mayor and Council approved the Impact Fee Projects Plan (IFPP) for the road and parks impact fees. This CIP includes $6.8 million for projects from the IFPP. See Section C, Impact Fee Projects Plan for more details.

• **Future bond authorizations will be needed.** Park's and Recreation's CIP is dependent upon $5.2 million in general obligation bonds in Fiscal Year 2010. Environmental Services' CIP calls for $8.8 million in future revenue bonds for projects beginning in Fiscal Year 2010. Tucson Water's CIP includes $135.6 million in future revenue bonds for projects beginning in Fiscal Year 2010.

## CAPITAL IMPROVEMENT PLAN PROCESS

### Defining a Capital Improvement

To be included in the CIP, projects need to meet one of the following criteria:

- Construction of a new city asset or expansion of an existing city-owned facility, including preliminary planning and surveys, cost of land, staff and contractual services for design and construction, and related furnishings and equipment.
- Initial acquisition of a major equipment system, which will become a city asset, that has a cost of $100,000 or more and a useful life of at least six years.
- Major renovation or rehabilitation of an existing city-owned facility that requires an expenditure of $100,000 or more and will extend the life of the original city asset.

Exceptions have been made for inclusion of a few projects that do not meet the above criteria (Back to Basics, Sun Tran buses, and Van Tran paratransit vans) to make them more visible to the public and the governing body.

### Steps from Submittal to Approval

In early fall the process begins with the Department of Budget and Research meeting with CIP department liaisons to review guidelines for the upcoming CIP. Departments develop their CIP requests based on their assessment of needs, citizen committee input, and existing bond authorizations and grant awards. Departments are directed to include only projects with secured funding. Exceptions are made for annual federal grant appropriations from the Federal Transit Administration, for pending awards that would require budget capacity be available (e.g., any non-federal grant or contribution), and future revenues bonds for Enterprise Funds. Department requests are reviewed by the Department of Budget and Research and the City Manager's Executive Management Team.

The proposed CIP was presented to the Mayor and Council in April with the recommended biennial budget. The Council reviewed both operating and capital budgets at study sessions in May. The first two years of the CIP are included as part of the city's biennial budget. Two public hearings are held prior to the adoption of the biennial budget.

## SUMMARY OF EXPENDITURES AND FUNDING

Only funded projects, except as noted earlier, are presented in this five-year CIP. The objective is to clarify for the community what the city can do to meet its needs with the limited funds available.

### Expenditures

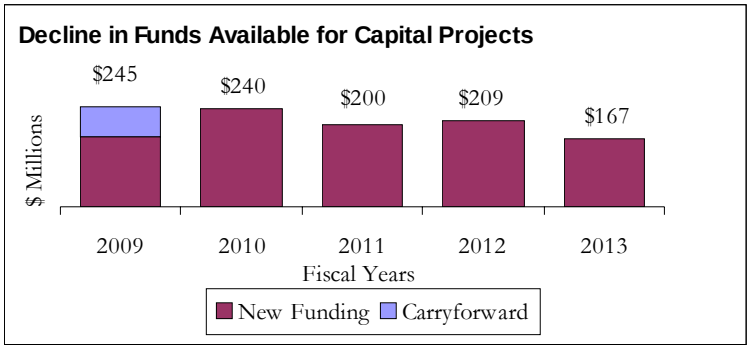
The approved five-year CIP for Fiscal Years 2009 through 2013 totals $1.1 billion. The majority of the projects are in the Environment and Development service area, which includes Environmental Services, Transportation, and Tucson Water.

**Five-Year CIP Summary of Expenditures**

| (in $000) | Adopted Year 1 FY 2009 | Approved Year 2 FY 2013 | Projected Five-Year Program |
|---|---|---|---|
| Neighborhood Services | $ 84,206.6 | $ 70,406.1 | $ 188,561.9 |
| Environment and Development | 160,701.0 | 169,246.6 | 872,669.0 |
| Support Services | 550.3 | -0- | 550.3 |
| Total | $ 245,457.9 | $ 239,652.7 | $1,061,781.2 |

This five-year CIP is $99.1 million more than the $962.7 million approved five-year CIP for Fiscal Years 2008 through 2012. The increase is primarily due to two factors: capacity for grant-funded projects in Transportation and capacity for Tucson Water projects.

CIP expenditures decline significantly after Fiscal Year 2009, from $245.4 million to $166.9 million by Fiscal Year 2013.




This funding decline is due to several factors. Fiscal Year 2009 includes $73.2 million carried forward for projects not completed as planned during Fiscal Year 2008. On top of that is $172.2 million in new funding. The CIP presumes that all of the Fiscal Year 2009 budget will be spent in that year. The decline in new funding over the following four years is primarily due to no carryforward and the spending down of the 2000 bond authorizations, which will be exhausted by Fiscal Year 2010, and the spending down of the 2005 water revenue bonds.

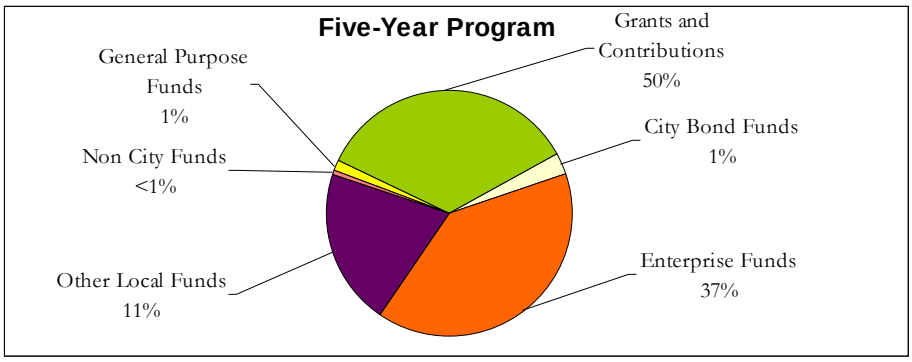
For a summary of expenditures by department and fiscal year, see Table I. Five Year Capital Improvement Program Summary by Department on page A-9.

## Funding Sources

This five-year program of $1.1 billion is funded primarily from Grants and Contributions, which are predominately RTA (Regional Transportation Authority) funds, and from Enterprise Funds, which are primarily Tucson Water Revenue and Operations Funds.

### Five-Year CIP Summary of Funding Sources

| (in $000) | Adopted Year 1 FY 2009 | Approved Year 2 FY 2010 | Projected Five-Year Program |
|---|---|---|---|
| General Purpose Funds | $ 2,164.7 | $ 485.0 | $ 6,249.7 |
| Grants and Contributions | 106,465.7 | 122,778.8 | 529,314.1 |
| City Bond Funds | 3,790.6 | 5,414.7 | 9,205.3 |
| Enterprise Funds | 70,392.1 | 65,828.1 | 392,921.2 |
| Other Local Funds | 62,008.8 | 45,146.1 | 123,454.9 |
| Non-City Funds | 636.0 | -0- | 636.0 |
| Total | $ 245,457.9 | $ 239,652.7 | $1,061,781.2 |




**General Purpose Funds.** This category, which includes the General Fund, totals $6.2 million, or only 1% of the five-year CIP. General Fund contributions to the Mass Transit Fund account for $6.0 million of that total. The remaining $0.2 million is for funds carried forward for the Back to Basics Program.

**Grants and Contributions.** This category totals $529.3 million or 50% of the five-year CIP. Included in this category are federal grants, funding for the Regional Transportation Authority (RTA) plan, the city's Highway User Revenue Funds (HURF), regional HURF distributed by the Pima Association of Governments (PAG), and other agency and private sector contributions.

RTA funds of $267.5 million account for the largest portion of this category, followed by federal grants of $157.8 million. Pima County general obligation bonds will provide $61.1 million. State-shared HURF provides another $36.3 million: $15.7 million from the city's HURF allocation and $20.6 million from regional HURF distributed by PAG. The remaining $6.6 million comes from developers, contributions and non-federal grants. (For a listing of projects receiving Pima County funds, see Table IV on page A-14.)

**City Bond Funds.** City bond funds, 1% of the five-year CIP, will provide $9.2 million over the next five years: $4 million from general obligation bonds, and $5.2 million from a future bond authorization.

Spending against the 2000 General Obligation Bond authorization will continue through Fiscal Year 2010. However, by the end of Fiscal Year 2009, the authorization will be 99% complete. Park's Africa Expansion - Elephant Exhibit project will require a new city or county bond authorization.

**Enterprise Funds.** Enterprise Funds total $392.9 million or 37% of the five-year CIP. Environmental Services account for only $40.2 million. Tucson Water accounts for the remaining $352.7 million: $165.7 million from user revenues and reserve funds, $50.7 million from the 2005 water revenue bonds, $135.6 million from a future water revenue bond authorization, and $0.6 million from a federal grant.

**Other Local Funds.** This category, which provides 11% of the five-year CIP, totals $123.4 million. These funds come primarily from certificates of participation sold to finance the new Fire Headquarters, expansion of Police Headquarters and the Public Safety Training Academy, and the new Police Crime Lab. Capacity of $6.8 million is included for impact fees, which are distributed between the five benefit areas, for road and regional park improvements.

**Non-City Funds.** The Non-City Funds category contains private donations and contributions made to the Parks and Recreation Department. It totals $0.6 million, which is less than 1% of the five-year CIP.

For more detail on funding sources, see Table II. Five-Year Capital Improvement Program Summary by Funding Source on pages A-10 thru A-12.

## DEPARTMENT PROGRAMS

The department programs are briefly presented in this section. Departments are listed alphabetically within their budget reporting categories, also known as service areas: Neighborhood Services, Environment and Development, and Support Services.

### Neighborhood Services

The Neighborhood Services category, which accounts for 18% of the total five-year CIP, contains projects managed by Community Services, Fire, Neighborhood Resources, Parks and Recreation, and Police.

**Community Services.** This department's five-year program of $4.1 million consists of two projects: construction of public housing amenities at a new Martin Luther King, Jr. apartment building and construction of rental units in the Mercado, a new mixed-used community. Funding is provided by Pima County bonds, federal HOPE VI funds, and other federal grants.

**Fire.** Fire's five-year program of $33.1 million contains four projects: a new central headquarters and fire station in the downtown area, plan and design of infrastructure improvements and additions at the Public Safety Training Academy, land acquisition for future fire stations, and support facility improvements. The Capital Improvement Fund, which is for certificates of participation, and general obligation bonds will fund these projects.

**Neighborhood Resources.** This department's five-year CIP of $18.4 million is for the Back to Basics Program. There is $4.5 million carried forward in Fiscal Year 2009 for the completion of prior year projects and unallocated funds. New funding of $2.7 million will provide $386,780 annually for each ward and the mayor.

**Parks and Recreation.** Park's five-year CIP of $54 million contains 49 projects. These projects are funded primarily from county bonds of $34.8 million and city bonds of $3.4 million. Either a new city or county bond authorization is needed for $5.2 million. Funding from the Capital Improvement Fund, which is certificates of participation, is $4.2 million, and RTA (Regional Transportation Authority) funds provide $1 million. Revenue from impact fees, restricted General Fund revenues, non-federal grants, and contributions provide for the remaining $5.4 million. These funds provide for a wide range of projects: improvements at regional parks, expansion of recreation centers, amenities at neighborhood parks, and the Reid Park Zoo Africa Expansion-Elephant exhibit.

**Police.** The Police department's five-year program of $78.9 million is for four projects: construction of a new Crime Lab and a new Evidence Facility, expansion of Police Headquarters, and acquisition of operational support equipment for the addition of a sixth field division. These projects are funded with certificates of participation in the Capital Improvement Fund.

## Environment and Development

The Environment and Development category, which accounts for 82% of the total five-year CIP, contains projects managed by Environmental Services, Transportation, and Tucson Water.

**Environmental Services.** The department's five-year program of 15 projects totals $40.2 million. Environmental Services' CIP is funded from Environmental Service bonds of $2.1 million, $3.9 million from Environmental Service revenues, $25.4 million from certificates of participation, and $8.8 million from a future Environmental Services revenue bond authorization. Projects that are funded with these future bond authorizations do not begin until fiscal year 2010.

**Transportation.** The five-year Transportation program of $479.7 million includes five program areas: Drainage for $0.07 million, Public Transit for $189 million, Street Lighting for $1.3 million, Streets for $283.4 million, and Traffic Signals for $5.9 million. Because there are insufficient funds to meet all of Transportation's needs, this CIP simply allocates available funding to the highest priority projects.

The largest funding source for Transportation's projects is the funding from the RTA, which totals $266.5 million. Federal funding provides another significant portion totaling $146.8 million: $90.9 million for transit projects and $55.9 million for street projects.

Other major funding sources are Pima County bond funds of $25.2 million, regional Highway User Revenue Funds (HURF) of $20.6 million, city HURF of $10.5 million, impact fee revenue of $2.9 million. Other contributions and city bond funds provide $1.2 million. The remaining $6 million is from the General Fund, which is used as the local match for federal transit grants.

**Tucson Water.** The five-year Tucson Water CIP of $352.6 million includes $314.4 million of improvements to the potable water system and $38.2 million of improvements for the reclaimed water system. Tucson Water's CIP is funded from operations and reserve funds of $165.7 million, 2005 revenue bonds of $50.7 million, $135.6 million from a future water revenue bond authorization, and $0.6 million from a federal grant. Projects that are funded with these future bond authorization do not begin until fiscal year 2010.

### Support Services

The Support Services category accounts for less than 1% of the total five-year CIP and contains a capital project managed by Information Technology.

**Information Technology.** There is one project in the department's five-year CIP of $550,300 carried forward from Fiscal Year 2008: completion of the Voice and Data Network and Component Upgrades. There are three remaining components of this project: a wireless data communications system used in support of fire services, alerting system for fire stations, and an electronic patient care and reporting system. These communication components and systems will complete the technological upgrade of the public safety infrastructure. Funding for this project comes from the Capital Improvement Fund, which is certificates of participation.

For more project detail, see Section B, Department Programs.

## IMPACT ON THE OPERATING BUDGET

The completion of many projects is the beginning of recurring costs for the operating budget. Operating and maintenance (O&M) impacts from projects in this five-year CIP total $6.9 million for Fiscal Year 2009, increasing to $9.3 million for by Fiscal Year 2010.

**Operating and Maintenance Impacts**

| | FY 2009 | | FY 2010 | |
|---|---|---|---|---|
| **(in $000)** | **Amount** | **FTEs** | **Amount** | **FTEs** |
| General Purpose Funds | $ 625.0 | 9.0 | $ 1,516.5 | 8.0 |
| Restricted Funds | 6,255.1 | -0- | 7,754.0 | -0- |
| Total | $ 6,880.1 | 9.0 | $ 9,270.5 | 8.0 |

The O&M impacts in Fiscal Year 2009 are primarily for the Southern Avra Valley Storage and Recovery Project. Operating and staffing the Christopher Columbus Parks expansion is a significant component of the General Purpose Funds impact.

Tucson Water's Revenue and Operations Fund pays for most of the operating and maintenance impacts (90% in Fiscal Year 2009). The balance is funded from the General Fund, the city's Highway User Revenue Fund (HURF), Regional Transportation Authority (RTA), and Environmental Services Fund.

For a summary of O&M impacts by department and funding source over the next five years, see Table III, Five-Year Capital Improvement Program Summary of CIP Impact on the Operating Budget, on page A-13.

## SUMMARY TABLES

Table I, Five-Year Capital Improvement Program Summary by Department (page A-9).

Table II, Five-Year Capital Improvement Program Summary by Funding Source (page A-10).

Table III, Five-Year Capital Improvement Program Summary of CIP Impact on the Operating Budget (page A-13).

Table IV, Five-Year Capital Improvement Program Projects with Pima County Funding (page A-14).

# Table I
## Five-Year Capital Improvement Program
## Summary by Department

**($000)**

| Service Area/Department | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Neighborhood Services** | | | | | | | | | | | |
| Community Services | 542.3 | 843.4 | 1,194.7 | **2,038.1** | 2,087.2 | - | - | - | **4,125.3** | - | 4,667.6 |
| Fire | 13,569.2 | 7,062.8 | 24,810.2 | **31,873.0** | 1,200.0 | - | - | - | **33,073.0** | - | 46,642.2 |
| Neighborhood Resources | - | 4,530.3 | 2,780.4 | **7,310.7** | 2,780.4 | 2,780.4 | 2,780.4 | 2,780.4 | **18,432.3** | - | 18,432.3 |
| Parks and Recreation | 6,253.1 | 8,870.4 | 10,104.4 | **18,974.8** | 25,638.5 | 6,408.0 | 1,500.0 | 1,500.0 | **54,021.3** | - | 60,274.4 |
| Police | 18,314.8 | 2,910.0 | 21,100.0 | **24,010.0** | 38,700.0 | 16,200.0 | - | - | **78,910.0** | - | 97,224.8 |
| | **38,679.4** | **24,216.9** | **59,989.7** | **84,206.6** | **70,406.1** | **25,388.4** | **4,280.4** | **4,280.4** | **188,561.9** | **-** | **227,241.3** |
| **Environment and Development** | | | | | | | | | | | |
| Environmental Services | 11,592.3 | 656.9 | 9,085.2 | **9,742.1** | 12,842.1 | 11,840.0 | 4,595.0 | 1,225.0 | **40,244.2** | - | 51,836.5 |
| Transportation | 105,941.8 | 38,563.0 | 51,745.9 | **90,308.9** | 103,418.5 | 96,171.4 | 117,532.5 | 72,316.5 | **479,747.8** | 316,337.7 | 902,027.3 |
| Tucson Water | 51,936.5 | 9,265.0 | 51,385.0 | **60,650.0** | 52,986.0 | 66,971.0 | 82,918.0 | 89,152.0 | **352,677.0** | 235,650.0 | 640,263.5 |
| | **169,470.6** | **48,484.9** | **112,216.1** | **160,701.0** | **169,246.6** | **174,982.4** | **205,045.5** | **162,693.5** | **872,669.0** | **551,987.7** | **1,594,127.3** |
| **Support Services** | | | | | | | | | | | |
| Information Technology | 13,568.5 | 550.3 | - | **550.3** | - | - | - | - | **550.3** | - | 14,118.8 |
| | **13,568.5** | **550.3** | **-** | **550.3** | **-** | **-** | **-** | **-** | **550.3** | **-** | **14,118.8** |
| **Total** | **221,718.5** | **73,252.1** | **172,205.8** | **245,457.9** | **239,652.7** | **200,370.8** | **209,325.9** | **166,973.9** | **1,061,781.2** | **551,987.7** | **1,835,487.4** |

# Table II
# Five-Year Capital Improvement Program
# Summary by Funding Source

**($000)**

| Fund Category/Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **General Purpose Funds** | | | | | | | | | | | |
| General Fund | 982.8 | 230.3 | - | **230.3** | - | - | - | - | **230.3** | - | 1,213.1 |
| Mass Transit Fund: User Fees and General Fund | 4.2 | 1,433.0 | 501.4 | **1,934.4** | 485.0 | 1,200.0 | 1,200.0 | 1,200.0 | **6,019.4** | - | 6,023.6 |
| | **987.0** | **1,663.3** | **501.4** | **2,164.7** | **485.0** | **1,200.0** | **1,200.0** | **1,200.0** | **6,249.7** | **-** | **7,236.7** |
| **Grants and Contributions** | | | | | | | | | | | |
| Capital Agreement Fund | 103.3 | - | - | **-** | - | - | - | - | **-** | - | 103.3 |
| Capital Agreement Fund: PAG | 34,177.6 | 396.0 | 3,276.0 | **3,672.0** | 5,706.0 | 4,750.0 | 6,500.0 | - | **20,628.0** | - | 54,805.6 |
| Capital Agreement Fund: Pima County Bonds | 6,723.9 | 7,155.5 | 5,375.2 | **12,530.7** | 17,164.9 | 12,445.3 | 9,500.0 | 9,500.0 | **61,140.9** | 7,224.7 | 75,089.5 |
| Capital Agreement Fund: Pima County Contribution | 6,400.0 | - | - | **-** | - | - | - | - | **-** | - | 6,400.0 |
| Community Development Block Grant Fund | 63.4 | 2,600.0 | 1,185.0 | **3,785.0** | 1,080.4 | 1,080.4 | 1,080.4 | 1,080.4 | **8,106.6** | - | 8,170.0 |
| Federal Highway Administration Grants | 23,102.9 | 3,633.0 | 5,371.0 | **9,004.0** | 15,095.0 | 8,278.0 | 7,525.0 | 5,000.0 | **44,902.0** | - | 68,004.9 |
| H.O.M.E. Grants | 284.5 | 284.5 | - | **284.5** | - | - | - | - | **284.5** | - | 569.0 |
| HOPE VI - Martin Luther King Revitalization | - | 115.3 | 738.2 | **853.5** | 1,750.0 | - | - | - | **2,603.5** | - | 2,603.5 |
| Highway User Revenue Fund | 4,612.7 | 2,091.6 | 2,556.4 | **4,648.0** | 2,556.4 | 2,912.0 | 2,559.0 | 3,009.0 | **15,684.4** | - | 20,297.1 |
| Highway User Revenue Fund: Contributions | - | - | 200.0 | **200.0** | 200.0 | 200.0 | 200.0 | 200.0 | **1,000.0** | - | 1,000.0 |
| Highway User Revenue Fund: In-Lieu Fees | 406.2 | - | 1,000.0 | **1,000.0** | 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | **5,000.0** | - | 5,406.2 |
| Highway User Revenue Fund: Restricted, Section D | 360.1 | - | - | **-** | - | - | - | - | **-** | - | 360.1 |
| Mass Transit Fund: Federal Grants | 477.0 | 19,989.6 | 9,734.8 | **29,724.4** | 18,718.3 | 16,954.2 | 14,099.9 | 11,377.5 | **90,874.3** | - | 91,351.3 |
| Miscellaneous Non-Federal Grants | - | - | 316.0 | **316.0** | 250.0 | - | - | - | **566.0** | - | 566.0 |
| Regional Transportation Authority Fund | 14,976.9 | 10,401.3 | 25,041.3 | **35,442.6** | 53,262.8 | 56,439.9 | 78,148.6 | 44,230.0 | **267,523.9** | 309,113.0 | 591,613.8 |
| State Infrastructure Bank Federal Pass-Through | 3,000.0 | - | 5,005.0 | **5,005.0** | 5,995.0 | - | - | - | **11,000.0** | - | 14,000.0 |
| | **94,688.4** | **46,666.8** | **59,798.9** | **106,465.7** | **122,778.8** | **104,059.8** | **120,612.9** | **75,396.9** | **529,314.1** | **316,337.7** | **940,340.2** |

# Table II
# Five-Year Capital Improvement Program
# Summary by Funding Source

**($000)**

| Fund Category/Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **City Bond Funds** | | | | | | | | | | | |
| 1984 General Obligation Bond Funds | 265.5 | - | - | **-** | - | - | - | - | **-** | - | 265.5 |
| 1994 General Obligation Bond Funds | 4,093.0 | - | - | **-** | - | - | - | - | **-** | - | 4,093.0 |
| 1994 General Obligation Bond Funds: Interest | 82.2 | - | - | **-** | - | - | - | - | **-** | - | 82.2 |
| 1994 Street and Highway Revenue Bond Funds | 824.5 | - | - | **-** | - | - | - | - | **-** | - | 824.5 |
| 2000 General Obligation Bond Funds | 12,659.9 | 1,259.5 | 2,291.1 | **3,550.6** | 216.3 | - | - | - | **3,766.9** | - | 16,426.8 |
| 2000 General Obligation Bond Funds: Interest | 330.8 | - | 240.0 | **240.0** | - | - | - | - | **240.0** | - | 570.8 |
| 2000 Street and Highway Revenue Bond Funds | 2,903.3 | - | - | **-** | - | - | - | - | **-** | - | 2,903.3 |
| Future General Obligation Bonds | - | - | - | **-** | 5,198.4 | - | - | - | **5,198.4** | - | 5,198.4 |
| | **21,159.2** | **1,259.5** | **2,531.1** | **3,790.6** | **5,414.7** | **-** | **-** | **-** | **9,205.3** | **-** | **30,364.5** |
| **Enterprise Funds** | | | | | | | | | | | |
| 1984 Water Revenue Bond Funds | 0.2 | - | - | **-** | - | - | - | - | **-** | - | 0.2 |
| 1994 Water Revenue Bond Funds | 146.6 | - | - | **-** | - | - | - | - | **-** | - | 146.6 |
| 2000 Environmental Service Bonds | 1,802.1 | 656.9 | 1,458.8 | **2,115.7** | - | - | - | - | **2,115.7** | - | 3,917.8 |
| 2000 Water Revenue Bond Funds | 7,615.3 | - | - | **-** | - | - | - | - | **-** | - | 7,615.3 |
| 2005 Water Revenue Bond Funds | 35,222.0 | 7,265.0 | 33,508.0 | **40,773.0** | 9,939.0 | - | - | - | **50,712.0** | - | 85,934.0 |
| Central Arizona Project Reserve Fund | 49.9 | - | - | **-** | - | - | - | - | **-** | - | 49.9 |
| Environmental Services Fund | 131.0 | - | 1,626.4 | **1,626.4** | 2,312.1 | - | - | - | **3,938.5** | - | 4,069.5 |
| Environmental Services Fund: COPs | 6,104.8 | - | 6,000.0 | **6,000.0** | 9,150.0 | 10,085.0 | - | 125.0 | **25,360.0** | - | 31,464.8 |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 1,380.0 | 1,755.0 | 4,595.0 | 1,100.0 | **8,830.0** | - | 8,830.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 24,016.0 | 38,727.0 | 40,549.0 | 32,345.0 | **135,637.0** | 136,676.0 | 272,313.0 |
| Tucson Water Fund: Federal Grants | - | - | 542.0 | **542.0** | 70.0 | - | - | - | **612.0** | - | 612.0 |
| Tucson Water Fund: State Grants | 576.7 | - | - | **-** | - | - | - | - | **-** | - | 576.7 |
| Tucson Water Revenue and Operations Fund | 8,325.8 | 2,000.0 | 12,335.0 | **14,335.0** | 18,961.0 | 28,244.0 | 42,369.0 | 56,807.0 | **160,716.0** | 98,974.0 | 268,015.8 |
| Water Infrastructure Reserve Fund | - | - | 5,000.0 | **5,000.0** | - | - | - | - | **5,000.0** | - | 5,000.0 |
| | **59,974.4** | **9,921.9** | **60,470.2** | **70,392.1** | **65,828.1** | **78,811.0** | **87,513.0** | **90,377.0** | **392,921.2** | **235,650.0** | **688,545.6** |

# Table II
# Five-Year Capital Improvement Program
# Summary by Funding Source

**($000)**

| Fund Category/Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Other Local Funds** | | | | | | | | | | | |
| Capital Improvement Fund | 25,127.5 | 10,747.1 | 45,670.2 | **56,417.3** | 43,650.0 | 16,200.0 | - | - | **116,267.3** | - | 141,394.8 |
| General Fund: Certificates of Participation | 13,214.4 | - | - | **-** | - | - | - | - | **-** | - | 13,214.4 |
| General Fund: Earned Revenue | 50.0 | - | - | **-** | - | - | - | - | **-** | - | 50.0 |
| General Fund: Restricted Revenues | 368.8 | 138.0 | 200.0 | **338.0** | - | - | - | - | **338.0** | - | 706.8 |
| General Fund: Restricted Trust Reserves | 3,277.5 | - | - | **-** | - | - | - | - | **-** | - | 3,277.5 |
| Road & Park Impact Fee Fund: Central District | 359.6 | 270.0 | 84.5 | **354.5** | 260.2 | - | - | - | **614.7** | - | 974.3 |
| Road & Park Impact Fee Fund: East District | 339.8 | 775.0 | 485.2 | **1,260.2** | 345.5 | 100.0 | - | - | **1,705.7** | - | 2,045.5 |
| Road & Park Impact Fee Fund: Southeast District | 516.9 | 282.8 | 628.3 | **911.1** | 325.4 | - | - | - | **1,236.5** | - | 1,753.4 |
| Road & Park Impact Fee Fund: Southlands District | 225.0 | 626.5 | - | **626.5** | 565.0 | - | - | - | **1,191.5** | - | 1,416.5 |
| Road & Park Impact Fee Fund: West District | 1,425.0 | 901.2 | 1,200.0 | **2,101.2** | - | - | - | - | **2,101.2** | - | 3,526.2 |
| | **44,904.5** | **13,740.6** | **48,268.2** | **62,008.8** | **45,146.1** | **16,300.0** | **-** | **-** | **123,454.9** | **-** | **168,359.4** |
| **Non-City Funds** | | | | | | | | | | | |
| Civic Contributions Fund | 5.0 | - | 636.0 | **636.0** | - | - | - | - | **636.0** | - | 641.0 |
| | **5.0** | **-** | **636.0** | **636.0** | **-** | **-** | **-** | **-** | **636.0** | **-** | **641.0** |
| **Total** | **221,718.5** | **73,252.1** | **172,205.8** | **245,457.9** | **239,652.7** | **200,370.8** | **209,325.9** | **166,973.9** | **1,061,781.2** | **551,987.7** | **1,835,487.4** |

# Table III
## Five-Year Capital Improvement Program
## Summary of CIP Impact on the Operating Budget
**($000)**

| Service Area/Department | Year 1 FY 2009 | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total |
|---|---|---|---|---|---|---|
| **Neighborhood Services** | | | | | | |
| Fire | - | 252.5 | 277.7 | 305.5 | 336.0 | **1,171.7** |
| Parks and Recreation | 525.0 | 1,164.0 | 2,464.1 | 3,354.1 | 2,985.3 | **10,492.4** |
| Police | 100.0 | 100.0 | 250.0 | 410.0 | 430.0 | **1,290.0** |
| | **625.0** | **1,516.5** | **2,991.8** | **4,069.6** | **3,751.3** | **12,954.1** |
| **Environment and Development** | | | | | | |
| Environmental Services | 60.0 | 60.0 | 260.0 | 260.0 | 380.0 | **1,020.0** |
| Transportation | - | 168.5 | 630.5 | 718.5 | 841.5 | **2,359.0** |
| Tucson Water | 6,195.1 | 7,525.5 | 9,061.0 | 10,891.0 | 10,950.0 | **44,622.6** |
| | **6,255.1** | **7,754.0** | **9,951.5** | **11,869.5** | **12,171.5** | **48,001.6** |
| **Total** | **6,880.1** | **9,270.5** | **12,943.3** | **15,939.0** | **15,922.8** | **60,955.7** |

| **Source of Funds Summary** | | | | | | |
|---|---|---|---|---|---|---|
| **General Purpose Funds** | | | | | | |
| General Fund | 625.0 | 1,516.5 | 2,991.8 | 4,069.6 | 3,751.3 | **12,954.1** |
| Mass Transit Fund: User Fees and General Fund | - | - | 99.0 | 102.0 | 105.0 | **306.0** |
| | **625.0** | **1,516.5** | **3,090.8** | **4,171.6** | **3,856.3** | **13,260.1** |
| **Grants and Contributions** | | | | | | |
| Highway User Revenue Fund | - | 144.5 | 507.5 | 562.5 | 682.5 | **1,897.0** |
| Regional Transportation Authority Fund | - | 24.0 | 24.0 | 54.0 | 54.0 | **156.0** |
| | **-** | **168.5** | **531.5** | **616.5** | **736.5** | **2,053.0** |
| **Enterprise Funds** | | | | | | |
| Environmental Services Fund | 60.0 | 60.0 | 260.0 | 260.0 | 380.0 | **1,020.0** |
| Tucson Water Revenue and Operations Fund | 6,195.1 | 7,525.5 | 9,061.0 | 10,891.0 | 10,950.0 | **44,622.6** |
| | **6,255.1** | **7,585.5** | **9,321.0** | **11,151.0** | **11,330.0** | **45,642.6** |
| **Total** | **6,880.1** | **9,270.5** | **12,943.3** | **15,939.0** | **15,922.8** | **60,955.7** |

# Table IV
# Five-Year Capital Improvement Program
# Projects with Pima County Funding

**($000)**

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Community Services** | | | | | | | | | | | |
| **Martin Luther King Public Housing Amenities** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 140.0 | 443.6 | 351.9 | **795.5** | 337.2 | - | - | - | **1,132.7** | - | 1,272.7 |
| **Parks and Recreation** | | | | | | | | | | | |
| **Arroyo Chico Urban Path: Campbell/Parkway** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 75.0 | - | 100.0 | **100.0** | 400.0 | 400.0 | - | - | **900.0** | - | 975.0 |
| **Atterbury Wash Sanctuary Expansion** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 100.0 | 354.7 | 115.3 | **470.0** | 450.0 | 150.0 | - | - | **1,070.0** | - | 1,170.0 |
| **Catalina Park Integrated Play Area** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | 100.0 | **100.0** | 284.3 | - | - | - | **384.3** | - | 384.3 |
| **Davidson School Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | 500.0 |
| **Herrera Quiroz (Oury) Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | 395.0 | **395.0** | - | - | - | - | **395.0** | - | 395.0 |
| **Jacinto Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 153.3 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | 203.3 |
| **Juhan Park Expansion** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | 131.0 | **131.0** | - | - | - | - | **131.0** | - | 131.0 |
| **Julian Wash Linear Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 421.5 | 879.1 | 1,390.0 | **2,269.1** | 916.9 | - | - | - | **3,186.0** | - | 3,607.5 |
| **Lincoln Park Sport Fields** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 35.0 | 465.0 | 130.0 | **595.0** | 2,782.5 | - | - | - | **3,377.5** | - | 3,412.5 |
| **Mendoza Memorial Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 45.0 | 30.0 | - | **30.0** | - | - | - | - | **30.0** | - | 75.0 |

# Table IV
# Five-Year Capital Improvement Program
# Projects with Pima County Funding

**($000)**

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Parks and Recreation** | | | | | | | | | | | |
| **Menlo Park Improvements** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | - | **-** | 260.0 | - | - | - | **260.0** | - | 260.0 |
| **Northside Recreation Center** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 200.0 | 575.5 | - | **575.5** | 1,825.0 | 2,762.0 | - | - | **5,162.5** | - | 5,362.5 |
| **Performing Arts Center** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 550.0 | 75.0 | 40.0 | **115.0** | - | - | - | - | **115.0** | - | 665.0 |
| **Pima County Bond Project Capacity** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | 1,500.0 | **1,500.0** | 1,500.0 | 1,500.0 | 1,500.0 | 1,500.0 | **7,500.0** | - | 7,500.0 |
| **Rio Vista Park Expansion** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 190.4 | 762.5 | 509.6 | **1,272.1** | - | - | - | - | **1,272.1** | - | 1,462.5 |
| **Santa Cruz River Sports Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 5.0 | - | - | **-** | 823.7 | - | - | - | **823.7** | - | 828.7 |
| **Santa Rita Skate Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 1.5 | 148.5 | - | **148.5** | - | - | - | - | **148.5** | - | 150.0 |
| **Southeast Community Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 21.0 | 2,002.0 | - | **2,002.0** | 2,231.0 | 1,596.0 | - | - | **5,829.0** | - | 5,850.0 |
| **Tucson Children's Museum Renovations** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 211.2 | 22.0 | - | **22.0** | 1,229.3 | - | - | - | **1,251.3** | - | 1,462.5 |
| **Udall Park Sport Fields** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 75.0 | 147.6 | 112.4 | **260.0** | 2,125.0 | - | - | - | **2,385.0** | - | 2,460.0 |
| **Transportation** | | | | | | | | | | | |
| **Amphi Neighborhood Lighting** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 100.0 | 400.0 | - | **400.0** | - | - | - | - | **400.0** | - | 500.0 |

# Table IV
# Five-Year Capital Improvement Program
# Projects with Pima County Funding

**($000)**

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Transportation** | | | | | | | | | | | |
| **Broadway: Euclid to Campbell** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 1,775.3 | - | - | **-** | - | - | 8,000.0 | 8,000.0 | **16,000.0** | 7,224.7 | 25,000.0 |
| **Julia Keen Neighborhood Lighting** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 150.0 | 500.0 | - | **500.0** | - | - | - | - | **500.0** | - | 650.0 |
| **Kino Parkway Overpass at 22nd Street** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 1,962.7 | - | - | **-** | 2,000.0 | 6,037.3 | - | - | **8,037.3** | - | 10,000.0 |
| **Meyers Neighborhood Lighting** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 50.0 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | 350.0 |
| **Total** | **13,123.9** | **7,155.5** | **5,375.2** | **12,530.7** | **17,164.9** | **12,445.3** | **9,500.0** | **9,500.0** | **61,140.9** | **7,224.7** | **81,489.5** |

*Approved Five-Year*
*Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Section B
# Department Programs

*Approved Five-Year*
*Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Community Services

# Capital Improvement Program
# Department Statement

## FY 2009 through FY 2013

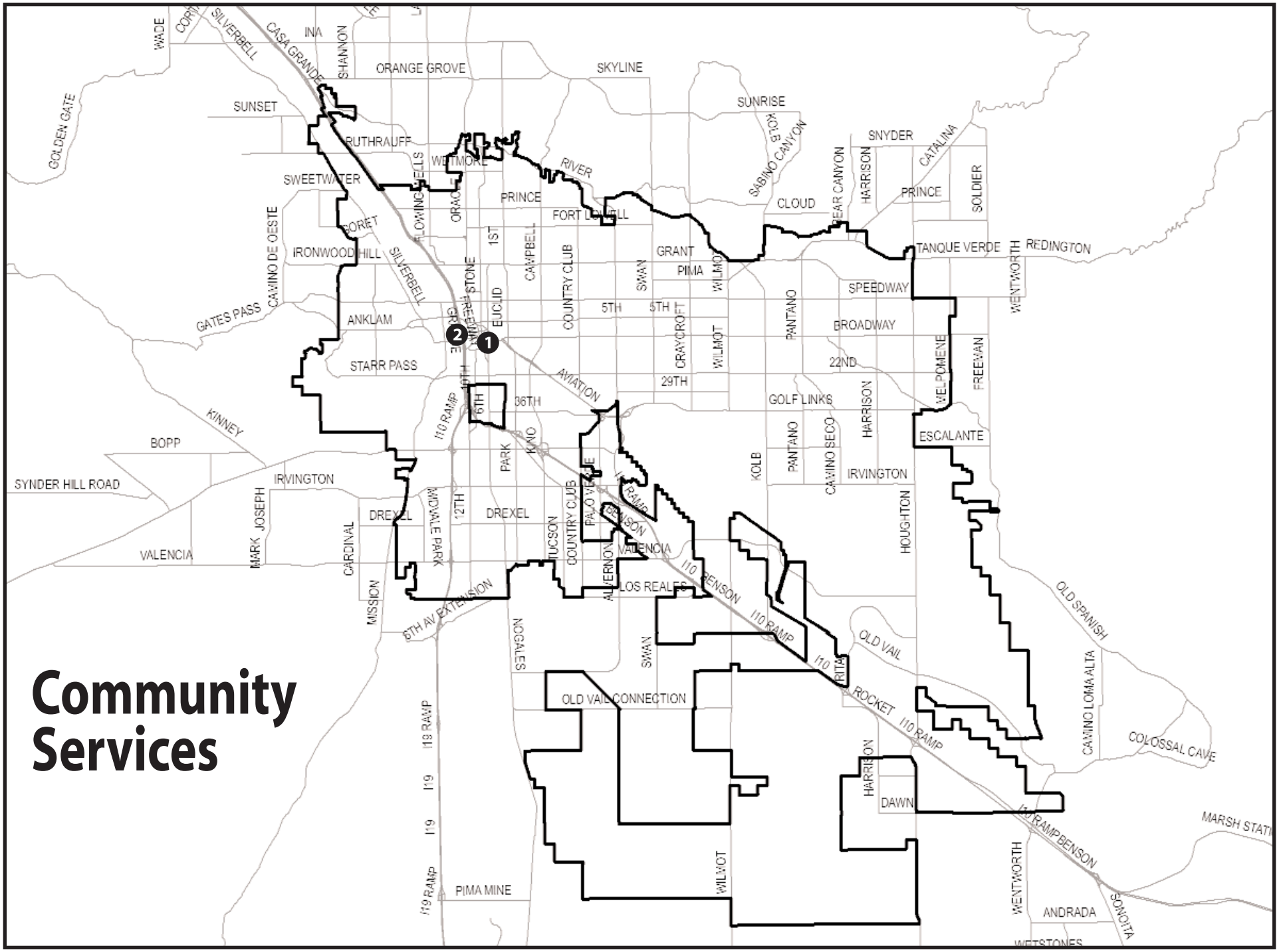
**Department:** Community Services **Five-Year Total:** $ 4,125,300

The Community Services Department's Capital Improvement Program (CIP) consists of two projects:

- Construction of resident amenities at the new Martin Luther King, Jr. Apartments, including computer room, exercise room, recreation room, clinic, secured lobby, tenant council meeting space, lounge, terrace, and patio areas.

- Construction of four affordable housing rental units at the Mercado at Menlo Park near West Congress Street and Grande Avenue. The Mercado will be a mixed-use community comprised of approximately 200 residential dwelling units and 20,000 square feet of commercial space. This project will increase affordable housing in the Rio Nuevo District.

The Community Services Department's five-year CIP is funded with $3.0 million in federal grants and $1.1 million in Pima County Neighborhood Reinvestment bonds.


Community Services
1
2
WADE
INA
SHANNON
ORANGE GROVE
SKYLINE
SUNSET
SUNRISE
GOLDEN GATE
RUTHRAUFF
SNYDER
CATALINA
SWEETWATER
WETMORE
RIVER
PRINCE
CLOUD
SOLDIER
HARRISON
IRONWOOD HILL
FORT LOWELL
TANQUE VERDE
REDINGTON
GRANT
PIMA
SPEEDWAY
BROADWAY
ANKLAM
GATES PASS
STARR PASS
22ND
29TH
GOLF LINKS
ESCALANTE
KINNEY
BOPP
SYNDER HILL ROAD
IRVINGTON
VALENCIA
DREXEL
HOUGHTON
ALLOS REALES
OLD VAIL
OLD SPANISH
OLD VAIL CONNECTION
ROCKET
COLOSSAL CAVE
DAWN
MARSH STATI
ANDRADA
PIMA MINE
WETSTONES
SILVERBELL
CASA GRANDE
FLOWING WELLS
CAMINO DE OESTE
CORET
STONE
FREEMAN
1ST
EUCLID
CAMPBELL
COUNTRY CLUB
5TH
SWAN
WILMOT
CRAYCROFT
PANTANO
WELPOMENE
FREEMAN
WENTWORTH
AVIATION
36TH
PARK
KINO
PAGO VERDE
BENSON
I10 RAMP
KOLB
CAMINO SECO
HARRISON
TUCSON
COUNTRY CLUB
ALVERNON
MIDVALE PARK
MISSION
CARDINAL
MARK JOSEPH
6TH AV EXTENSION
SCALES
I19
I19 RAMP
I10 BENSON
I10 RAMP BENSON
SONOITA
CAMINO LOMA ALTA

**Map Legend**

**Community Services Department**

| Project Name | Year to be Completed | | Year to be Completed |
|---|---|---|---|
| 1. Martin Luther King Public Housing Amenities | FY 2010 | 2. Mercado District Rentals - El Portal | FY 2009 |

# Community Services

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Martin Luther King Public Housing Amenities** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 140.0 | 443.6 | 351.9 | **795.5** | 337.2 | - | - | - | **1,132.7** | - | 1,272.7 |
| Community Development Block Grant Fund | - | - | 104.6 | **104.6** | - | - | - | - | **104.6** | - | 104.6 |
| HOPE VI - Martin Luther King Revitalization | - | 115.3 | 738.2 | **853.5** | 1,750.0 | - | - | - | **2,603.5** | - | 2,603.5 |
| | **140.0** | **558.9** | **1,194.7** | **1,753.6** | **2,087.2** | **-** | **-** | **-** | **3,840.8** | **-** | **3,980.8** |
| **Mercado District Rentals - El Portal** | | | | | | | | | | | |
| Community Development Block Grant Fund | 63.4 | - | - | **-** | - | - | - | - | **-** | - | 63.4 |
| General Fund | 4.4 | - | - | **-** | - | - | - | - | **-** | - | 4.4 |
| General Fund: Earned Revenue | 50.0 | - | - | **-** | - | - | - | - | **-** | - | 50.0 |
| H.O.M.E. Grants | 284.5 | 284.5 | - | **284.5** | - | - | - | - | **284.5** | - | 569.0 |
| | **402.3** | **284.5** | **-** | **284.5** | **-** | **-** | **-** | **-** | **284.5** | **-** | **686.8** |
| **Department Total** | **542.3** | **843.4** | **1,194.7** | **2,038.1** | **2,087.2** | **-** | **-** | **-** | **4,125.3** | **-** | **4,667.6** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Capital Agreement Fund: Pima County Bonds | 140.0 | 443.6 | 351.9 | **795.5** | 337.2 | - | - | - | **1,132.7** | - | 1,272.7 |
| Community Development Block Grant Fund | 63.4 | - | 104.6 | **104.6** | - | - | - | - | **104.6** | - | 168.0 |
| General Fund | 4.4 | - | - | **-** | - | - | - | - | **-** | - | 4.4 |
| General Fund: Earned Revenue | 50.0 | - | - | **-** | - | - | - | - | **-** | - | 50.0 |
| H.O.M.E. Grants | 284.5 | 284.5 | - | **284.5** | - | - | - | - | **284.5** | - | 569.0 |
| HOPE VI - Martin Luther King Revitalization | - | 115.3 | 738.2 | **853.5** | 1,750.0 | - | - | - | **2,603.5** | - | 2,603.5 |
| **Department Total** | **542.3** | **843.4** | **1,194.7** | **2,038.1** | **2,087.2** | **-** | **-** | **-** | **4,125.3** | **-** | **4,667.6** |

# Community Services

($000)

## Martin Luther King Public Housing Amenities

**Project ID:** H124

**Start Date:** 9/06
**End Date:** 9/09

**Location:** Ward 6
(within Rio Nuevo District)

**Description:**
Design and construct public housing resident amenities at a new Martin Luther King, Jr. Apartment building, which will be built just north of the current building at 1 North Fifth Avenue.

**Justification:**
This project is being constructed in conjunction with the MLK (Martin Luther King) Revitalization Plan approved by Mayor and Council.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 140.0 | 443.6 | 351.9 | **795.5** | 337.2 | - | - | - | **1,132.7** | - | **1,272.7** |
| Community Development Block Grant Fund | - | - | 104.6 | **104.6** | - | - | - | - | **104.6** | - | **104.6** |
| HOPE VI - Martin Luther King Revitalization | - | 115.3 | 738.2 | **853.5** | 1,750.0 | - | - | - | **2,603.5** | - | **2,603.5** |
| **Total** | 140.0 | 558.9 | 1,194.7 | **1,753.6** | 2,087.2 | - | - | - | **3,840.8** | - | **3,980.8** |

## Mercado District Rentals - El Portal

**Project ID:** H128

**Start Date:** 12/06
**End Date:** 6/09

**Location:** Ward 1
(within Rio Nuevo District)

**Description:**
Design and construct rental units in the Mercado, located near West Congress Street and Grande Avenue, which is a new mixed-use community developed by Rio Development. The Mercado is comprised of approximately 200 residential units and 20,000 square feet of commercial space. These affordable rental units will be owned and operated by the city.

**Justification:**
These affordable rentals are being constructed to increase affordable housing in the Rio Nuevo district.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Community Development Block Grant Fund | 63.4 | - | - | **-** | - | - | - | - | **-** | - | **63.4** |
| General Fund | 4.4 | - | - | **-** | - | - | - | - | **-** | - | **4.4** |
| General Fund: Earned Revenue | 50.0 | - | - | **-** | - | - | - | - | **-** | - | **50.0** |
| H.O.M.E. Grants | 284.5 | 284.5 | - | **284.5** | - | - | - | - | **284.5** | - | **569.0** |
| **Total** | 402.3 | 284.5 | - | **284.5** | - | - | - | - | **284.5** | - | **686.8** |

*Approved Five-Year*
*Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Environmental Services

# Capital Improvement Program
# Department Statement

## FY 2009 through FY 2013

**Department:** Environmental Services **Five-Year Total:** $ 40,244,200

The Environmental Services Capital Improvement Program (CIP) consists of projects that fulfill the city's need to safeguard the community from environmental impacts, create future landfill capacity, and comply with environmental protection regulations. These projects directly reflect the city's efforts to enhance neighborhoods and downtown by restoring the natural environment and removing environmental barriers to redevelopment.

The five-year program of $40.2 million is funded with $2.1 million from the 2000 bond authorization, $3.9 million in Environmental Services funds, $25.4 million from certificates of participation, and $8.8 million from a possible future authorization of bonds.

This Environmental Services CIP is divided into four project categories.

**Facilities.** Projects in this category total $21.7 million and include improvements at the Los Reales Landfill for efficiencies and to support beneficial end uses for closed landfills.

**Landfill Closure.** Projects in this category total $8.9 million and include the closure of the Irvington and Tumamoc Landfills (both closed landfills) and closure-related improvements for the Los Reales Landfill (the city's only active landfill).

**Landfill Construction.** Projects in this category total $8.0 million for improvements to the Los Reales Landfill, including buffer and drainage improvements and the construction of two new lined cells. Improving the Los Reales landfill represents millions of dollars in cost savings through lower transportation costs and cost avoidance of a new landfill. The Los Reales Landfill master plan calls for lined cells, recycling facilities, and drainage improvements to extend the life of the landfill through at least 2060.

**Remediations.** Projects in this category total $1.6 million and include the assessment and remediation of soil and groundwater contamination at city-owned and/or operated landfill sites.

This five-year CIP has a projected impact on the operating budget of $60,000 in Fiscal Year 2009 increasing to $380,000 by Fiscal Year 2013. See the following page for the operating budget impact by project and funding source.

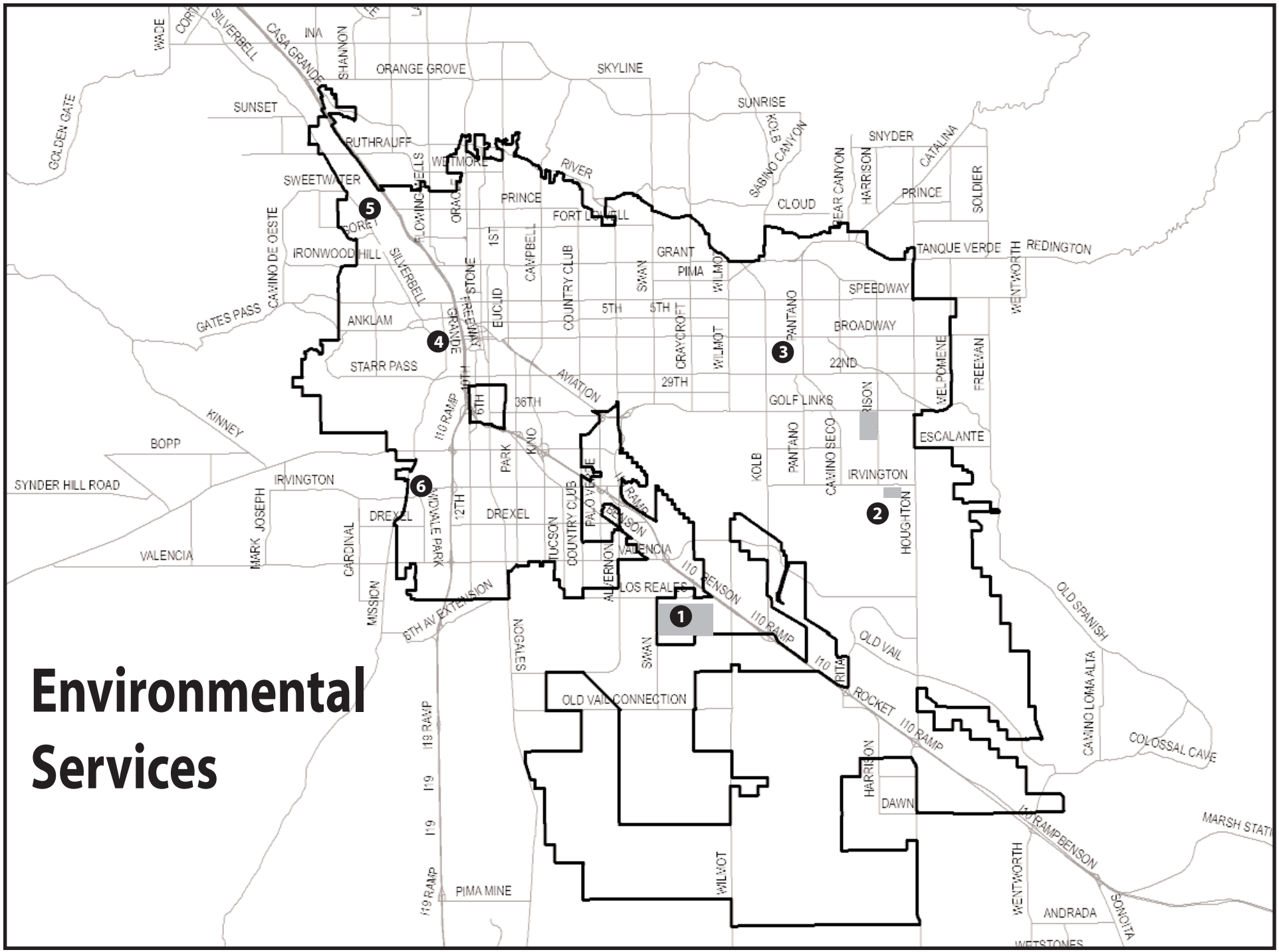
## Environmental Services: CIP Impact on the Operating Budget

When the following projects in this CIP are completed, they will require funding for annual operations. The estimated impact of these projects on the operating budget over the next five years is shown in the table below.

**($000)**

| Project Name | Year 1 FY 2009 | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total |
|---|---|---|---|---|---|---|
| Irvington Landfill Closure | 60.0 | 60.0 | 80.0 | 80.0 | 80.0 | **360.0** |
| Silverbell Jail Annex Landfill Remediation | - | - | 180.0 | 180.0 | 180.0 | **540.0** |
| Tumamoc Landfill Closure | - | - | - | - | 120.0 | **120.0** |
| **Total** | **60.0** | **60.0** | **260.0** | **260.0** | **380.0** | **1,020.0** |

| **Source of Funds Summary** | | | | | | |
|---|---|---|---|---|---|---|
| Environmental Services Fund | 60.0 | 60.0 | 260.0 | 260.0 | 380.0 | **1,020.0** |
| **Total** | **60.0** | **60.0** | **260.0** | **260.0** | **380.0** | **1,020.0** |


Environmental Services
1
2
3
4
5
6
WADE
SILVERBELL
CASA GRANDE
INA
SHANNON
ORANGE GROVE
SKYLINE
SUNSET
SUNRISE
GOLDEN GATE
RUTHRAUFF
SNYDER
CATALINA
SWEETWATER
WETMORE
RIVER
SABINO CANYON
KOLB
PRINCE
CLOUD
BEAR CANYON
HARRISON
SOLDIER
FORT LOWELL
IRONWOOD HILL
CAMINO DE OESTE
FLOWING WELLS
ORACLE
1ST
CAMPBELL
COUNTRY CLUB
SWAN
GRANT
PIMA
WILMOT
TANQUE VERDE
REDINGTON
WENTWORTH
SPEEDWAY
GATES PASS
ANKLAM
STONE
FREEMAN
EUCLID
5TH
CRAYCROFT
PANTANO
BROADWAY
STARR PASS
22ND
29TH
AVIATION
GOLF LINKS
WELPOMENE
FREEMAN
KINNEY
36TH
I10 RAMP
BOPP
PARK
KINO
ESCALANTE
SYNDER HILL ROAD
IRVINGTON
CAMINO SECO
HOUGHTON
JOSEPH
DREXEL
12TH
MIDVALE PARK
TUCSON
COUNTRY CLUB
PALO VERDE
BENSON
VALENCIA
MARK
CARDINAL
ALVERNON
LOS REALES
I10 BENSON
I10 RAMP
OLD SPANISH
MISSION
8TH AV EXTENSION
GATES
SWAN
OLD VAIL
RITA
ROCKET
CAMINO LOMA ALTA
OLD VAIL CONNECTION
COLOSSAL CAVE
I19 RAMP
I19
HARRISON
DAWN
MARSH STATI
I10 RAMP BENSON
WILMOT
WENTWORTH
ANDRADA
SONOITA
PIMA MINE

## Map Legend

### Environmental Services

| Project Name | Year to be Completed |
|---|---|
| Environmental Services Facilities | |
| 1 - Los Reales 80-Acre Facilities Construction | FY 2011 |
| 1 - Los Reales Infrastructure Plan | FY 2009 |
| 1 - Los Reales Roadway Relocation | FY 2009 |
| 2 - Landfill End-Use: Irvington | FY 2012 |
| 3 - Landfill End-Use: Pantano Wash | FY 2012 |
| 6 - Landfill End-Use: Santa Cruz | FY 2013 |
| Landfill Closure | |
| 1 - Los Reales Landfill Final Closure - Cell 3 | FY 2012 |
| 1 - Los Reales Landfill Westside Closure | FY 2010 |
| 2 - Irvington Landfill Closure | FY 2009 |
| 4 - Tumamoc Landfill Closure | FY 2013 |

| Project Name | Year to be Completed |
|---|---|
| Landfill Construction | |
| 1 - Los Reales Landfill Buffer Improvements | FY 2013 |
| 1 - Los Reales Landfill Lined Cell 3 | FY 2009 |
| 1 - Los Reales Landfill Lined Cell 4 | FY 2012 |
| Environmental Remediations | |
| 5 - Silverbell Jail Annex Landfill Remediation | FY 2011 |

# Environmental Services

## Five-Year Capital Improvement Program

**($000)**

| Program Area | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| Environmental Services - Facilities | 2,818.7 | - | 1,400.0 | **1,400.0** | 9,380.0 | 10,535.0 | 300.0 | 100.0 | **21,715.0** | - | **24,533.7** |
| Environmental Services - Landfill Closure | 2,082.5 | 656.9 | 2,985.2 | **3,642.1** | 2,462.1 | 555.0 | 1,235.0 | 1,000.0 | **8,894.2** | - | **10,976.7** |
| Environmental Services - Landfill Construction | 3,303.9 | - | 4,600.0 | **4,600.0** | 150.0 | 100.0 | 3,060.0 | 125.0 | **8,035.0** | - | **11,338.9** |
| Environmental Services - Remediations | 3,387.2 | - | 100.0 | **100.0** | 850.0 | 650.0 | - | - | **1,600.0** | - | **4,987.2** |
| **Department Total** | **11,592.3** | **656.9** | **9,085.2** | **9,742.1** | **12,842.1** | **11,840.0** | **4,595.0** | **1,225.0** | **40,244.2** | **-** | **51,836.5** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1994 General Obligation Bond Funds | 2,781.1 | - | - | **-** | - | - | - | - | **-** | - | 2,781.1 |
| 1994 General Obligation Bond Funds: Interest | 46.9 | - | - | **-** | - | - | - | - | **-** | - | 46.9 |
| 2000 Environmental Service Bonds | 1,802.1 | 656.9 | 1,458.8 | **2,115.7** | - | - | - | - | **2,115.7** | - | 3,917.8 |
| 2000 General Obligation Bond Funds | 726.4 | - | - | **-** | - | - | - | - | **-** | - | 726.4 |
| Environmental Services Fund | 131.0 | - | 1,626.4 | **1,626.4** | 2,312.1 | - | - | - | **3,938.5** | - | 4,069.5 |
| Environmental Services Fund: COPs | 6,104.8 | - | 6,000.0 | **6,000.0** | 9,150.0 | 10,085.0 | - | 125.0 | **25,360.0** | - | 31,464.8 |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 1,380.0 | 1,755.0 | 4,595.0 | 1,100.0 | **8,830.0** | - | 8,830.0 |
| **Department Total** | **11,592.3** | **656.9** | **9,085.2** | **9,742.1** | **12,842.1** | **11,840.0** | **4,595.0** | **1,225.0** | **40,244.2** | **-** | **51,836.5** |

# Environmental Services - Facilities

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Landfill End-Use: Irvington** | | | | | | | | | | | |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 150.0 | 150.0 | 100.0 | - | **400.0** | - | 400.0 |
| | **-** | **-** | **-** | **-** | **150.0** | **150.0** | **100.0** | **-** | **400.0** | **-** | **400.0** |
| **Landfill End-Use: Pantano Wash** | | | | | | | | | | | |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 150.0 | 100.0 | 100.0 | - | **350.0** | - | 350.0 |
| | **-** | **-** | **-** | **-** | **150.0** | **100.0** | **100.0** | **-** | **350.0** | **-** | **350.0** |
| **Landfill End-Use: Santa Cruz** | | | | | | | | | | | |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 80.0 | 200.0 | 100.0 | 100.0 | **480.0** | - | 480.0 |
| | **-** | **-** | **-** | **-** | **80.0** | **200.0** | **100.0** | **100.0** | **480.0** | **-** | **480.0** |
| **Los Reales 80-Acre Facilities Construction** | | | | | | | | | | | |
| Environmental Services Fund: COPs | - | - | - | **-** | 9,000.0 | 10,085.0 | - | - | **19,085.0** | - | 19,085.0 |
| | **-** | **-** | **-** | **-** | **9,000.0** | **10,085.0** | **-** | **-** | **19,085.0** | **-** | **19,085.0** |
| **Los Reales Infrastructure Plan** | | | | | | | | | | | |
| Environmental Services Fund | 17.8 | - | - | **-** | - | - | - | - | **-** | - | 17.8 |
| Environmental Services Fund: COPs | 600.0 | - | 900.0 | **900.0** | - | - | - | - | **900.0** | - | 1,500.0 |
| | **617.8** | **-** | **900.0** | **900.0** | **-** | **-** | **-** | **-** | **900.0** | **-** | **1,517.8** |
| **Los Reales Roadway Relocation** | | | | | | | | | | | |
| Environmental Services Fund: COPs | 2,200.9 | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | 2,700.9 |
| | **2,200.9** | **-** | **500.0** | **500.0** | **-** | **-** | **-** | **-** | **500.0** | **-** | **2,700.9** |
| **Program Area Total** | **2,818.7** | **-** | **1,400.0** | **1,400.0** | **9,380.0** | **10,535.0** | **300.0** | **100.0** | **21,715.0** | **-** | **24,533.7** |

| **Source of Funds Summary** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Environmental Services Fund | 17.8 | - | - | **-** | - | - | - | - | **-** | - | 17.8 |
| Environmental Services Fund: COPs | 2,800.9 | - | 1,400.0 | **1,400.0** | 9,000.0 | 10,085.0 | - | - | **20,485.0** | - | 23,285.9 |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 380.0 | 450.0 | 300.0 | 100.0 | **1,230.0** | - | 1,230.0 |
| **Program Area Total** | **2,818.7** | **-** | **1,400.0** | **1,400.0** | **9,380.0** | **10,535.0** | **300.0** | **100.0** | **21,715.0** | **-** | **24,533.7** |

# Environmental Services - Facilities

($000)

## Landfill End-Use: Irvington

**Project ID:** Q407
**Start Date:** 7/09
**End Date:** 6/12
**Location:** Ward 4

**Description:**
Design and construct a potable water and irrigation system for park use and vegetation. This infrastructure, in conjunction with the Irvington Landfill closure project, will complete this landfill's closure. This project is contingent upon the availability of future funding sources.

**Justification:**
The approved Irvington Landfill Master Plan includes construction of a park upon closure of the landfill. A future park would be constructed by the Parks and Recreation Department.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 150.0 | 150.0 | 100.0 | - | **400.0** | - | **400.0** |
| **Total** | - | - | - | **-** | 150.0 | 150.0 | 100.0 | - | **400.0** | - | **400.0** |

## Landfill End-Use: Pantano Wash

**Project ID:** Q411
**Start Date:** 7/09
**End Date:** 6/12
**Location:** Ward 4

**Description:**
Design and construct a landfill cap on the closed Prudence Landfill along the Pantano Wash, after remediation is complete. In addition, design and develop a landfill master plan for the site with neighborhood participation. This project is contingent upon the availability of future funding sources.

**Justification:**
The master plan will be used by the Parks and Recreation Department to return this property to the community as a park, open space, or recreational area.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 150.0 | 100.0 | 100.0 | - | **350.0** | - | **350.0** |
| **Total** | - | - | - | **-** | 150.0 | 100.0 | 100.0 | - | **350.0** | - | **350.0** |

# Environmental Services - Facilities

($000)

## Landfill End-Use: Santa Cruz

**Project ID:** Q412
**Start Date:** 7/09
**End Date:** 6/13
**Location:** Ward 1

**Description:**
Develop a master plan for landfills along the Santa Cruz River that have been assessed and found to have low environmental risk. These landfills may be returned to the community as public parks, open space, and hiking trails. In particular, the Cottonwood Landfill, Ryland Landfill, and 29th Street Landfill can be integrated into the trail system along the Santa Cruz River. This project is contingent upon the availability of future funding sources.

**Justification:**
This master plan will provide a basis for future improvements by the Parks and Recreation Department that would enhance the trail system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 80.0 | 200.0 | 100.0 | 100.0 | **480.0** | - | **480.0** |
| **Total** | - | - | - | **-** | 80.0 | 200.0 | 100.0 | 100.0 | **480.0** | - | **480.0** |

## Los Reales 80-Acre Facilities Construction

**Project ID:** Q384
**Start Date:** 7/09
**End Date:** 6/11
**Location:** Ward 5

**Description:**
Design and construct facilities at the new Los Reales 80-acre site, including a self hauler facility, an education and training center, administrative offices, recycling facilities, a scalehouse, and a household hazardous waste facility.

**Justification:**
New facilities construction is necessary to complete the master plan for the new Los Reales 80-acre site. The future plan is for the Los Reales landfill to be both and operational facility and an education resource for the public.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Environmental Services Fund: COPs | - | - | - | **-** | 9,000.0 | 10,085.0 | - | - | **19,085.0** | - | **19,085.0** |
| **Total** | - | - | - | **-** | 9,000.0 | 10,085.0 | - | - | **19,085.0** | - | **19,085.0** |

# Environmental Services - Facilities

($000)

## Los Reales Infrastructure Plan

**Project ID:** Q383
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 5

**Description:**
Design the facility infrastructure improvements on the 80-acre site at Los Reales Landfill. Construction of the improvements is budgeted in the Los Reales 80-Acre Facilities Construction project.

**Justification:**
This project provides the infrastructure design necessary to implement the Master Plan. The future plan is for the landfill to be both an operational facility and an educational resource for the public.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Environmental Services Fund | 17.8 | - | - | **-** | - | - | - | - | **-** | - | **17.8** |
| Environmental Services Fund: COPs | 600.0 | - | 900.0 | **900.0** | - | - | - | - | **900.0** | - | **1,500.0** |
| **Total** | 617.8 | - | 900.0 | **900.0** | - | - | - | - | **900.0** | - | **1,517.8** |

## Los Reales Roadway Relocation

**Project ID:** Q333
**Start Date:** 7/06
**End Date:** 6/09
**Location:** Ward 5

**Description:**
Design and construct approximately 4,000 feet of roadway along Los Reales and Craycroft Roads.

**Justification:**
This roadway is necessary to handle landfill traffic, allow all-weather access to the landfill, and accommodate the relocation of the Los Reales Landfill entrance facilities.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Environmental Services Fund: COPs | 2,200.9 | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | **2,700.9** |
| **Total** | 2,200.9 | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | **2,700.9** |

# Environmental Services - Landfill Closure

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Irvington Landfill Closure** | | | | | | | | | | | |
| 1994 General Obligation Bond Funds | 219.1 | - | - | **-** | - | - | - | - | **-** | - | 219.1 |
| 2000 Environmental Service Bonds | 688.1 | 655.0 | 1,458.6 | **2,113.6** | - | - | - | - | **2,113.6** | - | 2,801.7 |
| 2000 General Obligation Bond Funds | 8.8 | - | - | **-** | - | - | - | - | **-** | - | 8.8 |
| Environmental Services Fund | - | - | 881.4 | **881.4** | - | - | - | - | **881.4** | - | 881.4 |
| | **916.0** | **655.0** | **2,340.0** | **2,995.0** | **-** | **-** | **-** | **-** | **2,995.0** | **-** | **3,911.0** |
| **Los Reales Landfill Final Closure - Cell 3** | | | | | | | | | | | |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | - | 55.0 | 235.0 | - | **290.0** | - | 290.0 |
| | **-** | **-** | **-** | **-** | **-** | **55.0** | **235.0** | **-** | **290.0** | **-** | **290.0** |
| **Los Reales Landfill Final Closure-Cells 1 and 2** | | | | | | | | | | | |
| 2000 Environmental Service Bonds | 4.7 | 1.9 | - | **1.9** | - | - | - | - | **1.9** | - | 6.6 |
| Environmental Services Fund | - | - | 570.0 | **570.0** | 705.0 | - | - | - | **1,275.0** | - | 1,275.0 |
| | **4.7** | **1.9** | **570.0** | **571.9** | **705.0** | **-** | **-** | **-** | **1,276.9** | **-** | **1,281.6** |
| **Los Reales Landfill Westside Closure** | | | | | | | | | | | |
| 1994 General Obligation Bond Funds | 440.8 | - | - | **-** | - | - | - | - | **-** | - | 440.8 |
| 1994 General Obligation Bond Funds: Interest | 9.2 | - | - | **-** | - | - | - | - | **-** | - | 9.2 |
| 2000 Environmental Service Bonds | 60.9 | - | 0.2 | **0.2** | - | - | - | - | **0.2** | - | 61.1 |
| 2000 General Obligation Bond Funds | 510.4 | - | - | **-** | - | - | - | - | **-** | - | 510.4 |
| Environmental Services Fund | 113.2 | - | - | **-** | 757.1 | - | - | - | **757.1** | - | 870.3 |
| | **1,134.5** | **-** | **0.2** | **0.2** | **757.1** | **-** | **-** | **-** | **757.3** | **-** | **1,891.8** |

# Environmental Services - Landfill Closure

## Five-Year Capital Improvement Program

**($000)**

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Tumamoc Landfill Closure** | | | | | | | | | | | |
| 2000 Environmental Service Bonds | 27.3 | - | - | **-** | - | - | - | - | **-** | - | 27.3 |
| Environmental Services Fund | - | - | 75.0 | **75.0** | - | - | - | - | **75.0** | - | 75.0 |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 1,000.0 | 500.0 | 1,000.0 | 1,000.0 | **3,500.0** | - | 3,500.0 |
| | **27.3** | **-** | **75.0** | **75.0** | **1,000.0** | **500.0** | **1,000.0** | **1,000.0** | **3,575.0** | **-** | **3,602.3** |
| **Program Area Total** | **2,082.5** | **656.9** | **2,985.2** | **3,642.1** | **2,462.1** | **555.0** | **1,235.0** | **1,000.0** | **8,894.2** | **-** | **10,976.7** |
| **Source of Funds Summary** | | | | | | | | | | | |
| 1994 General Obligation Bond Funds | 659.9 | - | - | **-** | - | - | - | - | **-** | - | 659.9 |
| 1994 General Obligation Bond Funds: Interest | 9.2 | - | - | **-** | - | - | - | - | **-** | - | 9.2 |
| 2000 Environmental Service Bonds | 781.0 | 656.9 | 1,458.8 | **2,115.7** | - | - | - | - | **2,115.7** | - | 2,896.7 |
| 2000 General Obligation Bond Funds | 519.2 | - | - | **-** | - | - | - | - | **-** | - | 519.2 |
| Environmental Services Fund | 113.2 | - | 1,526.4 | **1,526.4** | 1,462.1 | - | - | - | **2,988.5** | - | 3,101.7 |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 1,000.0 | 555.0 | 1,235.0 | 1,000.0 | **3,790.0** | - | 3,790.0 |
| **Program Area Total** | **2,082.5** | **656.9** | **2,985.2** | **3,642.1** | **2,462.1** | **555.0** | **1,235.0** | **1,000.0** | **8,894.2** | **-** | **10,976.7** |

# Environmental Services - Landfill Closure

($000)

## Irvington Landfill Closure

**Project ID:** Q397
**Start Date:** 7/97
**End Date:** 6/09
**Location:** Ward 4

**Description:**
Design and construct final closure cover, stormwater run-on/off controls, and bank protection along the Mesquite Ranch Wash at the Irvington Landfill.

**Justification:**
This project is mandated under Arizona Department of Environmental Quality's Aquifer Protection Program. It will ensure compliance with state closure regulations and protect public health and the environment.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 1994 General Obligation Bond Funds | 219.1 | - | - | **-** | - | - | - | - | **-** | - | **219.1** |
| 2000 Environmental Service Bonds | 688.1 | 655.0 | 1,458.6 | **2,113.6** | - | - | - | - | **2,113.6** | - | **2,801.7** |
| 2000 General Obligation Bond Funds | 8.8 | - | - | **-** | - | - | - | - | **-** | - | **8.8** |
| Environmental Services Fund | - | - | 881.4 | **881.4** | - | - | - | - | **881.4** | - | **881.4** |
| **Total** | 916.0 | 655.0 | 2,340.0 | **2,995.0** | - | - | - | - | **2,995.0** | - | **3,911.0** |

## Los Reales Landfill Final Closure - Cell 3

**Project ID:** Q399
**Start Date:** 7/10
**End Date:** 6/12
**Location:** Ward 5

**Description:**
Design and construct final closure cover and stormwater run-on/off controls for Cell 3 at the Los Reales Landfill. This project is contingent upon the availability of future funding sources.

**Justification:**
This project is mandated under federal and state regulations and will facilitate the eventual closure of the Los Reales Landfill.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | - | 55.0 | 235.0 | - | **290.0** | - | **290.0** |
| **Total** | - | - | - | **-** | - | 55.0 | 235.0 | - | **290.0** | - | **290.0** |

# Environmental Services - Landfill Closure

($000)

## Los Reales Landfill Final Closure-Cells 1 and 2

**Project ID:** Q324
**Start Date:** 7/08
**End Date:** 6/10
**Location:** Ward 5

**Description:**
Design and construct final closure features, including subgrade preparations, soil cap construction, stormwater drainage swales and letdowns, seeding, and mulching.

**Justification:**
These features will facilitate the eventual closure of the Los Reales Landfill, which will be necessary to ensure compliance with federal and state regulations.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Environmental Service Bonds | 4.7 | 1.9 | - | **1.9** | - | - | - | - | **1.9** | - | **6.6** |
| Environmental Services Fund | - | - | 570.0 | **570.0** | 705.0 | - | - | - | **1,275.0** | - | **1,275.0** |
| **Total** | 4.7 | 1.9 | 570.0 | **571.9** | 705.0 | - | - | - | **1,276.9** | - | **1,281.6** |

## Los Reales Landfill Westside Closure

**Project ID:** Q325
**Start Date:** 1/98
**End Date:** 6/10
**Location:** Ward 5

**Description:**
Design and construct final closure for an industrial waste disposal area on the westside of Los Reales Landfill.

**Justification:**
Closure of this landfill area is necessary to ensure compliance with state and federal regulations and will improve long-term protection of the soil and groundwater.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 1994 General Obligation Bond Funds | 440.8 | - | - | **-** | - | - | - | - | **-** | - | **440.8** |
| 1994 General Obligation Bond Funds: Interest | 9.2 | - | - | **-** | - | - | - | - | **-** | - | **9.2** |
| 2000 Environmental Service Bonds | 60.9 | - | 0.2 | **0.2** | - | - | - | - | **0.2** | - | **61.1** |
| 2000 General Obligation Bond Funds | 510.4 | - | - | **-** | - | - | - | - | **-** | - | **510.4** |
| Environmental Services Fund | 113.2 | - | - | **-** | 757.1 | - | - | - | **757.1** | - | **870.3** |
| **Total** | 1,134.5 | - | 0.2 | **0.2** | 757.1 | - | - | - | **757.3** | - | **1,891.8** |

# Environmental Services - Landfill Closure

($000)

## Tumamoc Landfill Closure

**Project ID:** Q312
**Start Date:** 7/05
**End Date:** 6/13
**Location:** Ward 1

**Description:**
Design and construct final closure of the Tumamoc Landfill, including permitting and soil purchase. The design phase will be completed in Fiscal Year 2010, followed by the soil purchase and construction in Fiscal Years 2011 through 2013. Construction is contingent upon the availability of future funding sources and participation from responsible parties.

**Justification:**
The landfill footprint is approximately 20 acres, unlined, and capped with native soil. The improvements must be constructed to meet state regulations.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Environmental Service Bonds | 27.3 | - | - | **-** | - | - | - | - | **-** | - | **27.3** |
| Environmental Services Fund | - | - | 75.0 | **75.0** | - | - | - | - | **75.0** | - | **75.0** |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | 1,000.0 | 500.0 | 1,000.0 | 1,000.0 | **3,500.0** | - | **3,500.0** |
| **Total** | 27.3 | - | 75.0 | **75.0** | 1,000.0 | 500.0 | 1,000.0 | 1,000.0 | **3,575.0** | - | **3,602.3** |

# Environmental Services - Landfill Construction

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Los Reales Landfill Buffer Improvements** | | | | | | | | | | | |
| Environmental Services Fund: COPs | 177.9 | - | 600.0 | **600.0** | 150.0 | - | - | 125.0 | **875.0** | - | 1,052.9 |
| | **177.9** | **-** | **600.0** | **600.0** | **150.0** | **-** | **-** | **125.0** | **875.0** | **-** | **1,052.9** |
| **Los Reales Landfill Lined Cell 3** | | | | | | | | | | | |
| Environmental Services Fund: COPs | 3,126.0 | - | 4,000.0 | **4,000.0** | - | - | - | - | **4,000.0** | - | 7,126.0 |
| | **3,126.0** | **-** | **4,000.0** | **4,000.0** | **-** | **-** | **-** | **-** | **4,000.0** | **-** | **7,126.0** |
| **Los Reales Landfill Lined Cell 4** | | | | | | | | | | | |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | - | 100.0 | 3,060.0 | - | **3,160.0** | - | 3,160.0 |
| | **-** | **-** | **-** | **-** | **-** | **100.0** | **3,060.0** | **-** | **3,160.0** | **-** | **3,160.0** |
| **Program Area Total** | **3,303.9** | **-** | **4,600.0** | **4,600.0** | **150.0** | **100.0** | **3,060.0** | **125.0** | **8,035.0** | **-** | **11,338.9** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Environmental Services Fund: COPs | 3,303.9 | - | 4,600.0 | **4,600.0** | 150.0 | - | - | 125.0 | **4,875.0** | - | 8,178.9 |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | - | 100.0 | 3,060.0 | - | **3,160.0** | - | 3,160.0 |
| **Program Area Total** | **3,303.9** | **-** | **4,600.0** | **4,600.0** | **150.0** | **100.0** | **3,060.0** | **125.0** | **8,035.0** | **-** | **11,338.9** |

# Environmental Services - Landfill Construction

($000)

## Los Reales Landfill Buffer Improvements

**Project ID:** Q332
**Start Date:** 7/05
**End Date:** 6/13
**Location:** Ward 5

**Description:**
Design and construct buffer improvements to the north, east, and west perimeters of the landfill including a screening berm, trees, and vegetation.

**Justification:**
These buffer improvements, which are part of the landfill's proposed master plan, will provide adequate screening to residential developments. The timing of buffer improvements corresponds to the development plans for neighboring areas and landfill expansion.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Environmental Services Fund: COPs | 177.9 | - | 600.0 | **600.0** | 150.0 | - | - | 125.0 | **875.0** | - | **1,052.9** |
| **Total** | 177.9 | - | 600.0 | **600.0** | 150.0 | - | - | 125.0 | **875.0** | - | **1,052.9** |

## Los Reales Landfill Lined Cell 3

**Project ID:** Q415
**Start Date:** 7/06
**End Date:** 6/09
**Location:** Ward 5

**Description:**
Design, permit, and construct a third lined cell on 29 acres at the Los Reales Landfill.

**Justification:**
This is the city's only operational landfill and additional cells are required to extend its life. The continued development of the Los Reales Landfill represents the lowest cost alternative for disposal capacity.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Environmental Services Fund: COPs | 3,126.0 | - | 4,000.0 | **4,000.0** | - | - | - | - | **4,000.0** | - | **7,126.0** |
| **Total** | 3,126.0 | - | 4,000.0 | **4,000.0** | - | - | - | - | **4,000.0** | - | **7,126.0** |

# Environmental Services - Landfill Construction

($000)

## Los Reales Landfill Lined Cell 4

**Project ID:** Q416
**Start Date:** 7/10
**End Date:** 6/12
**Location:** Ward 5

**Description:**
Design, permit, and construct a fourth lined cell on 32 acres at the Los Reales Landfill. This project is contingent upon the availability of future funding sources.

**Justification:**
Additional cells are needed to extend the life of the city's only operational landfill. The continued development of Los Reales Landfill represents the lowest cost alternative for disposal capacity.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | - | 100.0 | 3,060.0 | - | **3,160.0** | - | **3,160.0** |
| **Total** | - | - | - | **-** | - | 100.0 | 3,060.0 | - | **3,160.0** | - | **3,160.0** |

# Environmental Services - Remediations

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Silverbell Jail Annex Landfill Remediation** | | | | | | | | | | | |
| 1994 General Obligation Bond Funds | 2,121.2 | - | - | **-** | - | - | - | - | **-** | - | 2,121.2 |
| 1994 General Obligation Bond Funds: Interest | 37.7 | - | - | **-** | - | - | - | - | **-** | - | 37.7 |
| 2000 Environmental Service Bonds | 1,021.1 | - | - | **-** | - | - | - | - | **-** | - | 1,021.1 |
| 2000 General Obligation Bond Funds | 207.2 | - | - | **-** | - | - | - | - | **-** | - | 207.2 |
| Environmental Services Fund | - | - | 100.0 | **100.0** | 850.0 | - | - | - | **950.0** | - | 950.0 |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | - | 650.0 | - | - | **650.0** | - | 650.0 |
| | **3,387.2** | **-** | **100.0** | **100.0** | **850.0** | **650.0** | **-** | **-** | **1,600.0** | **-** | **4,987.2** |
| **Program Area Total** | **3,387.2** | **-** | **100.0** | **100.0** | **850.0** | **650.0** | **-** | **-** | **1,600.0** | **-** | **4,987.2** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1994 General Obligation Bond Funds | 2,121.2 | - | - | **-** | - | - | - | - | **-** | - | 2,121.2 |
| 1994 General Obligation Bond Funds: Interest | 37.7 | - | - | **-** | - | - | - | - | **-** | - | 37.7 |
| 2000 Environmental Service Bonds | 1,021.1 | - | - | **-** | - | - | - | - | **-** | - | 1,021.1 |
| 2000 General Obligation Bond Funds | 207.2 | - | - | **-** | - | - | - | - | **-** | - | 207.2 |
| Environmental Services Fund | - | - | 100.0 | **100.0** | 850.0 | - | - | - | **950.0** | - | 950.0 |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | - | 650.0 | - | - | **650.0** | - | 650.0 |
| **Program Area Total** | **3,387.2** | **-** | **100.0** | **100.0** | **850.0** | **650.0** | **-** | **-** | **1,600.0** | **-** | **4,987.2** |

# Environmental Services - Remediations

($000)

## Silverbell Jail Annex Landfill Remediation

**Project ID:** U314

**Start Date:** 7/95
**End Date:** 6/11

**Location:** Ward 1

**Description:**
Design and construct a new groundwater treatment system, and install six monitoring wells to remediate the groundwater beneath the site, which has been impacted by volatile organic compounds. Construction is contingent upon the availability of future funding sources.

**Justification:**
This project is mandated by the Arizona Department of Environmental Quality State Superfund Program.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Year Total** | **Future Years** | **Total Project** |
| 1994 General Obligation Bond Funds | 2,121.2 | - | - | **-** | - | - | - | - | **-** | - | **2,121.2** |
| 1994 General Obligation Bond Funds: Interest | 37.7 | - | - | **-** | - | - | - | - | **-** | - | **37.7** |
| 2000 Environmental Service Bonds | 1,021.1 | - | - | **-** | - | - | - | - | **-** | - | **1,021.1** |
| 2000 General Obligation Bond Funds | 207.2 | - | - | **-** | - | - | - | - | **-** | - | **207.2** |
| Environmental Services Fund | - | - | 100.0 | **100.0** | 850.0 | - | - | - | **950.0** | - | **950.0** |
| Future Environmental Services Revenue Bonds | - | - | - | **-** | - | 650.0 | - | - | **650.0** | - | **650.0** |
| **Total** | 3,387.2 | - | 100.0 | **100.0** | 850.0 | 650.0 | - | - | **1,600.0** | - | **4,987.2** |

*Approved Five-Year*
*Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Fire

# Capital Improvement Program
# Department Statement

## FY 2009 through FY 2013

**Department:** Fire **Five Year Total:** $ 33,073,000

The Fire Department's Capital Improvement Program (CIP) establishes improvements needed to sustain adequate levels of emergency services for fire protection and medical needs.

The five-year capital program of $33 million is funded with $440,000 in 2000 general obligation bond funds and $32.6 million in capital improvement funds, which involve non-bond financing.

Major projects in this five-year CIP with funding in Fiscal Year 2009 include the following:

- Fire Central: a new facility to house Fire Station 1, Administration, Emergency Management, and Fire Prevention offices
- Land acquisition for future fire stations
- Public Safety Training Academy (PSTA) master plan to identify and design additional utility and physical plant infrastructure for future expansion and design of additional classrooms
- Support facility improvements (Fire Maintenance Facility)

The operating budget costs associated with this program are projected to be $252,500 beginning the second year of this CIP, Fiscal Year 2010, increasing to $336,000 in Fiscal Year 2013. See the following page for the operating budget impact by project and funding source.

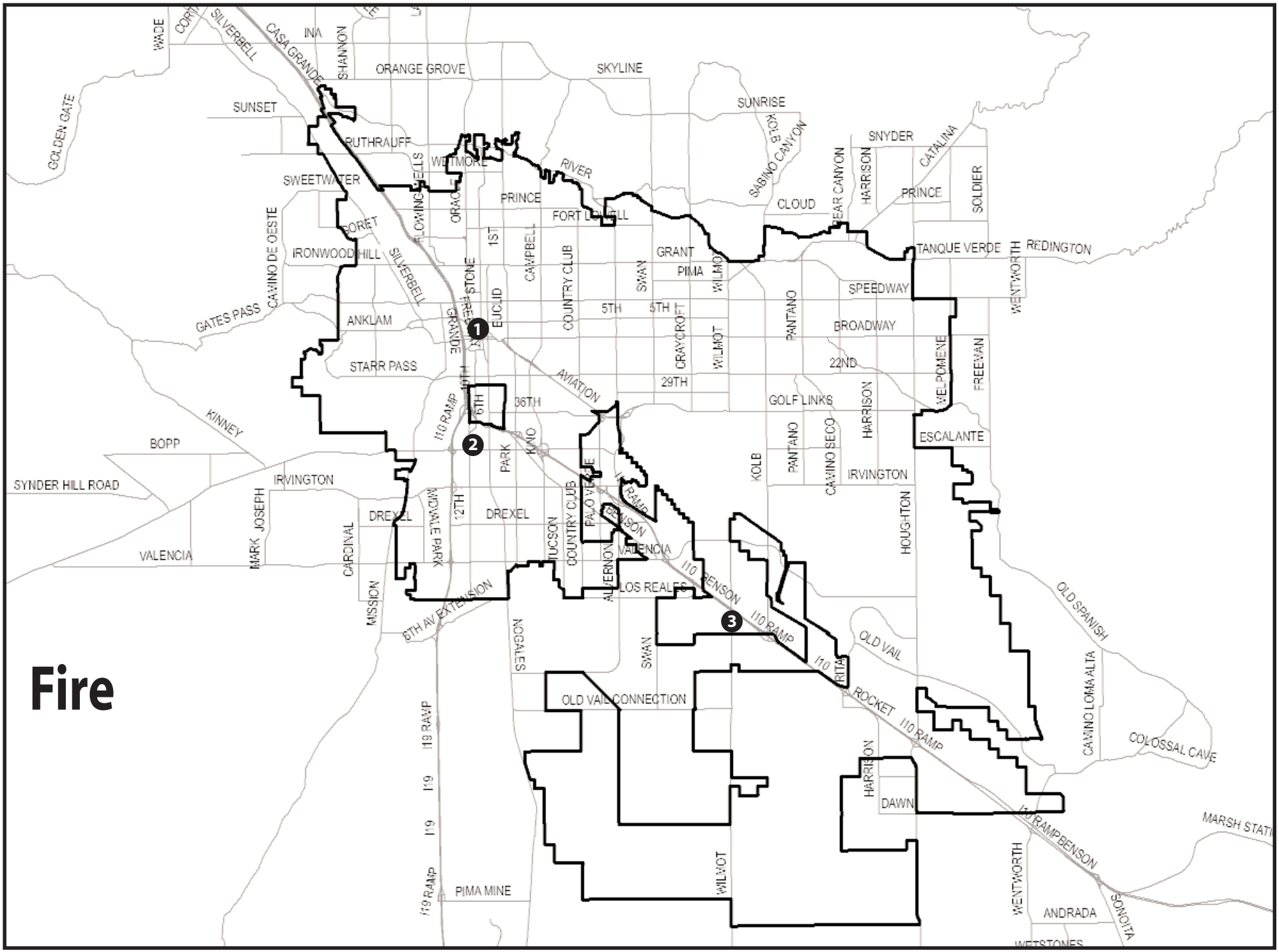
## Fire: CIP Impact on the Operating Budget

When the following projects in this CIP are completed, they will require funding for annual operations. The estimated impact of these projects on the operating budget over the next five years is shown in the table below.

**($000)**

| Project Name | Year 1 FY 2009 | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total |
|---|---|---|---|---|---|---|
| Fire Central | - | 252.5 | 277.7 | 305.5 | 336.0 | **1,171.7** |
| **Total** | **-** | **252.5** | **277.7** | **305.5** | **336.0** | **1,171.7** |

| **Source of Funds Summary** | | | | | | |
|---|---|---|---|---|---|---|
| General Fund | - | 252.5 | 277.7 | 305.5 | 336.0 | **1,171.7** |
| **Total** | **-** | **252.5** | **277.7** | **305.5** | **336.0** | **1,171.7** |


Fire
1
2
3
WADE
SILVERBELL
CASA GRANDE
INA
SHANNON
ORANGE GROVE
SKYLINE
SUNRISE
GOLDEN GATE
SUNSET
RUTHRAUFF
WETMORE
RIVER
SABINO CANYON
KOLB
SNYDER
CATALINA
SWEETWATER
FLOWING WELLS
ORACLE
PRINCE
FORT LOWELL
CLOUD
BEAR CANYON
HARRISON
PRINCE
SOLDIER
CORET
CAMINO DE OESTE
IRONWOOD HILL
1ST
CAMPBELL
COUNTRY CLUB
SWAN
GRANT
PIMA
WILMOT
TANQUE VERDE
REDINGTON
WENTWORTH
SPEEDWAY
GATES PASS
ANKLAM
STONE
EUCLID
5TH
CRAYCROFT
PANTANO
BROADWAY
STARR PASS
GRANDE
22ND
29TH
FREEMAN
WELPOMENE
AVIATION
36TH
GOLF LINKS
KINNEY
BOPP
I10 RAMP
PARK
KINO
CAMINO SECO
ESCALANTE
IRVINGTON
SYNDER HILL ROAD
JOSEPH
DREXEL
12TH
MIDVALE PARK
PALO VERDE
I10 RAMP
BENSON
HOUGHTON
VALENCIA
MARK
CARDINAL
TUCSON
ALVERNON
LOS REALES
OLD SPANISH
MISSION
6TH AV EXTENSION
NOGALES
OLD VAIL
RITA
ROCKET
CAMINO LOMA ALTA
COLOSSAL CAVE
OLD VAIL CONNECTION
I19 RAMP
I19
DAWN
MARSH STATI
I10 RAMP BENSON
PIMA MINE
ANDRADA
SONOITA
WETSTONES

**Map Legend**

**Fire**

| Project Name | Year to be Completed | Project Name | Year to be Completed |
|---|---|---|---|
| 1. Fire Central | FY 2010 | 3. Public Safety Training Academy Master Plan and Design | FY 2009 |
| 2. Support Facility Improvements | FY 2009 | | |

# Fire

## Five-Year Capital Improvement Program

**($000)**

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Fire Central** | | | | | | | | | | | |
| Capital Improvement Fund | 7,500.1 | 6,475.2 | 22,239.7 | **28,714.9** | 1,200.0 | - | - | - | **29,914.9** | - | 37,415.0 |
| General Fund: Certificates of Participation | 1,435.0 | - | - | **-** | - | - | - | - | **-** | - | 1,435.0 |
| | **8,935.1** | **6,475.2** | **22,239.7** | **28,714.9** | **1,200.0** | **-** | **-** | **-** | **29,914.9** | **-** | **38,850.0** |
| **Land Acquistion for Future Stations** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds: Interest | - | - | 240.0 | **240.0** | - | - | - | - | **240.0** | - | 240.0 |
| Capital Improvement Fund | - | - | 700.0 | **700.0** | - | - | - | - | **700.0** | - | 700.0 |
| | **-** | **-** | **940.0** | **940.0** | **-** | **-** | **-** | **-** | **940.0** | **-** | **940.0** |
| **PSTA Master Plan and Design** | | | | | | | | | | | |
| Capital Improvement Fund | - | 387.6 | 1,312.4 | **1,700.0** | - | - | - | - | **1,700.0** | - | 1,700.0 |
| General Fund | 62.4 | - | - | **-** | - | - | - | - | **-** | - | 62.4 |
| | **62.4** | **387.6** | **1,312.4** | **1,700.0** | **-** | **-** | **-** | **-** | **1,700.0** | **-** | **1,762.4** |

# Fire

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Support Facility Improvements** | | | | | | | | | | | |
| 1984 General Obligation Bond Funds | 100.7 | - | - | **-** | - | - | - | - | **-** | - | 100.7 |
| 1994 General Obligation Bond Funds | 530.8 | - | - | **-** | - | - | - | - | **-** | - | 530.8 |
| 1994 General Obligation Bond Funds: Interest | 35.3 | - | - | **-** | - | - | - | - | **-** | - | 35.3 |
| 2000 General Obligation Bond Funds | 3,205.0 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | 3,405.0 |
| 2000 General Obligation Bond Funds: Interest | 50.0 | - | - | **-** | - | - | - | - | **-** | - | 50.0 |
| Capital Improvement Fund | 365.1 | - | 318.1 | **318.1** | - | - | - | - | **318.1** | - | 683.2 |
| General Fund | 18.0 | - | - | **-** | - | - | - | - | **-** | - | 18.0 |
| General Fund: Certificates of Participation | 266.8 | - | - | **-** | - | - | - | - | **-** | - | 266.8 |
| | **4,571.7** | **200.0** | **318.1** | **518.1** | **-** | **-** | **-** | **-** | **518.1** | **-** | **5,089.8** |
| **Department Total** | **13,569.2** | **7,062.8** | **24,810.2** | **31,873.0** | **1,200.0** | **-** | **-** | **-** | **33,073.0** | **-** | **46,642.2** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1984 General Obligation Bond Funds | 100.7 | - | - | **-** | - | - | - | - | **-** | - | 100.7 |
| 1994 General Obligation Bond Funds | 530.8 | - | - | **-** | - | - | - | - | **-** | - | 530.8 |
| 1994 General Obligation Bond Funds: Interest | 35.3 | - | - | **-** | - | - | - | - | **-** | - | 35.3 |
| 2000 General Obligation Bond Funds | 3,205.0 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | 3,405.0 |
| 2000 General Obligation Bond Funds: Interest | 50.0 | - | 240.0 | **240.0** | - | - | - | - | **240.0** | - | 290.0 |
| Capital Improvement Fund | 7,865.2 | 6,862.8 | 24,570.2 | **31,433.0** | 1,200.0 | - | - | - | **32,633.0** | - | 40,498.2 |
| General Fund | 80.4 | - | - | **-** | - | - | - | - | **-** | - | 80.4 |
| General Fund: Certificates of Participation | 1,701.8 | - | - | **-** | - | - | - | - | **-** | - | 1,701.8 |
| **Department Total** | **13,569.2** | **7,062.8** | **24,810.2** | **31,873.0** | **1,200.0** | **-** | **-** | **-** | **33,073.0** | **-** | **46,642.2** |

# Fire

($000)

## Fire Central

**Project ID:** F913
**Start Date:** 7/06
**End Date:** 8/09
**Location:** Ward 1 (within Rio Nuevo District)

**Description:**
Design and construct a new facility that will permit the relocation of Fire Station 1, Administration, Emergency Management, and Fire Prevention offices to a new downtown site. This project will include a 61,500 square-foot multi-story building and will provide the necessary physical space and facilities to allow the Tucson Fire Department to continue providing customer service to the downtown and Rio Nuevo District areas. This site will also house the Firefighter Memorial Project.

**Justification:**
A new facility is needed to adequately house current staff for Fire Station 1, Administration, Emergency Management, and Fire Prevention offices in a centrally-located facility and provide for anticipated growth. The current Fire Prevention facility will be sold to a private business. After the current Fire Station 1/Administration building has been vacated by Fire, the property will be renovated or razed for occupancy by Tucson Police Department.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Improvement Fund | 7,500.1 | 6,475.2 | 22,239.7 | **28,714.9** | 1,200.0 | - | - | - | **29,914.9** | - | **37,415.0** |
| General Fund: Certificates of Participation | 1,435.0 | - | - | **-** | - | - | - | - | **-** | - | **1,435.0** |
| **Total** | 8,935.1 | 6,475.2 | 22,239.7 | **28,714.9** | 1,200.0 | - | - | - | **29,914.9** | - | **38,850.0** |

## Land Acquistion for Future Stations

**Project ID:** F930
**Start Date:** 7/08
**End Date:** 6/09
**Location:** Citywide

**Description:**
Purchase of parcel(s) of land on which to build additional fire stations.

**Justification:**
Land prices continue to climb in the Tucson region. Acquiring land in advance of project design and construction schedules will save the city money.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds: Interest | - | - | 240.0 | **240.0** | - | - | - | - | **240.0** | - | **240.0** |
| Capital Improvement Fund | - | - | 700.0 | **700.0** | - | - | - | - | **700.0** | - | **700.0** |
| **Total** | - | - | 940.0 | **940.0** | - | - | - | - | **940.0** | - | **940.0** |

# Fire

($000)

## PSTA Master Plan and Design

**Project ID:** F915
**Start Date:** 12/07
**End Date:** 6/09
**Location:** Ward 4

**Description:**
Solicit a master plan for additional utility and physical plant infrastructure, and for the new buildings to be added to the Public Safety Training Academy (PSTA). This project will also include the design for the infrastructure improvements and for additional classrooms.

**Justification:**
The Public Safety Training Academy (PSTA) is currently at capacity for buildings and props. Without new infrastructure (roads, utilities, etc.) and expanded classrooms, the facility will not be able to provide the training needs of the Police and Fire Departments.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Improvement Fund | - | 387.6 | 1,312.4 | **1,700.0** | - | - | - | - | **1,700.0** | - | **1,700.0** |
| General Fund | 62.4 | - | - | **-** | - | - | - | - | **-** | - | **62.4** |
| **Total** | 62.4 | 387.6 | 1,312.4 | **1,700.0** | - | - | - | - | **1,700.0** | - | **1,762.4** |

## Support Facility Improvements

**Project ID:** F901
**Start Date:** 7/00
**End Date:** 6/09
**Location:** Wards 5 and 6

**Description:**
Design and construct improvements to Fire Station 7 and to the Fire Maintenance Facility. An additional bay at Fire Station 7 was completed in Fiscal Year 2003. The Maintenance Facility improvements included renovation of an existing building for offices and warehouse and the addition of the maintenance shop that were completed in May 2006. Phase 2 funding will provide for a new roof and covered parking for fire apparatus.

**Justification:**
These improvements are needed to improve the use of existing space and to meet future demands for the maintenance and service of fire apparatus and equipment.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 1984 General Obligation Bond Funds | 100.7 | - | - | **-** | - | - | - | - | **-** | - | **100.7** |
| 1994 General Obligation Bond Funds | 530.8 | - | - | **-** | - | - | - | - | **-** | - | **530.8** |
| 1994 General Obligation Bond Funds: Interest | 35.3 | - | - | **-** | - | - | - | - | **-** | - | **35.3** |
| 2000 General Obligation Bond Funds | 3,205.0 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | **3,405.0** |
| 2000 General Obligation Bond Funds: Interest | 50.0 | - | - | **-** | - | - | - | - | **-** | - | **50.0** |
| Capital Improvement Fund | 365.1 | - | 318.1 | **318.1** | - | - | - | - | **318.1** | - | **683.2** |
| General Fund | 18.0 | - | - | **-** | - | - | - | - | **-** | - | **18.0** |
| General Fund: Certificates of Participation | 266.8 | - | - | **-** | - | - | - | - | **-** | - | **266.8** |
| **Total** | 4,571.7 | 200.0 | 318.1 | **518.1** | - | - | - | - | **518.1** | - | **5,089.8** |

*Approved Five-Year Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Information Technology

# Capital Improvement Program
# Department Statement

## FY 2009 through FY 2013

**Department:** Information Technology **Five-Year Total:** $ 550,300

The Information Technology Capital Improvement Program (CIP) of $550,300 has only one project: the completion of the Voice and Data Network and Component Upgrades. There are three remaining components of this project that are nearing completion: a wireless data communications system used in support of fire services, alerting system for fire stations, and an electronic patient care and reporting system. These communication components and systems will complete the technological upgrade of some critical pieces of the public safety infrastructure.

This five-year CIP is funded with the Capital Improvement Fund which is certificates of participation.

# Information Technology

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Voice and Data Network and Component Upgrades** | | | | | | | | | | | |
| 1984 General Obligation Bond Funds | 164.8 | - | - | - | - | - | - | - | - | - | 164.8 |
| Capital Improvement Fund | 3,805.5 | 550.3 | - | **550.3** | - | - | - | - | **550.3** | - | 4,355.8 |
| General Fund | 896.4 | - | - | - | - | - | - | - | - | - | 896.4 |
| General Fund: Certificates of Participation | 5,424.3 | - | - | - | - | - | - | - | - | - | 5,424.3 |
| General Fund: Restricted Trust Reserves | 3,277.5 | - | - | - | - | - | - | - | - | - | 3,277.5 |
| | **13,568.5** | **550.3** | **-** | **550.3** | **-** | **-** | **-** | **-** | **550.3** | **-** | **14,118.8** |
| **Department Total** | **13,568.5** | **550.3** | **-** | **550.3** | **-** | **-** | **-** | **-** | **550.3** | **-** | **14,118.8** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1984 General Obligation Bond Funds | 164.8 | - | - | - | - | - | - | - | - | - | 164.8 |
| Capital Improvement Fund | 3,805.5 | 550.3 | - | **550.3** | - | - | - | - | **550.3** | - | 4,355.8 |
| General Fund | 896.4 | - | - | - | - | - | - | - | - | - | 896.4 |
| General Fund: Certificates of Participation | 5,424.3 | - | - | - | - | - | - | - | - | - | 5,424.3 |
| General Fund: Restricted Trust Reserves | 3,277.5 | - | - | - | - | - | - | - | - | - | 3,277.5 |
| **Department Total** | **13,568.5** | **550.3** | **-** | **550.3** | **-** | **-** | **-** | **-** | **550.3** | **-** | **14,118.8** |

# Information Technology

($000)

## Voice and Data Network and Component Upgrades

**Project ID:** B802

**Start Date:** 7/99

**End Date:** 6/09

**Location:** Citywide

**Description:**
Upgrade and replace components of the city's voice and data network, and upgrade computer systems for fire dispatch. Included in this project are a microwave system replacement, upgrade to the fire computer aided dispatch system, replacement of the fire station alerting system, and upgrade of the mobile data and automated vehicle locator systems.

**Justification:**
The existing microwave and alerting systems are both over 20-years-old and require replacement to ensure reliable connectivity to fire operations. Existing components can no longer be repaired or replaced in the event of a failure. Hardware for the dispatch system does not support current upgrades to operating systems, which are required for dispatch software upgrades.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 1984 General Obligation Bond Funds | 164.8 | - | - | **-** | - | - | - | - | **-** | - | **164.8** |
| Capital Improvement Fund | 3,805.5 | 550.3 | - | **550.3** | - | - | - | - | **550.3** | - | **4,355.8** |
| General Fund | 896.4 | - | - | **-** | - | - | - | - | **-** | - | **896.4** |
| General Fund: Certificates of Participation | 5,424.3 | - | - | **-** | - | - | - | - | **-** | - | **5,424.3** |
| General Fund: Restricted Trust Reserves | 3,277.5 | - | - | **-** | - | - | - | - | **-** | - | **3,277.5** |
| **Total** | 13,568.5 | 550.3 | - | **550.3** | - | - | - | - | **550.3** | - | **14,118.8** |

*Approved Five-Year*
*Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Neighborhood Resources

# Capital Improvement Program
# Department Statement

## FY 2009 through FY 2013

**Department:** Neighborhood Resources **Five-Year Total:** $ 18,432,300

The Department of Neighborhood Resources funds Back to Basics projects, which are infrastructure improvements and other enhancements as directed by Mayor and Council. These projects are cooperative efforts between city departments, the private sector, and neighborhood residents.

Annual programming provides $397,200 annually for the mayor's office and each council office. The carryforward funding in Fiscal Year 2009 is for completion of projects from prior years.

# Neighborhood Resources

## Five-Year Capital Improvement Program

**($000)**

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Back to Basics Unallocated** | | | | | | | | | | | |
| Community Development Block Grant Fund | - | 2,600.0 | 1,080.4 | **3,680.4** | 1,080.4 | 1,080.4 | 1,080.4 | 1,080.4 | **8,002.0** | - | 8,002.0 |
| General Fund | - | 230.3 | - | **230.3** | - | - | - | - | **230.3** | - | 230.3 |
| Highway User Revenue Fund | - | 1,700.0 | 1,700.0 | **3,400.0** | 1,700.0 | 1,700.0 | 1,700.0 | 1,700.0 | **10,200.0** | - | 10,200.0 |
| | **-** | **4,530.3** | **2,780.4** | **7,310.7** | **2,780.4** | **2,780.4** | **2,780.4** | **2,780.4** | **18,432.3** | **-** | **18,432.3** |
| **Department Total** | **-** | **4,530.3** | **2,780.4** | **7,310.7** | **2,780.4** | **2,780.4** | **2,780.4** | **2,780.4** | **18,432.3** | **-** | **18,432.3** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Community Development Block Grant Fund | - | 2,600.0 | 1,080.4 | **3,680.4** | 1,080.4 | 1,080.4 | 1,080.4 | 1,080.4 | **8,002.0** | - | 8,002.0 |
| General Fund | - | 230.3 | - | **230.3** | - | - | - | - | **230.3** | - | 230.3 |
| Highway User Revenue Fund | - | 1,700.0 | 1,700.0 | **3,400.0** | 1,700.0 | 1,700.0 | 1,700.0 | 1,700.0 | **10,200.0** | - | 10,200.0 |
| **Department Total** | **-** | **4,530.3** | **2,780.4** | **7,310.7** | **2,780.4** | **2,780.4** | **2,780.4** | **2,780.4** | **18,432.3** | **-** | **18,432.3** |

# Neighborhood Resources

($000)

## Back to Basics Unallocated

**Project ID:** A148
**Start Date:** Annual
**End Date:** Annual
**Location:** Citywide

**Description:**
Design and construct basic infrastructure improvements and other enhancements in neighborhoods as directed by the Mayor and Council. This is a master project that provides $397,200 annually for the mayor's office and each council office. Carryforward funding in Fiscal Year 2009 is to complete projects from prior years.

**Justification:**
This project supports the Mayor and Council Strategic Priorities.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Community Development Block Grant Fund | - | 2,600.0 | 1,080.4 | **3,680.4** | 1,080.4 | 1,080.4 | 1,080.4 | 1,080.4 | **8,002.0** | - | **8,002.0** |
| General Fund | - | 230.3 | - | **230.3** | - | - | - | - | **230.3** | - | **230.3** |
| Highway User Revenue Fund | - | 1,700.0 | 1,700.0 | **3,400.0** | 1,700.0 | 1,700.0 | 1,700.0 | 1,700.0 | **10,200.0** | - | **10,200.0** |
| **Total** | - | 4,530.3 | 2,780.4 | **7,310.7** | 2,780.4 | 2,780.4 | 2,780.4 | 2,780.4 | **18,432.3** | - | **18,432.3** |

*Approved Five-Year*
*Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Parks and Recreation

# Capital Improvement Program
# Department Statement

## FY 2009 through FY 2013

**Department:** Parks and Recreation **Five-Year Total:** $ 54,021,300

The Parks and Recreation Department's Capital Improvement Program (CIP) is based on the Parks, Recreation, and Open Space component of the city's General Plan, the adopted City of Tucson Parks and Recreation Ten-year Strategic Service Plan, and Mayor and Council direction. The CIP implements Mayor and Council policy by developing facilities that provide for family, youth, and senior adult recreation, while supporting inner-city revitalization, public art, and using arid and semi-arid landscaping wherever possible to conserve water.

The five-year capital program of $54.0 million is funded primarily from Pima County bonds and the city's general obligation bonds. The budget includes capacity for the Reid Park Zoo Africa expansion, potential Pima County Neighborhood Reinvestment projects, and projects funded by impact fees.

The impact of this five-year CIP on future operating budgets is estimated to be $525,000 in Fiscal Year 2009, increasing to $2,985,300 by Fiscal Year 2013 for a five-year total of $10,492,400. See the following pages for the impact by project and funding source.

# 2000 General Obligation Bond Authorization
# New and Deleted Projects in the FY 2009-2013 CIP
**($000)**

The Truth-in-Bonding Ordinance reads as follows: "That in any particular year, approved bond proceeds to be allocated to projects in accordance with the priority levels set forth in the City of Tucson's publicly adopted Five-Year Capital Improvements Funded Program (CIFP). Any change which results in the creation of new or cancellation of previously approved capital projects requires prior Mayor and Council approval at a Study Sessions or Regular Session open to the public, which will include a Public Hearing, and which shall be consistent with all other legal and management requirements, procedures, and controls."

The following table lists projects newly funded by the 2000 Bond Authorization and those projects that will no longer be funded with the 2000 Bond Authorization.

| | | Project Total |
|---|---|---|
| **Newly Created 2000 Bond Projects** | | |
| El Pueblo Center Expansion | $ | 10.0 |
| Lincoln Park Area Maintenance Compound | | 16.6 |
| **Newly Created Projects Total** | **$** | **26.6** |

## Parks and Recreation: CIP Impact on the Operating Budget

When the following projects in this CIP are completed, they will require funding for annual operations. The estimated impact of these projects on the operating budget over the next five years is shown in the table below.

**($000)**

| Project Name | Year 1 FY 2009 | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total |
|---|---|---|---|---|---|---|
| Alamo Wash Trail | - | 6.0 | 6.0 | 6.0 | 6.0 | **24.0** |
| Arroyo Chico Urban Path: Campbell/Parkway | - | - | - | 108.7 | 91.7 | **200.4** |
| Arroyo Chico Urban Pathway | - | - | 102.8 | 86.3 | - | **189.1** |
| Atterbury Wash Sanctuary Expansion | - | - | 41.6 | 37.9 | 37.9 | **117.5** |
| Christopher Columbus Park Expansion | 274.1 | 201.6 | 201.6 | 201.6 | 201.6 | **1,080.5** |
| Clements Senior Center Recreation Facility | - | - | 358.6 | 285.7 | 285.6 | **929.8** |
| Davidson School Park | 5.0 | 6.0 | 6.0 | 6.0 | 6.0 | **29.0** |
| General Instruments Site Improvements | - | 66.2 | 66.2 | 66.2 | 66.2 | **264.8** |
| Grijalva School Park | 46.3 | 61.4 | 61.4 | 61.4 | 61.4 | **291.9** |
| Jacinto Park | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | **34.3** |
| Juhan Park Expansion | 16.6 | 65.8 | 65.8 | 65.8 | 65.8 | **279.7** |
| Julian Wash Linear Park | - | 25.0 | 37.9 | 37.9 | 37.9 | **138.8** |
| Lincoln Park Expansion, Phase I | 40.8 | 37.9 | 37.9 | 37.9 | 37.9 | **192.5** |
| Lincoln Park Sport Fields | - | - | 378.5 | 185.0 | 185.0 | **748.6** |
| Mendoza Memorial Park | - | 2.4 | 2.4 | 2.4 | 2.4 | **9.6** |
| New Comfort Stations | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | **305.0** |
| Northside Recreation Center | - | - | - | 621.9 | 550.0 | **1,171.9** |
| Performing Arts Center | - | 13.4 | 13.4 | 13.4 | 13.4 | **53.6** |
| Purple Heart Park Expansion | - | - | 153.4 | 37.9 | 37.9 | **229.3** |
| Reid Park Expansion, Phase 1 | - | 63.0 | 45.5 | 45.5 | 45.5 | **199.5** |
| Reid Park Zoo Africa Expansion-Elephant Exhibit | - | 106.9 | 419.4 | 419.4 | 419.4 | **1,365.0** |
| Rio Vista Park Expansion | 61.5 | 89.8 | 89.8 | 89.8 | 89.8 | **420.8** |
| Robb Wash Trail | - | 3.0 | 6.0 | 6.0 | 6.0 | **21.0** |
| Santa Rita Skate Park | 13.0 | 24.0 | 24.0 | 24.0 | 24.0 | **108.8** |
| South Central Community Park, Phase I | - | - | 53.4 | 37.9 | 37.9 | **129.3** |
| Southeast Community Park | - | - | - | 576.9 | 383.4 | **960.3** |
| Udall Park Sport Fields | - | 323.7 | 224.5 | 224.5 | 224.5 | **997.3** |
| **Total** | **525.0** | **1,164.0** | **2,464.1** | **3,354.1** | **2,985.3** | **10,492.4** |

| **Source of Funds Summary** | | | | | | |
|---|---|---|---|---|---|---|
| General Fund | 525.0 | 1,164.0 | 2,464.1 | 3,354.1 | 2,985.3 | **10,492.4** |
| **Total** | **525.0** | **1,164.0** | **2,464.1** | **3,354.1** | **2,985.3** | **10,492.4** |

# 1997 Pima County Parks Bond Program
# City Parks and Recreation Projects

**($000)**

| Project Name | Project Total |
|---|---|
| Santa Cruz River Sports Park<br>(The feasibility of this project is in doubt due to restrictive site conditions including extensive archaeology, major drainage problems, and availability of developable land. The county and city are evaluating alternatives.) | $ 828.7 |
| **Total** | **$ 828.7** |

NOTES: The projects listed above are included in this five-year capital improvement program (CIP) for the Parks and Recreation Department. The total amount of authorized Pima County Bonds for projects within the city limits was $17,850,000, with $3,000,000 for athletic and play field improvements, and the design and construction of Christopher Columber Park to be administered by Pima County. Project amounts are net of Pima County's administrative charges. Projects that have been completed are no longer shown in this five-year CIP.

This listing does not include any Pima County neighborhood reinvestment bond funds that may be spent within the city.

# 2004 Pima County General Obligation Bond Program
# Parks and Open Space Projects within the City of Tucson
**($000)**

The Pima County General Obligation Bond Program approved by the voters in May 2004 included parks and open space projects within the City of Tucson. Following is a listing of those projects grouped by the administering agency.

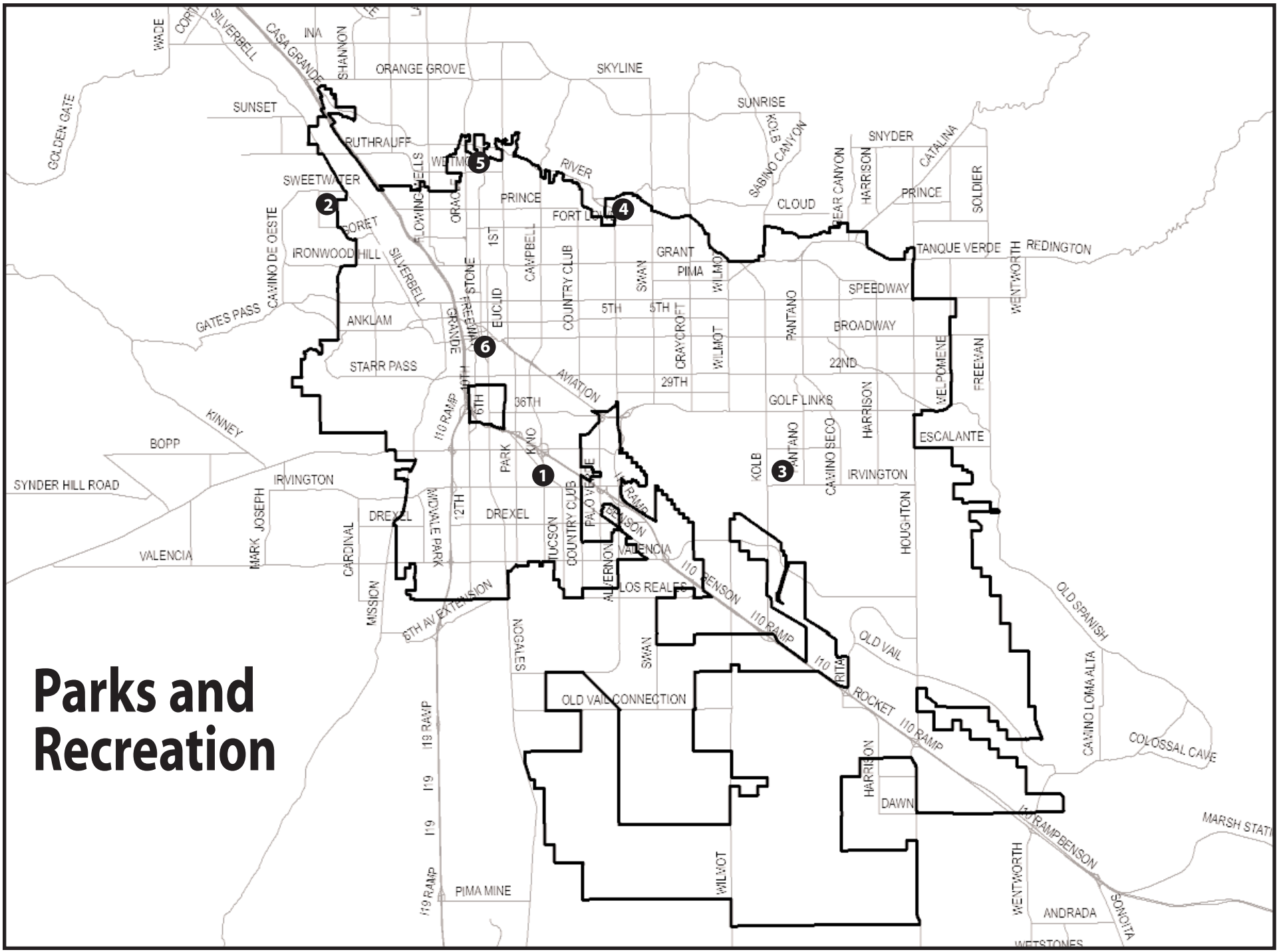
This listing does not include any Pima County neighborhood reinvestment bond funds that may be spent within the city.

| Project | Pima County Bond Allocation | Estimated Pima County Administrative Charges[1] | Available to City of Tucson for Direct Project Costs |
|---|---|---|---|
| **Projects to be Administered by City of Tucson** | | | |
| Arroyo Chico Urban Path: Campbell/Parkway | $ 1,000.0 | $ 25.0 | $ 975.0 |
| Atterbury Wash Sanctuary Expansion | 1,200.0 | 30.0 | 1,170.0 |
| Houghton Greenway[2] | 1,400.0 | - | - |
| Julian Wash Linear Park | 3,700.0 | 92.5 | 3,607.5 |
| Lincoln Park Sport Fields | 3,500.0 | 87.5 | 3,412.5 |
| Northside Recreation Center | 5,500.0 | 137.5 | 5,362.5 |
| Performing Arts Center | 682.0 | 17.0 | 665.0 |
| Rio Vista Park Expansion | 1,500.0 | 37.5 | 1,462.5 |
| Southeast Community Park | 6,000.0 | 150.0 | 5,850.0 |
| Udall Park Sport Fields[3] | 2,500.0 | 40.0 | 2,460.0 |
| | **$ 26,982.0** | **$ 617.0** | **$ 24,965.0** |
| **Projects to be Administered by Pima County** | | | |
| Aqua Caliente Open Space | 5,000.0 | | |
| Fort Lowell Acquisition and San Pedro Chapel | 3,000.0 | | |
| Habitat at 36th and Kino | 1,000.0 | | |
| Pantano Linear Park (22nd to Michael Perry Park) | 3,500.0 | | |
| Rillito River Linear Park Completion | 3,000.0 | | |
| Santa Cruz River Park (Ajo to 29th Street) | 14,000.0 | | |
| Santa Cruz River Park (Grant to El Camino del Cerro) | 2,700.0 | | |
| 36th Street Corridor Open Space | 5,000.0 | | |
| | **$ 37,200.0** | | |
| **Total of Projects within the City of Tucson** | **$ 64,182.0** | | |

[1]Pima County's administrative charges are negotiated during the development of each project's intergovernmental agreement (IGA). Based on past IGAs, these figures reflect a 2.5% charge unless otherwise noted.

[2]Project is being transferred to Department of Transportation.

[3]The IGA for this project has an administrative charge of 1.6%.


Parks and Recreation
1
2
3
4
5
6
WADE
SILVERBELL
CASA GRANDE
INA
SHANNON
ORANGE GROVE
SKYLINE
SUNSET
SUNRISE
GOLDEN GATE
RUTHRAUFF
SNYDER
CATALINA
SWEETWATER
RIVER
SABINO CANYON
PRINCE
CLOUD
BEAR CANYON
HARRISON
SOLDIER
CAMINO DE OESTE
FORT LOWELL
IRONWOOD HILL
FLOWING WELLS
1ST
CAMPBELL
COUNTRY CLUB
SWAN
GRANT
PIMA
WILMOT
TANQUE VERDE
REDINGTON
WENTWORTH
SPEEDWAY
GATES PASS
ANKLAM
STONE
EUCLID
5TH
GRAYCROFT
PANTANO
BROADWAY
STARR PASS
22ND
29TH
AVIATION
GOLF LINKS
WELPOMENE
FREEMAN
KINNEY
36TH
I10 RAMP
BOPP
PARK
KINO
ESCALANTE
SYNDER HILL ROAD
IRVINGTON
KOLB
CAMINO SECO
PALO VERDE
I10 RAMP
BENSON
HOUGHTON
JOSEPH
DREXEL
12TH
MIDVALE PARK
TUCSON
VALENCIA
MARK
CARDINAL
ALVERNON
LOS REALES
I10 BENSON
I10 RAMP
OLD SPANISH
MISSION
6TH AV EXTENSION
NOGALES
OLD VAIL
CAMINO LOMA ALTA
I10 RITA
ROCKET
OLD VAIL CONNECTION
COLOSSAL CAVE
I19 RAMP
I19
DAWN
MARSH STATI
I10 RAMP BENSON
PIMA MINE
ANDRADA
SONOITA
WETSTONES

**Map Legend**

**Parks and Recreation**

| | Project Name | Year to be Completed | | Project Name | Year to be Completed |
|---|---|---|---|---|---|
| 1. | Cherry Avenue Center Expansion, Phase I | FY 2009 | 4. | Davidson School Park | FY 2009 |
| 2. | Christopher Columbus Park Expansion | FY 2009 | 5. | Northside Recreation Center | FY 2011 |
| 3. | Clements Senior Center Recreation Facility | FY 2009 | 6. | Tucson Children's Museum Renovations | FY 2010 |

# Parks and Recreation

## Five-Year Capital Improvement Program

**($000)**

| Program Area | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| Parks and Recreation - Parks Development | 5,677.1 | 8,446.4 | 10,104.4 | **18,550.8** | 17,138.5 | 6,408.0 | 1,500.0 | 1,500.0 | **45,097.3** | - | **50,774.4** |
| Parks and Recreation - Zoo Improvements | 576.0 | 424.0 | - | **424.0** | 8,500.0 | - | - | - | **8,924.0** | - | **9,500.0** |
| **Department Total** | **6,253.1** | **8,870.4** | **10,104.4** | **18,974.8** | **25,638.5** | **6,408.0** | **1,500.0** | **1,500.0** | **54,021.3** | **-** | **60,274.4** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 General Obligation Bond Funds | 1,567.5 | 941.0 | 2,231.1 | **3,172.1** | 216.3 | - | - | - | **3,388.4** | - | 4,955.9 |
| Capital Agreement Fund: Pima County Bonds | 2,230.2 | 5,511.9 | 5,023.3 | **10,535.2** | 14,827.7 | 6,408.0 | 1,500.0 | 1,500.0 | **34,770.9** | - | 37,001.1 |
| Capital Improvement Fund | 576.0 | 424.0 | - | **424.0** | 3,750.0 | - | - | - | **4,174.0** | - | 4,750.0 |
| Civic Contributions Fund | 5.0 | - | 636.0 | **636.0** | - | - | - | - | **636.0** | - | 641.0 |
| Future General Obligation Bonds | - | - | - | **-** | 5,198.4 | - | - | - | **5,198.4** | - | 5,198.4 |
| General Fund | 1.6 | - | - | **-** | - | - | - | - | **-** | - | 1.6 |
| General Fund: Restricted Revenues | 57.0 | 138.0 | 200.0 | **338.0** | - | - | - | - | **338.0** | - | 395.0 |
| Miscellaneous Non-Federal Grants | - | - | 316.0 | **316.0** | 250.0 | - | - | - | **566.0** | - | 566.0 |
| Regional Transportation Authority Fund | - | - | 1,000.0 | **1,000.0** | - | - | - | - | **1,000.0** | - | 1,000.0 |
| Road & Park Impact Fee Fund: Central District | 359.6 | 270.0 | 84.5 | **354.5** | 260.2 | - | - | - | **614.7** | - | 974.3 |
| Road & Park Impact Fee Fund: East District | 139.8 | 475.0 | 35.2 | **510.2** | 245.5 | - | - | - | **755.7** | - | 895.5 |
| Road & Park Impact Fee Fund: Southeast District | 266.4 | 282.8 | 378.3 | **661.1** | 325.4 | - | - | - | **986.5** | - | 1,252.9 |
| Road & Park Impact Fee Fund: Southlands District | 225.0 | 626.5 | - | **626.5** | 565.0 | - | - | - | **1,191.5** | - | 1,416.5 |
| Road & Park Impact Fee Fund: West District | 825.0 | 201.2 | 200.0 | **401.2** | - | - | - | - | **401.2** | - | 1,226.2 |
| **Department Total** | **6,253.1** | **8,870.4** | **10,104.4** | **18,974.8** | **25,638.5** | **6,408.0** | **1,500.0** | **1,500.0** | **54,021.3** | **-** | **60,274.4** |

# Parks and Recreation - Parks Development

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **A Mountain Improvement** | | | | | | | | | | | |
| General Fund: Restricted Revenues | 57.0 | 138.0 | - | **138.0** | - | - | - | - | **138.0** | - | 195.0 |
| | **57.0** | **138.0** | **-** | **138.0** | **-** | **-** | **-** | **-** | **138.0** | **-** | **195.0** |
| **Alamo Wash Trail** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | - | - | 217.8 | **217.8** | - | - | - | - | **217.8** | - | 217.8 |
| | **-** | **-** | **217.8** | **217.8** | **-** | **-** | **-** | **-** | **217.8** | **-** | **217.8** |
| **Arcadia Park, Phase I** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: East District | 64.8 | 400.0 | 35.2 | **435.2** | - | - | - | - | **435.2** | - | 500.0 |
| | **64.8** | **400.0** | **35.2** | **435.2** | **-** | **-** | **-** | **-** | **435.2** | **-** | **500.0** |
| **Arroyo Chico Urban Path: Campbell/Parkway** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 75.0 | - | 100.0 | **100.0** | 400.0 | 400.0 | - | - | **900.0** | - | 975.0 |
| | **75.0** | **-** | **100.0** | **100.0** | **400.0** | **400.0** | **-** | **-** | **900.0** | **-** | **975.0** |
| **Arroyo Chico Urban Pathway** | | | | | | | | | | | |
| Regional Transportation Authority Fund | - | - | 1,000.0 | **1,000.0** | - | - | - | - | **1,000.0** | - | 1,000.0 |
| Road & Park Impact Fee Fund: Central District | 129.6 | - | - | **-** | 260.2 | - | - | - | **260.2** | - | 389.8 |
| | **129.6** | **-** | **1,000.0** | **1,000.0** | **260.2** | **-** | **-** | **-** | **1,260.2** | **-** | **1,389.8** |
| **Atterbury Wash Sanctuary Expansion** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 100.0 | 354.7 | 115.3 | **470.0** | 450.0 | 150.0 | - | - | **1,070.0** | - | 1,170.0 |
| | **100.0** | **354.7** | **115.3** | **470.0** | **450.0** | **150.0** | **-** | **-** | **1,070.0** | **-** | **1,170.0** |
| **Catalina Park Integrated Play Area** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | 100.0 | **100.0** | 284.3 | - | - | - | **384.3** | - | 384.3 |
| | **-** | **-** | **100.0** | **100.0** | **284.3** | **-** | **-** | **-** | **384.3** | **-** | **384.3** |
| **Cherry Avenue Center Expansion, Phase I** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: West District | 175.0 | 51.2 | - | **51.2** | - | - | - | - | **51.2** | - | 226.2 |
| | **175.0** | **51.2** | **-** | **51.2** | **-** | **-** | **-** | **-** | **51.2** | **-** | **226.2** |

# Parks and Recreation - Parks Development

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Christopher Columbus Park Expansion** | | | | | | | | | | | |
| Civic Contributions Fund | - | - | 98.0 | **98.0** | - | - | - | - | **98.0** | - | 98.0 |
| Road & Park Impact Fee Fund: West District | 500.0 | - | - | **-** | - | - | - | - | **-** | - | 500.0 |
| | **500.0** | **-** | **98.0** | **98.0** | **-** | **-** | **-** | **-** | **98.0** | **-** | **598.0** |
| **Clements Senior Center Recreation Facility** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | 64.7 | 359.0 | 1,076.3 | **1,435.3** | - | - | - | - | **1,435.3** | - | 1,500.0 |
| | **64.7** | **359.0** | **1,076.3** | **1,435.3** | **-** | **-** | **-** | **-** | **1,435.3** | **-** | **1,500.0** |
| **Davidson School Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | 500.0 |
| | **-** | **-** | **500.0** | **500.0** | **-** | **-** | **-** | **-** | **500.0** | **-** | **500.0** |
| **El Pueblo Center Expansion, Phase I** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | - | - | 10.0 | **10.0** | - | - | - | - | **10.0** | - | 10.0 |
| Road & Park Impact Fee Fund: West District | 150.0 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | 200.0 |
| | **150.0** | **50.0** | **10.0** | **60.0** | **-** | **-** | **-** | **-** | **60.0** | **-** | **210.0** |
| **Enchanted Hills Wash Trail** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | - | - | 100.0 | **100.0** | - | - | - | - | **100.0** | - | 100.0 |
| | **-** | **-** | **100.0** | **100.0** | **-** | **-** | **-** | **-** | **100.0** | **-** | **100.0** |
| **General Instruments Site Improvements** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | 8.7 | - | - | **-** | 191.3 | - | - | - | **191.3** | - | 200.0 |
| | **8.7** | **-** | **-** | **-** | **191.3** | **-** | **-** | **-** | **191.3** | **-** | **200.0** |
| **Grijalva School Park** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | 800.0 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | 1,000.0 |
| Capital Agreement Fund: Pima County Bonds | 146.3 | - | - | **-** | - | - | - | - | **-** | - | 146.3 |
| | **946.3** | **200.0** | **-** | **200.0** | **-** | **-** | **-** | **-** | **200.0** | **-** | **1,146.3** |

# Parks and Recreation - Parks Development

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Herrera Quiroz (Oury) Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | 395.0 | **395.0** | - | - | - | - | **395.0** | - | 395.0 |
| | **-** | **-** | **395.0** | **395.0** | **-** | **-** | **-** | **-** | **395.0** | **-** | **395.0** |
| **Jacinto Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 153.3 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | 203.3 |
| Civic Contributions Fund | 5.0 | - | - | **-** | - | - | - | - | **-** | - | 5.0 |
| | **158.3** | **50.0** | **-** | **50.0** | **-** | **-** | **-** | **-** | **50.0** | **-** | **208.3** |
| **Juhan Park Expansion** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | 131.0 | **131.0** | - | - | - | - | **131.0** | - | 131.0 |
| Miscellaneous Non-Federal Grants | - | - | 316.0 | **316.0** | - | - | - | - | **316.0** | - | 316.0 |
| Road & Park Impact Fee Fund: West District | - | 100.0 | 200.0 | **300.0** | - | - | - | - | **300.0** | - | 300.0 |
| | **-** | **100.0** | **647.0** | **747.0** | **-** | **-** | **-** | **-** | **747.0** | **-** | **747.0** |
| **Julian Wash Linear Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 421.5 | 879.1 | 1,390.0 | **2,269.1** | 916.9 | - | - | - | **3,186.0** | - | 3,607.5 |
| | **421.5** | **879.1** | **1,390.0** | **2,269.1** | **916.9** | **-** | **-** | **-** | **3,186.0** | **-** | **3,607.5** |
| **Lincoln Park Area Maintenance Compound** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | - | - | 16.6 | **16.6** | - | - | - | - | **16.6** | - | 16.6 |
| Future General Obligation Bonds | - | - | - | **-** | 448.4 | - | - | - | **448.4** | - | 448.4 |
| | **-** | **-** | **16.6** | **16.6** | **448.4** | **-** | **-** | **-** | **465.0** | **-** | **465.0** |
| **Lincoln Park Expansion, Phase I** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | - | - | 122.6 | **122.6** | - | - | - | - | **122.6** | - | 122.6 |
| Road & Park Impact Fee Fund: Southeast District | 117.2 | 32.8 | 52.9 | **85.7** | - | - | - | - | **85.7** | - | 202.9 |
| | **117.2** | **32.8** | **175.5** | **208.3** | **-** | **-** | **-** | **-** | **208.3** | **-** | **325.5** |
| **Lincoln Park Sport Fields** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 35.0 | 465.0 | 130.0 | **595.0** | 2,782.5 | - | - | - | **3,377.5** | - | 3,412.5 |
| General Fund | 1.3 | - | - | **-** | - | - | - | - | **-** | - | 1.3 |
| | **36.3** | **465.0** | **130.0** | **595.0** | **2,782.5** | **-** | **-** | **-** | **3,377.5** | **-** | **3,413.8** |

# Parks and Recreation - Parks Development

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Mendoza Memorial Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 45.0 | 30.0 | - | **30.0** | - | - | - | - | **30.0** | - | 75.0 |
| Civic Contributions Fund | - | - | 60.0 | **60.0** | - | - | - | - | **60.0** | - | 60.0 |
| | **45.0** | **30.0** | **60.0** | **90.0** | **-** | **-** | **-** | **-** | **90.0** | **-** | **135.0** |
| **Menlo Park Improvements** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | - | **-** | 260.0 | - | - | - | **260.0** | - | 260.0 |
| | **-** | **-** | **-** | **-** | **260.0** | **-** | **-** | **-** | **260.0** | **-** | **260.0** |
| **Navajo Wash Trail** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | - | - | 200.7 | **200.7** | - | - | - | - | **200.7** | - | 200.7 |
| | **-** | **-** | **200.7** | **200.7** | **-** | **-** | **-** | **-** | **200.7** | **-** | **200.7** |
| **New Comfort Stations** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | 644.1 | - | 409.1 | **409.1** | - | - | - | - | **409.1** | - | 1,053.2 |
| | **644.1** | **-** | **409.1** | **409.1** | **-** | **-** | **-** | **-** | **409.1** | **-** | **1,053.2** |
| **Northside Recreation Center** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 200.0 | 575.5 | - | **575.5** | 1,825.0 | 2,762.0 | - | - | **5,162.5** | - | 5,362.5 |
| | **200.0** | **575.5** | **-** | **575.5** | **1,825.0** | **2,762.0** | **-** | **-** | **5,162.5** | **-** | **5,362.5** |
| **Ormsby Park Expansion Plan** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: Central District | 80.0 | 20.0 | - | **20.0** | - | - | - | - | **20.0** | - | 100.0 |
| | **80.0** | **20.0** | **-** | **20.0** | **-** | **-** | **-** | **-** | **20.0** | **-** | **100.0** |
| **Pascua Neighborhood: Land Acquisition** | | | | | | | | | | | |
| Civic Contributions Fund | - | - | 328.0 | **328.0** | - | - | - | - | **328.0** | - | 328.0 |
| | **-** | **-** | **328.0** | **328.0** | **-** | **-** | **-** | **-** | **328.0** | **-** | **328.0** |
| **Performing Arts Center** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 550.0 | 75.0 | 40.0 | **115.0** | - | - | - | - | **115.0** | - | 665.0 |
| | **550.0** | **75.0** | **40.0** | **115.0** | **-** | **-** | **-** | **-** | **115.0** | **-** | **665.0** |

# Parks and Recreation - Parks Development

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Pima County Bond Project Capacity** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | - | - | 1,500.0 | **1,500.0** | 1,500.0 | 1,500.0 | 1,500.0 | 1,500.0 | **7,500.0** | - | 7,500.0 |
| | **-** | **-** | **1,500.0** | **1,500.0** | **1,500.0** | **1,500.0** | **1,500.0** | **1,500.0** | **7,500.0** | **-** | **7,500.0** |
| **Purple Heart Park Expansion** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: Southeast District | 149.2 | - | 325.4 | **325.4** | 325.4 | - | - | - | **650.8** | - | 800.0 |
| | **149.2** | **-** | **325.4** | **325.4** | **325.4** | **-** | **-** | **-** | **650.8** | **-** | **800.0** |
| **Reid Park Expansion, Phase 1** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | - | - | 28.0 | **28.0** | - | - | - | - | **28.0** | - | 28.0 |
| Road & Park Impact Fee Fund: Central District | 100.0 | 200.0 | 84.5 | **284.5** | - | - | - | - | **284.5** | - | 384.5 |
| | **100.0** | **200.0** | **112.5** | **312.5** | **-** | **-** | **-** | **-** | **312.5** | **-** | **412.5** |
| **Reuse of Landfill Areas** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | - | 207.0 | - | **207.0** | - | - | - | - | **207.0** | - | 207.0 |
| | **-** | **207.0** | **-** | **207.0** | **-** | **-** | **-** | **-** | **207.0** | **-** | **207.0** |
| **Rio Vista Park Expansion** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 190.4 | 762.5 | 509.6 | **1,272.1** | - | - | - | - | **1,272.1** | - | 1,462.5 |
| | **190.4** | **762.5** | **509.6** | **1,272.1** | **-** | **-** | **-** | **-** | **1,272.1** | **-** | **1,462.5** |
| **Robb Wash Trail** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | - | - | 50.0 | **50.0** | 25.0 | - | - | - | **75.0** | - | 75.0 |
| | **-** | **-** | **50.0** | **50.0** | **25.0** | **-** | **-** | **-** | **75.0** | **-** | **75.0** |
| **Santa Cruz River Sports Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 5.0 | - | - | **-** | 823.7 | - | - | - | **823.7** | - | 828.7 |
| | **5.0** | **-** | **-** | **-** | **823.7** | **-** | **-** | **-** | **823.7** | **-** | **828.7** |
| **Santa Rita Skate Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 1.5 | 148.5 | - | **148.5** | - | - | - | - | **148.5** | - | 150.0 |
| General Fund | 0.3 | - | - | **-** | - | - | - | - | **-** | - | 0.3 |
| | **1.8** | **148.5** | **-** | **148.5** | **-** | **-** | **-** | **-** | **148.5** | **-** | **150.3** |

# Parks and Recreation - Parks Development

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Silverlake Park Soccer Field Lighting Design** | | | | | | | | | | | |
| Civic Contributions Fund | - | - | 150.0 | **150.0** | - | - | - | - | **150.0** | - | 150.0 |
| Miscellaneous Non-Federal Grants | - | - | - | **-** | 250.0 | - | - | - | **250.0** | - | 250.0 |
| Road & Park Impact Fee Fund: Central District | 50.0 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | 100.0 |
| | **50.0** | **50.0** | **150.0** | **200.0** | **250.0** | **-** | **-** | **-** | **450.0** | **-** | **500.0** |
| **South Central Community Park, Phase I** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: East District | 75.0 | 75.0 | - | **75.0** | 245.5 | - | - | - | **320.5** | - | 395.5 |
| Road & Park Impact Fee Fund: Southeast District | - | 250.0 | - | **250.0** | - | - | - | - | **250.0** | - | 250.0 |
| | **75.0** | **325.0** | **-** | **325.0** | **245.5** | **-** | **-** | **-** | **570.5** | **-** | **645.5** |
| **Southeast Community Park** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 21.0 | 2,002.0 | - | **2,002.0** | 2,231.0 | 1,596.0 | - | - | **5,829.0** | - | 5,850.0 |
| | **21.0** | **2,002.0** | **-** | **2,002.0** | **2,231.0** | **1,596.0** | **-** | **-** | **5,829.0** | **-** | **5,850.0** |
| **St. John's Park** | | | | | | | | | | | |
| General Fund: Restricted Revenues | - | - | 200.0 | **200.0** | - | - | - | - | **200.0** | - | 200.0 |
| | **-** | **-** | **200.0** | **200.0** | **-** | **-** | **-** | **-** | **200.0** | **-** | **200.0** |
| **Trail System Master Plan** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | 50.0 | 175.0 | - | **175.0** | - | - | - | - | **175.0** | - | 225.0 |
| | **50.0** | **175.0** | **-** | **175.0** | **-** | **-** | **-** | **-** | **175.0** | **-** | **225.0** |
| **Tucson Children's Museum Renovations** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 211.2 | 22.0 | - | **22.0** | 1,229.3 | - | - | - | **1,251.3** | - | 1,462.5 |
| | **211.2** | **22.0** | **-** | **22.0** | **1,229.3** | **-** | **-** | **-** | **1,251.3** | **-** | **1,462.5** |
| **Udall Park Sport Fields** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 75.0 | 147.6 | 112.4 | **260.0** | 2,125.0 | - | - | - | **2,385.0** | - | 2,460.0 |
| | **75.0** | **147.6** | **112.4** | **260.0** | **2,125.0** | **-** | **-** | **-** | **2,385.0** | **-** | **2,460.0** |

# Parks and Recreation - Parks Development

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Valencia Corridor Facilities Plan** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: Southlands District | 125.0 | 125.0 | - | **125.0** | - | - | - | - | **125.0** | - | 250.0 |
| | **125.0** | **125.0** | **-** | **125.0** | **-** | **-** | **-** | **-** | **125.0** | **-** | **250.0** |
| **Valencia Corridor Land Acquisition, Phase I** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: Southlands District | - | 301.5 | - | **301.5** | 565.0 | - | - | - | **866.5** | - | 866.5 |
| | **-** | **301.5** | **-** | **301.5** | **565.0** | **-** | **-** | **-** | **866.5** | **-** | **866.5** |
| **Valencia and Alvernon Community Park, Phase I** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: Southlands District | 100.0 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | 300.0 |
| | **100.0** | **200.0** | **-** | **200.0** | **-** | **-** | **-** | **-** | **200.0** | **-** | **300.0** |
| **Program Area Total** | **5,677.1** | **8,446.4** | **10,104.4** | **18,550.8** | **17,138.5** | **6,408.0** | **1,500.0** | **1,500.0** | **45,097.3** | **-** | **50,774.4** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 General Obligation Bond Funds | 1,567.5 | 941.0 | 2,231.1 | **3,172.1** | 216.3 | - | - | - | **3,388.4** | - | 4,955.9 |
| Capital Agreement Fund: Pima County Bonds | 2,230.2 | 5,511.9 | 5,023.3 | **10,535.2** | 14,827.7 | 6,408.0 | 1,500.0 | 1,500.0 | **34,770.9** | - | 37,001.1 |
| Civic Contributions Fund | 5.0 | - | 636.0 | **636.0** | - | - | - | - | **636.0** | - | 641.0 |
| Future General Obligation Bonds | - | - | - | **-** | 448.4 | - | - | - | **448.4** | - | 448.4 |
| General Fund | 1.6 | - | - | **-** | - | - | - | - | **-** | - | 1.6 |
| General Fund: Restricted Revenues | 57.0 | 138.0 | 200.0 | **338.0** | - | - | - | - | **338.0** | - | 395.0 |
| Miscellaneous Non-Federal Grants | - | - | 316.0 | **316.0** | 250.0 | - | - | - | **566.0** | - | 566.0 |
| Regional Transportation Authority Fund | - | - | 1,000.0 | **1,000.0** | - | - | - | - | **1,000.0** | - | 1,000.0 |
| Road & Park Impact Fee Fund: Central District | 359.6 | 270.0 | 84.5 | **354.5** | 260.2 | - | - | - | **614.7** | - | 974.3 |
| Road & Park Impact Fee Fund: East District | 139.8 | 475.0 | 35.2 | **510.2** | 245.5 | - | - | - | **755.7** | - | 895.5 |
| Road & Park Impact Fee Fund: Southeast District | 266.4 | 282.8 | 378.3 | **661.1** | 325.4 | - | - | - | **986.5** | - | 1,252.9 |
| Road & Park Impact Fee Fund: Southlands District | 225.0 | 626.5 | - | **626.5** | 565.0 | - | - | - | **1,191.5** | - | 1,416.5 |
| Road & Park Impact Fee Fund: West District | 825.0 | 201.2 | 200.0 | **401.2** | - | - | - | - | **401.2** | - | 1,226.2 |
| **Program Area Total** | **5,677.1** | **8,446.4** | **10,104.4** | **18,550.8** | **17,138.5** | **6,408.0** | **1,500.0** | **1,500.0** | **45,097.3** | **-** | **50,774.4** |

# Parks and Recreation - Parks Development

($000)

## A Mountain Improvement

**Project ID:** R990
**Start Date:** 12/07
**End Date:** 6/09
**Location:** Ward 1

**Description:**
Develop a master plan, design, and construct Americans with Disabilities Act (ADA) and safety improvements to public facilities in A Mountain Park.

**Justification:**
A Mountain Park has regional significance, and this project will benefit and address the community's need for open space, passive recreation, and natural/historic resource preservation and interpretation.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| General Fund: Restricted Revenues | 57.0 | 138.0 | - | **138.0** | - | - | - | - | **138.0** | - | **195.0** |
| **Total** | 57.0 | 138.0 | - | **138.0** | - | - | - | - | **138.0** | - | **195.0** |

## Alamo Wash Trail

**Project ID:** R94D
**Start Date:** 7/08
**End Date:** 6/09
**Location:** Ward 6

**Description:**
Acquire land, plan, and design a new linear park along Alamo Wash. Construction will be dependent on funding availability and land costs.

**Justification:**
Development of these improvements will address the community's need for connectivity and a more complete urban trail system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | - | - | 217.8 | **217.8** | - | - | - | - | **217.8** | - | **217.8** |
| **Total** | - | - | 217.8 | **217.8** | - | - | - | - | **217.8** | - | **217.8** |

# Parks and Recreation - Parks Development

($000)

## Arcadia Park, Phase I

**Project ID:** RM01
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 6

**Description:**
Acquire land, plan, design, and construct the initial phase of a new park. Arcadia Park will link two small existing parks and create a greenway along the Arcadia Wash. This project is part of a multi-phase development; future phases are contingent upon future city and/or county bonds or other revenues.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Road & Park Impact Fee Fund: East District | 64.8 | 400.0 | 35.2 | **435.2** | - | - | - | - | **435.2** | - | **500.0** |
| **Total** | 64.8 | 400.0 | 35.2 | **435.2** | - | - | - | - | **435.2** | - | **500.0** |

## Arroyo Chico Urban Path: Campbell/Parkway

**Project ID:** RP1B
**Start Date:** 7/08
**End Date:** 6/11
**Location:** Wards 5 and 6

**Description:**
Design and acquire land for a trail system connecting Campbell Avenue and Parkway Terrace. An intergovernmental agreement with Pima County was approved in April 2007. Construction of this segment is contingent upon funding availability. The original Pima County 2004 bond allocation of $1 million has been reduced by $25,000 for estimated Pima County administrative charges.

**Justification:**
Development of these improvements will address the community's need for connectivity and a more complete urban pathway system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 75.0 | - | 100.0 | **100.0** | 400.0 | 400.0 | - | - | **900.0** | - | **975.0** |
| **Total** | 75.0 | - | 100.0 | **100.0** | 400.0 | 400.0 | - | - | **900.0** | - | **975.0** |

# Parks and Recreation - Parks Development

($000)

## Arroyo Chico Urban Pathway

**Project ID:** RP01
**Start Date:** 7/07
**End Date:** 6/10
**Location:** Ward 6

**Description:**
Design and construct a trail system connecting downtown Tucson with Reid Park and the University of Arizona.

**Justification:**
Development of these improvements will address the community's need for connectivity and a more complete urban pathway system. This project is identified in the City of Tucson Parks and Recreation Strategic Service Plan and the Eastern Pima County Trails System Master Plan.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Regional Transportation Authority Fund | - | - | 1,000.0 | **1,000.0** | - | - | - | - | **1,000.0** | - | **1,000.0** |
| Road & Park Impact Fee Fund: Central District | 129.6 | - | - | **-** | 260.2 | - | - | - | **260.2** | - | **389.8** |
| **Total** | 129.6 | - | 1,000.0 | **1,000.0** | 260.2 | - | - | - | **1,260.2** | - | **1,389.8** |

## Atterbury Wash Sanctuary Expansion

**Project ID:** RP02
**Start Date:** 10/07
**End Date:** 10/10
**Location:** Ward 4

**Description:**
Plan, design, and construct an expansion of the existing trail system in Lincoln Park and passive recreation amenities along the wash. An intergovernmental agreement with Pima County was approved in March 2007. The original Pima County 2004 bond allocation of $2 million has been reduced by $30,000 for estimated Pima County administrative charges. An amendment to the County Bond Ordinance reduced the budget by $800,000, since land acquisition was not required. The $800,000 was reallocated to the Pantano River project administered by Pima County.

**Justification:**
This project, which is identified in the City of Tucson Parks and Recreation Strategic Service Plan and the Eastern Pima County Trail System Master Plan, will preserve an important wildlife corridor and riparian area.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 100.0 | 354.7 | 115.3 | **470.0** | 450.0 | 150.0 | - | - | **1,070.0** | - | **1,170.0** |
| **Total** | 100.0 | 354.7 | 115.3 | **470.0** | 450.0 | 150.0 | - | - | **1,070.0** | - | **1,170.0** |

# Parks and Recreation - Parks Development

($000)

## Catalina Park Integrated Play Area

**Project ID:** R100
**Start Date:** 7/08
**End Date:** 6/10
**Location:** Ward 3

**Description:**
Design and construct improvements to Catalina Park including a "splash pad", new play structure, a shaded seating and observation area, ADA (Americans with Disabilities Act) access improvements, and unified hardscape and landscaping.

**Justification:**
This park is used by many groups, but is under utilized by local residents. A revitalized park would provide a safe, pleasant space for families and organizations.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | - | - | 100.0 | **100.0** | 284.3 | - | - | - | **384.3** | - | **384.3** |
| **Total** | - | - | 100.0 | **100.0** | 284.3 | - | - | - | **384.3** | - | **384.3** |

## Cherry Avenue Center Expansion, Phase I

**Project ID:** RM02
**Start Date:** 7/07
**End Date:** 8/08
**Location:** Ward 5

**Description:**
Design improvements based on the center's master plan. Construction is contingent upon future bonds or other revenues.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Road & Park Impact Fee Fund: West District | 175.0 | 51.2 | - | **51.2** | - | - | - | - | **51.2** | - | **226.2** |
| **Total** | 175.0 | 51.2 | - | **51.2** | - | - | - | - | **51.2** | - | **226.2** |

# Parks and Recreation - Parks Development

($000)

## Christopher Columbus Park Expansion

**Project ID:** RM03
**Start Date:** 3/07
**End Date:** 1/09
**Location:** Ward 1

**Description:**
Design and construct improvements to the north end of Christopher Columbus Park. This project will complement and expand upon a Pima County 2004 Bond project.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Civic Contributions Fund | - | - | 98.0 | **98.0** | - | - | - | - | **98.0** | - | **98.0** |
| Road & Park Impact Fee Fund: West District | 500.0 | - | - | **-** | - | - | - | - | **-** | - | **500.0** |
| **Total** | 500.0 | - | 98.0 | **98.0** | - | - | - | - | **98.0** | - | **598.0** |

## Clements Senior Center Recreation Facility

**Project ID:** R921
**Start Date:** 7/07
**End Date:** 6/10
**Location:** Ward 4

**Description:**
Develop a master plan, and design the initial phase of a new senior center recreation facility on the city's eastside. Formerly titled "Eastside Senior Center Recreation Facility," this project will be built at Clements Center. A search for a suitable site determined that the location in Lincoln Park will provide the greatest benefit to seniors on the city's eastside. Construction of this project is contingent upon additional funding sources.

**Justification:**
This project will expand senior recreational and social services in an area of high demand.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | 64.7 | 359.0 | 1,076.3 | **1,435.3** | - | - | - | - | **1,435.3** | - | **1,500.0** |
| **Total** | 64.7 | 359.0 | 1,076.3 | **1,435.3** | - | - | - | - | **1,435.3** | - | **1,500.0** |

# Parks and Recreation - Parks Development

($000)

## Davidson School Park

**Project ID:** RP18
**Start Date:** 9/06
**End Date:** 8/08
**Location:** Ward 3

**Description:**
Design and construct an education and resource park at Davidson Elementary School, including five ramadas, a walking path, community garden, and plant communities indigenous to specific biomes. If funding allows, a jogging and exercise path with fitness stations will be provided.

**Justification:**
This park facility will provide a unique setting for educational uses for the school, as well as providing a neighborhood park facility. The park is located near the Rillito River, which will provide access from the river to the park for residents.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | - | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | **500.0** |
| **Total** | - | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | **500.0** |

## El Pueblo Center Expansion, Phase I

**Project ID:** RM04
**Start Date:** 7/07
**End Date:** 9/08
**Location:** Ward 5

**Description:**
Design improvements based on the center's master plan. Construction is contingent upon future bonds or other revenues.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | - | - | 10.0 | **10.0** | - | - | - | - | **10.0** | - | **10.0** |
| Road & Park Impact Fee Fund: West District | 150.0 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **200.0** |
| **Total** | 150.0 | 50.0 | 10.0 | **60.0** | - | - | - | - | **60.0** | - | **210.0** |

# Parks and Recreation - Parks Development

($000)

## Enchanted Hills Wash Trail

**Project ID:** R94C
**Start Date:** 1/08
**End Date:** 6/09
**Location:** Ward 1

**Description:**
Acquire land in conjunction with Pima County to include the Enchanted Hills Wash as part of an urban trail system.

**Justification:**
Development of this land will address the community's need for connectivity and a more complete urban trail system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | - | - | 100.0 | **100.0** | - | - | - | - | **100.0** | - | **100.0** |
| **Total** | - | - | 100.0 | **100.0** | - | - | - | - | **100.0** | - | **100.0** |

## General Instruments Site Improvements

**Project ID:** R032
**Start Date:** 7/06
**End Date:** 6/10
**Location:** Ward 1

**Description:**
Design and construct a passive natural resource park area adjacent to Anklam Wash on the city's westside. After environmental remediation of the site, additional funding may be needed for development of this park.

**Justification:**
This project will provide natural resource park areas adjacent to neighborhoods and will allow for connectivity to other park areas.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | 8.7 | - | - | **-** | 191.3 | - | - | - | **191.3** | - | **200.0** |
| **Total** | 8.7 | - | - | **-** | 191.3 | - | - | - | **191.3** | - | **200.0** |

# Parks and Recreation - Parks Development

($000)

## Grijalva School Park

**Project ID:** R984
**Start Date:** 7/07
**End Date:** 12/08
**Location:** Ward 1

**Description:**
Design and construct a school park in partnership with Midvale Neighborhood, Tucson Unified School District (TUSD), and Pima County. The Pima County bond funds are specifically targeted for the design and construction of a children's playground. An intergovermental agreement with Pima County was approved in August 2007.

**Justification:**
Currently, there is a shortage of parks and recreation facilities in this part of the community. This project is a collaborative effort to address the shortage.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | 800.0 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | **1,000.0** |
| Capital Agreement Fund: Pima County Bonds | 146.3 | - | - | **-** | - | - | - | - | **-** | - | **146.3** |
| **Total** | 946.3 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | **1,146.3** |

## Herrera Quiroz (Oury) Park

**Project ID:** R996
**Start Date:** 1/07
**End Date:** 10/09
**Location:** Ward 1

**Description:**
Design and construct a lighted, double basketball court with a cover, a concrete viewing stage, and bleachers. An intergovernmental agreement with Pima County is still pending for the use of county bonds.

**Justification:**
The new lighted court will allow for extended play into the evening hours and will provide space for tournaments, festivals, and other special events.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | - | - | 395.0 | **395.0** | - | - | - | - | **395.0** | - | **395.0** |
| **Total** | - | - | 395.0 | **395.0** | - | - | - | - | **395.0** | - | **395.0** |

# Parks and Recreation - Parks Development

($000)

## Jacinto Park

**Project ID:** R995
**Start Date:** 9/07
**End Date:** 7/08
**Location:** Ward 3

**Description:**
Design and construct a multi-purpose game court with basketball hoop, a walking and jogging path, swing sets, and a ramada with a table and grill.

**Justification:**
This project will provide more amenities to a well-used existing park that serves as a safe recreational area for senior citizens and children in the surrounding neighborhood.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 153.3 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **203.3** |
| Civic Contributions Fund | 5.0 | - | - | **-** | - | - | - | - | **-** | - | **5.0** |
| **Total** | 158.3 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **208.3** |

## Juhan Park Expansion

**Project ID:** RM05
**Start Date:** 7/07
**End Date:** 3/09
**Location:** Ward 1

**Description:**
Design and begin construction of improvements based on the park's master plan. Additional funds are being sought by the softball league for development of fields, lights, and a snackbar. An intergovernmental agreement with Pima County is pending for the transfer of funds from Joaquin Murrieta Park project. Completion of this project will be contingent upon future grant funding.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | - | - | 131.0 | **131.0** | - | - | - | - | **131.0** | - | **131.0** |
| Miscellaneous Non-Federal Grants | - | - | 316.0 | **316.0** | - | - | - | - | **316.0** | - | **316.0** |
| Road & Park Impact Fee Fund: West District | - | 100.0 | 200.0 | **300.0** | - | - | - | - | **300.0** | - | **300.0** |
| **Total** | - | 100.0 | 647.0 | **747.0** | - | - | - | - | **747.0** | - | **747.0** |

# Parks and Recreation - Parks Development

($000)

## Julian Wash Linear Park

**Project ID:** RP05
**Start Date:** 12/06
**End Date:** 3/10
**Location:** Wards 1, 4, and 5

**Description:**
Acquire land and develop segments of the linear park based on the City/County Divided Urban Pathway Standard. An intergovernmental agreement with Pima County was approved in August 2006. The original Pima County 2004 bond allocation of $3.7 million has been reduced by $92,500 for estimated Pima County administrative charges.

**Justification:**
This project is identified in the City of Tucson Parks and Recreation Strategic Service Plan and the Eastern Pima County Trails System Master Plan. The project will provide a pathway system that connects parks, schools, open space, and neighborhoods.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 421.5 | 879.1 | 1,390.0 | **2,269.1** | 916.9 | - | - | - | **3,186.0** | - | **3,607.5** |
| **Total** | 421.5 | 879.1 | 1,390.0 | **2,269.1** | 916.9 | - | - | - | **3,186.0** | - | **3,607.5** |

## Lincoln Park Area Maintenance Compound

**Project ID:** R997
**Start Date:** 7/09
**End Date:** 6/10
**Location:** Ward 4

**Description:**
Design a maintenance compound to replace one eliminated as part of the William Clements Center expansion. Construction of this project is contingent upon future bond revenue.

**Justification:**
This facility is needed to house the maintenance equipment that staff needs to maintain this regional facility.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | - | - | 16.6 | **16.6** | - | - | - | - | **16.6** | - | **16.6** |
| Future General Obligation Bonds | - | - | - | **-** | 448.4 | - | - | - | **448.4** | - | **448.4** |
| **Total** | - | - | 16.6 | **16.6** | 448.4 | - | - | - | **465.0** | - | **465.0** |

# Parks and Recreation - Parks Development

($000)

## Lincoln Park Expansion, Phase I

**Project ID:** RM06
**Start Date:** 7/07
**End Date:** 10/08
**Location:** Ward 4

**Description:**
Design and construct an amphitheater and gazebo at Lincoln Park.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | - | - | 122.6 | **122.6** | - | - | - | - | **122.6** | - | **122.6** |
| Road & Park Impact Fee Fund: Southeast District | 117.2 | 32.8 | 52.9 | **85.7** | - | - | - | - | **85.7** | - | **202.9** |
| **Total** | 117.2 | 32.8 | 175.5 | **208.3** | - | - | - | - | **208.3** | - | **325.5** |

## Lincoln Park Sport Fields

**Project ID:** RP12
**Start Date:** 7/07
**End Date:** 6/10
**Location:** Ward 4

**Description:**
Design and construct a 4-field lighted softball complex, including a comfort station and concession building, picnic facilities, parking, and other associated amenities. The original Pima County 2004 bond allocation of $3.5 million has been reduced by $87,500 for Pima County administrative charges.

**Justification:**
Currently, there is a considerable shortage of sport fields on the eastside of Tucson. This project will provide much needed softball fields and associated amenities.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 35.0 | 465.0 | 130.0 | **595.0** | 2,782.5 | - | - | - | **3,377.5** | - | **3,412.5** |
| General Fund | 1.3 | - | - | **-** | - | - | - | - | **-** | - | **1.3** |
| **Total** | 36.3 | 465.0 | 130.0 | **595.0** | 2,782.5 | - | - | - | **3,377.5** | - | **3,413.8** |

# Parks and Recreation - Parks Development

($000)

## Mendoza Memorial Park

**Project ID:** R983
**Start Date:** 3/07
**End Date:** 6/09
**Location:** Ward 6

**Description:**
Design and construct a neighborhood memorial pocket park at the northwest corner of 18th Street and Convent in Barrio Viejo. The Barrio Viejo Neighborhood Association, in conjunction with the City of Tucson Community Services Department, had a study and concept plan for a neighborhood memorial park prepared in 2003. An intergovernmental agreement with Pima County is pending for the use of Neighborhood Reinvestment Bonds. Due to archaeological issues, an additional $40,000 is needed for completion, if the additional funds are not available some project elements may have to be

**Justification:**
This project provides much need recreational facilities in this neighborhood and honors Diego and Orianda Mendoza.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 45.0 | 30.0 | - | **30.0** | - | - | - | - | **30.0** | - | **75.0** |
| Civic Contributions Fund | - | - | 60.0 | **60.0** | - | - | - | - | **60.0** | - | **60.0** |
| **Total** | 45.0 | 30.0 | 60.0 | **90.0** | - | - | - | - | **90.0** | - | **135.0** |

## Menlo Park Improvements

**Project ID:** R101
**Start Date:** 3/08
**End Date:** 6/09
**Location:** Ward 1

**Description:**
Design and construct a portion of the facilities identified in the Menlo Park Master Plan developed by Parks and Recreation staff and approved by the Menlo Park Neighborhood in April 2007. Facilities to be designed and constructed include a group ramada with picnic tables, seatwalls, and grill; a shade structure over the existing park playground; a shade structure in the swimming pool area; and an entry plaza at the corner of Grande Avenue and Fresno Street.

**Justification:**
This project will provide park facilities for residents living in an area with a shortage of such facilities.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | - | - | - | **-** | 260.0 | - | - | - | **260.0** | - | **260.0** |
| **Total** | - | - | - | **-** | 260.0 | - | - | - | **260.0** | - | **260.0** |

# Parks and Recreation - Parks Development

($000)

## Navajo Wash Trail

**Project ID:** R94E
**Start Date:** 7/08
**End Date:** 6/09
**Location:**

**Description:**
Acquire land, plan, and design the inital phase of a new linear park. Construction of the inital phase will be dependent on funding availability and land costs.

**Justification:**
Development of these improvements will address the community's need for connectivity and a more complete urban trail system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | - | - | 200.7 | **200.7** | - | - | - | - | **200.7** | - | **200.7** |
| **Total** | - | - | 200.7 | **200.7** | - | - | - | - | **200.7** | - | **200.7** |

## New Comfort Stations

**Project ID:** R036
**Start Date:** 7/00
**End Date:** 6/09
**Location:** Citywide

**Description:**
Design and construct comfort stations at various parks that meet Americans with Disabilities Act (ADA) standards.

**Justification:**
New comfort stations are needed at the identified parks due to their high activity levels and inadequate existing units.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | 644.1 | - | 409.1 | **409.1** | - | - | - | - | **409.1** | - | **1,053.2** |
| **Total** | 644.1 | - | 409.1 | **409.1** | - | - | - | - | **409.1** | - | **1,053.2** |

# Parks and Recreation - Parks Development

($000)

## Northside Recreation Center

**Project ID:** RP06
**Start Date:** 9/06
**End Date:** 6/11
**Location:** Ward 3

**Description:**
Plan, design, and construct a recreation center to serve residents living in northwest Tucson. The design of the center will incorporate facilities and standards developed in the City of Tucson Parks and Recreation Strategic Service Plan. An intergovernmental agreement with Pima County was approved in April 2007. The original Pima County 2004 bond allocation of $5.5 million was reduced by $137,500 for Pima County administrative charges.

**Justification:**
This project will address the community's need for recreational facilities, in an area of the community with a shortage of such facilities, as identified by the City of Tucson Parks and Recreation Strategic Service Plan.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 200.0 | 575.5 | - | **575.5** | 1,825.0 | 2,762.0 | - | - | **5,162.5** | - | **5,362.5** |
| **Total** | 200.0 | 575.5 | - | **575.5** | 1,825.0 | 2,762.0 | - | - | **5,162.5** | - | **5,362.5** |

## Ormsby Park Expansion Plan

**Project ID:** RM07
**Start Date:** 7/07
**End Date:** 10/08
**Location:** Ward 1

**Description:**
Develop a concept plan that will guide land acquisition, design, and construction of a multi-phase expansion of Ormsby Park, including an equestrian staging area and trail linkage to Santa Cruz River Park and Origins West area of Rio Nuevo. Design and construction are contingent upon future bonds and potential grants.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Road & Park Impact Fee Fund: Central District | 80.0 | 20.0 | - | **20.0** | - | - | - | - | **20.0** | - | **100.0** |
| **Total** | 80.0 | 20.0 | - | **20.0** | - | - | - | - | **20.0** | - | **100.0** |

# Parks and Recreation - Parks Development

($000)

## Pascua Neighborhood: Land Acquisition

**Project ID:** R993
**Start Date:** 7/08
**End Date:** 6/09
**Location:** Ward 3

**Description:**
Acquire land for recreational purposes by the Pascua Yaqui tribe and surrounding neighborhoods. Funding will be provided by tribal contributions and a Ward 3 Back to Basics allocation. (Back to Basics funding is budgeted in the Department of Neighborhood Resources.)

**Justification:**
This project will help meet the recreational needs of the surrounding community.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Civic Contributions Fund | - | - | 328.0 | **328.0** | - | - | - | - | **328.0** | - | **328.0** |
| **Total** | - | - | 328.0 | **328.0** | - | - | - | - | **328.0** | - | **328.0** |

## Performing Arts Center

**Project ID:** RP08
**Start Date:** 6/07
**End Date:** 9/08
**Location:** Ward 6

**Description:**
Design and construct structural improvements to the 1921 historic building. An intergovernmental agreement was approved by Mayor and Council in April 2007. The original Pima County 2004 general obligation bond allocation of $682,000 has been reduced by $17,000 for estimated Pima County administrative charges.

**Justification:**
The building was found to be structurally unsafe due to deteriorating masonry joints. This project will restore a historic building, which is a vital part of the Armory Park Neighborhood, and provide a suitable venue for emerging theater groups and performing artists.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 550.0 | 75.0 | 40.0 | **115.0** | - | - | - | - | **115.0** | - | **665.0** |
| **Total** | 550.0 | 75.0 | 40.0 | **115.0** | - | - | - | - | **115.0** | - | **665.0** |

# Parks and Recreation - Parks Development

($000)

## Pima County Bond Project Capacity

**Project ID:** RPOC
**Start Date:** 7/07
**End Date:** 6/13
**Location:** Citywide

**Description:**
Budget capacity for potential Pima County Bond and Neighborhood Reinvestment projects funded by the 1997 and 2004 Pima County Bond authorizations.

**Justification:**
These funds provide the City of Tucson the ability to manage the design, land acquisition, and construction of future Pima County Bond and Neighborhood Reinvestment projects within the city's jurisdiction.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | - | - | 1,500.0 | **1,500.0** | 1,500.0 | 1,500.0 | 1,500.0 | 1,500.0 | **7,500.0** | - | **7,500.0** |
| **Total** | - | - | 1,500.0 | **1,500.0** | 1,500.0 | 1,500.0 | 1,500.0 | 1,500.0 | **7,500.0** | - | **7,500.0** |

## Purple Heart Park Expansion

**Project ID:** RM08
**Start Date:** 7/07
**End Date:** 6/10
**Location:** Ward 4

**Description:**
Design and begin construction of sport fields lighting, sport fields, and picnic facilities per the park's master plan. Completion of construction is dependent upon future impact fee allocations.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Road & Park Impact Fee Fund: Southeast District | 149.2 | - | 325.4 | **325.4** | 325.4 | - | - | - | **650.8** | - | **800.0** |
| **Total** | 149.2 | - | 325.4 | **325.4** | 325.4 | - | - | - | **650.8** | - | **800.0** |

# Parks and Recreation - Parks Development

($000)

## Reid Park Expansion, Phase 1

**Project ID:** RM09
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 6

**Description:**
Design and construct a grassy open space and large-event venue north of Reid Lake. This project is part of a multi-phase development. Future phases will include capacity-building improvements to Reid Park, expansion of the Adaptive Recreation Center (ARC), and improvements to Randolph Center that support and complement the ARC. Future phases are contingent upon future bonds and impact fee allocations.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | - | - | 28.0 | **28.0** | - | - | - | - | **28.0** | - | **28.0** |
| Road & Park Impact Fee Fund: Central District | 100.0 | 200.0 | 84.5 | **284.5** | - | - | - | - | **284.5** | - | **384.5** |
| **Total** | 100.0 | 200.0 | 112.5 | **312.5** | - | - | - | - | **312.5** | - | **412.5** |

## Reuse of Landfill Areas

**Project ID:** R941
**Start Date:** 7/05
**End Date:** 6/09
**Location:** Citywide

**Description:**
Design and construct open space improvements to closed landfill sites. Funding in Fiscal Year 2009 will be used to plan the Sonoran Desert Park at the base of A Mountain.

**Justification:**
This project is needed to pursue the beneficial reuse of closed landfill areas for recreation and open space purposes.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | - | 207.0 | - | **207.0** | - | - | - | - | **207.0** | - | **207.0** |
| **Total** | - | 207.0 | - | **207.0** | - | - | - | - | **207.0** | - | **207.0** |

# Parks and Recreation - Parks Development

($000)

## Rio Vista Park Expansion

**Project ID:** RP09
**Start Date:** 1/06
**End Date:** 12/08
**Location:** Ward 3

**Description:**
Design and construct an expansion to the existing natural resource park located at the end of Tucson Boulevard, north of Prince Road. The expansion will include the restoration and revegetation of disturbed areas and passive recreational amenities. An intergovernmental agreement with Pima County was approved in February 2006. The original Pima County 2004 bond allocation of $1.5 million has been reduced by $37,500 for estimated Pima County administrative charges.

**Justification:**
This project will complete the park's master plan and provide leisure facilities identified through a public input process. It addresses community needs identified by the Parks and Recreation Strategic Service Plan.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 190.4 | 762.5 | 509.6 | **1,272.1** | - | - | - | - | **1,272.1** | - | **1,462.5** |
| **Total** | 190.4 | 762.5 | 509.6 | **1,272.1** | - | - | - | - | **1,272.1** | - | **1,462.5** |

## Robb Wash Trail

**Project ID:** R94B
**Start Date:** 7/08
**End Date:** 12/09
**Location:** Ward 2

**Description:**
Design and construct a walking path, picnic site, and related site work along the west side of the Robb Wash north of Speedway Boulevard.

**Justification:**
Development of these improvements will address the community's need for connectivity and a more complete urban trail system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | - | - | 50.0 | **50.0** | 25.0 | - | - | - | **75.0** | - | **75.0** |
| **Total** | - | - | 50.0 | **50.0** | 25.0 | - | - | - | **75.0** | - | **75.0** |

# Parks and Recreation - Parks Development

($000)

## Santa Cruz River Sports Park

**Project ID:** R939
**Start Date:** 7/00
**End Date:** 6/10
**Location:** Ward 1

**Description:**
This project is no longer viable due to restrictive site conditions, including extensive archaeological requirements, major drainage problems, and availability of developable land. Locations to develop sports fields on the westside will be determined in conjunction with Pima County. The disposition of Pima County's contribution to this park is not known at this time.

**Justification:**
Currently there is a shortage of playing fields in Tucson. The Santa Cruz River Sport Park was intended to address the need for sport fields on the southwest side of Tucson and enhance the recreational aspects of the Santa Cruz River corridor.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 5.0 | - | - | **-** | 823.7 | - | - | - | **823.7** | - | **828.7** |
| **Total** | 5.0 | - | - | **-** | 823.7 | - | - | - | **823.7** | - | **828.7** |

## Santa Rita Skate Park

**Project ID:** R967
**Start Date:** 2/05
**End Date:** 11/08
**Location:** Ward 5

**Description:**
Design and construct a skateboard facility at Santa Rita Park. The skate park will have lights for evening use, perimeter fencing, and landscaping. The project may include a shade structure.

**Justification:**
This project is the result of an extensive public participation process that included area residents and significant representation by the skateboard community. The skateboard park will serve beginner, intermediate, and advanced users.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 1.5 | 148.5 | - | **148.5** | - | - | - | - | **148.5** | - | **150.0** |
| General Fund | 0.3 | - | - | **-** | - | - | - | - | **-** | - | **0.3** |
| **Total** | 1.8 | 148.5 | - | **148.5** | - | - | - | - | **148.5** | - | **150.3** |

# Parks and Recreation - Parks Development

($000)

## Silverlake Park Soccer Field Lighting Design

**Project ID:** RM10
**Start Date:** 1/08
**End Date:** 6/10
**Location:** Ward 5

**Description:**
Design lighting for two existing soccer fields and parking lot. Construction is contingent upon the availability of future funding.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Civic Contributions Fund | - | - | 150.0 | **150.0** | - | - | - | - | **150.0** | - | **150.0** |
| Miscellaneous Non-Federal Grants | - | - | - | **-** | 250.0 | - | - | - | **250.0** | - | **250.0** |
| Road & Park Impact Fee Fund: Central District | 50.0 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **100.0** |
| **Total** | 50.0 | 50.0 | 150.0 | **200.0** | 250.0 | - | - | - | **450.0** | - | **500.0** |

## South Central Community Park, Phase I

**Project ID:** RM11
**Start Date:** 7/07
**End Date:** 6/10
**Location:** Wards 4 and 5

**Description:**
Plan, design, and construct the initial development of a new community park along the Valencia Road Corridor. This project is part of a multi-phase development. Future phases are contingent upon future bonds or other revenues.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Road & Park Impact Fee Fund: East District | 75.0 | 75.0 | - | **75.0** | 245.5 | - | - | - | **320.5** | - | **395.5** |
| Road & Park Impact Fee Fund: Southeast District | - | 250.0 | - | **250.0** | - | - | - | - | **250.0** | - | **250.0** |
| **Total** | 75.0 | 325.0 | - | **325.0** | 245.5 | - | - | - | **570.5** | - | **645.5** |

# Parks and Recreation - Parks Development

($000)

## Southeast Community Park

**Project ID:** RP10
**Start Date:** 3/08
**End Date:** 6/11
**Location:** Ward 4

**Description:**
Acquire land, plan, and design the first phase of a regional park anticipated to be located in the vicinity of the Esmond Station and adjacent to a new Vail School District high school in southeast Tucson. An intergovernmental agreement with Pima County was approved in February 2006. The original Pima County 2004 bond allocation of $6 million has been reduced by $150,000 for estimated Pima County administrative charges.

**Justification:**
This project will serve the rapidly growing Houghton Corridor Area. It will be a collaborative partnership between the city, county, and Vail School District to maximize resources to the benefit of the community served.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 21.0 | 2,002.0 | - | **2,002.0** | 2,231.0 | 1,596.0 | - | - | **5,829.0** | - | **5,850.0** |
| **Total** | 21.0 | 2,002.0 | - | **2,002.0** | 2,231.0 | 1,596.0 | - | - | **5,829.0** | - | **5,850.0** |

## St. John's Park

**Project ID:** R998
**Start Date:** 3/07
**End Date:** 10/08
**Location:** Ward 1

**Description:**
Design and construct a new park that will include a multi-purpose field, a paved and lighted jogging path, and a ramada with a barbeque grill, tables, and trash receptacles. New electrical service will be required and a new irrigation system will be tied to an existing water meter.

**Justification:**
This facility will provide a unique setting for educational uses for the school, as well as provide a neighborhood park facility.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| General Fund: Restricted Revenues | - | - | 200.0 | **200.0** | - | - | - | - | **200.0** | - | **200.0** |
| **Total** | - | - | 200.0 | **200.0** | - | - | - | - | **200.0** | - | **200.0** |

# Parks and Recreation - Parks Development

($000)

## Trail System Master Plan

**Project ID:** R94A
**Start Date:** 10/07
**End Date:** 6/09
**Location:** Citywide

**Description:**
Update the Eastern Pima County Trails Master Plan with an emphasis on trail connections inside the urban area.

**Justification:**
This masterplan will address the community's need for connectivity and a more complete urban trail system.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 General Obligation Bond Funds | 50.0 | 175.0 | - | **175.0** | - | - | - | - | **175.0** | - | **225.0** |
| **Total** | 50.0 | 175.0 | - | **175.0** | - | - | - | - | **175.0** | - | **225.0** |

## Tucson Children's Museum Renovations

**Project ID:** RP20
**Start Date:** 9/07
**End Date:** 7/08
**Location:** Ward 6

**Description:**
Design and renovate the museum as necessary to remove the existing non-historic entry courtyard screen walls and expose the historic facade of the original Carnegie Library building. The entry courtyard will be expanded, and the demolished screen walls will be replaced with a period-specific wrought iron fence. An intergovernmental agreement with Pima County was approved in August 2007. The original Pima County bond allocation of $1.5 million has been reduced by $37,500 for estimated Pima County administrative charges.

**Justification:**
This work will improve the historical integrity of the Carnegie Library building, while also providing an expanded free educational play area, that will be available to the public during museum hours.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Capital Agreement Fund: Pima County Bonds | 211.2 | 22.0 | - | **22.0** | 1,229.3 | - | - | - | **1,251.3** | - | **1,462.5** |
| **Total** | 211.2 | 22.0 | - | **22.0** | 1,229.3 | - | - | - | **1,251.3** | - | **1,462.5** |

# Parks and Recreation - Parks Development

($000)

## Udall Park Sport Fields

**Project ID:** RP13
**Start Date:** 7/07
**End Date:** 11/09
**Location:** Ward 2

**Description:**
Design and construct two lighted soccer fields, lighting for an existing soccer field, a comfort station, and associated parking. The search for a 50-acre site for the Eastside Sports Complex proved unsuccessful and has resulted in an amendment to the 2004 Pima County Bond Implementation Ordinance. That amendment creates two new projects to replace the original Eastside Sports Complex: this project and the Lincoln Park Sport Fields project. The original funding amount of $2.5 million is reduced by $40,000 for Pima County administrative charges.

**Justification:**
Currently, there is a considerable shortage of sport fields on the eastside on Tucson. This project will provide much needed soccer fields and associated amenities.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 75.0 | 147.6 | 112.4 | **260.0** | 2,125.0 | - | - | - | **2,385.0** | - | **2,460.0** |
| **Total** | 75.0 | 147.6 | 112.4 | **260.0** | 2,125.0 | - | - | - | **2,385.0** | - | **2,460.0** |

## Valencia and Alvernon Community Park, Phase I

**Project ID:** RM12
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 5

**Description:**
Plan and design the initial phase of a new community park in the vicinity of Valencia and Alvernon. Construction of this project is a proposed partnership between the Pima County Flood Control District and the city as a stormwater detention basin and park. This project is part of a multi-phase development. Future phases are contingent upon funding from future bonds or other revenues.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Road & Park Impact Fee Fund: Southlands District | 100.0 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | **300.0** |
| **Total** | 100.0 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | **300.0** |

# Parks and Recreation - Parks Development

($000)

## Valencia Corridor Facilities Plan

**Project ID:** RM14
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Wards 4 and 5

**Description:**
Develop a park facilities master plan for the Valencia Road Corridor.

**Justification:**
This project is needed to address the demands placed on our parks and recreation system by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Road & Park Impact Fee Fund: Southlands District | 125.0 | 125.0 | - | **125.0** | - | - | - | - | **125.0** | - | **250.0** |
| **Total** | 125.0 | 125.0 | - | **125.0** | - | - | - | - | **125.0** | - | **250.0** |

## Valencia Corridor Land Acquisition, Phase I

**Project ID:** RM13
**Start Date:** 7/07
**End Date:** 6/10
**Location:** Wards 4 and 5

**Description:**
Acquire land identified by the Valencia Corridor Parks and Recreation Facilities Plan. This project is part of a multi-phase development. Future acquisitions are contingent upon future revenues.

**Justification:**
This project is needed to increase capacity in our parks and recreation system and to address the demands placed on it by new development.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Road & Park Impact Fee Fund: Southlands District | - | 301.5 | - | **301.5** | 565.0 | - | - | - | **866.5** | - | **866.5** |
| **Total** | - | 301.5 | - | **301.5** | 565.0 | - | - | - | **866.5** | - | **866.5** |

# Parks and Recreation - Zoo Improvements

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Reid Park Zoo Africa Expansion-Elephant Exhibit** | | | | | | | | | | | |
| Capital Improvement Fund | 576.0 | 424.0 | - | **424.0** | 3,750.0 | - | - | - | **4,174.0** | - | 4,750.0 |
| Future General Obligation Bonds | - | - | - | **-** | 4,750.0 | - | - | - | **4,750.0** | - | 4,750.0 |
| | **576.0** | **424.0** | **-** | **424.0** | **8,500.0** | **-** | **-** | **-** | **8,924.0** | **-** | **9,500.0** |
| **Program Area Total** | **576.0** | **424.0** | **-** | **424.0** | **8,500.0** | **-** | **-** | **-** | **8,924.0** | **-** | **9,500.0** |
| **Source of Funds Summary** | | | | | | | | | | | |
| Capital Improvement Fund | 576.0 | 424.0 | - | **424.0** | 3,750.0 | - | - | - | **4,174.0** | - | 4,750.0 |
| Future General Obligation Bonds | - | - | - | **-** | 4,750.0 | - | - | - | **4,750.0** | - | 4,750.0 |
| **Program Area Total** | **576.0** | **424.0** | **-** | **424.0** | **8,500.0** | **-** | **-** | **-** | **8,924.0** | **-** | **9,500.0** |

# Parks and Recreation - Zoo Improvements

($000)

## Reid Park Zoo Africa Expansion-Elephant Exhibit

**Project ID:** R978

**Start Date:** 7/06
**End Date:** 4/10

**Location:** Ward 6

**Description:**
Design and construct a 7-acre expansion of the Reid Park Zoo as indicated in the master plan. This expansion will include connecting pathways from the current zoo footprint, restrooms, water fountains, and a 3-acre elephant exhibit and holding facility. This project is the initial development of the new area. This project is a joint effort between the City of Tucson and the Tucson Zoological Society.

**Justification:**
The current elephant exhibit no longer meets the standards of care that have been developed by the Association of Zoos and Aquariums. The expansion will provide the needed space to accommodate these animals and will be designed to allow for additional animal exhibits in the future. The ultimate purpose of the expansion is to provide enhanced opportunity for zoo visitors to learn about wildlife in a more natural setting.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Improvement Fund | 576.0 | 424.0 | - | **424.0** | 3,750.0 | - | - | - | **4,174.0** | - | **4,750.0** |
| Future General Obligation Bonds | - | - | - | **-** | 4,750.0 | - | - | - | **4,750.0** | - | **4,750.0** |
| **Total** | 576.0 | 424.0 | - | **424.0** | 8,500.0 | - | - | - | **8,924.0** | - | **9,500.0** |

*Approved Five-Year*
*Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Police

# Capital Improvement Program
# Department Statement

## FY 2009 through FY 2013

**Department:** Police **Five-Year Total:** $ 78,910,000

The Tucson Police Department's Five-Year Capital Improvement Program will enhance the department's commitment to community-based policing, provide much needed space for staff, and upgrade support facilities. The five-year program of $78.9 million is funded from the capital improvement fund, which includes non-bond financing. Major projects include the following:

- Crime Lab and Investigative Division Renovation: The laboratory, currently located in the headquarters building, has insufficient space to analyze evidence obtained from crime scenes without risking contamination. The space allocated is approximately half of the National Forensics Science Technology Center's recommendation. The center indicates that anything less than half of its recommendation is detrimental to effective analysis and significantly increases the risk of contamination. This project also includes funding to relocate a portion of the Investigation Services Bureau presently housed in Headquarters. The space available for these bureau functions is inadequate for the investigative staff to effectively perform their duties.

- Evidence Facility: A facility has been purchased and is being renovated to increase space for the storage of evidence and allow the department to relocate its Identification Section. Currently, the Evidence and Identification Sections are out of space. Expansion is required to continue offering levels of service expected by the public. The total cost, including purchase of the facility, is $15.6 million. The projected date for transferring the sections is March 2008, but residual costs resulting from the relocation may well continue into Fiscal Year 2009.

- Police Field Support Equipment: This project will allow the department to expand the area available for training Communications Division staff and prepare for the establishment of a sixth patrol division as the city's area and population continue to grow. The project should be competed in Fiscal Year 2009.

- Police Headquarters Expansion: As the city grows, the department will have to add both commissioned and support personnel to patrol the city, investigate crimes, and analyze evidence. These increased resources will require a significant expansion of Police Headquarters, which currently houses the Crime Laboratory, the Investigative Services Bureau, the Downtown Patrol Division, support functions, and management personnel. Department and city staff are determining the most cost efficient and operationally effective way to proceed with the expansion. The project's budget is currently $41.1 million. The tentative completion date is Fiscal Year 2011.

The five-year CIP has a projected annual impact on the operating budget of $100,000 in Fiscal Year 2009 and increases to $430,000 in Fiscal Year 2013.

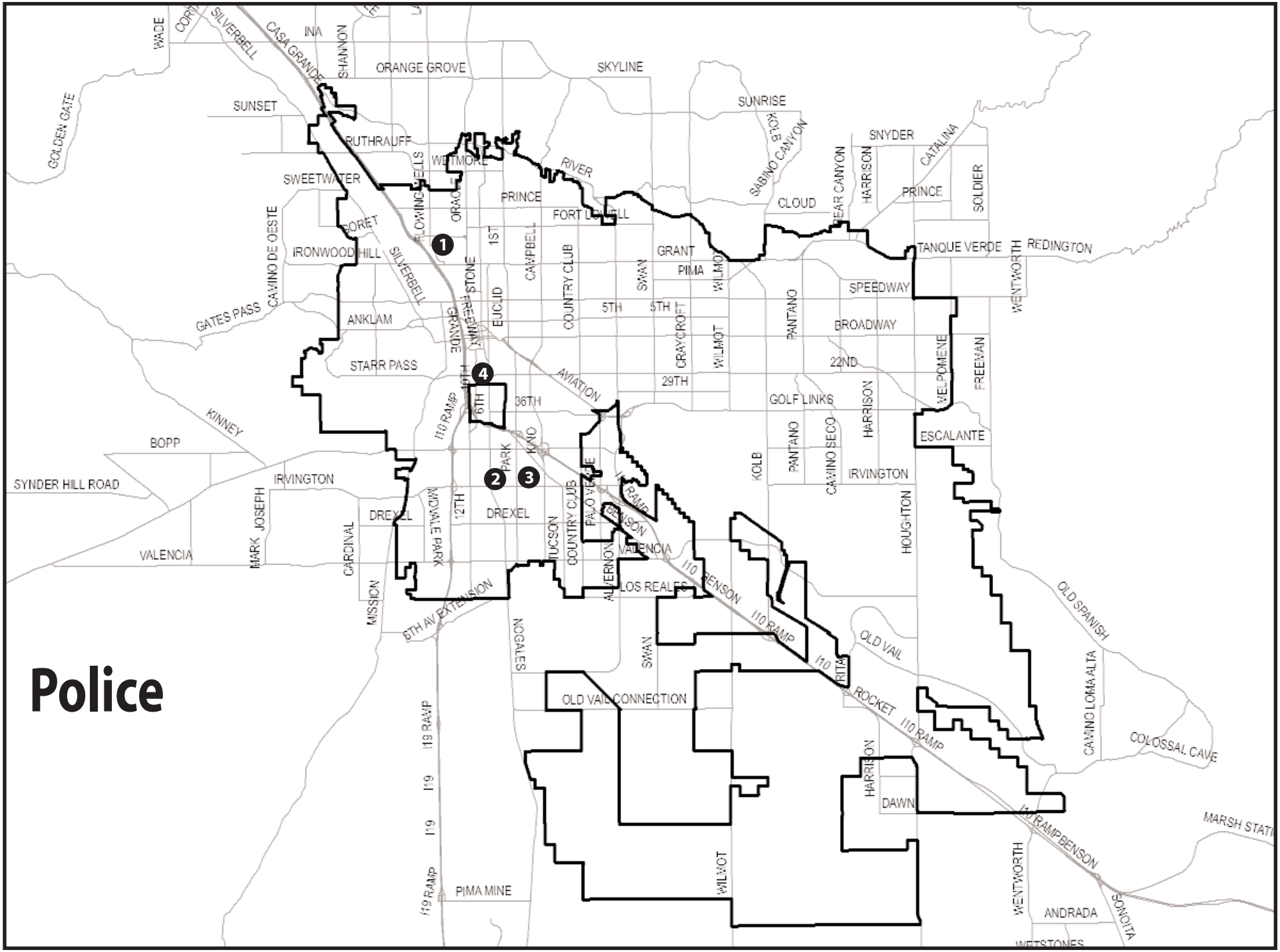
## Police: CIP Impact on the Operating Budget

When the following projects in this CIP are completed, they will require funding for annual operations. The estimated impact of these projects on the operating budget over the next five years is shown in the table below.

**($000)**

| Project Name | Year 1 FY 2009 | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total |
|---|---|---|---|---|---|---|
| Evidence Facility | 100.0 | 100.0 | 100.0 | 110.0 | 110.0 | **520.0** |
| Police Headquarters Expansion | - | - | 150.0 | 300.0 | 320.0 | **770.0** |
| **Total** | **100.0** | **100.0** | **250.0** | **410.0** | **430.0** | **1,290.0** |

| **Source of Funds Summary** | | | | | | |
|---|---|---|---|---|---|---|
| General Fund | 100.0 | 100.0 | 250.0 | 410.0 | 430.0 | **1,290.0** |
| **Total** | **100.0** | **100.0** | **250.0** | **410.0** | **430.0** | **1,290.0** |


Police
1
2
3
4
WADE
SILVERBELL
CASA GRANDE
INA
SHANNON
ORANGE GROVE
SKYLINE
SUNSET
SUNRISE
GOLDEN GATE
RUTHRAUFF
SNYDER
CATALINA
SWEETWATER
WETMORE
RIVER
SABINO CANYON
PRINCE
CLOUD
BEAR CANYON
HARRISON
SOLDIER
FORT LOWELL
CAMINO DE OESTE
IRONWOOD HILL
FLOWING WELLS
ORACLE
1ST
CAMPBELL
COUNTRY CLUB
SWAN
GRANT
PIMA
WILMOT
TANQUE VERDE
REDINGTON
WENTWORTH
SPEEDWAY
GATES PASS
ANKLAM
STONE
FREEMAN
EUCLID
5TH
CRAYCROFT
PANTANO
BROADWAY
STARR PASS
22ND
29TH
AVIATION
GOLF LINKS
WELPOMENE
FREEMAN
KINNEY
36TH
I10 RAMP
KINO
PARK
ESCALANTE
BOPP
KOLB
CAMINO SECO
IRVINGTON
SYNDER HILL ROAD
JOSEPH
DREXEL
12TH
MIDVALE PARK
TUCSON
PALO VERDE
BENSON
VALENCIA
HOUGHTON
VALENCIA
MARK
CARDINAL
ALVERNON
LOS REALES
I10 BENSON
I10 RAMP
OLD SPANISH
MISSION
6TH AV EXTENSION
NOGALES
SWAN
OLD VAIL
RITA
ROCKET
CAMINO LOMA ALTA
OLD VAIL CONNECTION
COLOSSAL CAVE
I19 RAMP
I19
DAWN
MARSH STATI
I10 RAMP BENSON
WILMOT
WENTWORTH
PIMA MINE
ANDRADA
SONOITA

**Map Legend**

**Police**

| Project Name | Year to be Completed | Project Name | Year to be Completed |
|---|---|---|---|
| 1. Crime Lab and Investigative Division Renovation | FY 2010 | 3. Police Field Support Equipment | FY 2009 |
| 2. Evidence Facility | FY 2009 | 4. Police Headquarters Expansion | FY 2011 |

# Police

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Crime Lab and Investigative Division Renovation** | | | | | | | | | | | |
| Capital Improvement Fund | 2,500.0 | - | 14,500.0 | **14,500.0** | 22,000.0 | - | - | - | **36,500.0** | - | 39,000.0 |
| | **2,500.0** | **-** | **14,500.0** | **14,500.0** | **22,000.0** | **-** | **-** | **-** | **36,500.0** | **-** | **39,000.0** |
| **Evidence Facility** | | | | | | | | | | | |
| Capital Improvement Fund | 10,017.7 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | 10,317.7 |
| General Fund: Certificates of Participation | 5,282.3 | - | - | **-** | - | - | - | - | **-** | - | 5,282.3 |
| | **15,300.0** | **300.0** | **-** | **300.0** | **-** | **-** | **-** | **-** | **300.0** | **-** | **15,600.0** |
| **Police Field Support Equipment** | | | | | | | | | | | |
| Capital Improvement Fund | 363.1 | 1,110.0 | - | **1,110.0** | - | - | - | - | **1,110.0** | - | 1,473.1 |
| General Fund: Certificates of Participation | 26.9 | - | - | **-** | - | - | - | - | **-** | - | 26.9 |
| | **390.0** | **1,110.0** | **-** | **1,110.0** | **-** | **-** | **-** | **-** | **1,110.0** | **-** | **1,500.0** |
| **Police Headquarters Expansion** | | | | | | | | | | | |
| Capital Improvement Fund | - | 1,500.0 | 6,600.0 | **8,100.0** | 16,700.0 | 16,200.0 | - | - | **41,000.0** | - | 41,000.0 |
| General Fund: Certificates of Participation | 124.8 | - | - | **-** | - | - | - | - | **-** | - | 124.8 |
| | **124.8** | **1,500.0** | **6,600.0** | **8,100.0** | **16,700.0** | **16,200.0** | **-** | **-** | **41,000.0** | **-** | **41,124.8** |
| **Department Total** | **18,314.8** | **2,910.0** | **21,100.0** | **24,010.0** | **38,700.0** | **16,200.0** | **-** | **-** | **78,910.0** | **-** | **97,224.8** |

| **Source of Funds Summary** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Capital Improvement Fund | 12,880.8 | 2,910.0 | 21,100.0 | **24,010.0** | 38,700.0 | 16,200.0 | - | - | **78,910.0** | - | 91,790.8 |
| General Fund: Certificates of Participation | 5,434.0 | - | - | **-** | - | - | - | - | **-** | - | 5,434.0 |
| **Department Total** | **18,314.8** | **2,910.0** | **21,100.0** | **24,010.0** | **38,700.0** | **16,200.0** | **-** | **-** | **78,910.0** | **-** | **97,224.8** |

# Police

($000)

## Crime Lab and Investigative Division Renovation

**Project ID:** P012
**Start Date:** 1/08
**End Date:** 6/10
**Location:** Ward 3

**Description:**
Design and construct a new Crime Lab adjacent to the new Westside Police Service Center. Renovate an existing structure at the site for relocation of the Investigative Division. Completion of this project is dependent upon funding to cover debt service payments.

**Justification:**
The existing Crime Lab is too small and inadequate for the operations currently being conducted at the lab. Current housing of the Investigative Division is inadequate for investigative staff to effectively perform their duties.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Improvement Fund | 2,500.0 | - | 14,500.0 | **14,500.0** | 22,000.0 | - | - | - | **36,500.0** | - | **39,000.0** |
| **Total** | 2,500.0 | - | 14,500.0 | **14,500.0** | 22,000.0 | - | - | - | **36,500.0** | - | **39,000.0** |

## Evidence Facility

**Project ID:** P008
**Start Date:** 1/06
**End Date:** 9/08
**Location:** Ward 5

**Description:**
Design and construct a facility to house the Evidence and Identification Sections. The city is purchasing and renovating a warehouse that offers sufficient space for these two functions.

**Justification:**
Because the Evidence Section no longer has space to store items at Police Headquarters, it has been forced to place evidence at various locations throughout the city. If the department had to continue this practice indefinitely, the chain of evidence would have been compromised with a resulting loss of convictions that would allow alleged criminals to remain free.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Improvement Fund | 10,017.7 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | **10,317.7** |
| General Fund: Certificates of Participation | 5,282.3 | - | - | **-** | - | - | - | - | **-** | - | **5,282.3** |
| **Total** | 15,300.0 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | **15,600.0** |

# Police

($000)

## Police Field Support Equipment

**Project ID:** P017
**Start Date:** 3/07
**End Date:** 1/08
**Location:** Citywide

**Description:**
Acquire operational support equipment, and add a training area for newly hired staff.

**Justification:**
These funds will provide the department with the operational capability to add a sixth field division as the city's area and population continue to grow. The funds will also allow the department to expand the area available for training without interfering with the day-to-day operations.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Improvement Fund | 363.1 | 1,110.0 | - | **1,110.0** | - | - | - | - | **1,110.0** | - | **1,473.1** |
| General Fund: Certificates of Participation | 26.9 | - | - | **-** | - | - | - | - | **-** | - | **26.9** |
| **Total** | 390.0 | 1,110.0 | - | **1,110.0** | - | - | - | - | **1,110.0** | - | **1,500.0** |

## Police Headquarters Expansion

**Project ID:** P015
**Start Date:** 7/06
**End Date:** 1/11
**Location:** Ward 1

**Description:**
Renovate Police Headquarters to provide additional space for the Downtown Patrol Division and department administrative personnel. Completion of this project is dependent upon funding to cover debt service payments.

**Justification:**
As the city continues to grow, the department will have to add both commissioned and support personnel to patrol the city, investigate crimes, analyze evidence, and manage additional human and material resources. The added staff will require additional space to carry out their responsibilities in an acceptable manner.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Improvement Fund | - | 1,500.0 | 6,600.0 | **8,100.0** | 16,700.0 | 16,200.0 | - | - | **41,000.0** | - | **41,000.0** |
| General Fund: Certificates of Participation | 124.8 | - | - | **-** | - | - | - | - | **-** | - | **124.8** |
| **Total** | 124.8 | 1,500.0 | 6,600.0 | **8,100.0** | 16,700.0 | 16,200.0 | - | - | **41,000.0** | - | **41,124.8** |

*Approved Five-Year*
*Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Transportation

# Capital Improvement Program
# Department Statement

## FY 2009 through FY 2013

**Department:** Transportation **Five-Year Total:** $ 479,747,800

Transportation's Capital Improvement Program (CIP) of $479.7 million funds improvements for a multi-modal transportation system and infrastructure designed to attract industry and protect neighborhoods. The program is divided into five areas: Drainage, Public Transit, Street Lighting, Streets, and Traffic Signals. Regional Transportation Authority (RTA) supported projects are included in the Streets, Traffic Signals, and Transit elements.

**Drainage.** The Drainage Program of $68,500 is based on the Tucson Stormwater Management Study and emphasizes the protection of neighborhoods and naturally-vegetated watercourses. Projects are primarily funded with general obligation bonds.

**Public Transit.** The Public Transit Program of $189 million replaces Sun Tran and Van Tran fleet vehicles, and upgrades and constructs facilities to support transit operations. This five-year CIP provides $19.7 million funding for the Sun Tran Maintenance Facility and $35.7 million for the Modern Streetcar from the RTA. This program is primarily funded with federal grants, which have local matches provided by a General Fund subsidy and RTA funds.

**Street Lighting.** The Street Lighting Program of $1.3 million constructs street lighting and sidewalk improvements, converts overhead circuits to underground circuits, and upgrades existing conductors and poles. The Comprehensive Roadway Illumination Study serves as the basis for street lighting projects. Projects are primarily funded from Pima County bonds and the city's general obligation bonds.

**Streets.** The Streets Program of $283.4 million will upgrade the arterial, collector, and residential transportation network, including streets, sidewalks, and bikeways, with the primary goal of maintaining an arterial street system that permits a safe and an unimpeded flow of traffic. The program is funded primarily from RTA funds allocated by the Pima Association of Governments, federal grants, and Pima County bonds.

**Traffic Signals.** The Traffic Signals Program of $5.9 million constructs traffic signals, signal systems at schools, and pedestrian crossing improvements; upgrades the computerized traffic control system; and continues support for the state's Freeway Management System, deployment of Intelligent Transportation System, and the Regional Transportation Data Network. Projects are primarily funded with federal grants and RTA funds.

The impact of this five-year CIP on future operating budgets is estimated to be $168,500 in Fiscal Year 2010, increasing to $841,500 in Fiscal Year 2013.

# 2000 General Obligation Bond Authorization
# New and Deleted Projects in the FY 2009-2013 CIP
**($000)**

The Truth-in-Bonding Ordinance reads as follows: "That in any particular year, approved bond proceeds to be allocated to projects in accordance with the priority levels set forth in the City of Tucson's publicly adopted Five-Year Capital Improvements Funded Program (CIFP). Any change which results in the creation of new or cancellation of previously approved capital projects requires prior Mayor and Council approval at a Study Sessions or Regular Session open to the public, which will include a Public Hearing, and which shall be consistent with all other legal and management requirements, procedures, and controls."

The following table lists projects newly funded by the 2000 Bond Authorization and those projects that will no longer be funded with the 2000 Bond Authorization.

| | Project Total |
|---|---|
| **Newly Created 2000 Bond Project** | |
| Midvale Park Neighborhood Lighting | $ 60.0 |
| **Newly Created Projects Total** | **$ 60.0** |

## Transportation: CIP Impact on the Operating Budget

When the following projects in this CIP are completed, they will require funding for annual operations. The estimated impact of these projects on the operating budget over the next five years is shown in the table below.

**($000)**

| Project Name | Year 1 FY 2009 | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total |
|---|---|---|---|---|---|---|
| 6th Avenue: 18th Street Intersection | - | 30.0 | 30.0 | 30.0 | 30.0 | **120.0** |
| Alternate Modes Improvements | - | - | 25.0 | 9.0 | 9.0 | **43.0** |
| Barraza-Aviation Parkway: 4th Avenue Underpass | - | - | 15.0 | 15.0 | 15.0 | **45.0** |
| Cambio Grande Street Revitalization | - | - | 1.0 | 1.0 | 1.0 | **3.0** |
| Campbell Avenue Revitalization | - | - | - | 1.0 | 1.0 | **2.0** |
| Changeable Message Signs | - | 2.5 | 2.5 | 2.5 | 2.5 | **10.0** |
| Ft. Lowell: Campbell Intersection Improvements | - | - | 5.0 | 5.0 | 5.0 | **15.0** |
| Golf Links: Wilmot Intersection Improvements | - | - | 5.0 | 5.0 | 5.0 | **15.0** |
| Grant and Craycroft Intersection Improvement | - | 5.0 | 5.0 | 5.0 | 5.0 | **20.0** |
| Harrison Road: Speedway to Old Spanish Trail | - | 40.0 | 40.0 | 40.0 | 40.0 | **160.0** |
| Highland Avenue Bike and Pedestrian Improvements | - | 10.0 | 10.0 | 10.0 | 10.0 | **40.0** |
| Houghton Park-and-Ride | - | - | - | 30.0 | 30.0 | **60.0** |
| Houghton Road Bridge Replacement | - | - | - | 12.0 | 12.0 | **24.0** |
| Houghton Road: I-10 to Valencia | - | - | 108.0 | 108.0 | 108.0 | **324.0** |
| Houghton Road: Old Spanish Trail to Valencia | - | - | 126.0 | 126.0 | 126.0 | **378.0** |
| Houghton Road: Speedway to Old Spanish Trail | - | - | 66.0 | 66.0 | 66.0 | **198.0** |
| Living Transportation Laboratory | - | 4.0 | 4.0 | 4.0 | 4.0 | **16.0** |
| Mountain Avenue: Roger Road to Ft. Lowell Road | - | - | - | 40.0 | 40.0 | **80.0** |
| Oracle and Drachman Main Intersection | - | 6.0 | 6.0 | 6.0 | 6.0 | **24.0** |
| Rita Ranch Park-and-Ride | - | 24.0 | 24.0 | 24.0 | 24.0 | **96.0** |
| South 4th Avenue Streetscape Enhancement | - | 5.0 | 5.0 | 5.0 | 5.0 | **20.0** |
| Speedway and Main Intersection Improvements | - | - | 12.0 | 12.0 | 12.0 | **36.0** |
| Speedway: Camino Seco to Houghton | - | - | - | - | 96.0 | **96.0** |
| Starr Pass and Mission Intersection Improvements | - | - | - | 12.0 | 12.0 | **24.0** |
| Stone Ave: Drachman and Speedway Improvements | - | - | - | - | 24.0 | **24.0** |
| Stone Avenue: Pedestrian Safety Improvements | - | 30.0 | 30.0 | 30.0 | 30.0 | **120.0** |
| Transit Headquarters | - | - | 99.0 | 102.0 | 105.0 | **306.0** |
| Tyndall Avenue Enhancements | - | 12.0 | 12.0 | 12.0 | 12.0 | **48.0** |
| Wilmot at Park Place Intersection Improvements | - | - | - | 6.0 | 6.0 | **12.0** |
| **Total** | **-** | **168.5** | **630.5** | **718.5** | **841.5** | **2,359.0** |

| **Source of Funds Summary** | | | | | | |
|---|---|---|---|---|---|---|
| Highway User Revenue Fund | - | 144.5 | 507.5 | 562.5 | 682.5 | **1,897.0** |
| Mass Transit Fund: User Fees and General Fund | - | - | 99.0 | 102.0 | 105.0 | **306.0** |
| Regional Transportation Authority Fund | - | 24.0 | 24.0 | 54.0 | 54.0 | **156.0** |
| **Total** | **-** | **168.5** | **630.5** | **718.5** | **841.5** | **2,359.0** |

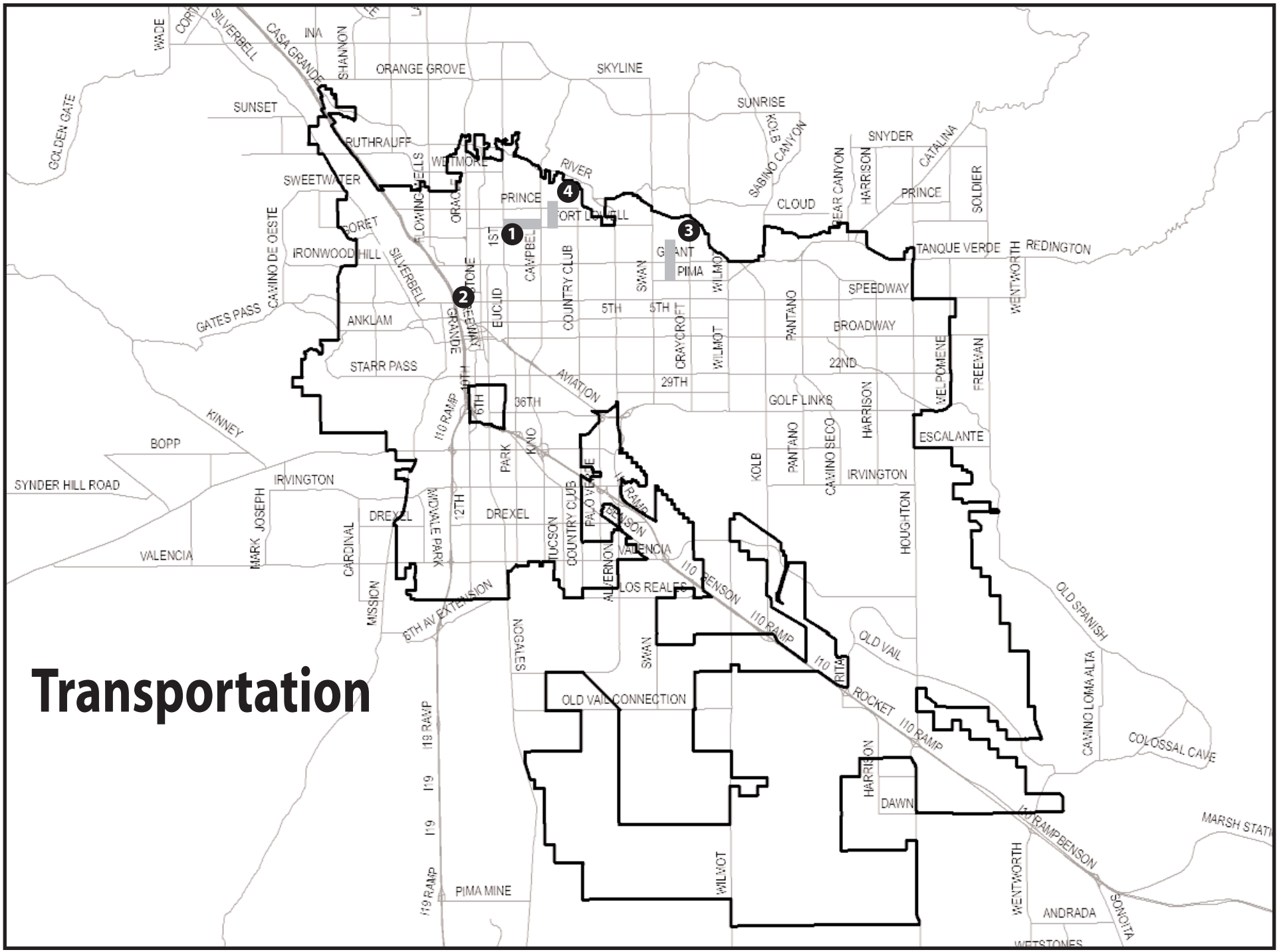
# Pima County Bond Program
# Street Projects Located Within the City of Tucson

The projects listed below are Pima County 1997 Highway User Revenue Bond street projects that are totally or partially located within the city limits.

The implementation of projects within the city has been stalled for a variety of reasons, including but not limited to, the need for additional funding. In May 2004, the Pima County Board of Supervisors and the City of Tucson Mayor and Council approved a Memorandum of Understanding to expend the authorized 1997 Pima County Highway User Revenue Bonds to maximize benefits for the residents of the city and county.

| Pima County Project Number | Project Name | Pima County Bond Funds ($000) |
|---|---|---|
| **Project Eliminated by Board of Supervisors** | | |
| DOT-41 | 22nd Street: Interstate 10 to Park Avenue (originally a $10 million project) | -0- |
| **Projects Completed (without city financial assistance)** | | |
| DOT-43 | 12th Avenue: Veterans to Los Reales (The city paid for the improvements to 12th Avenue from Drexel to Valencia at a cost of $4.9 million.) | $ 9,000.0 |
| DOT-05 | Alvernon Way: Ft. Lowell to River Road (Intergovernmental Agreement approved December 2004.) | 12,000.0 |
| DOT-12 | Country Club Road: 36th Street to Milber | 7,000.0 |
| DOT-49 | Valencia Road: Mission to Interstate 19 | 6,000.0 |
| **Projects Completed (with city financial assistance)** | | |
| DOT-55 | Golf Links Road: Bonanza to Houghton | 2,500.0 |
| DOT-39 | Valencia Road: Interstate 19 to South 12th Avenue | 900.0 |
| **Projects Moving Forward (assumed not to need city financial assistance)** | | |
| DOT-11 | Drexel Road: Tucson Boulevard to Alvernon | 6,500.0 |
| | **Under the Memorandum of Understanding** | |
| **Projects to be Administered by City of Tucson** | | |
| DOT-56 | Broadway Boulevard: Euclid to Campbell* (Intergovernmental Agreement approved December 2004.) | 25,000.0 |
| DOT-58 | Kino Parkway Overpass at 22nd Street (Intergovernmental agreement approved December 2004.) | 10,000.0 |
| **Projects to be Administered by Pima County** | | |
| **Other Projects (Pima County will make every reasonable effort to fund from its 1997 bond program)** | | |
| DOT-29 | Houghton Road: Golf Links to I-10 | 20,000.0 |
| | **TOTAL** | **$ 98,900.0** |

* Under the terms of the Memorandum of Understanding, the City of Tucson is to make every reasonable effort to provide $25 million in improvements to Broadway Boulevard: Campbell to Country Club.


Transportation
1
2
3
4
WADE
SILVERBELL
CASA GRANDE
INA
SHANNON
ORANGE GROVE
SKYLINE
SUNRISE
GOLDEN GATE
SUNSET
RUTHRAUFF
WETMORE
RIVER
SABINO CANYON
SNYDER
CATALINA
SWEETWATER
PRINCE
FORT LOWELL
CLOUD
BEAR CANYON
HARRISON
SOLDIER
CAMINO DE OESTE
IRONWOOD HILL
FLOWING WELLS
ORACLE
1ST
CAMPBELL
COUNTRY CLUB
SWAN
GRANT
PIMA
WILMOT
TANQUE VERDE
REDINGTON
WENTWORTH
SPEEDWAY
GATES PASS
ANKLAM
EUCLID
5TH
CRAYCROFT
PANTANO
BROADWAY
STARR PASS
22ND
29TH
FREEMAN
WELPOMENE
AVIATION
36TH
GOLF LINKS
KINNEY
BOPP
I10 RAMP
PARK
KINO
CAMINO SECO
ESCALANTE
SYNDER HILL ROAD
IRVINGTON
KOLB
JOSEPH
DREXEL
12TH
MOVIE PARK
TUCSON
PALO VERDE
BENSON
VALENCIA
HOUGHTON
VALENCIA
MARK
CARDINAL
ALVERNON
LOS REALES
I10 BENSON
I10 RAMP
OLD SPANISH
MISSION
6TH AV EXTENSION
NOGALES
OLD VAIL
I10 RITA
ROCKET
CAMINO LOMA ALTA
OLD VAIL CONNECTION
COLOSSAL CAVE
I19 RAMP
I19
DAWN
MARSH STATI
I10 RAMP BENSON
WILMOT
PIMA MINE
ANDRADA
SONOITA

**Map Legend**

**Transportation**

| Project Name | Year to be Completed | | Year to be Completed |
|---|---|---|---|
| Street Lighting | | Streets | |
| 1 - Ft. Lowell Road: Oracle to Country Club | FY 2009 | 2 - Barraza-Aviation Parkway: 4th Avenue Underpass | FY 2010 |
| | | 3 - Grant and Craycroft Intersection Improvement | FY 2009 |
| | | 4 - Mountain Avenue: Roger Road to Ft. Lowell Road | FY 2011 |

# Transportation

## Five-Year Capital Improvement Program

**($000)**

| Program Area | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| Transportation - Drainage | 14,761.2 | 68.5 | - | **68.5** | - | - | - | - | **68.5** | - | **14,829.7** |
| Transportation - Public Transit | 3,694.0 | 26,047.2 | 29,293.6 | **55,340.8** | 44,331.9 | 28,869.1 | 36,576.5 | 23,916.5 | **189,034.8** | 51,927.0 | **244,655.8** |
| Transportation - Street Lighting | 1,115.1 | 1,250.0 | 60.0 | **1,310.0** | - | - | - | - | **1,310.0** | - | **2,425.1** |
| Transportation - Streets | 84,779.3 | 8,909.0 | 22,057.8 | **30,966.8** | 57,066.6 | 66,052.3 | 80,931.0 | 48,400.0 | **283,416.7** | 264,410.7 | **632,606.7** |
| Transportation - Traffic Signals | 1,592.2 | 2,288.3 | 334.5 | **2,622.8** | 2,020.0 | 1,250.0 | 25.0 | - | **5,917.8** | - | **7,510.0** |
| **Department Total** | **105,941.8** | **38,563.0** | **51,745.9** | **90,308.9** | **103,418.5** | **96,171.4** | **117,532.5** | **72,316.5** | **479,747.8** | **316,337.7** | **902,027.3** |

# Transportation

## Five-Year Capital Improvement Program

**($000)**

| Program Area | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Source of Funds Summary** | | | | | | | | | | | |
| 1994 General Obligation Bond Funds | 781.1 | - | - | **-** | - | - | - | - | **-** | - | 781.1 |
| 1994 Street and Highway Revenue Bond Funds | 824.5 | - | - | **-** | - | - | - | - | **-** | - | 824.5 |
| 2000 General Obligation Bond Funds | 7,161.1 | 118.5 | 60.0 | **178.5** | - | - | - | - | **178.5** | - | 7,339.6 |
| 2000 General Obligation Bond Funds: Interest | 280.8 | - | - | **-** | - | - | - | - | **-** | - | 280.8 |
| 2000 Street and Highway Revenue Bond Funds | 2,903.3 | - | - | **-** | - | - | - | - | **-** | - | 2,903.3 |
| Capital Agreement Fund | 103.3 | - | - | **-** | - | - | - | - | **-** | - | 103.3 |
| Capital Agreement Fund: PAG | 34,177.6 | 396.0 | 3,276.0 | **3,672.0** | 5,706.0 | 4,750.0 | 6,500.0 | - | **20,628.0** | - | 54,805.6 |
| Capital Agreement Fund: Pima County Bonds | 4,353.6 | 1,200.0 | - | **1,200.0** | 2,000.0 | 6,037.3 | 8,000.0 | 8,000.0 | **25,237.3** | 7,224.7 | 36,815.6 |
| Capital Agreement Fund: Pima County Contribution | 6,400.0 | - | - | **-** | - | - | - | - | **-** | - | 6,400.0 |
| Federal Highway Administration Grants | 23,102.9 | 3,633.0 | 5,371.0 | **9,004.0** | 15,095.0 | 8,278.0 | 7,525.0 | 5,000.0 | **44,902.0** | - | 68,004.9 |
| General Fund: Certificates of Participation | 654.3 | - | - | **-** | - | - | - | - | **-** | - | 654.3 |
| General Fund: Restricted Revenues | 311.8 | - | - | **-** | - | - | - | - | **-** | - | 311.8 |
| Highway User Revenue Fund | 4,612.7 | 391.6 | 856.4 | **1,248.0** | 856.4 | 1,212.0 | 859.0 | 1,309.0 | **5,484.4** | - | 10,097.1 |
| Highway User Revenue Fund: Contributions | - | - | 200.0 | **200.0** | 200.0 | 200.0 | 200.0 | 200.0 | **1,000.0** | - | 1,000.0 |
| Highway User Revenue Fund: In-Lieu Fees | 406.2 | - | 1,000.0 | **1,000.0** | 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | **5,000.0** | - | 5,406.2 |
| Highway User Revenue Fund: Restricted, Section D | 360.1 | - | - | **-** | - | - | - | - | **-** | - | 360.1 |
| Mass Transit Fund: Federal Grants | 477.0 | 19,989.6 | 9,734.8 | **29,724.4** | 18,718.3 | 16,954.2 | 14,099.9 | 11,377.5 | **90,874.3** | - | 91,351.3 |
| Mass Transit Fund: User Fees and General Fund | 4.2 | 1,433.0 | 501.4 | **1,934.4** | 485.0 | 1,200.0 | 1,200.0 | 1,200.0 | **6,019.4** | - | 6,023.6 |
| Regional Transportation Authority Fund | 14,976.9 | 10,401.3 | 24,041.3 | **34,442.6** | 53,262.8 | 56,439.9 | 78,148.6 | 44,230.0 | **266,523.9** | 309,113.0 | 590,613.8 |
| Road & Park Impact Fee Fund: East District | 200.0 | 300.0 | 450.0 | **750.0** | 100.0 | 100.0 | - | - | **950.0** | - | 1,150.0 |
| Road & Park Impact Fee Fund: Southeast District | 250.5 | - | 250.0 | **250.0** | - | - | - | - | **250.0** | - | 500.5 |
| Road & Park Impact Fee Fund: West District | 600.0 | 700.0 | 1,000.0 | **1,700.0** | - | - | - | - | **1,700.0** | - | 2,300.0 |
| State Infrastructure Bank Federal Pass-Through | 3,000.0 | - | 5,005.0 | **5,005.0** | 5,995.0 | - | - | - | **11,000.0** | - | 14,000.0 |
| **Department Total** | **105,941.8** | **38,563.0** | **51,745.9** | **90,308.9** | **103,418.5** | **96,171.4** | **117,532.5** | **72,316.5** | **479,747.8** | **316,337.7** | **902,027.3** |

# Transportation - Drainage

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Columbus Wash Drainage Relief, Phase II** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | 5,465.9 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | 5,515.9 |
| 2000 General Obligation Bond Funds: Interest | 280.8 | - | - | **-** | - | - | - | - | **-** | - | 280.8 |
| Capital Agreement Fund: Pima County Contribution | 6,400.0 | - | - | **-** | - | - | - | - | **-** | - | 6,400.0 |
| General Fund: Restricted Revenues | 311.8 | - | - | **-** | - | - | - | - | **-** | - | 311.8 |
| | **12,458.5** | **50.0** | **-** | **50.0** | **-** | **-** | **-** | **-** | **50.0** | **-** | **12,508.5** |
| **Park Avenue Detention Basin, Phase II** | | | | | | | | | | | |
| 1994 General Obligation Bond Funds | 781.1 | - | - | **-** | - | - | - | - | **-** | - | 781.1 |
| 2000 General Obligation Bond Funds | 1,521.6 | 18.5 | - | **18.5** | - | - | - | - | **18.5** | - | 1,540.1 |
| | **2,302.7** | **18.5** | **-** | **18.5** | **-** | **-** | **-** | **-** | **18.5** | **-** | **2,321.2** |
| **Program Area Total** | **14,761.2** | **68.5** | **-** | **68.5** | **-** | **-** | **-** | **-** | **68.5** | **-** | **14,829.7** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1994 General Obligation Bond Funds | 781.1 | - | - | **-** | - | - | - | - | **-** | - | 781.1 |
| 2000 General Obligation Bond Funds | 6,987.5 | 68.5 | - | **68.5** | - | - | - | - | **68.5** | - | 7,056.0 |
| 2000 General Obligation Bond Funds: Interest | 280.8 | - | - | **-** | - | - | - | - | **-** | - | 280.8 |
| Capital Agreement Fund: Pima County Contribution | 6,400.0 | - | - | **-** | - | - | - | - | **-** | - | 6,400.0 |
| General Fund: Restricted Revenues | 311.8 | - | - | **-** | - | - | - | - | **-** | - | 311.8 |
| **Program Area Total** | **14,761.2** | **68.5** | **-** | **68.5** | **-** | **-** | **-** | **-** | **68.5** | **-** | **14,829.7** |

# Transportation - Drainage

($000)

## Columbus Wash Drainage Relief, Phase II

**Project ID:** S407
**Start Date:** 7/01
**End Date:** 6/09
**Location:** Ward 6

**Description:**
Design and construct the final phase of the Columbus Wash project, which includes the extension of the storm drain system upstream along the possible alignment of Belvedere Road to south of Speedway Boulevard. The Pima County Flood Control District has provided funding of $6.4 million.

**Justification:**
When the project is completed, the floodplain map will be revised; numerous properties will no longer be within the floodplain boundaries.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | 5,465.9 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **5,515.9** |
| 2000 General Obligation Bond Funds: Interest | 280.8 | - | - | **-** | - | - | - | - | **-** | - | **280.8** |
| Capital Agreement Fund: Pima County Contribution | 6,400.0 | - | - | **-** | - | - | - | - | **-** | - | **6,400.0** |
| General Fund: Restricted Revenues | 311.8 | - | - | **-** | - | - | - | - | **-** | - | **311.8** |
| **Total** | 12,458.5 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **12,508.5** |

## Park Avenue Detention Basin, Phase II

**Project ID:** S400
**Start Date:** 7/97
**End Date:** 6/09
**Location:** Wards 1, 5, and 6

**Description:**
Design and construct a flood control basin that incorporates recreation and habitat preservation into a community park. This is a U.S. Army Corps of Engineers' (USACE) project with Pima County Flood Control District as the local sponsor. The USACE requires that local entities pay for land acquisition and preferred options, such as recreation and habitat preservation. The remaining funding contribution from the City of Tucson is for aesthetic betterments not covered by the Corps of Engineering funding.

**Justification:**
This second phase of a jointly sponsored project will remove approximately 1,400 properties from the 100-year floodplain, relieving property owners of the requirement to purchase flood insurance.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 1994 General Obligation Bond Funds | 781.1 | - | - | **-** | - | - | - | - | **-** | - | **781.1** |
| 2000 General Obligation Bond Funds | 1,521.6 | 18.5 | - | **18.5** | - | - | - | - | **18.5** | - | **1,540.1** |
| **Total** | 2,302.7 | 18.5 | - | **18.5** | - | - | - | - | **18.5** | - | **2,321.2** |

# Transportation - Public Transit

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **ADA Transit Enhancements** | | | | | | | | | | | |
| Highway User Revenue Fund | - | 6.4 | 17.2 | **23.6** | 24.0 | 24.0 | 24.0 | 24.0 | **119.6** | - | 119.6 |
| Mass Transit Fund: Federal Grants | - | 25.7 | 68.7 | **94.4** | 96.0 | 96.0 | 96.0 | 96.0 | **478.4** | - | 478.4 |
| | **-** | **32.1** | **85.9** | **118.0** | **120.0** | **120.0** | **120.0** | **120.0** | **598.0** | **-** | **598.0** |
| **Compressed Natural Gas Facility** | | | | | | | | | | | |
| Mass Transit Fund: Federal Grants | 16.8 | 383.2 | - | **383.2** | - | - | - | - | **383.2** | - | 400.0 |
| Mass Transit Fund: User Fees and General Fund | 4.2 | 95.8 | - | **95.8** | - | - | - | - | **95.8** | - | 100.0 |
| | **21.0** | **479.0** | **-** | **479.0** | **-** | **-** | **-** | **-** | **479.0** | **-** | **500.0** |
| **Expansion Buses for Sun Tran** | | | | | | | | | | | |
| Mass Transit Fund: Federal Grants | - | - | 4,262.1 | **4,262.1** | 4,648.0 | 1,660.0 | 3,403.0 | 2,041.8 | **16,014.9** | - | 16,014.9 |
| Regional Transportation Authority Fund | - | 2,400.0 | 873.0 | **3,273.0** | 952.0 | 340.0 | 11,357.0 | 3,698.2 | **19,620.2** | - | 19,620.2 |
| | **-** | **2,400.0** | **5,135.1** | **7,535.1** | **5,600.0** | **2,000.0** | **14,760.0** | **5,740.0** | **35,635.1** | **-** | **35,635.1** |
| **Expansion Vans for Van Tran** | | | | | | | | | | | |
| Mass Transit Fund: Federal Grants | 0.1 | 466.5 | - | **466.5** | 141.1 | 141.1 | 141.1 | 141.1 | **1,030.9** | - | 1,031.0 |
| Mass Transit Fund: User Fees and General Fund | - | 95.6 | - | **95.6** | - | - | - | - | **95.6** | - | 95.6 |
| Regional Transportation Authority Fund | - | - | - | **-** | 28.9 | 28.9 | 28.9 | 28.9 | **115.6** | - | 115.6 |
| | **0.1** | **562.1** | **-** | **562.1** | **170.0** | **170.0** | **170.0** | **170.0** | **1,242.1** | **-** | **1,242.2** |
| **Greyhound Transit Center** | | | | | | | | | | | |
| General Fund: Certificates of Participation | 121.4 | - | - | **-** | - | - | - | - | **-** | - | 121.4 |
| Mass Transit Fund: Federal Grants | 300.0 | 1,000.0 | - | **1,000.0** | - | - | - | - | **1,000.0** | - | 1,300.0 |
| | **421.4** | **1,000.0** | **-** | **1,000.0** | **-** | **-** | **-** | **-** | **1,000.0** | **-** | **1,421.4** |
| **Houghton Park-and-Ride** | | | | | | | | | | | |
| Regional Transportation Authority Fund | 150.0 | - | 1,000.0 | **1,000.0** | 1,500.0 | 610.0 | - | - | **3,110.0** | - | 3,260.0 |
| | **150.0** | **-** | **1,000.0** | **1,000.0** | **1,500.0** | **610.0** | **-** | **-** | **3,110.0** | **-** | **3,260.0** |
| **Modern Streetcar** | | | | | | | | | | | |
| Regional Transportation Authority Fund | 301.5 | 950.0 | 1,000.0 | **1,950.0** | 8,248.5 | 9,100.0 | 9,100.0 | 7,100.0 | **35,498.5** | 51,927.0 | 87,727.0 |
| | **301.5** | **950.0** | **1,000.0** | **1,950.0** | **8,248.5** | **9,100.0** | **9,100.0** | **7,100.0** | **35,498.5** | **51,927.0** | **87,727.0** |

# Transportation - Public Transit

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Modern Streetcar Planning** | | | | | | | | | | | |
| Mass Transit Fund: Federal Grants | - | 1,003.2 | - | **1,003.2** | - | - | - | - | **1,003.2** | - | 1,003.2 |
| Regional Transportation Authority Fund | - | 250.8 | - | **250.8** | - | - | - | - | **250.8** | - | 250.8 |
| | **-** | **1,254.0** | **-** | **1,254.0** | **-** | **-** | **-** | **-** | **1,254.0** | **-** | **1,254.0** |
| **Regional Seamless Fare System** | | | | | | | | | | | |
| Regional Transportation Authority Fund | - | - | 2,650.0 | **2,650.0** | 5,582.1 | - | - | - | **8,232.1** | - | 8,232.1 |
| | **-** | **-** | **2,650.0** | **2,650.0** | **5,582.1** | **-** | **-** | **-** | **8,232.1** | **-** | **8,232.1** |
| **Replacement Buses for Sun Tran** | | | | | | | | | | | |
| Mass Transit Fund: Federal Grants | - | 8,596.4 | 2,094.6 | **10,691.0** | 3,320.0 | 5,976.0 | 7,146.3 | 5,104.5 | **32,237.8** | - | 32,237.8 |
| Mass Transit Fund: User Fees and General Fund | - | 680.0 | 272.8 | **952.8** | - | 612.0 | 697.0 | 557.6 | **2,819.4** | - | 2,819.4 |
| Regional Transportation Authority Fund | - | 617.7 | 619.2 | **1,236.9** | 680.0 | 612.0 | 766.7 | 487.9 | **3,783.5** | - | 3,783.5 |
| | **-** | **9,894.1** | **2,986.6** | **12,880.7** | **4,000.0** | **7,200.0** | **8,610.0** | **6,150.0** | **38,840.7** | **-** | **38,840.7** |
| **Replacement Vans for Van Tran** | | | | | | | | | | | |
| Mass Transit Fund: Federal Grants | - | 2,742.4 | 957.1 | **3,699.5** | 1,730.9 | 2,856.2 | 2,441.2 | 3,121.8 | **13,849.6** | - | 13,849.6 |
| Mass Transit Fund: User Fees and General Fund | - | 561.6 | 196.1 | **757.7** | 354.5 | 585.0 | 500.0 | 639.4 | **2,836.6** | - | 2,836.6 |
| | **-** | **3,304.0** | **1,153.2** | **4,457.2** | **2,085.4** | **3,441.2** | **2,941.2** | **3,761.2** | **16,686.2** | **-** | **16,686.2** |
| **Rita Ranch Park-and-Ride** | | | | | | | | | | | |
| Regional Transportation Authority Fund | - | 350.0 | 1,350.0 | **1,700.0** | - | - | - | - | **1,700.0** | - | 1,700.0 |
| | **-** | **350.0** | **1,350.0** | **1,700.0** | **-** | **-** | **-** | **-** | **1,700.0** | **-** | **1,700.0** |
| **Ronstadt Transit Center** | | | | | | | | | | | |
| Mass Transit Fund: Federal Grants | 160.0 | - | 400.0 | **400.0** | 2,000.0 | 352.6 | - | - | **2,752.6** | - | 2,912.6 |
| | **160.0** | **-** | **400.0** | **400.0** | **2,000.0** | **352.6** | **-** | **-** | **2,752.6** | **-** | **2,912.6** |
| **Sun Tran Maintenance Facility** | | | | | | | | | | | |
| Mass Transit Fund: Federal Grants | 0.1 | 5,772.2 | 1,822.3 | **7,594.5** | 5,822.3 | 5,822.3 | 822.3 | 822.3 | **20,883.7** | - | 20,883.8 |
| Regional Transportation Authority Fund | 2,640.0 | 49.7 | 11,548.0 | **11,597.7** | 8,113.1 | - | - | - | **19,710.8** | - | 22,350.8 |
| | **2,640.0** | **5,821.9** | **13,370.3** | **19,192.2** | **13,935.4** | **5,822.3** | **822.3** | **822.3** | **40,594.5** | **-** | **43,234.5** |

# Transportation - Public Transit

## Five-Year Capital Improvement Program

**($000)**

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Transit Centers Improvements** | | | | | | | | | | | |
| Mass Transit Fund: Federal Grants | - | - | 130.0 | **130.0** | 510.0 | - | - | - | **640.0** | - | 640.0 |
| Mass Transit Fund: User Fees and General Fund | - | - | 32.5 | **32.5** | 127.5 | - | - | - | **160.0** | - | 160.0 |
| | **-** | **-** | **162.5** | **162.5** | **637.5** | **-** | **-** | **-** | **800.0** | **-** | **800.0** |
| **Transit Enhancement Program** | | | | | | | | | | | |
| Mass Transit Fund: Federal Grants | - | - | - | **-** | 50.0 | 50.0 | 50.0 | 50.0 | **200.0** | - | 200.0 |
| Mass Transit Fund: User Fees and General Fund | - | - | - | **-** | 3.0 | 3.0 | 3.0 | 3.0 | **12.0** | - | 12.0 |
| | **-** | **-** | **-** | **-** | **53.0** | **53.0** | **53.0** | **53.0** | **212.0** | **-** | **212.0** |
| **Transit Headquarters Improvements** | | | | | | | | | | | |
| Mass Transit Fund: Federal Grants | - | - | - | **-** | 400.0 | - | - | - | **400.0** | - | 400.0 |
| | **-** | **-** | **-** | **-** | **400.0** | **-** | **-** | **-** | **400.0** | **-** | **400.0** |
| **Program Area Total** | **3,694.0** | **26,047.2** | **29,293.6** | **55,340.8** | **44,331.9** | **28,869.1** | **36,576.5** | **23,916.5** | **189,034.8** | **51,927.0** | **244,655.8** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Highway User Revenue Fund | - | 6.4 | 17.2 | **23.6** | 24.0 | 24.0 | 24.0 | 24.0 | **119.6** | - | 119.6 |
| Mass Transit Fund: Federal Grants | 477.0 | 19,989.6 | 9,734.8 | **29,724.4** | 18,718.3 | 16,954.2 | 14,099.9 | 11,377.5 | **90,874.3** | - | 91,351.3 |
| Mass Transit Fund: User Fees and General Fund | 4.2 | 1,433.0 | 501.4 | **1,934.4** | 485.0 | 1,200.0 | 1,200.0 | 1,200.0 | **6,019.4** | - | 6,023.6 |
| Regional Transportation Authority Fund | 3,091.5 | 4,618.2 | 19,040.2 | **23,658.4** | 25,104.6 | 10,690.9 | 21,252.6 | 11,315.0 | **92,021.5** | 51,927.0 | 147,040.0 |
| **Program Area Total** | **3,694.0** | **26,047.2** | **29,293.6** | **55,340.8** | **44,331.9** | **28,869.1** | **36,576.5** | **23,916.5** | **189,034.8** | **51,927.0** | **244,655.8** |

# Transportation - Public Transit

($000)

## ADA Transit Enhancements

**Project ID:** M013C
**Start Date:** Annual
**End Date:** Annual
**Location:** Citywide

**Description:**
Design and construct Americans with Disabilities Act (ADA) pedestrian access improvements.

**Justification:**
The Federal Transit Administration mandates that the city construct transit infrastructure improvements, which are projects that enhance service or are functionally related to existing transit facilities.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Highway User Revenue Fund | - | 6.4 | 17.2 | **23.6** | 24.0 | 24.0 | 24.0 | 24.0 | **119.6** | - | **119.6** |
| Mass Transit Fund: Federal Grants | - | 25.7 | 68.7 | **94.4** | 96.0 | 96.0 | 96.0 | 96.0 | **478.4** | - | **478.4** |
| **Total** | - | 32.1 | 85.9 | **118.0** | 120.0 | 120.0 | 120.0 | 120.0 | **598.0** | - | **598.0** |

## Compressed Natural Gas Facility

**Project ID:** M511
**Start Date:** 7/06
**End Date:** 6/09
**Location:** Ward 5

**Description:**
Rehabilitate and renovate Sun Tran's compressed natural gas (CNG) facility, including the upgrade or replacement of computer software and hardware.

**Justification:**
These upgrades will improve fueling efficiency and increase the CNG storage capacity on buses, which will extend route operating times between refuelings.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Mass Transit Fund: Federal Grants | 16.8 | 383.2 | - | **383.2** | - | - | - | - | **383.2** | - | **400.0** |
| Mass Transit Fund: User Fees and General Fund | 4.2 | 95.8 | - | **95.8** | - | - | - | - | **95.8** | - | **100.0** |
| **Total** | 21.0 | 479.0 | - | **479.0** | - | - | - | - | **479.0** | - | **500.0** |

# Transportation - Public Transit

($000)

## Expansion Buses for Sun Tran

**Project ID:** M019C
**Start Date:** 7/08
**End Date:** 6/13
**Location:** Citywide

**Description:**
Purchase approximately 88 expansion buses. This capital project is part of an overall Sun Tran expansion program. Funds for this project rely on existing and future contracts with the Federal Transit Administration and the Regional Transportation Authority.

**Justification:**
The addition of these buses will permit Sun Tran to provide more service hours. Service expansion is part of the Regional Transportation Authority Plan, which was approved by voters in May 2006.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Mass Transit Fund: Federal Grants | - | - | 4,262.1 | **4,262.1** | 4,648.0 | 1,660.0 | 3,403.0 | 2,041.8 | **16,014.9** | - | **16,014.9** |
| Regional Transportation Authority Fund | - | 2,400.0 | 873.0 | **3,273.0** | 952.0 | 340.0 | 11,357.0 | 3,698.2 | **19,620.2** | - | **19,620.2** |
| **Total** | - | 2,400.0 | 5,135.1 | **7,535.1** | 5,600.0 | 2,000.0 | 14,760.0 | 5,740.0 | **35,635.1** | - | **35,635.1** |

## Expansion Vans for Van Tran

**Project ID:** M014C
**Start Date:** 7/08
**End Date:** 6/13
**Location:** Citywide

**Description:**
Purchase approximately 15 expansion vans. This capital project is part of an overall Van Tran expansion program. Funds for this project rely on existing and future contracts with the Federal Transit Administration and the Regional Transportation Authority.

**Justification:**
The addition of these vans will permit Van Tran to provide more service hours and reduce the trip denial rate.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Mass Transit Fund: Federal Grants | 0.1 | 466.5 | - | **466.5** | 141.1 | 141.1 | 141.1 | 141.1 | **1,030.9** | - | **1,031.0** |
| Mass Transit Fund: User Fees and General Fund | - | 95.6 | - | **95.6** | - | - | - | - | **95.6** | - | **95.6** |
| Regional Transportation Authority Fund | - | - | - | **-** | 28.9 | 28.9 | 28.9 | 28.9 | **115.6** | - | **115.6** |
| **Total** | 0.1 | 562.1 | - | **562.1** | 170.0 | 170.0 | 170.0 | 170.0 | **1,242.1** | - | **1,242.2** |

# Transportation - Public Transit

($000)

## Greyhound Transit Center

**Project ID:** M528
**Start Date:** 7/05
**End Date:** 6/09
**Location:** Ward 2

**Description:**
Design and construct an inter-city bus transit facility, with parking, storage, office, and passenger facilities.

**Justification:**
Relocation of the Greyhound Terminal from its current location is needed to accomodate the future hotel and arena.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| General Fund: Certificates of Participation | 121.4 | - | - | **-** | - | - | - | - | **-** | - | **121.4** |
| Mass Transit Fund: Federal Grants | 300.0 | 1,000.0 | - | **1,000.0** | - | - | - | - | **1,000.0** | - | **1,300.0** |
| **Total** | 421.4 | 1,000.0 | - | **1,000.0** | - | - | - | - | **1,000.0** | - | **1,421.4** |

## Houghton Park-and-Ride

**Project ID:** MRC1
**Start Date:** 7/08
**End Date:** 6/11
**Location:** Ward 2

**Description:**
Design and construct a Park-and-Ride Facility located on the eastside along the Houghton Road Corridor.

**Justification:**
The project is included in the Transit Element of the Regional Transportation Plan approved by voters in May 2006 and was approved by Mayor and Council on October 16, 2007.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Regional Transportation Authority Fund | 150.0 | - | 1,000.0 | **1,000.0** | 1,500.0 | 610.0 | - | - | **3,110.0** | - | **3,260.0** |
| **Total** | 150.0 | - | 1,000.0 | **1,000.0** | 1,500.0 | 610.0 | - | - | **3,110.0** | - | **3,260.0** |

# Transportation - Public Transit

($000)

## Modern Streetcar

**Project ID:** MRC3
**Start Date:** 7/06
**End Date:** 6/26
**Location:** Wards 1, 3, and 6

**Description:**
Design and construct a modern, high-capacity streetcar that will cover a 4-mile area from the University Medical Center, through the University of Arizona campus and downtown, to the redevelopment area on the westside of Interstate 10.

**Justification:**
This project is included in the Transit Element of the Regional Transportation Plan approved by voters in May 2006 and approved by Mayor and Council on April 10, 2007.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Regional Transportation Authority Fund | 301.5 | 950.0 | 1,000.0 | **1,950.0** | 8,248.5 | 9,100.0 | 9,100.0 | 7,100.0 | **35,498.5** | 51,927.0 | **87,727.0** |
| **Total** | 301.5 | 950.0 | 1,000.0 | **1,950.0** | 8,248.5 | 9,100.0 | 9,100.0 | 7,100.0 | **35,498.5** | 51,927.0 | **87,727.0** |

## Modern Streetcar Planning

**Project ID:** M158
**Start Date:** 7/08
**End Date:** 6/09
**Location:** Wards 1, 3, and 6

**Description:**
Planning for a modern, high-capacity streetcar.

**Justification:**
In April 2007, the Mayor and Council approved the recommendations from an Alternatives Analysis that included developing a streetcar system that will cover a 4-mile area from the University Medical Center, through the University of Arizona campus and downtown, to the redevelopment area on the westside of Interstate 10.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Mass Transit Fund: Federal Grants | - | 1,003.2 | - | **1,003.2** | - | - | - | - | **1,003.2** | - | **1,003.2** |
| Regional Transportation Authority Fund | - | 250.8 | - | **250.8** | - | - | - | - | **250.8** | - | **250.8** |
| **Total** | - | 1,254.0 | - | **1,254.0** | - | - | - | - | **1,254.0** | - | **1,254.0** |

# Transportation - Public Transit

($000)

## Regional Seamless Fare System

**Project ID:** MRC9
**Start Date:** 7/08
**End Date:** 7/10
**Location:** Citywide

**Description:**
Plan, design, and construct a regional seamless fare collection system. This regional fare collection system includes smart card technology and global positioning system capabilities.

**Justification:**
Sun Tran's current fare box and fare collection system is becoming obsolete. The new system will allow transit administrators to collect more data about ridership and allow riders to transfer from one system to another.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Regional Transportation Authority Fund | - | - | 2,650.0 | **2,650.0** | 5,582.1 | - | - | - | **8,232.1** | - | **8,232.1** |
| **Total** | - | - | 2,650.0 | **2,650.0** | 5,582.1 | - | - | - | **8,232.1** | - | **8,232.1** |

## Replacement Buses for Sun Tran

**Project ID:** M007C
**Start Date:** Annual
**End Date:** Annual
**Location:** Citywide

**Description:**
Purchase approximately 90 replacement buses.

**Justification:**
To maximize operational efficiency, buses are scheduled for replacement at the end of their useful life of 12 years or 500,000 miles.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Mass Transit Fund: Federal Grants | - | 8,596.4 | 2,094.6 | **10,691.0** | 3,320.0 | 5,976.0 | 7,146.3 | 5,104.5 | **32,237.8** | - | **32,237.8** |
| Mass Transit Fund: User Fees and General Fund | - | 680.0 | 272.8 | **952.8** | - | 612.0 | 697.0 | 557.6 | **2,819.4** | - | **2,819.4** |
| Regional Transportation Authority Fund | - | 617.7 | 619.2 | **1,236.9** | 680.0 | 612.0 | 766.7 | 487.9 | **3,783.5** | - | **3,783.5** |
| **Total** | - | 9,894.1 | 2,986.6 | **12,880.7** | 4,000.0 | 7,200.0 | 8,610.0 | 6,150.0 | **38,840.7** | - | **38,840.7** |

# Transportation - Public Transit

($000)

## Replacement Vans for Van Tran

**Project ID:** M012C
**Start Date:** Annual
**End Date:** Annual
**Location:** Citywide

**Description:**
Purchase approximately 225 replacement vans.

**Justification:**
To maximize operational efficiency, vans are scheduled for replacement at the end of their useful life of four years or 100,000 miles.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mass Transit Fund: Federal Grants | - | 2,742.4 | 957.1 | **3,699.5** | 1,730.9 | 2,856.2 | 2,441.2 | 3,121.8 | **13,849.6** | - | **13,849.6** |
| Mass Transit Fund: User Fees and General Fund | - | 561.6 | 196.1 | **757.7** | 354.5 | 585.0 | 500.0 | 639.4 | **2,836.6** | - | **2,836.6** |
| **Total** | - | 3,304.0 | 1,153.2 | **4,457.2** | 2,085.4 | 3,441.2 | 2,941.2 | 3,761.2 | **16,686.2** | - | **16,686.2** |

## Rita Ranch Park-and-Ride

**Project ID:** MRC4
**Start Date:** 7/08
**End Date:** 6/09
**Location:** Ward 4

**Description:**
Design and construct a park-and-ride facility located on the southeast side along the Houghton Road corridor. The facility will accommodate 100 to 150 parking spaces with turn-around space for Sun Tran buses.

**Justification:**
This project is included in the Transit Element of the Regional Transportation Plan and approved by Mayor and Council on October 16, 2007.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Regional Transportation Authority Fund | - | 350.0 | 1,350.0 | **1,700.0** | - | - | - | - | **1,700.0** | - | **1,700.0** |
| **Total** | - | 350.0 | 1,350.0 | **1,700.0** | - | - | - | - | **1,700.0** | - | **1,700.0** |

# Transportation - Public Transit

($000)

## Ronstadt Transit Center

**Project ID:** M611
**Start Date:** 7/05
**End Date:** 6/11
**Location:** Ward 6

**Description:**
Design and construct modifications to the Ronstadt Transit Center to create space for a mixed-use facility on the southern edge (Congress Street frontage). This project will also include circulation studies, modifications required for transit movements, and intersection improvements for transit service.

**Justification:**
Rio Nuevo plans have suggested that Congress Street would make for a good pedestrian, housing, retail, and restaurant district. This project will allow for those changes and ensure the positive future at the Ronstadt Transit Center for transit vehicles.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Mass Transit Fund: Federal Grants | 160.0 | - | 400.0 | **400.0** | 2,000.0 | 352.6 | - | - | **2,752.6** | - | **2,912.6** |
| **Total** | 160.0 | - | 400.0 | **400.0** | 2,000.0 | 352.6 | - | - | **2,752.6** | - | **2,912.6** |

## Sun Tran Maintenance Facility

**Project ID:** M017C
**Start Date:** 7/96
**End Date:** 6/13
**Location:** Ward 3

**Description:**
Design and construct a bus storage and maintenance facility for 250 buses that includes an operations building, a maintenance building, fare retrieval, and fuel, wash, and bus canopies.

**Justification:**
The current facility at Park and Ajo was built in 1976 and is operating beyond its designed capacity. This facility will be required to support new services required in the RTA Transit plan. This project was approved by Mayor and Council January 17, 2007 for RTA funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Mass Transit Fund: Federal Grants | 0.1 | 5,772.2 | 1,822.3 | **7,594.5** | 5,822.3 | 5,822.3 | 822.3 | 822.3 | **20,883.7** | - | **20,883.8** |
| Regional Transportation Authority Fund | 2,640.0 | 49.7 | 11,548.0 | **11,597.7** | 8,113.1 | - | - | - | **19,710.8** | - | **22,350.8** |
| **Total** | 2,640.0 | 5,821.9 | 13,370.3 | **19,192.2** | 13,935.4 | 5,822.3 | 822.3 | 822.3 | **40,594.5** | - | **43,234.5** |

# Transportation - Public Transit

($000)

## Transit Centers Improvements

**Project ID:** M853
**Start Date:** 7/09
**End Date:** 6/10
**Location:** Citywide

**Description:**
Design and construct improvements and upgrades to existing Sun Tran transit centers.

**Justification:**
This project will enhance the ridership experience of Sun Tran patrons, thereby increasing the use of alternate modes of transportation.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Mass Transit Fund: Federal Grants | - | - | 130.0 | **130.0** | 510.0 | - | - | - | **640.0** | - | **640.0** |
| Mass Transit Fund: User Fees and General Fund | - | - | 32.5 | **32.5** | 127.5 | - | - | - | **160.0** | - | **160.0** |
| **Total** | - | - | 162.5 | **162.5** | 637.5 | - | - | - | **800.0** | - | **800.0** |

## Transit Enhancement Program

**Project ID:** M018C
**Start Date:** 7/09
**End Date:** 6/13
**Location:** Citywide

**Description:**
Design and construct improvements that will support the use of alternate modes, including bicycle lockers and bus shelters.

**Justification:**
These improvements are intended to increase the use of alternate modes of transportation.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Mass Transit Fund: Federal Grants | - | - | - | **-** | 50.0 | 50.0 | 50.0 | 50.0 | **200.0** | - | **200.0** |
| Mass Transit Fund: User Fees and General Fund | - | - | - | **-** | 3.0 | 3.0 | 3.0 | 3.0 | **12.0** | - | **12.0** |
| **Total** | - | - | - | **-** | 53.0 | 53.0 | 53.0 | 53.0 | **212.0** | - | **212.0** |

# Transportation - Public Transit

($000)

## Transit Headquarters Improvements

**Project ID:** M016C
**Start Date:** 7/03
**End Date:** 6/10
**Location:** Ward 1

**Description:**
Design and construct improvements to the Transit Headquarters at 149 North Stone Avenue.

**Justification:**
This facility houses activities that support the city's public transit system, including administrative and planning staff, the Americans with Disabilities Act (ADA) Regional Eligibility Office, bus pass sales, low-income bus pass certifications, paratransit ride voucher sales, and meeting and conference rooms.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Mass Transit Fund: Federal Grants | - | - | - | **-** | 400.0 | - | - | - | **400.0** | - | **400.0** |
| **Total** | - | - | - | **-** | 400.0 | - | - | - | **400.0** | - | **400.0** |

# Transportation - Street Lighting

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Amphi Neighborhood Lighting** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 100.0 | 400.0 | - | **400.0** | - | - | - | - | **400.0** | - | 500.0 |
| | **100.0** | **400.0** | **-** | **400.0** | **-** | **-** | **-** | **-** | **400.0** | **-** | **500.0** |
| **Ft. Lowell Road: Oracle to Country Club** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | 173.5 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | 223.5 |
| | **173.5** | **50.0** | **-** | **50.0** | **-** | **-** | **-** | **-** | **50.0** | **-** | **223.5** |
| **Julia Keen Neighborhood Lighting** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 150.0 | 500.0 | - | **500.0** | - | - | - | - | **500.0** | - | 650.0 |
| | **150.0** | **500.0** | **-** | **500.0** | **-** | **-** | **-** | **-** | **500.0** | **-** | **650.0** |
| **Meyers Neighborhood Lighting** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 50.0 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | 350.0 |
| | **50.0** | **300.0** | **-** | **300.0** | **-** | **-** | **-** | **-** | **300.0** | **-** | **350.0** |
| **Midvale Park Neighborhood Lighting** | | | | | | | | | | | |
| 2000 General Obligation Bond Funds | - | - | 60.0 | **60.0** | - | - | - | - | **60.0** | - | 60.0 |
| Capital Agreement Fund: Pima County Bonds | 315.6 | - | - | **-** | - | - | - | - | **-** | - | 315.6 |
| Highway User Revenue Fund | 326.0 | - | - | **-** | - | - | - | - | **-** | - | 326.0 |
| | **641.6** | **-** | **60.0** | **60.0** | **-** | **-** | **-** | **-** | **60.0** | **-** | **701.6** |
| **Program Area Total** | **1,115.1** | **1,250.0** | **60.0** | **1,310.0** | **-** | **-** | **-** | **-** | **1,310.0** | **-** | **2,425.1** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 General Obligation Bond Funds | 173.5 | 50.0 | 60.0 | **110.0** | - | - | - | - | **110.0** | - | 283.5 |
| Capital Agreement Fund: Pima County Bonds | 615.6 | 1,200.0 | - | **1,200.0** | - | - | - | - | **1,200.0** | - | 1,815.6 |
| Highway User Revenue Fund | 326.0 | - | - | **-** | - | - | - | - | **-** | - | 326.0 |
| **Program Area Total** | **1,115.1** | **1,250.0** | **60.0** | **1,310.0** | **-** | **-** | **-** | **-** | **1,310.0** | **-** | **2,425.1** |

# Transportation - Street Lighting

($000)

## Amphi Neighborhood Lighting

**Project ID:** S068
**Start Date:** 10/07
**End Date:** 6/09
**Location:** Ward 3

**Description:**
Design and construct street lighting on three streets within the Amphi Neighborhood.

**Justification:**
The neighborhood association received a Pima County Neighborhood Reinvestment grant; an intergovernmental agreement with Pima County was approved by Mayor and Council in September 2007.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 100.0 | 400.0 | - | **400.0** | - | - | - | - | **400.0** | - | **500.0** |
| **Total** | 100.0 | 400.0 | - | **400.0** | - | - | - | - | **400.0** | - | **500.0** |

## Ft. Lowell Road: Oracle to Country Club

**Project ID:** S602
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 3

**Description:**
Design and construct one mile of arterial street lighting, including the installation of fiber optic conduit.

**Justification:**
This project has been identified as the next arterial segment to be lighted with May 2000 Street Lighting Bonds.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | 173.5 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **223.5** |
| **Total** | 173.5 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **223.5** |

# Transportation - Street Lighting

($000)

## Julia Keen Neighborhood Lighting

**Project ID:** S061
**Start Date:** 12/06
**End Date:** 6/09
**Location:** Ward 5

**Description:**
Design and construct street lighting systems on various streets in the Julia Keen Neighborhood within the boundary streets of 22nd Street, Alvernon Way, Aviation Highway, and Country Club Road.

**Justification:**
The neighborhood association received a Pima County Neighborhood Reinvestment grant. These improvements will improve vehicular and pedestrian safety in the neighborhood.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 150.0 | 500.0 | - | **500.0** | - | - | - | - | **500.0** | - | **650.0** |
| **Total** | 150.0 | 500.0 | - | **500.0** | - | - | - | - | **500.0** | - | **650.0** |

## Meyers Neighborhood Lighting

**Project ID:** S067
**Start Date:** 10/07
**End Date:** 6/09
**Location:** Ward 5

**Description:**
Design and construct street lighting on various streets throughout the Meyers Neighborhood.

**Justification:**
The neighborhood association received a Pima County Neighborhood Reinvestment grant; an intergovernmental agreement has been approved by Mayor and Council.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 50.0 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | **350.0** |
| **Total** | 50.0 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | **350.0** |

# Transportation - Street Lighting

($000)

## Midvale Park Neighborhood Lighting

**Project ID:** S064

**Start Date:** 12/06
**End Date:** 6/09

**Location:** Ward 1

**Description:**
Design and construct street lighting systems in the Midvale Park Neighborhood.

**Justification:**
The neighborhood association received a Pima County Neighborhood Reinvestment grant. These improvements will improve vehicular and pedestrian safety in the neighborhood.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 General Obligation Bond Funds | - | - | 60.0 | **60.0** | - | - | - | - | **60.0** | - | **60.0** |
| Capital Agreement Fund: Pima County Bonds | 315.6 | - | - | **-** | - | - | - | - | **-** | - | **315.6** |
| Highway User Revenue Fund | 326.0 | - | - | **-** | - | - | - | - | **-** | - | **326.0** |
| **Total** | 641.6 | - | 60.0 | **60.0** | - | - | - | - | **60.0** | - | **701.6** |

# Transportation - Streets

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **22nd Street: I-10 to Tucson Boulevard** | | | | | | | | | | | |
| Highway User Revenue Fund | 0.2 | - | - | **-** | - | - | - | - | **-** | - | 0.2 |
| Regional Transportation Authority Fund | 600.0 | 600.0 | 800.0 | **1,400.0** | 3,700.0 | 6,500.0 | 8,500.0 | 13,500.0 | **33,600.0** | 70,752.0 | 104,952.0 |
| | **600.2** | **600.0** | **800.0** | **1,400.0** | **3,700.0** | **6,500.0** | **8,500.0** | **13,500.0** | **33,600.0** | **70,752.0** | **104,952.2** |
| **6th Avenue: 18th Street Intersection** | | | | | | | | | | | |
| Capital Agreement Fund: PAG | 377.0 | - | - | **-** | - | - | - | - | **-** | - | 377.0 |
| Federal Highway Administration Grants | 2,029.7 | 250.0 | - | **250.0** | - | - | - | - | **250.0** | - | 2,279.7 |
| Highway User Revenue Fund | 529.6 | - | - | **-** | - | - | - | - | **-** | - | 529.6 |
| | **2,936.3** | **250.0** | **-** | **250.0** | **-** | **-** | **-** | **-** | **250.0** | **-** | **3,186.3** |
| **Alternate Modes Improvements** | | | | | | | | | | | |
| Federal Highway Administration Grants | - | - | - | **-** | 500.0 | - | - | - | **500.0** | - | 500.0 |
| Highway User Revenue Fund | - | - | - | **-** | 29.0 | - | - | - | **29.0** | - | 29.0 |
| | **-** | **-** | **-** | **-** | **529.0** | **-** | **-** | **-** | **529.0** | **-** | **529.0** |
| **Barraza-Aviation Downtown Links, Phase I** | | | | | | | | | | | |
| Capital Agreement Fund: PAG | 1,531.2 | - | - | **-** | 2,830.0 | 4,000.0 | - | - | **6,830.0** | - | 8,361.2 |
| Regional Transportation Authority Fund | 600.0 | - | 500.0 | **500.0** | 518.0 | 1,618.0 | 1,544.0 | - | **4,180.0** | 71,354.0 | 76,134.0 |
| | **2,131.2** | **-** | **500.0** | **500.0** | **3,348.0** | **5,618.0** | **1,544.0** | **-** | **11,010.0** | **71,354.0** | **84,495.2** |
| **Barraza-Aviation Parkway: 4th Avenue Underpass** | | | | | | | | | | | |
| Capital Agreement Fund: PAG | 25,594.9 | - | 3,176.0 | **3,176.0** | 1,370.0 | - | - | - | **4,546.0** | - | 30,140.9 |
| Highway User Revenue Fund: Restricted, Section D | 103.7 | - | - | **-** | - | - | - | - | **-** | - | 103.7 |
| | **25,698.6** | **-** | **3,176.0** | **3,176.0** | **1,370.0** | **-** | **-** | **-** | **4,546.0** | **-** | **30,244.6** |
| **Broadway: Euclid to Campbell** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 1,775.3 | - | - | **-** | - | - | 8,000.0 | 8,000.0 | **16,000.0** | 7,224.7 | 25,000.0 |
| | **1,775.3** | **-** | **-** | **-** | **-** | **-** | **8,000.0** | **8,000.0** | **16,000.0** | **7,224.7** | **25,000.0** |

# Transportation - Streets

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Broadway: Euclid to Country Club** | | | | | | | | | | | |
| Capital Agreement Fund: PAG | 222.0 | - | - | **-** | 1,000.0 | - | - | - | **1,000.0** | - | 1,222.0 |
| Highway User Revenue Fund | 0.2 | - | - | **-** | - | - | - | - | **-** | - | 0.2 |
| Regional Transportation Authority Fund | 1,888.0 | - | 969.0 | **969.0** | 4,954.0 | 4,902.0 | 9,804.0 | 9,804.0 | **30,433.0** | 9,804.0 | 42,125.0 |
| | **2,110.2** | **-** | **969.0** | **969.0** | **5,954.0** | **4,902.0** | **9,804.0** | **9,804.0** | **31,433.0** | **9,804.0** | **43,347.2** |
| **Cambio Grande Street Revitalization** | | | | | | | | | | | |
| Federal Highway Administration Grants | 67.0 | 100.0 | - | **100.0** | 300.0 | - | - | - | **400.0** | - | 467.0 |
| Highway User Revenue Fund | 35.6 | - | - | **-** | - | - | - | - | **-** | - | 35.6 |
| Highway User Revenue Fund: In-Lieu Fees | 4.0 | - | - | **-** | - | - | - | - | **-** | - | 4.0 |
| | **106.6** | **100.0** | **-** | **100.0** | **300.0** | **-** | **-** | **-** | **400.0** | **-** | **506.6** |
| **Camino Seco and Wrightstown Intersection** | | | | | | | | | | | |
| Federal Highway Administration Grants | - | - | - | **-** | - | - | 2,500.0 | - | **2,500.0** | - | 2,500.0 |
| Road & Park Impact Fee Fund: East District | 100.0 | 100.0 | - | **100.0** | 100.0 | 100.0 | - | - | **300.0** | - | 400.0 |
| | **100.0** | **100.0** | **-** | **100.0** | **100.0** | **100.0** | **2,500.0** | **-** | **2,800.0** | **-** | **2,900.0** |
| **Campbell Avenue Revitalization** | | | | | | | | | | | |
| Federal Highway Administration Grants | 130.1 | 100.0 | - | **100.0** | 300.0 | 350.0 | - | - | **750.0** | - | 880.1 |
| Highway User Revenue Fund | 41.9 | - | - | **-** | - | - | - | - | **-** | - | 41.9 |
| | **172.0** | **100.0** | **-** | **100.0** | **300.0** | **350.0** | **-** | **-** | **750.0** | **-** | **922.0** |
| **Department of Justice Sidewalk Improvements** | | | | | | | | | | | |
| General Fund: Certificates of Participation | 532.9 | - | - | **-** | - | - | - | - | **-** | - | 532.9 |
| Regional Transportation Authority Fund | 1,000.0 | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | 1,500.0 |
| | **1,532.9** | **-** | **500.0** | **500.0** | **-** | **-** | **-** | **-** | **500.0** | **-** | **2,032.9** |

# Transportation - Streets

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Downtown Pedestrian Implementation** | | | | | | | | | | | |
| 1994 Street and Highway Revenue Bond Funds | 212.9 | - | - | **-** | - | - | - | - | **-** | - | 212.9 |
| Capital Agreement Fund: PAG | 335.6 | 146.0 | - | **146.0** | - | - | - | - | **146.0** | - | 481.6 |
| Highway User Revenue Fund | 136.5 | - | - | **-** | - | - | - | - | **-** | - | 136.5 |
| Highway User Revenue Fund: Restricted, Section D | 229.2 | - | - | **-** | - | - | - | - | **-** | - | 229.2 |
| | **914.2** | **146.0** | **-** | **146.0** | **-** | **-** | **-** | **-** | **146.0** | **-** | **1,060.2** |
| **El Camino del Cerro Reconstruction** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: West District | 100.0 | 400.0 | 1,000.0 | **1,400.0** | - | - | - | - | **1,400.0** | - | 1,500.0 |
| | **100.0** | **400.0** | **1,000.0** | **1,400.0** | **-** | **-** | **-** | **-** | **1,400.0** | **-** | **1,500.0** |
| **Ft. Lowell: Campbell Intersection Improvements** | | | | | | | | | | | |
| Highway User Revenue Fund | 0.4 | - | - | **-** | - | - | - | - | **-** | - | 0.4 |
| Regional Transportation Authority Fund | 473.0 | - | - | **-** | 2,659.0 | - | - | - | **2,659.0** | - | 3,132.0 |
| | **473.4** | **-** | **-** | **-** | **2,659.0** | **-** | **-** | **-** | **2,659.0** | **-** | **3,132.4** |
| **Golf Links and Kolb Intersection Design** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: Southeast District | 250.5 | - | 250.0 | **250.0** | - | - | - | - | **250.0** | - | 500.5 |
| | **250.5** | **-** | **250.0** | **250.0** | **-** | **-** | **-** | **-** | **250.0** | **-** | **500.5** |
| **Golf Links: Wilmot Intersection Improvements** | | | | | | | | | | | |
| Highway User Revenue Fund | 1.4 | - | - | **-** | - | - | - | - | **-** | - | 1.4 |
| Regional Transportation Authority Fund | 293.0 | - | 100.0 | **100.0** | 1,538.0 | - | - | - | **1,638.0** | - | 1,931.0 |
| | **294.4** | **-** | **100.0** | **100.0** | **1,538.0** | **-** | **-** | **-** | **1,638.0** | **-** | **1,932.4** |
| **Grant Road Corridor Improvement** | | | | | | | | | | | |
| Regional Transportation Authority Fund | 1,442.0 | - | - | **-** | 733.0 | 17,932.0 | 17,199.0 | 9,611.0 | **45,475.0** | 105,276.0 | 152,193.0 |
| | **1,442.0** | **-** | **-** | **-** | **733.0** | **17,932.0** | **17,199.0** | **9,611.0** | **45,475.0** | **105,276.0** | **152,193.0** |
| **Grant and Craycroft Intersection Improvement** | | | | | | | | | | | |
| Highway User Revenue Fund | 0.2 | - | - | **-** | - | - | - | - | **-** | - | 0.2 |
| Regional Transportation Authority Fund | 207.9 | 4,250.0 | 42.1 | **4,292.1** | - | - | - | - | **4,292.1** | - | 4,500.0 |
| | **208.1** | **4,250.0** | **42.1** | **4,292.1** | **-** | **-** | **-** | **-** | **4,292.1** | **-** | **4,500.2** |

# Transportation - Streets

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Harrison Road: Speedway to Old Spanish Trail** | | | | | | | | | | | |
| 2000 Street and Highway Revenue Bond Funds | 2,207.7 | - | - | **-** | - | - | - | - | **-** | - | 2,207.7 |
| Capital Agreement Fund: PAG | 1,627.8 | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | 1,677.8 |
| Federal Highway Administration Grants | 13,529.3 | - | - | **-** | - | - | - | - | **-** | - | 13,529.3 |
| Highway User Revenue Fund | 496.7 | - | - | **-** | - | - | - | - | **-** | - | 496.7 |
| | **17,861.5** | **-** | **50.0** | **50.0** | **-** | **-** | **-** | **-** | **50.0** | **-** | **17,911.5** |
| **Harrison and Wrightstown Curve Design** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: East District | 50.0 | - | 450.0 | **450.0** | - | - | - | - | **450.0** | - | 500.0 |
| | **50.0** | **-** | **450.0** | **450.0** | **-** | **-** | **-** | **-** | **450.0** | **-** | **500.0** |
| **Highland Avenue Bike and Pedestrian Improvements** | | | | | | | | | | | |
| Federal Highway Administration Grants | 1,296.7 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | 1,346.7 |
| Highway User Revenue Fund | 430.4 | 5.0 | - | **5.0** | - | - | - | - | **5.0** | - | 435.4 |
| | **1,727.0** | **55.0** | **-** | **55.0** | **-** | **-** | **-** | **-** | **55.0** | **-** | **1,782.0** |
| **Houghton Road Bridge Replacement** | | | | | | | | | | | |
| Federal Highway Administration Grants | - | - | - | **-** | 3,200.0 | 750.0 | - | - | **3,950.0** | - | 3,950.0 |
| Highway User Revenue Fund: In-Lieu Fees | 24.3 | - | - | **-** | - | - | - | - | **-** | - | 24.3 |
| | **24.3** | **-** | **-** | **-** | **3,200.0** | **750.0** | **-** | **-** | **3,950.0** | **-** | **3,974.3** |
| **Houghton Road: I-10 to Valencia** | | | | | | | | | | | |
| Highway User Revenue Fund: In-Lieu Fees | 75.8 | - | - | **-** | - | - | - | - | **-** | - | 75.8 |
| Regional Transportation Authority Fund | 1,750.0 | 100.0 | 300.0 | **400.0** | 2,250.0 | - | - | - | **2,650.0** | - | 4,400.0 |
| | **1,825.8** | **100.0** | **300.0** | **400.0** | **2,250.0** | **-** | **-** | **-** | **2,650.0** | **-** | **4,475.8** |
| **Houghton Road: Old Spanish Trail to Valencia** | | | | | | | | | | | |
| Highway User Revenue Fund: In-Lieu Fees | 0.6 | - | - | **-** | - | - | - | - | **-** | - | 0.6 |
| Regional Transportation Authority Fund | 1,500.0 | 300.0 | 100.0 | **400.0** | 2,600.0 | - | - | - | **3,000.0** | - | 4,500.0 |
| | **1,500.6** | **300.0** | **100.0** | **400.0** | **2,600.0** | **-** | **-** | **-** | **3,000.0** | **-** | **4,500.6** |

# Transportation - Streets

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Houghton Road: Speedway to Old Spanish Trail** | | | | | | | | | | | |
| Highway User Revenue Fund | 0.4 | - | - | **-** | - | - | - | - | **-** | - | 0.4 |
| Regional Transportation Authority Fund | 675.1 | 300.0 | 100.0 | **400.0** | 3,056.9 | - | - | - | **3,456.9** | - | 4,132.0 |
| | **675.5** | **300.0** | **100.0** | **400.0** | **3,056.9** | **-** | **-** | **-** | **3,456.9** | **-** | **4,132.4** |
| **Irvington and Campbell Intersection** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: West District | 500.0 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | 800.0 |
| | **500.0** | **300.0** | **-** | **300.0** | **-** | **-** | **-** | **-** | **300.0** | **-** | **800.0** |
| **Julian Wash Archaeological Improvements** | | | | | | | | | | | |
| Federal Highway Administration Grants | 1,167.4 | 10.0 | - | **10.0** | - | - | - | - | **10.0** | - | 1,177.4 |
| Highway User Revenue Fund | 166.9 | - | - | **-** | - | - | - | - | **-** | - | 166.9 |
| | **1,334.3** | **10.0** | **-** | **10.0** | **-** | **-** | **-** | **-** | **10.0** | **-** | **1,344.3** |
| **Kino Parkway Overpass at 22nd Street** | | | | | | | | | | | |
| Capital Agreement Fund: Pima County Bonds | 1,962.7 | - | - | **-** | 2,000.0 | 6,037.3 | - | - | **8,037.3** | - | 10,000.0 |
| | **1,962.7** | **-** | **-** | **-** | **2,000.0** | **6,037.3** | **-** | **-** | **8,037.3** | **-** | **10,000.0** |
| **Kolb Road Extension** | | | | | | | | | | | |
| Regional Transportation Authority Fund | - | - | 420.0 | **420.0** | 430.0 | 4,133.0 | 5,133.0 | - | **10,116.0** | - | 10,116.0 |
| | **-** | **-** | **420.0** | **420.0** | **430.0** | **4,133.0** | **5,133.0** | **-** | **10,116.0** | **-** | **10,116.0** |
| **Miscellaneous Developer-Funded Improvements** | | | | | | | | | | | |
| Highway User Revenue Fund: Contributions | - | - | 200.0 | **200.0** | 200.0 | 200.0 | 200.0 | 200.0 | **1,000.0** | - | 1,000.0 |
| Highway User Revenue Fund: In-Lieu Fees | - | - | 1,000.0 | **1,000.0** | 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | **5,000.0** | - | 5,000.0 |
| | **-** | **-** | **1,200.0** | **1,200.0** | **1,200.0** | **1,200.0** | **1,200.0** | **1,200.0** | **6,000.0** | **-** | **6,000.0** |
| **Miscellaneous Street Improvements** | | | | | | | | | | | |
| Highway User Revenue Fund | - | 158.0 | 546.0 | **704.0** | 554.0 | 550.0 | 550.0 | 1,000.0 | **3,358.0** | - | 3,358.0 |
| | **-** | **158.0** | **546.0** | **704.0** | **554.0** | **550.0** | **550.0** | **1,000.0** | **3,358.0** | **-** | **3,358.0** |

# Transportation - Streets

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Mountain Avenue: Roger Road to Ft. Lowell Road** | | | | | | | | | | | |
| 2000 Street and Highway Revenue Bond Funds | 411.0 | - | - | **-** | - | - | - | - | **-** | - | 411.0 |
| Federal Highway Administration Grants | - | - | - | **-** | 505.0 | 1,928.0 | - | - | **2,433.0** | - | 2,433.0 |
| Highway User Revenue Fund | 1,642.9 | - | 242.7 | **242.7** | 147.0 | 353.0 | - | - | **742.7** | - | 2,385.6 |
| Highway User Revenue Fund: Restricted, Section D | 1.3 | - | - | **-** | - | - | - | - | **-** | - | 1.3 |
| State Infrastructure Bank Federal Pass-Through | 3,000.0 | - | 5,005.0 | **5,005.0** | 5,995.0 | - | - | - | **11,000.0** | - | 14,000.0 |
| | **5,055.2** | **-** | **5,247.7** | **5,247.7** | **6,647.0** | **2,281.0** | **-** | **-** | **14,175.7** | **-** | **19,230.9** |
| **Oracle and Drachman Main Intersection** | | | | | | | | | | | |
| Capital Agreement Fund: PAG | 1,715.0 | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | 1,765.0 |
| | **1,715.0** | **-** | **50.0** | **50.0** | **-** | **-** | **-** | **-** | **50.0** | **-** | **1,765.0** |
| **Park and Euclid Bicycle and Pedestrian Bridge** | | | | | | | | | | | |
| Capital Agreement Fund: PAG | 372.3 | - | - | **-** | - | - | - | - | **-** | - | 372.3 |
| Federal Highway Administration Grants | 3,879.1 | 20.0 | - | **20.0** | - | - | - | - | **20.0** | - | 3,899.1 |
| Highway User Revenue Fund | 329.9 | - | - | **-** | - | - | - | - | **-** | - | 329.9 |
| Highway User Revenue Fund: Restricted, Section D | 25.9 | - | - | **-** | - | - | - | - | **-** | - | 25.9 |
| | **4,607.2** | **20.0** | **-** | **20.0** | **-** | **-** | **-** | **-** | **20.0** | **-** | **4,627.2** |
| **Road Resurfacing, Restoration, & Rehabilitation** | | | | | | | | | | | |
| Federal Highway Administration Grants | - | - | 5,205.0 | **5,205.0** | 8,300.0 | 4,000.0 | 5,000.0 | 5,000.0 | **27,505.0** | - | 27,505.0 |
| Highway User Revenue Fund | - | - | - | **-** | 72.4 | 285.0 | 285.0 | 285.0 | **927.4** | - | 927.4 |
| | **-** | **-** | **5,205.0** | **5,205.0** | **8,372.4** | **4,285.0** | **5,285.0** | **5,285.0** | **28,432.4** | **-** | **28,432.4** |
| **Santa Rita Park Pedestrian Enhancements** | | | | | | | | | | | |
| Federal Highway Administration Grants | - | 186.0 | - | **186.0** | - | - | - | - | **186.0** | - | 186.0 |
| Highway User Revenue Fund | 90.2 | - | - | **-** | - | - | - | - | **-** | - | 90.2 |
| | **90.2** | **186.0** | **-** | **186.0** | **-** | **-** | **-** | **-** | **186.0** | **-** | **276.2** |
| **Silverbell: Ina to Grant Road** | | | | | | | | | | | |
| Regional Transportation Authority Fund | - | - | 500.0 | **500.0** | 2,723.0 | 2,083.0 | 8,580.0 | - | **13,886.0** | - | 13,886.0 |
| | **-** | **-** | **500.0** | **500.0** | **2,723.0** | **2,083.0** | **8,580.0** | **-** | **13,886.0** | **-** | **13,886.0** |

# Transportation - Streets

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **South 4th Avenue Streetscape Enhancement** | | | | | | | | | | | |
| Capital Agreement Fund | 29.9 | - | - | **-** | - | - | - | - | **-** | - | 29.9 |
| Federal Highway Administration Grants | 23.9 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | 323.9 |
| Highway User Revenue Fund | 178.0 | - | - | **-** | - | - | - | - | **-** | - | 178.0 |
| | **231.8** | **300.0** | **-** | **300.0** | **-** | **-** | **-** | **-** | **300.0** | **-** | **531.8** |
| **Speedway and Main Intersection Improvements** | | | | | | | | | | | |
| 2000 Street and Highway Revenue Bond Funds | 49.8 | - | - | **-** | - | - | - | - | **-** | - | 49.8 |
| Capital Agreement Fund: PAG | 894.0 | 200.0 | - | **200.0** | 256.0 | - | - | - | **456.0** | - | 1,350.0 |
| Highway User Revenue Fund | 7.6 | - | - | **-** | - | - | - | - | **-** | - | 7.6 |
| | **951.4** | **200.0** | **-** | **200.0** | **256.0** | **-** | **-** | **-** | **456.0** | **-** | **1,407.4** |
| **Speedway: Camino Seco to Houghton** | | | | | | | | | | | |
| Highway User Revenue Fund: In-Lieu Fees | 301.5 | - | - | **-** | - | - | - | - | **-** | - | 301.5 |
| Regional Transportation Authority Fund | 755.0 | - | 300.0 | **300.0** | 798.0 | 6,136.0 | 6,136.0 | - | **13,370.0** | - | 14,125.0 |
| | **1,056.5** | **-** | **300.0** | **300.0** | **798.0** | **6,136.0** | **6,136.0** | **-** | **13,370.0** | **-** | **14,426.5** |
| **Starr Pass and Mission Intersection Improvements** | | | | | | | | | | | |
| Highway User Revenue Fund | 0.3 | - | - | **-** | - | - | - | - | **-** | - | 0.3 |
| Regional Transportation Authority Fund | 359.7 | 200.0 | - | **200.0** | 1,088.3 | 2,200.0 | - | - | **3,488.3** | - | 3,848.0 |
| | **360.0** | **200.0** | **-** | **200.0** | **1,088.3** | **2,200.0** | **-** | **-** | **3,488.3** | **-** | **3,848.3** |
| **Stone Ave: Drachman and Speedway Improvements** | | | | | | | | | | | |
| 1994 Street and Highway Revenue Bond Funds | 569.8 | - | - | **-** | - | - | - | - | **-** | - | 569.8 |
| Capital Agreement Fund: PAG | 1,407.8 | - | - | **-** | 250.0 | 750.0 | 6,500.0 | - | **7,500.0** | - | 8,907.8 |
| | **1,977.6** | **-** | **-** | **-** | **250.0** | **750.0** | **6,500.0** | **-** | **7,500.0** | **-** | **9,477.6** |
| **Stone Avenue: Pedestrian Safety Improvements** | | | | | | | | | | | |
| Federal Highway Administration Grants | 10.8 | 205.0 | - | **205.0** | - | - | - | - | **205.0** | - | 215.8 |
| Highway User Revenue Fund | 21.1 | 19.0 | - | **19.0** | - | - | - | - | **19.0** | - | 40.1 |
| | **31.9** | **224.0** | **-** | **224.0** | **-** | **-** | **-** | **-** | **224.0** | **-** | **255.9** |

# Transportation - Streets

## Five-Year Capital Improvement Program

**($000)**

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Tanque Verde and Dos Hombres Intersection** | | | | | | | | | | | |
| Road & Park Impact Fee Fund: East District | 50.0 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | 250.0 |
| | **50.0** | **200.0** | **-** | **200.0** | **-** | **-** | **-** | **-** | **200.0** | **-** | **250.0** |
| **Treat Avenue Pedestrian Bridge** | | | | | | | | | | | |
| Federal Highway Administration Grants | - | - | 166.0 | **166.0** | - | - | - | - | **166.0** | - | 166.0 |
| Highway User Revenue Fund | - | - | 36.0 | **36.0** | - | - | - | - | **36.0** | - | 36.0 |
| | **-** | **-** | **202.0** | **202.0** | **-** | **-** | **-** | **-** | **202.0** | **-** | **202.0** |
| **Tyndall Avenue Enhancements** | | | | | | | | | | | |
| Federal Highway Administration Grants | 81.1 | 400.0 | - | **400.0** | - | - | - | - | **400.0** | - | 481.1 |
| Highway User Revenue Fund | 18.9 | 10.0 | - | **10.0** | - | - | - | - | **10.0** | - | 28.9 |
| | **100.0** | **410.0** | **-** | **410.0** | **-** | **-** | **-** | **-** | **410.0** | **-** | **510.0** |

# Transportation - Streets

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Wilmot at Park Place Intersection Improvements** | | | | | | | | | | | |
| Regional Transportation Authority Fund | 245.0 | - | 50.0 | **50.0** | 1,110.0 | 245.0 | - | - | **1,405.0** | - | 1,650.0 |
| | **245.0** | **-** | **50.0** | **50.0** | **1,110.0** | **245.0** | **-** | **-** | **1,405.0** | **-** | **1,650.0** |
| **Program Area Total** | **84,779.3** | **8,909.0** | **22,057.8** | **30,966.8** | **57,066.6** | **66,052.3** | **80,931.0** | **48,400.0** | **283,416.7** | **264,410.7** | **632,606.7** |
| **Source of Funds Summary** | | | | | | | | | | | |
| 1994 Street and Highway Revenue Bond Funds | 782.7 | - | - | **-** | - | - | - | - | **-** | - | 782.7 |
| 2000 Street and Highway Revenue Bond Funds | 2,668.5 | - | - | **-** | - | - | - | - | **-** | - | 2,668.5 |
| Capital Agreement Fund | 29.9 | - | - | **-** | - | - | - | - | **-** | - | 29.9 |
| Capital Agreement Fund: PAG | 34,077.6 | 346.0 | 3,276.0 | **3,622.0** | 5,706.0 | 4,750.0 | 6,500.0 | - | **20,578.0** | - | 54,655.6 |
| Capital Agreement Fund: Pima County Bonds | 3,738.0 | - | - | **-** | 2,000.0 | 6,037.3 | 8,000.0 | 8,000.0 | **24,037.3** | 7,224.7 | 35,000.0 |
| Federal Highway Administration Grants | 22,215.1 | 1,621.0 | 5,371.0 | **6,992.0** | 13,105.0 | 7,028.0 | 7,500.0 | 5,000.0 | **39,625.0** | - | 61,840.1 |
| General Fund: Certificates of Participation | 532.9 | - | - | **-** | - | - | - | - | **-** | - | 532.9 |
| Highway User Revenue Fund | 4,129.2 | 192.0 | 824.7 | **1,016.7** | 802.4 | 1,188.0 | 835.0 | 1,285.0 | **5,127.1** | - | 9,256.3 |
| Highway User Revenue Fund: Contributions | - | - | 200.0 | **200.0** | 200.0 | 200.0 | 200.0 | 200.0 | **1,000.0** | - | 1,000.0 |
| Highway User Revenue Fund: In-Lieu Fees | 406.2 | - | 1,000.0 | **1,000.0** | 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | **5,000.0** | - | 5,406.2 |
| Highway User Revenue Fund: Restricted, Section D | 360.1 | - | - | **-** | - | - | - | - | **-** | - | 360.1 |
| Regional Transportation Authority Fund | 11,788.6 | 5,750.0 | 4,681.1 | **10,431.1** | 28,158.2 | 45,749.0 | 56,896.0 | 32,915.0 | **174,149.3** | 257,186.0 | 443,123.9 |
| Road & Park Impact Fee Fund: East District | 200.0 | 300.0 | 450.0 | **750.0** | 100.0 | 100.0 | - | - | **950.0** | - | 1,150.0 |
| Road & Park Impact Fee Fund: Southeast District | 250.5 | - | 250.0 | **250.0** | - | - | - | - | **250.0** | - | 500.5 |
| Road & Park Impact Fee Fund: West District | 600.0 | 700.0 | 1,000.0 | **1,700.0** | - | - | - | - | **1,700.0** | - | 2,300.0 |
| State Infrastructure Bank Federal Pass-Through | 3,000.0 | - | 5,005.0 | **5,005.0** | 5,995.0 | - | - | - | **11,000.0** | - | 14,000.0 |
| **Program Area Total** | **84,779.3** | **8,909.0** | **22,057.8** | **30,966.8** | **57,066.6** | **66,052.3** | **80,931.0** | **48,400.0** | **283,416.7** | **264,410.7** | **632,606.7** |

# Transportation - Streets

($000)

## 22nd Street: I-10 to Tucson Boulevard

**Project ID:** SR5A
**Start Date:** 7/07
**End Date:** 7/23
**Location:** Wards 1 and 5

**Description:**
Design and construct improvements along this segment of the 22nd Street corridor project, including the selection of an alignment for approval by the Mayor and Council. Improvements will include widening 22nd Street to a 6-lane, divided roadway with full urban amenities, including storm drains, sidewalks, street lighting, and landscaping.

**Justification:**
This project was approved by Mayor and Council on December 5, 2006 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Highway User Revenue Fund | 0.2 | - | - | **-** | - | - | - | - | **-** | - | **0.2** |
| Regional Transportation Authority Fund | 600.0 | 600.0 | 800.0 | **1,400.0** | 3,700.0 | 6,500.0 | 8,500.0 | 13,500.0 | **33,600.0** | 70,752.0 | **104,952.0** |
| **Total** | 600.2 | 600.0 | 800.0 | **1,400.0** | 3,700.0 | 6,500.0 | 8,500.0 | 13,500.0 | **33,600.0** | 70,752.0 | **104,952.2** |

## 6th Avenue: 18th Street Intersection

**Project ID:** S30J
**Start Date:** 7/99
**End Date:** 6/09
**Location:** Wards 5 and 6 (within Rio Nuevo District)

**Description:**
Design and construct a new traffic signal at the intersection of 6th Avenue with 18th Street and Stone Avenue. This project includes the conversion of both Stone Avenue and 6th Avenue, from 18th Street to Congress Street, to two-way streets with parkway landscaping. Also included in the project is the widening of 6th Avenue, from 18th Street to 19th Street, to match the existing improvements that are south of 19th Street.

**Justification:**
These improvements will support downtown revitalization efforts by improving the traffic circulation along the southern gateway.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: PAG | 377.0 | - | - | **-** | - | - | - | - | **-** | - | **377.0** |
| Federal Highway Administration Grants | 2,029.7 | 250.0 | - | **250.0** | - | - | - | - | **250.0** | - | **2,279.7** |
| Highway User Revenue Fund | 529.6 | - | - | **-** | - | - | - | - | **-** | - | **529.6** |
| **Total** | 2,936.3 | 250.0 | - | **250.0** | - | - | - | - | **250.0** | - | **3,186.3** |

# Transportation - Streets

($000)

## Alternate Modes Improvements

**Project ID:** S109
**Start Date:** 7/09
**End Date:** 6/10
**Location:** Ward 3

**Description:**
Design and construct an off-road multi-use path along Tucson Boulevard, from Prince Road north to the Rillito River.

**Justification:**
These improvements are needed to ensure a safe area of use for alternate modes along Tucson Boulevard.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Federal Highway Administration Grants | - | - | - | **-** | 500.0 | - | - | - | **500.0** | - | **500.0** |
| Highway User Revenue Fund | - | - | - | **-** | 29.0 | - | - | - | **29.0** | - | **29.0** |
| **Total** | - | - | - | **-** | 529.0 | - | - | - | **529.0** | - | **529.0** |

## Barraza-Aviation Downtown Links, Phase I

**Project ID:** S30N
**Start Date:** 7/95
**End Date:** 6/16
**Location:** Wards 1 and 6

**Description:**
Design and construct a 4-lane roadway from 6th to Broadway Boulevard (east of railroad tracks). The local match requirement for Regional Transportation Authority funding has been satisfied by expenditures on other segments of the Barraza-Aviation Parkway.

**Justification:**
These improvements will support downtown revitalization and improve traffic flow. These improvements also support the Barraza-Aviation Parkway.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: PAG | 1,531.2 | - | - | **-** | 2,830.0 | 4,000.0 | - | - | **6,830.0** | - | **8,361.2** |
| Regional Transportation Authority Fund | 600.0 | - | 500.0 | **500.0** | 518.0 | 1,618.0 | 1,544.0 | - | **4,180.0** | 71,354.0 | **76,134.0** |
| **Total** | 2,131.2 | - | 500.0 | **500.0** | 3,348.0 | 5,618.0 | 1,544.0 | - | **11,010.0** | 71,354.0 | **84,495.2** |

# Transportation - Streets

($000)

## Barraza-Aviation Parkway: 4th Avenue Underpass

**Project ID:** S30B
**Start Date:** 7/96
**End Date:** 6/10
**Location:** Wards 1 and 6 (within Rio Nuevo District)

**Description:**
Design and construct a new underpass for automobile traffic at 4th Avenue adjacent to the existing underpass. The existing underpass will be renovated for pedestrian and bicycle traffic. Other project improvements will include sidewalks, lighting, storm drainage extending from 4th Avenue to Broadway Boulevard, public art, landscaped plazas, and two bicycle and pedestrian bridges.

**Justification:**
These improvements will support downtown revitalization effort by improving automobile, pedestrian, and bicycle access from 4th Avenue to downtown.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: PAG | 25,594.9 | - | 3,176.0 | **3,176.0** | 1,370.0 | - | - | - | **4,546.0** | - | **30,140.9** |
| Highway User Revenue Fund: Restricted, Section D | 103.7 | - | - | **-** | - | - | - | - | **-** | - | **103.7** |
| **Total** | 25,698.6 | - | 3,176.0 | **3,176.0** | 1,370.0 | - | - | - | **4,546.0** | - | **30,244.6** |

## Broadway: Euclid to Campbell

**Project ID:** S352
**Start Date:** 7/05
**End Date:** 6/14
**Location:** Wards 5 and 6 (within Rio Nuevo District)

**Description:**
Design and construct one mile of Broadway Boulevard to a 6-lane, divided cross-section roadway with transit lane. The one mile section will be upgraded to a full urban roadway, including continuous sidewalks, street lighting, landscaping, and storm drains. This work will be consistent with the Mayor and Council approved Broadway Corridor Study.

**Justification:**
These improvements are needed to alleviate congestion along Broadway Boulevard.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: Pima County Bonds | 1,775.3 | - | - | **-** | - | - | 8,000.0 | 8,000.0 | **16,000.0** | 7,224.7 | **25,000.0** |
| **Total** | 1,775.3 | - | - | **-** | - | - | 8,000.0 | 8,000.0 | **16,000.0** | 7,224.7 | **25,000.0** |

# Transportation - Streets

($000)

## Broadway: Euclid to Country Club

**Project ID:** SR3A
**Start Date:** 1/07
**End Date:** 7/14
**Location:** Wards 5 and 6

**Description:**
Design and construct the Broadway corridor project that will widen Broadway to six lanes plus bus lanes. Phase I will include the re-evaluation and selection of an alignment for approval by the City of Tucson Mayor and Council. Subsequent phases will include roadway planning and design and land planning.

**Justification:**
This project was approved by Mayor and Council on January 23, 2007 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: PAG | 222.0 | - | - | **-** | 1,000.0 | - | - | - | **1,000.0** | - | **1,222.0** |
| Highway User Revenue Fund | 0.2 | - | - | **-** | - | - | - | - | **-** | - | **0.2** |
| Regional Transportation Authority Fund | 1,888.0 | - | 969.0 | **969.0** | 4,954.0 | 4,902.0 | 9,804.0 | 9,804.0 | **30,433.0** | 9,804.0 | **42,125.0** |
| **Total** | 2,110.2 | - | 969.0 | **969.0** | 5,954.0 | 4,902.0 | 9,804.0 | 9,804.0 | **31,433.0** | 9,804.0 | **43,347.2** |

## Cambio Grande Street Revitalization

**Project ID:** S035
**Start Date:** 1/06
**End Date:** 6/10
**Location:** Ward 1

**Description:**
Design and construct pedestrian enhancements along Grande Avenue, between St. Mary's and Speedway.

**Justification:**
This is a federal Transportation Enhancement Grant project.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Federal Highway Administration Grants | 67.0 | 100.0 | - | **100.0** | 300.0 | - | - | - | **400.0** | - | **467.0** |
| Highway User Revenue Fund | 35.6 | - | - | **-** | - | - | - | - | **-** | - | **35.6** |
| Highway User Revenue Fund: In-Lieu Fees | 4.0 | - | - | **-** | - | - | - | - | **-** | - | **4.0** |
| **Total** | 106.6 | 100.0 | - | **100.0** | 300.0 | - | - | - | **400.0** | - | **506.6** |

# Transportation - Streets

($000)

## Camino Seco and Wrightstown Intersection

**Project ID:** SM04
**Start Date:** 7/07
**End Date:** 6/12
**Location:** Ward 2

**Description:**
Reconstruct and improve the Camino Seco and Wrightstown intersection.

**Justification:**
This project is necessary to alleviate congestion and safety issues at this intersection.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Highway Administration Grants | - | - | - | **-** | - | - | 2,500.0 | - | **2,500.0** | - | **2,500.0** |
| Road & Park Impact Fee Fund: East District | 100.0 | 100.0 | - | **100.0** | 100.0 | 100.0 | - | - | **300.0** | - | **400.0** |
| **Total** | 100.0 | 100.0 | - | **100.0** | 100.0 | 100.0 | 2,500.0 | - | **2,800.0** | - | **2,900.0** |

## Campbell Avenue Revitalization

**Project ID:** S237
**Start Date:** 7/06
**End Date:** 6/11
**Location:** Ward 3

**Description:**
Design and construct streetscape improvements along Campbell Avenue between Ft. Lowell and Grant Road.

**Justification:**
These improvements will promote the revitalization of this commercial corridor.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Highway Administration Grants | 130.1 | 100.0 | - | **100.0** | 300.0 | 350.0 | - | - | **750.0** | - | **880.1** |
| Highway User Revenue Fund | 41.9 | - | - | **-** | - | - | - | - | **-** | - | **41.9** |
| **Total** | 172.0 | 100.0 | - | **100.0** | 300.0 | 350.0 | - | - | **750.0** | - | **922.0** |

# Transportation - Streets

($000)

## Department of Justice Sidewalk Improvements

**Project ID:** S111
**Start Date:** 7/06
**End Date:** 6/09
**Location:** Citywide

**Description:**
Construct Americans with Disability Act (ADA) compliant improvements within the public rights-of-way.

**Justification:**
These improvements are needed to satisfy the requirements of the 2005 Department of Justice audit.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| General Fund: Certificates of Participation | 532.9 | - | - | **-** | - | - | - | - | **-** | - | **532.9** |
| Regional Transportation Authority Fund | 1,000.0 | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | **1,500.0** |
| **Total** | 1,532.9 | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | **2,032.9** |

## Downtown Pedestrian Implementation

**Project ID:** S101
**Start Date:** 7/02
**End Date:** 6/09
**Location:** Ward 1 (within Rio Nuevo District)

**Description:**
Design and construct pedestrian improvements in the downtown area, ensuring that American with Disabilities Act (ADA) compliance requirements are met.

**Justification:**
These improvements were recommended by the 1994 City Center Vision and Strategic Plan and were on the prioritized list in the Downtown Tucson Pedestrian Implementation Plan.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1994 Street and Highway Revenue Bond Funds | 212.9 | - | - | **-** | - | - | - | - | **-** | - | **212.9** |
| Capital Agreement Fund: PAG | 335.6 | 146.0 | - | **146.0** | - | - | - | - | **146.0** | - | **481.6** |
| Highway User Revenue Fund | 136.5 | - | - | **-** | - | - | - | - | **-** | - | **136.5** |
| Highway User Revenue Fund: Restricted, Section D | 229.2 | - | - | **-** | - | - | - | - | **-** | - | **229.2** |
| **Total** | 914.2 | 146.0 | - | **146.0** | - | - | - | - | **146.0** | - | **1,060.2** |

# Transportation - Streets

($000)

## El Camino del Cerro Reconstruction

**Project ID:** SM06
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 1

**Description:**
Reconstruct El Camino del Cerro to a 3-lane cross-section with pedestrian pathways.

**Justification:**
This roadway has reached its capacity and is in need of safety and congestion relief improvements.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Road & Park Impact Fee Fund: West District | 100.0 | 400.0 | 1,000.0 | **1,400.0** | - | - | - | - | **1,400.0** | - | **1,500.0** |
| **Total** | 100.0 | 400.0 | 1,000.0 | **1,400.0** | - | - | - | - | **1,400.0** | - | **1,500.0** |

## Ft. Lowell: Campbell Intersection Improvements

**Project ID:** SN03
**Start Date:** 12/06
**End Date:** 6/10
**Location:** Ward 3

**Description:**
Design and construct improvements at the intersection of Ft. Lowell Road and Campbell Avenue, consisting of right turn lanes and bus pullouts. Continuous sidewalks, upgraded traffic signals, and drainage improvements will also be constructed.

**Justification:**
This project was approved by Mayor and Council on December 5, 2006 for Regional Transportation Authority funding; improvements will increase the intersections capacity and enhance traffic safety.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Highway User Revenue Fund | 0.4 | - | - | **-** | - | - | - | - | **-** | - | **0.4** |
| Regional Transportation Authority Fund | 473.0 | - | - | **-** | 2,659.0 | - | - | - | **2,659.0** | - | **3,132.0** |
| **Total** | 473.4 | - | - | **-** | 2,659.0 | - | - | - | **2,659.0** | - | **3,132.4** |

# Transportation - Streets

($000)

## Golf Links and Kolb Intersection Design

**Project ID:** SM05
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 4

**Description:**
Design intersection improvements, including dual left turn lanes, right turn lanes, and bus pullouts. Construction is contingent upon future revenues; an allocation from the Regional Transportation Authority is under review.

**Justification:**
This project is necessary due to congestion and safety issues at this intersection.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Road & Park Impact Fee Fund: Southeast District | 250.5 | - | 250.0 | **250.0** | - | - | - | - | **250.0** | - | **500.5** |
| **Total** | 250.5 | - | 250.0 | **250.0** | - | - | - | - | **250.0** | - | **500.5** |

## Golf Links: Wilmot Intersection Improvements

**Project ID:** SN02
**Start Date:** 12/06
**End Date:** 6/10
**Location:** Ward 4

**Description:**
Design and construct improvements at the intersection of Golf Links Road and Wilmot Road, consisting of dual left turn lanes, right turn lanes, and bus pullouts. Continuous sidewalks, upgraded traffic signals, and drainage improvements will also be constructed.

**Justification:**
These improvements will enhance traffic safety at this intersection. The project was approved by Mayor and Council on December 5, 2006 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Highway User Revenue Fund | 1.4 | - | - | **-** | - | - | - | - | **-** | - | **1.4** |
| Regional Transportation Authority Fund | 293.0 | - | 100.0 | **100.0** | 1,538.0 | - | - | - | **1,638.0** | - | **1,931.0** |
| **Total** | 294.4 | - | 100.0 | **100.0** | 1,538.0 | - | - | - | **1,638.0** | - | **1,932.4** |

# Transportation - Streets

($000)

## Grant and Craycroft Intersection Improvement

**Project ID:** SN01
**Start Date:** 12/06
**End Date:** 6/09
**Location:** Wards 2 and 6

**Description:**
Construct improvements at the intersection of Grant Road and Craycroft Road, consisting of dual left turn lanes, right turn lanes, and bus pullouts. Continuous sidewalks, upgraded traffic signals, and drainage improvements will also be constructed.

**Justification:**
These improvements will enhance traffic safety at this intersection. The project was approved by Mayor and Council on December 5, 2006 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Highway User Revenue Fund | 0.2 | - | - | **-** | - | - | - | - | **-** | - | **0.2** |
| Regional Transportation Authority Fund | 207.9 | 4,250.0 | 42.1 | **4,292.1** | - | - | - | - | **4,292.1** | - | **4,500.0** |
| **Total** | 208.1 | 4,250.0 | 42.1 | **4,292.1** | - | - | - | - | **4,292.1** | - | **4,500.2** |

## Grant Road Corridor Improvement

**Project ID:** SR2A
**Start Date:** 1/07
**End Date:** 7/22
**Location:** Wards 2, 3, and 6

**Description:**
Design and construct the improvements along Grant Road from Oracle to Swan Road. This project includes the selection of an alignment for approval by the Mayor and Council.

**Justification:**
This project was approved by Mayor and Council on January 23, 2007 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Regional Transportation Authority Fund | 1,442.0 | - | - | **-** | 733.0 | 17,932.0 | 17,199.0 | 9,611.0 | **45,475.0** | 105,276.0 | **152,193.0** |
| **Total** | 1,442.0 | - | - | **-** | 733.0 | 17,932.0 | 17,199.0 | 9,611.0 | **45,475.0** | 105,276.0 | **152,193.0** |

# Transportation - Streets

($000)

## Harrison and Wrightstown Curve Design

**Project ID:** SM03
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 2

**Description:**
Design and construct a center left turn lane through the Harrison and Wrightstown curve.

**Justification:**
This project is necessary due to congestion and safety issues at this road curve.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| Road & Park Impact Fee Fund: East District | 50.0 | - | 450.0 | **450.0** | - | - | - | - | **450.0** | - | **500.0** |
| **Total** | 50.0 | - | 450.0 | **450.0** | - | - | - | - | **450.0** | - | **500.0** |

## Harrison Road: Speedway to Old Spanish Trail

**Project ID:** S025
**Start Date:** 7/01
**End Date:** 6/09
**Location:** Ward 2

**Description:**
Design and construct a 4-lane divided arterial roadway with curbs, sidewalks, storm drains, street lighting, bike lanes, and landscaping.

**Justification:**
These improvements will improve traffic safety and increase roadway carrying capacity.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| 2000 Street and Highway Revenue Bond Funds | 2,207.7 | - | - | **-** | - | - | - | - | **-** | - | **2,207.7** |
| Capital Agreement Fund: PAG | 1,627.8 | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | **1,677.8** |
| Federal Highway Administration Grants | 13,529.3 | - | - | **-** | - | - | - | - | **-** | - | **13,529.3** |
| Highway User Revenue Fund | 496.7 | - | - | **-** | - | - | - | - | **-** | - | **496.7** |
| **Total** | 17,861.5 | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | **17,911.5** |

# Transportation - Streets

($000)

## Highland Avenue Bike and Pedestrian Improvements

**Project ID:** S149
**Start Date:** 3/99
**End Date:** 6/09
**Location:** Wards 5 and 6

**Description:**
Design and construct streetscape improvements along Highland Avenue from 6th Street to Arroyo Chico. Improvements will include sidewalks, bike lanes, landscaping, and street lighting.

**Justification:**
These improvements will enhance the alternate modes opportunities along Highland Avenue.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Federal Highway Administration Grants | 1,296.7 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **1,346.7** |
| Highway User Revenue Fund | 430.4 | 5.0 | - | **5.0** | - | - | - | - | **5.0** | - | **435.4** |
| **Total** | 1,727.0 | 55.0 | - | **55.0** | - | - | - | - | **55.0** | - | **1,782.0** |

## Houghton Road Bridge Replacement

**Project ID:** S150
**Start Date:** 7/06
**End Date:** 6/11
**Location:** Ward 4

**Description:**
Design and construct the bridge segment of Houghton Road to six lanes.

**Justification:**
This is a State of Arizona project with a federal earmark under the Safe Accountable Flexible Efficient Transportation Equity Act - Legacy for Users Program.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Federal Highway Administration Grants | - | - | - | **-** | 3,200.0 | 750.0 | - | - | **3,950.0** | - | **3,950.0** |
| Highway User Revenue Fund: In-Lieu Fees | 24.3 | - | - | **-** | - | - | - | - | **-** | - | **24.3** |
| **Total** | 24.3 | - | - | **-** | 3,200.0 | 750.0 | - | - | **3,950.0** | - | **3,974.3** |

# Transportation - Streets

($000)

## Houghton Road: I-10 to Valencia

**Project ID:** SR1A
**Start Date:** 7/06
**End Date:** 6/10
**Location:** Wards 2 and 4

**Description:**
Design and construct this segment of Houghton Road from four to six lanes. The project will include a desert parkway, bike lanes, and sidewalks.

**Justification:**
This project was approved by the Mayor and Council on May 1, 2007 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Highway User Revenue Fund: In-Lieu Fees | 75.8 | - | - | **-** | - | - | - | - | **-** | - | **75.8** |
| Regional Transportation Authority Fund | 1,750.0 | 100.0 | 300.0 | **400.0** | 2,250.0 | - | - | - | **2,650.0** | - | **4,400.0** |
| **Total** | 1,825.8 | 100.0 | 300.0 | **400.0** | 2,250.0 | - | - | - | **2,650.0** | - | **4,475.8** |

## Houghton Road: Old Spanish Trail to Valencia

**Project ID:** SR1B
**Start Date:** 7/06
**End Date:** 6/10
**Location:** Ward 4

**Description:**
Design and construct this segment of Houghton Road from four to six lanes. The project will include a desert parkway, bike lanes, and sidewalks.

**Justification:**
This project was approved by Mayor and Council on May 1, 2007 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Highway User Revenue Fund: In-Lieu Fees | 0.6 | - | - | **-** | - | - | - | - | **-** | - | **0.6** |
| Regional Transportation Authority Fund | 1,500.0 | 300.0 | 100.0 | **400.0** | 2,600.0 | - | - | - | **3,000.0** | - | **4,500.0** |
| **Total** | 1,500.6 | 300.0 | 100.0 | **400.0** | 2,600.0 | - | - | - | **3,000.0** | - | **4,500.6** |

# Transportation - Streets

($000)

## Houghton Road: Speedway to Old Spanish Trail

**Project ID:** SR1C
**Start Date:** 7/06
**End Date:** 6/10
**Location:** Wards 2 and 4

**Description:**
Design and re-construct this segment of Houghton Road from four to six lanes. This project will include a desert parkway, bike lanes, and sidewalks.

**Justification:**
This project was approved by Mayor and Council on May 1, 2007 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Highway User Revenue Fund | 0.4 | - | - | **-** | - | - | - | - | **-** | - | **0.4** |
| Regional Transportation Authority Fund | 675.1 | 300.0 | 100.0 | **400.0** | 3,056.9 | - | - | - | **3,456.9** | - | **4,132.0** |
| **Total** | 675.5 | 300.0 | 100.0 | **400.0** | 3,056.9 | - | - | - | **3,456.9** | - | **4,132.4** |

## Irvington and Campbell Intersection

**Project ID:** SM01
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 5

**Description:**
Design and construct right turn lanes on the eastbound and westbound approaches to the Irvington and Campbell intersection.

**Justification:**
This project is necessary due to congestion and safety issues at this intersection.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Road & Park Impact Fee Fund: West District | 500.0 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | **800.0** |
| **Total** | 500.0 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | **800.0** |

# Transportation - Streets

($000)

## Julian Wash Archaeological Improvements

**Project ID:** S197
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 1

**Description:**
Aquire land, plan, design, and construct a walking path adjacent to the Julian Wash and an interpretive historic trail.

**Justification:**
Tucson historic preservation project.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Highway Administration Grants | 1,167.4 | 10.0 | - | **10.0** | - | - | - | - | **10.0** | - | **1,177.4** |
| Highway User Revenue Fund | 166.9 | - | - | **-** | - | - | - | - | **-** | - | **166.9** |
| **Total** | 1,334.3 | 10.0 | - | **10.0** | - | - | - | - | **10.0** | - | **1,344.3** |

## Kino Parkway Overpass at 22nd Street

**Project ID:** S351
**Start Date:** 7/05
**End Date:** 6/11
**Location:** Ward 5

**Description:**
Design and construct an overpass for Kino Parkway at 22nd Street. Improvements will include signal coordination along 22nd Street and on- and off-ramps for improved access.

**Justification:**
These improvements are needed to reduce congestion at the Kino Parkway and 22nd Street intersection and improve traffic flow along both roads. Funding is subject to Pima County's 1997 Highway Bond sale schedule.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Capital Agreement Fund: Pima County Bonds | 1,962.7 | - | - | **-** | 2,000.0 | 6,037.3 | - | - | **8,037.3** | - | **10,000.0** |
| **Total** | 1,962.7 | - | - | **-** | 2,000.0 | 6,037.3 | - | - | **8,037.3** | - | **10,000.0** |

# Transportation - Streets

($000)

## Kolb Road Extension

**Project ID:** SR8A
**Start Date:** 7/09
**End Date:** 6/12
**Location:** Ward 2

**Description:**
Design and construct a new road stretching from the intersection of Sabino Canyon and Tanque Verde to just north of the intersection at Kolb Road and Speedway Boulevard.

**Justification:**
This project was approved as part of the May 2006 Regional Transportation Plan.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Regional Transportation Authority Fund | - | - | 420.0 | **420.0** | 430.0 | 4,133.0 | 5,133.0 | - | **10,116.0** | - | **10,116.0** |
| **Total** | - | - | 420.0 | **420.0** | 430.0 | 4,133.0 | 5,133.0 | - | **10,116.0** | - | **10,116.0** |

## Miscellaneous Developer-Funded Improvements

**Project ID:** S183
**Start Date:** Annual
**End Date:** Annual
**Location:** Citywide

**Description:**
Design and construct improvements within the public right-of-way. Funding for this project is from contributions made by developers and in-lieu fees paid by developers.

**Justification:**
This project provides budget capacity for developer-funded improvements.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Highway User Revenue Fund: Contributions | - | - | 200.0 | **200.0** | 200.0 | 200.0 | 200.0 | 200.0 | **1,000.0** | - | **1,000.0** |
| Highway User Revenue Fund: In-Lieu Fees | - | - | 1,000.0 | **1,000.0** | 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | **5,000.0** | - | **5,000.0** |
| **Total** | - | - | 1,200.0 | **1,200.0** | 1,200.0 | 1,200.0 | 1,200.0 | 1,200.0 | **6,000.0** | - | **6,000.0** |

# Transportation - Streets

($000)

## Miscellaneous Street Improvements

**Project ID:** S100
**Start Date:** Annual
**End Date:** Annual
**Location:** Citywide

**Description:**
Budget capacity to design and construct minor street and spot improvements. Specific locations will be identified in the year of construction. Typical improvements include manhole reconstructions, railroad grade crossing modifications, and curb reconstructions. This project also includes budget capacity for local matches if grants are secured for transportation enhancements.

**Justification:**
This project allows for the immediate response to minor infrastructure needs.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Highway User Revenue Fund | - | 158.0 | 546.0 | **704.0** | 554.0 | 550.0 | 550.0 | 1,000.0 | **3,358.0** | - | **3,358.0** |
| **Total** | - | 158.0 | 546.0 | **704.0** | 554.0 | 550.0 | 550.0 | 1,000.0 | **3,358.0** | - | **3,358.0** |

## Mountain Avenue: Roger Road to Ft. Lowell Road

**Project ID:** S022
**Start Date:** 7/99
**End Date:** 6/11
**Location:** Ward 3

**Description:**
Design and construct roadway improvements that are consistent with the improvements along Mountain Avenue south of Ft. Lowell Road, including curbing, storm drainage, bike lanes, and landscaping.

**Justification:**
These improvements will complete the alternate modes corridor established along other segments of Mountain Avenue and continue the city's commitment to drainage and flood control.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Street and Highway Revenue Bond Funds | 411.0 | - | - | **-** | - | - | - | - | **-** | - | **411.0** |
| Federal Highway Administration Grants | - | - | - | **-** | 505.0 | 1,928.0 | - | - | **2,433.0** | - | **2,433.0** |
| Highway User Revenue Fund | 1,642.9 | - | 242.7 | **242.7** | 147.0 | 353.0 | - | - | **742.7** | - | **2,385.6** |
| Highway User Revenue Fund: Restricted, Section D | 1.3 | - | - | **-** | - | - | - | - | **-** | - | **1.3** |
| State Infrastructure Bank Federal Pass-Through | 3,000.0 | - | 5,005.0 | **5,005.0** | 5,995.0 | - | - | - | **11,000.0** | - | **14,000.0** |
| **Total** | 5,055.2 | - | 5,247.7 | **5,247.7** | 6,647.0 | 2,281.0 | - | - | **14,175.7** | - | **19,230.9** |

# Transportation - Streets

($000)

## Oracle and Drachman Main Intersection

**Project ID:** S187
**Start Date:** 7/06
**End Date:** 6/09
**Location:** Ward 3

**Description:**
Design and construct improvements to this intersection in accordance with the recommendations outlined in the Stone Avenue Corridor Study. Improvements include reconstruction of the curved roadway into a traditional 3-legged intersection, allowing for the redirection of the main travel direction along Oracle Road and Main Avenue.

**Justification:**
These improvements follow the recommendations made in the Mayor and Council approved Stone Avenue Corridor Study.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: PAG | 1,715.0 | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | **1,765.0** |
| **Total** | 1,715.0 | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | **1,765.0** |

## Park and Euclid Bicycle and Pedestrian Bridge

**Project ID:** S30E
**Start Date:** 7/98
**End Date:** 6/09
**Location:** Wards 5 and 6 (within Rio Nuevo District)

**Description:**
Design and construct a multiple use bridge over Park Avenue/Euclid Avenue at the Union Pacific Railroad and the Barraza-Aviation Parkway.

**Justification:**
This bridge will be the final link that connects the existing multiple use path with the multiple use bridge at Broadway Boulevard.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: PAG | 372.3 | - | - | **-** | - | - | - | - | **-** | - | **372.3** |
| Federal Highway Administration Grants | 3,879.1 | 20.0 | - | **20.0** | - | - | - | - | **20.0** | - | **3,899.1** |
| Highway User Revenue Fund | 329.9 | - | - | **-** | - | - | - | - | **-** | - | **329.9** |
| Highway User Revenue Fund: Restricted, Section D | 25.9 | - | - | **-** | - | - | - | - | **-** | - | **25.9** |
| **Total** | 4,607.2 | 20.0 | - | **20.0** | - | - | - | - | **20.0** | - | **4,627.2** |

# Transportation - Streets

($000)

## Road Resurfacing, Restoration, & Rehabilitation

**Project ID:** S108
**Start Date:** Annual
**End Date:** Annual
**Location:** Citywide

**Description:**
Resurface, restore, and rehabilitate pavements on eligible streets.

**Justification:**
These improvements will maintain safe roadway surfaces and structural integrity.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Highway Administration Grants | - | - | 5,205.0 | **5,205.0** | 8,300.0 | 4,000.0 | 5,000.0 | 5,000.0 | **27,505.0** | - | **27,505.0** |
| Highway User Revenue Fund | - | - | - | **-** | 72.4 | 285.0 | 285.0 | 285.0 | **927.4** | - | **927.4** |
| **Total** | - | - | 5,205.0 | **5,205.0** | 8,372.4 | 4,285.0 | 5,285.0 | 5,285.0 | **28,432.4** | - | **28,432.4** |

## Santa Rita Park Pedestrian Enhancements

**Project ID:** S01D
**Start Date:** 7/06
**End Date:** 6/09
**Location:** Ward 6

**Description:**
Design and construct pedestrian improvements in the Armory Park Neighborhood.

**Justification:**
This is a federal Transportation Enhancement Grant project.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Highway Administration Grants | - | 186.0 | - | **186.0** | - | - | - | - | **186.0** | - | **186.0** |
| Highway User Revenue Fund | 90.2 | - | - | **-** | - | - | - | - | **-** | - | **90.2** |
| **Total** | 90.2 | 186.0 | - | **186.0** | - | - | - | - | **186.0** | - | **276.2** |

# Transportation - Streets

($000)

## Silverbell: Ina to Grant Road

**Project ID:** SR6A
**Start Date:** 7/08
**End Date:** 6/12
**Location:** City and County

**Description:**
Design and construct this Silverbell Road corridor project, widening the street to a 4-lane divided roadway from Grant Road to Ina Road.

**Justification:**
This project was approved as part of the May 2006 Regional Transportation Plan.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Regional Transportation Authority Fund | - | - | 500.0 | **500.0** | 2,723.0 | 2,083.0 | 8,580.0 | - | **13,886.0** | - | **13,886.0** |
| **Total** | - | - | 500.0 | **500.0** | 2,723.0 | 2,083.0 | 8,580.0 | - | **13,886.0** | - | **13,886.0** |

## South 4th Avenue Streetscape Enhancement

**Project ID:** S177
**Start Date:** 7/03
**End Date:** 6/09
**Location:** Ward 5

**Description:**
Design and construct pedestrian improvements along south 4th Avenue between 22nd Street and the South Tucson city limits. Improvements will include sidewalks, landscaping, and roadway curvature similar to the roadway alignment within South Tucson.

**Justification:**
This project satisfies the requirements of a federal Transportation Enhancement Grant.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund | 29.9 | - | - | **-** | - | - | - | - | **-** | - | **29.9** |
| Federal Highway Administration Grants | 23.9 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | **323.9** |
| Highway User Revenue Fund | 178.0 | - | - | **-** | - | - | - | - | **-** | - | **178.0** |
| **Total** | 231.8 | 300.0 | - | **300.0** | - | - | - | - | **300.0** | - | **531.8** |

# Transportation - Streets

($000)

## Speedway and Main Intersection Improvements

**Project ID:** S179
**Start Date:** 7/06
**End Date:** 6/10
**Location:** Wards 1 and 6

**Description:**
Reconstruct the intersection to include two left turn lanes from southbound Main to eastbound Speedway.

**Justification:**
This project will help improve the traffic flow and increase roadway carrying capacity at this intersection and at the Stone and Speedway intersection.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Street and Highway Revenue Bond Funds | 49.8 | - | - | **-** | - | - | - | - | **-** | - | **49.8** |
| Capital Agreement Fund: PAG | 894.0 | 200.0 | - | **200.0** | 256.0 | - | - | - | **456.0** | - | **1,350.0** |
| Highway User Revenue Fund | 7.6 | - | - | **-** | - | - | - | - | **-** | - | **7.6** |
| **Total** | 951.4 | 200.0 | - | **200.0** | 256.0 | - | - | - | **456.0** | - | **1,407.4** |

## Speedway: Camino Seco to Houghton

**Project ID:** SR4A
**Start Date:** 7/06
**End Date:** 6/12
**Location:** Ward 4

**Description:**
Widen the roadway to 4-lane arterial with bike lanes and sidewalks.

**Justification:**
This project was approved by Mayor and Council on August 6, 2007 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Highway User Revenue Fund: In-Lieu Fees | 301.5 | - | - | **-** | - | - | - | - | **-** | - | **301.5** |
| Regional Transportation Authority Fund | 755.0 | - | 300.0 | **300.0** | 798.0 | 6,136.0 | 6,136.0 | - | **13,370.0** | - | **14,125.0** |
| **Total** | 1,056.5 | - | 300.0 | **300.0** | 798.0 | 6,136.0 | 6,136.0 | - | **13,370.0** | - | **14,426.5** |

# Transportation - Streets

($000)

## Starr Pass and Mission Intersection Improvements

**Project ID:** SN04
**Start Date:** 12/06
**End Date:** 6/11
**Location:** Ward 1

**Description:**
Reconstruct the intersection to encourage northbound Mission Road traffic to exit at Starr Pass Boulevard.

**Justification:**
These modifications will reduce cut-through traffic using Mission Road. This project was approved by Mayor and Council on December 5, 2006 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Highway User Revenue Fund | 0.3 | - | - | **-** | - | - | - | - | **-** | - | **0.3** |
| Regional Transportation Authority Fund | 359.7 | 200.0 | - | **200.0** | 1,088.3 | 2,200.0 | - | - | **3,488.3** | - | **3,848.0** |
| **Total** | 360.0 | 200.0 | - | **200.0** | 1,088.3 | 2,200.0 | - | - | **3,488.3** | - | **3,848.3** |

## Stone Ave: Drachman and Speedway Improvements

**Project ID:** S14W
**Start Date:** 7/00
**End Date:** 6/12
**Location:** Wards 1, 3, and 6 (within Rio Nuevo District)

**Description:**
Design and construct gateway and intersection improvements along Stone Avenue, from Drachman to Speedway Boulevard.

**Justification:**
These improvements will enhance this northern gateway into downtown.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 1994 Street and Highway Revenue Bond Funds | 569.8 | - | - | **-** | - | - | - | - | **-** | - | **569.8** |
| Capital Agreement Fund: PAG | 1,407.8 | - | - | **-** | 250.0 | 750.0 | 6,500.0 | - | **7,500.0** | - | **8,907.8** |
| **Total** | 1,977.6 | - | - | **-** | 250.0 | 750.0 | 6,500.0 | - | **7,500.0** | - | **9,477.6** |

# Transportation - Streets

($000)

## Stone Avenue: Pedestrian Safety Improvements

**Project ID:** S181
**Start Date:** 7/03
**End Date:** 6/09
**Location:** Ward 3

**Description:**
Construct three landscaped median islands on Stone Avenue between Roger Road and Limberlost.

**Justification:**
These traffic mitigation measures will reduce travel speeds through the Stone Avenue curves and improve pedestrian safety at this location.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Federal Highway Administration Grants | 10.8 | 205.0 | - | **205.0** | - | - | - | - | **205.0** | - | **215.8** |
| Highway User Revenue Fund | 21.1 | 19.0 | - | **19.0** | - | - | - | - | **19.0** | - | **40.1** |
| **Total** | 31.9 | 224.0 | - | **224.0** | - | - | - | - | **224.0** | - | **255.9** |

## Tanque Verde and Dos Hombres Intersection

**Project ID:** SM02
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 2

**Description:**
Design and construct an eastbound right turn lane at this intersection.

**Justification:**
This project is necessary due to congestion and safety issues at this intersection.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Road & Park Impact Fee Fund: East District | 50.0 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | **250.0** |
| **Total** | 50.0 | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | **250.0** |

# Transportation - Streets

($000)

## Treat Avenue Pedestrian Bridge

**Project ID:** S01F
**Start Date:** 7/08
**End Date:** 6/09
**Location:** Ward 6

**Description:**
Design and construct walkway improvements to the existing pedestrian bridge at Treat Avenue and Arroyo Chico.

**Justification:**
These improvements are needed to comply with current Americans with Disabilities Act standards.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Federal Highway Administration Grants | - | - | 166.0 | **166.0** | - | - | - | - | **166.0** | - | **166.0** |
| Highway User Revenue Fund | - | - | 36.0 | **36.0** | - | - | - | - | **36.0** | - | **36.0** |
| **Total** | - | - | 202.0 | **202.0** | - | - | - | - | **202.0** | - | **202.0** |

## Tyndall Avenue Enhancements

**Project ID:** S195
**Start Date:** 7/05
**End Date:** 6/09
**Location:** Ward 6

**Description:**
Design and construct bicycle and pedestrian improvements, including sidewalks, bicycle lanes, handicap ramps, and streetscape from 6th Street to University Boulevard.

**Justification:**
These improvements will support university revitalization efforts by providing a safe pedestrian-oriented area and improving traffic circulation.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Federal Highway Administration Grants | 81.1 | 400.0 | - | **400.0** | - | - | - | - | **400.0** | - | **481.1** |
| Highway User Revenue Fund | 18.9 | 10.0 | - | **10.0** | - | - | - | - | **10.0** | - | **28.9** |
| **Total** | 100.0 | 410.0 | - | **410.0** | - | - | - | - | **410.0** | - | **510.0** |

# Transportation - Streets

($000)

## Wilmot at Park Place Intersection Improvements

**Project ID:** SN05

**Start Date:** 12/06
**End Date:** 6/11

**Location:** Ward 6

**Description:**
Design, acquire right-of-way, and reconstruct the intersection of Wilmot Road and the entrance to Park Place Mall.

**Justification:**
This project will resolve operational problems, as well as construct a southbound right turn lane for safety purposes. This project was approved by Mayor and Council on December 5, 2006 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Regional Transportation Authority Fund | 245.0 | - | 50.0 | **50.0** | 1,110.0 | 245.0 | - | - | **1,405.0** | - | **1,650.0** |
| **Total** | 245.0 | - | 50.0 | **50.0** | 1,110.0 | 245.0 | - | - | **1,405.0** | - | **1,650.0** |

# Transportation - Traffic Signals

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Changeable Message Signs** | | | | | | | | | | | |
| Capital Agreement Fund: PAG | 100.0 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | 150.0 |
| Highway User Revenue Fund | 30.3 | 11.0 | - | **11.0** | - | - | - | - | **11.0** | - | 41.3 |
| | **130.3** | **61.0** | **-** | **61.0** | **-** | **-** | **-** | **-** | **61.0** | **-** | **191.3** |
| **Communication System Improvements** | | | | | | | | | | | |
| 2000 Street and Highway Revenue Bond Funds | 3.0 | - | - | **-** | - | - | - | - | **-** | - | 3.0 |
| Federal Highway Administration Grants | - | 200.0 | - | **200.0** | 250.0 | 250.0 | - | - | **700.0** | - | 700.0 |
| Highway User Revenue Fund | - | 72.0 | - | **72.0** | - | - | - | - | **72.0** | - | 72.0 |
| | **3.0** | **272.0** | **-** | **272.0** | **250.0** | **250.0** | **-** | **-** | **772.0** | **-** | **775.0** |
| **Control Center to South Tucson Connection** | | | | | | | | | | | |
| 2000 Street and Highway Revenue Bond Funds | 22.2 | - | - | **-** | - | - | - | - | **-** | - | 22.2 |
| Federal Highway Administration Grants | - | 100.0 | - | **100.0** | - | - | - | - | **100.0** | - | 100.0 |
| Highway User Revenue Fund | 1.0 | 10.2 | - | **10.2** | - | - | - | - | **10.2** | - | 11.2 |
| | **23.2** | **110.2** | **-** | **110.2** | **-** | **-** | **-** | **-** | **110.2** | **-** | **133.4** |
| **Harrison/Golf Links Communication Project** | | | | | | | | | | | |
| 2000 Street and Highway Revenue Bond Funds | 24.0 | - | - | **-** | - | - | - | - | **-** | - | 24.0 |
| Federal Highway Administration Grants | - | 150.0 | - | **150.0** | - | - | - | - | **150.0** | - | 150.0 |
| Highway User Revenue Fund | - | 15.0 | - | **15.0** | - | - | - | - | **15.0** | - | 15.0 |
| | **24.0** | **165.0** | **-** | **165.0** | **-** | **-** | **-** | **-** | **165.0** | **-** | **189.0** |
| **Intelligent Transportation System Improvements** | | | | | | | | | | | |
| 1994 Street and Highway Revenue Bond Funds | 41.8 | - | - | **-** | - | - | - | - | **-** | - | 41.8 |
| 2000 Street and Highway Revenue Bond Funds | 139.1 | - | - | **-** | - | - | - | - | **-** | - | 139.1 |
| Capital Agreement Fund | 73.4 | - | - | **-** | - | - | - | - | **-** | - | 73.4 |
| Federal Highway Administration Grants | 37.8 | 37.0 | - | **37.0** | - | - | - | - | **37.0** | - | 74.8 |
| Highway User Revenue Fund | - | 5.0 | - | **5.0** | - | - | - | - | **5.0** | - | 5.0 |
| | **292.1** | **42.0** | **-** | **42.0** | **-** | **-** | **-** | **-** | **42.0** | **-** | **334.1** |

# Transportation - Traffic Signals

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Intelligent Transportation System: ATLAS** | | | | | | | | | | | |
| Regional Transportation Authority Fund | 66.9 | 33.1 | - | **33.1** | - | - | - | - | **33.1** | - | 100.0 |
| | **66.9** | **33.1** | **-** | **33.1** | **-** | **-** | **-** | **-** | **33.1** | **-** | **100.0** |
| **Living Transportation Laboratory** | | | | | | | | | | | |
| 2000 Street and Highway Revenue Bond Funds | 1.7 | - | - | **-** | - | - | - | - | **-** | - | 1.7 |
| Federal Highway Administration Grants | 87.0 | 38.0 | - | **38.0** | - | - | - | - | **38.0** | - | 125.0 |
| Highway User Revenue Fund | 8.0 | - | 2.5 | **2.5** | - | - | - | - | **2.5** | - | 10.5 |
| | **96.7** | **38.0** | **2.5** | **40.5** | **-** | **-** | **-** | **-** | **40.5** | **-** | **137.2** |
| **Regional Transportation Data Network** | | | | | | | | | | | |
| Federal Highway Administration Grants | 263.0 | 387.0 | - | **387.0** | 1,340.0 | 1,000.0 | 25.0 | - | **2,752.0** | - | 3,015.0 |
| | **263.0** | **387.0** | **-** | **387.0** | **1,340.0** | **1,000.0** | **25.0** | **-** | **2,752.0** | **-** | **3,015.0** |
| **South 6th Avenue and 14th Street HAWK** | | | | | | | | | | | |
| Regional Transportation Authority Fund | 15.0 | - | 160.0 | **160.0** | - | - | - | - | **160.0** | - | 175.0 |
| | **15.0** | **-** | **160.0** | **160.0** | **-** | **-** | **-** | **-** | **160.0** | **-** | **175.0** |
| **Stone Avenue and Cushing Street HAWK** | | | | | | | | | | | |
| Regional Transportation Authority Fund | 15.0 | - | 160.0 | **160.0** | - | - | - | - | **160.0** | - | 175.0 |
| | **15.0** | **-** | **160.0** | **160.0** | **-** | **-** | **-** | **-** | **160.0** | **-** | **175.0** |
| **Traffic Signal Network Expansion** | | | | | | | | | | | |
| Federal Highway Administration Grants | 500.0 | 500.0 | - | **500.0** | - | - | - | - | **500.0** | - | 1,000.0 |
| Highway User Revenue Fund | 87.0 | 30.0 | - | **30.0** | - | - | - | - | **30.0** | - | 117.0 |
| | **587.0** | **530.0** | **-** | **530.0** | **-** | **-** | **-** | **-** | **530.0** | **-** | **1,117.0** |
| **Traffic Signal and Control Equipment** | | | | | | | | | | | |
| Federal Highway Administration Grants | - | 425.0 | - | **425.0** | 400.0 | - | - | - | **825.0** | - | 825.0 |
| Highway User Revenue Fund | - | 35.0 | - | **35.0** | 30.0 | - | - | - | **65.0** | - | 65.0 |
| | **-** | **460.0** | **-** | **460.0** | **430.0** | **-** | **-** | **-** | **890.0** | **-** | **890.0** |

# Transportation - Traffic Signals

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Valencia Road Fiber Optic Cabling** | | | | | | | | | | | |
| 2000 Street and Highway Revenue Bond Funds | 44.8 | - | - | **-** | - | - | - | - | **-** | - | 44.8 |
| Federal Highway Administration Grants | - | 175.0 | - | **175.0** | - | - | - | - | **175.0** | - | 175.0 |
| Highway User Revenue Fund | 31.2 | 15.0 | 12.0 | **27.0** | - | - | - | - | **27.0** | - | 58.2 |
| | **76.0** | **190.0** | **12.0** | **202.0** | **-** | **-** | **-** | **-** | **202.0** | **-** | **278.0** |
| **Program Area Total** | **1,592.2** | **2,288.3** | **334.5** | **2,622.8** | **2,020.0** | **1,250.0** | **25.0** | **-** | **5,917.8** | **-** | **7,510.0** |
| **Source of Funds Summary** | | | | | | | | | | | |
| 1994 Street and Highway Revenue Bond Funds | 41.8 | - | - | **-** | - | - | - | - | **-** | - | 41.8 |
| 2000 Street and Highway Revenue Bond Funds | 234.8 | - | - | **-** | - | - | - | - | **-** | - | 234.8 |
| Capital Agreement Fund | 73.4 | - | - | **-** | - | - | - | - | **-** | - | 73.4 |
| Capital Agreement Fund: PAG | 100.0 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | 150.0 |
| Federal Highway Administration Grants | 887.8 | 2,012.0 | - | **2,012.0** | 1,990.0 | 1,250.0 | 25.0 | - | **5,277.0** | - | 6,164.8 |
| Highway User Revenue Fund | 157.5 | 193.2 | 14.5 | **207.7** | 30.0 | - | - | - | **237.7** | - | 395.2 |
| Regional Transportation Authority Fund | 96.9 | 33.1 | 320.0 | **353.1** | - | - | - | - | **353.1** | - | 450.0 |
| **Program Area Total** | **1,592.2** | **2,288.3** | **334.5** | **2,622.8** | **2,020.0** | **1,250.0** | **25.0** | **-** | **5,917.8** | **-** | **7,510.0** |

# Transportation - Traffic Signals

($000)

## Changeable Message Signs

**Project ID:** S771
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Citywide

**Description:**
Install changeable message signs on city arterials in advance of freeway interchanges to alert drivers of incidents or accidents on the freeway.

**Justification:**
These improvements will improve safety and traffic flow by allowing drivers to choose an alternate route.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Capital Agreement Fund: PAG | 100.0 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **150.0** |
| Highway User Revenue Fund | 30.3 | 11.0 | - | **11.0** | - | - | - | - | **11.0** | - | **41.3** |
| **Total** | 130.3 | 61.0 | - | **61.0** | - | - | - | - | **61.0** | - | **191.3** |

## Communication System Improvements

**Project ID:** S770
**Start Date:** 7/06
**End Date:** 6/11
**Location:** Citywide

**Description:**
Construct communications improvements to the Intelligent Transportation System, including the purchase of traffic signal communication network equipment, traffic monitoring cameras, and traffic signal data transmission equipment.

**Justification:**
The communication improvements are one of several projects underway to develop a regionally-owned communications system. Traffic cameras will allow for the quick assessment of traffic conditions and accidents, supporting the coordination of traffic signals throughout the region.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Street and Highway Revenue Bond Funds | 3.0 | - | - | **-** | - | - | - | - | **-** | - | **3.0** |
| Federal Highway Administration Grants | - | 200.0 | - | **200.0** | 250.0 | 250.0 | - | - | **700.0** | - | **700.0** |
| Highway User Revenue Fund | - | 72.0 | - | **72.0** | - | - | - | - | **72.0** | - | **72.0** |
| **Total** | 3.0 | 272.0 | - | **272.0** | 250.0 | 250.0 | - | - | **772.0** | - | **775.0** |

# Transportation - Traffic Signals

($000)

## Control Center to South Tucson Connection

**Project ID:** S78B
**Start Date:** 7/05
**End Date:** 6/09
**Location:** Wards 1, 5, and 6

**Description:**
Connect the city traffic operations center to the City of South Tucson; this project will include communications and network equipment.

**Justification:**
The City of South Tucson is a Pima Association of Governments regional member responsible for the control and operations of traffic signals in their jurisdiction. This connection will enhance signal coordination across jurisdictional boundaries.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Street and Highway Revenue Bond Funds | 22.2 | - | - | **-** | - | - | - | - | **-** | - | **22.2** |
| Federal Highway Administration Grants | - | 100.0 | - | **100.0** | - | - | - | - | **100.0** | - | **100.0** |
| Highway User Revenue Fund | 1.0 | 10.2 | - | **10.2** | - | - | - | - | **10.2** | - | **11.2** |
| **Total** | 23.2 | 110.2 | - | **110.2** | - | - | - | - | **110.2** | - | **133.4** |

## Harrison/Golf Links Communication Project

**Project ID:** S77A
**Start Date:** 7/05
**End Date:** 6/09
**Location:** Wards 2 and 4

**Description:**
Install a high bandwidth communication system in the Harrison/Golf Links area, including communications and network equipment, cameras, and auxiliary equipment.

**Justification:**
This project supports the Pima Association of Governments' Intelligent Transportation System Strategic Deployment Plan.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Street and Highway Revenue Bond Funds | 24.0 | - | - | **-** | - | - | - | - | **-** | - | **24.0** |
| Federal Highway Administration Grants | - | 150.0 | - | **150.0** | - | - | - | - | **150.0** | - | **150.0** |
| Highway User Revenue Fund | - | 15.0 | - | **15.0** | - | - | - | - | **15.0** | - | **15.0** |
| **Total** | 24.0 | 165.0 | - | **165.0** | - | - | - | - | **165.0** | - | **189.0** |

# Transportation - Traffic Signals

($000)

## Intelligent Transportation System Improvements

**Project ID:** S752
**Start Date:** 7/01
**End Date:** 6/09
**Location:** Citywide

**Description:**
Design and construct upgrades to the Intelligent Transportation System in accordance with the Regional Communications Plan, including the installation of a communications link between the Tucson Operations Center and other metro area locations. In Fiscal Year 2009, the connection between the Tucson Operations Center and Pima Association of Governments will be completed.

**Justification:**
As the regional coordinator, Pima Association of Governments will be able to monitor all signalized intersections for the Tucson Metro area; other jurisdictions will be able to monitor their own signalized intersections.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 1994 Street and Highway Revenue Bond Funds | 41.8 | - | - | **-** | - | - | - | - | **-** | - | **41.8** |
| 2000 Street and Highway Revenue Bond Funds | 139.1 | - | - | **-** | - | - | - | - | **-** | - | **139.1** |
| Capital Agreement Fund | 73.4 | - | - | **-** | - | - | - | - | **-** | - | **73.4** |
| Federal Highway Administration Grants | 37.8 | 37.0 | - | **37.0** | - | - | - | - | **37.0** | - | **74.8** |
| Highway User Revenue Fund | - | 5.0 | - | **5.0** | - | - | - | - | **5.0** | - | **5.0** |
| **Total** | 292.1 | 42.0 | - | **42.0** | - | - | - | - | **42.0** | - | **334.1** |

## Intelligent Transportation System: ATLAS

**Project ID:** SC03
**Start Date:** 4/07
**End Date:** 6/09
**Location:** Citywide

**Description:**
Acquire and test new equipment associated with Intelligent Transportation System technologies in partnership with the University of Arizona's ATLAS (Advanced Traffic and Logistics Algorithms and Software) research center.

**Justification:**
This project was approved by Mayor and Council on March 27, 2007 for Regional Transportation Authority funding. The goal of this project is to reduce congestion and improve safety.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Regional Transportation Authority Fund | 66.9 | 33.1 | - | **33.1** | - | - | - | - | **33.1** | - | **100.0** |
| **Total** | 66.9 | 33.1 | - | **33.1** | - | - | - | - | **33.1** | - | **100.0** |

# Transportation - Traffic Signals

($000)

## Living Transportation Laboratory

**Project ID:** S790
**Start Date:** 7/05
**End Date:** 6/09
**Location:** Citywide

**Description:**
Design and construct signal optimization improvements through the Living Transportation Laboratory in conjunction with the University of Arizona College of Engineering and Mines ATLAS (Advanced Traffic and Logistics Algorithms and Software) Research Center.

**Justification:**
These improvements will facilitate research into traffic signal coordination and transportation efficiencies.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Street and Highway Revenue Bond Funds | 1.7 | - | - | **-** | - | - | - | - | **-** | - | **1.7** |
| Federal Highway Administration Grants | 87.0 | 38.0 | - | **38.0** | - | - | - | - | **38.0** | - | **125.0** |
| Highway User Revenue Fund | 8.0 | - | 2.5 | **2.5** | - | - | - | - | **2.5** | - | **10.5** |
| **Total** | 96.7 | 38.0 | 2.5 | **40.5** | - | - | - | - | **40.5** | - | **137.2** |

## Regional Transportation Data Network

**Project ID:** S701
**Start Date:** 7/06
**End Date:** 6/12
**Location:** Citywide

**Description:**
Plan, design, and construct a regionally-integrated data and communications network to be known as the Regional Transportation Data Network (RTDN). This project will determine the new infrastructure needed to improve regionwide data exchange and project coordination.

**Justification:**
Establishment of the RTDN will facilitate the exchange of data and information between jurisdictions, improve traffic flow, and reduce future utility costs.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Federal Highway Administration Grants | 263.0 | 387.0 | - | **387.0** | 1,340.0 | 1,000.0 | 25.0 | - | **2,752.0** | - | **3,015.0** |
| **Total** | 263.0 | 387.0 | - | **387.0** | 1,340.0 | 1,000.0 | 25.0 | - | **2,752.0** | - | **3,015.0** |

# Transportation - Traffic Signals

($000)

## South 6th Avenue and 14th Street HAWK

**Project ID:** SH07
**Start Date:** 12/07
**End Date:** 6/09
**Location:** Ward 1

**Description:**
Design and construct a HAWK (high-intensity activated crosswalk) pedestrian crossing signal at South 6th Avenue and 14th Street to complement planned roadway changes on South 6th and South Stone Avenues.

**Justification:**
This area is heavily used by pedestrians, because it is one of the busiest bus routes along Stone and South 6th Avenues. This HAWK signal will allow safer pedestrian crossings. This project was approved by Mayor and Council on October 9, 2007 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Regional Transportation Authority Fund | 15.0 | - | 160.0 | **160.0** | - | - | - | - | **160.0** | - | **175.0** |
| **Total** | 15.0 | - | 160.0 | **160.0** | - | - | - | - | **160.0** | - | **175.0** |

## Stone Avenue and Cushing Street HAWK

**Project ID:** SH06
**Start Date:** 12/07
**End Date:** 6/09
**Location:** Ward 1

**Description:**
Design and construct a HAWK (high-intensity activated crosswalk) pedestrian crossing signal at Stone Avenue and Cushing Street to complement planned roadway changes on South 6th and South Stone Avenues.

**Justification:**
This area is heavily used by pedestrians, because it is one of the busiest bus routes along Stone and South 6th Avenues. This HAWK signal will allow safer pedestrian crossings. This project was approved by Mayor and Council on October 9, 2007 for Regional Transportation Authority funding.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Regional Transportation Authority Fund | 15.0 | - | 160.0 | **160.0** | - | - | - | - | **160.0** | - | **175.0** |
| **Total** | 15.0 | - | 160.0 | **160.0** | - | - | - | - | **160.0** | - | **175.0** |

# Transportation - Traffic Signals

($000)

## Traffic Signal and Control Equipment

**Project ID:** S850
**Start Date:** 7/07
**End Date:** 6/10
**Location:** Citywide

**Description:**
Upgrade traffic signal and control equipment, including the purchase and installation of uninterruptible power systems (backup batteries).

**Justification:**
The backup batteries will improve traffic safety and reduce reliance on police officer traffic management during power outages.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Federal Highway Administration Grants | - | 425.0 | - | **425.0** | 400.0 | - | - | - | **825.0** | - | **825.0** |
| Highway User Revenue Fund | - | 35.0 | - | **35.0** | 30.0 | - | - | - | **65.0** | - | **65.0** |
| **Total** | - | 460.0 | - | **460.0** | 430.0 | - | - | - | **890.0** | - | **890.0** |

## Traffic Signal Network Expansion

**Project ID:** S77B
**Start Date:** 7/08
**End Date:** 6/09
**Location:** Citywide

**Description:**
Purchase and install wireless radios, cameras, and the networking equipment necessary to transmit data from traffic signals to the regional traffic operations center.

**Justification:**
The city currently communicates to traffic signals over slow speed leased telephone lines. This project will replace these leased lines with a high speed municipally-owned network, reducing operating expenses and enhancing the capabilities of the traffic signal system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Federal Highway Administration Grants | 500.0 | 500.0 | - | **500.0** | - | - | - | - | **500.0** | - | **1,000.0** |
| Highway User Revenue Fund | 87.0 | 30.0 | - | **30.0** | - | - | - | - | **30.0** | - | **117.0** |
| **Total** | 587.0 | 530.0 | - | **530.0** | - | - | - | - | **530.0** | - | **1,117.0** |

# Transportation - Traffic Signals

($000)

## Valencia Road Fiber Optic Cabling

**Project ID:** S78A
**Start Date:** 7/05
**End Date:** 6/09
**Location:** Ward 1

**Description:**
Install fiber optic cable along Valencia Road from Santa Clara to the Old Nogales Highway. Seven intersections will be connected via fiber optic instead of leased phone lines.

**Justification:**
This project will support the University of Arizona RHODES (Real-time Hierarchical Optimized Distributed Effective System) research at Valencia and Interstate 19.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Street and Highway Revenue Bond Funds | 44.8 | - | - | **-** | - | - | - | - | **-** | - | **44.8** |
| Federal Highway Administration Grants | - | 175.0 | - | **175.0** | - | - | - | - | **175.0** | - | **175.0** |
| Highway User Revenue Fund | 31.2 | 15.0 | 12.0 | **27.0** | - | - | - | - | **27.0** | - | **58.2** |
| **Total** | 76.0 | 190.0 | 12.0 | **202.0** | - | - | - | - | **202.0** | - | **278.0** |

*Approved Five-Year*
*Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Water

# Capital Improvement Program
# Department Statement

## FY 2009 through FY 2013

**Department:** Tucson Water **Five-Year Total:** $ 352,677,000

Tucson Water's Capital Improvement Program (CIP) is a cornerstone in a long-term water supply plan for the community. This CIP will significantly assist in attaining safe yield in the Tucson basin, balancing groundwater pumping with natural replenishment of the aquifer. The five-year program reflects the city's leadership in water resource management through the prudent use of groundwater, Colorado River water, and reclaimed water. The CIP includes the Southern Avra Valley Storage and Recovery Project (SAVSARP), which will provide the capacity to recharge, and eventually recover, 60,000 acre-feet of Colorado River water annually. Along with the Central Avra Valley Storage and Recharge facility, the city will be able to recharge all of its annual Colorado River water allocation (144,191 acre-feet).

The five-year capital program of $352.6 million includes improvements to both the potable and reclaimed water systems. The five-year CIP utilizes $50.7 million from the 2005 bond authorization, $160.7 million in water revenues, $5.0 million from the Water Infrastructure Reserve Fund, $0.6 million from federal grants, and $135.6 million from a future bond authorization. A new bond election will need to be conducted by late Fiscal Year 2009.

The Tucson Water CIP is divided into two program groups: Potable Water System and Reclaimed Water System. Improvements to both water systems will ensure the following:

- Potable and reclaimed customers are provided high quality water.
- The water supply is reliable.
- The safe yield and assured water supply requirements of the Arizona State Groundwater Management Act are met.

**Potable Water System.** These projects total $314.4 million over the next five years. The focus of the potable system program is construction and expansion of the Colorado River water recharge facilities. With the completion of SAVSARP, Tucson Water will have approximately 160,000 acre-feet of annual recharge capacity by the end of Fiscal Year 2009.

**Reclaimed Water System.** These projects total $38.2 million over the next five years. Construction of a $29 million Regional Water Facility will begin during the next five years with an estimated completion date of 2014. This CIP includes $15.6 million for the first phases of that project.

The impact of this five-year CIP on the operating budget ranges from $6.2 million in Fiscal Year 2009 to $10.9 million in Fiscal Year 2013. See a following page for the impact by project and funding source.

**Bond Project Changes.** Several projects in this five-year program are listed in the budget public hearing council memorandum as required by the Truth-in-Bonding Ordinance, because they are either cancelled projects or new projects. These projects are presented in a table on the following page.

# 2005 Water Revenue Bond Authorization
# New and Deleted Projects in the FY 2009-2013 CIP
**($000)**

The Truth-in-Bonding Ordinance reads as follows: "That in any particular year, approved bond proceeds to be allocated to projects in accordance with the priority levels set forth in the City of Tucson's publicly adopted Five-Year Capital Improvements Funded Program (CIFP). Any change which results in the creation of new or cancellation of previously approved capital projects requires prior Mayor and Council approval at a Study Sessions or Regular Session open to the public, which will include a Public Hearing, and which shall be consistent with all other legal and management requirements, procedures, and controls."

The following table lists projects newly funded by the 2005 Water Revenue Bonds and those projects that will no longer be funded with the 2005 Water Revenue Bonds.

| | Project Total |
|---|---|
| **Newly Created 2005 Water Revenue Bond Projects** | |
| Arc Flash Service Upgrades | $ 3,000.0 |
| Avra Valley Augmentation - Irvington Reservoir | 570.0 |
| Equip Reclaimed Well EW-008 | 425.0 |
| Monitor Wells | 530.0 |
| Pipeline Protection: Acoustic Monitoring | 92.0 |
| Redington Road Main Improvements | 305.0 |
| Regional Reclaimed Facility: Effluent Pumping | 50.0 |
| Regional Reclaimed Facility: Ina Effluent | 100.0 |
| Responsive Meter Replacement | 250.0 |
| Rockcliff Booster Improvements | 90.0 |
| Source Meter Replacement | 635.0 |
| Sweetwater Recharge Facility Pipeling Phase I | 544.0 |
| Sweetwater Wetlands Lining Project | 180.0 |
| Tanque Verde Road Main Replacement | 276.0 |
| Tucson Airport Authority Distribution Main | 750.0 |
| Union Pacific Railroad Potable Casing Extensions | 500.0 |
| Wellfield Upgrades | 450.0 |
| **Newly Created Projects Total** | **$ 8,747.0** |

| | Previous Allocation | Current Funding Source |
|---|---|---|
| **Projects No Longer Funded by 2005 Water Revenue Bonds** | | |
| 18th Street Crossover Flow Meter | $ 20.0 | Backlogged/delayed |
| Clearwater Chemical Feed System Upgrade | 75.0 | Future revenue bonds |
| Devine Reservoir Vault and Piping Modifications | 177.0 | Backlogged/delayed |

# 2005 Water Revenue Bond Authorization
# New and Deleted Projects in the FY 2009-2013 CIP
**($000)**

| | Previous Allocation | Current Funding Source |
|---|---|---|
| **Projects No Longer Funded by 2005 Water Revenue Bonds** (continued) | | |
| Flow Meters | $ 100.0 | Backlogged/delayed |
| Jefferson Park Addition Main Replacement | 1,445.0 | Backlogged/delayed |
| Main Extensions: Miscellaneous | 165.0 | Backlogged/delayed |
| Mark Road Booster Station Modifications | 50.0 | Backlogged/delayed |
| Reservoir Roof Replacements | 49.0 | Water revenues |
| Tucson Water Document Management | 260.0 | Backlogged/delayed |
| **No Longer Funded with 2005 Bonds Total** | **$ 2,341.0** | |

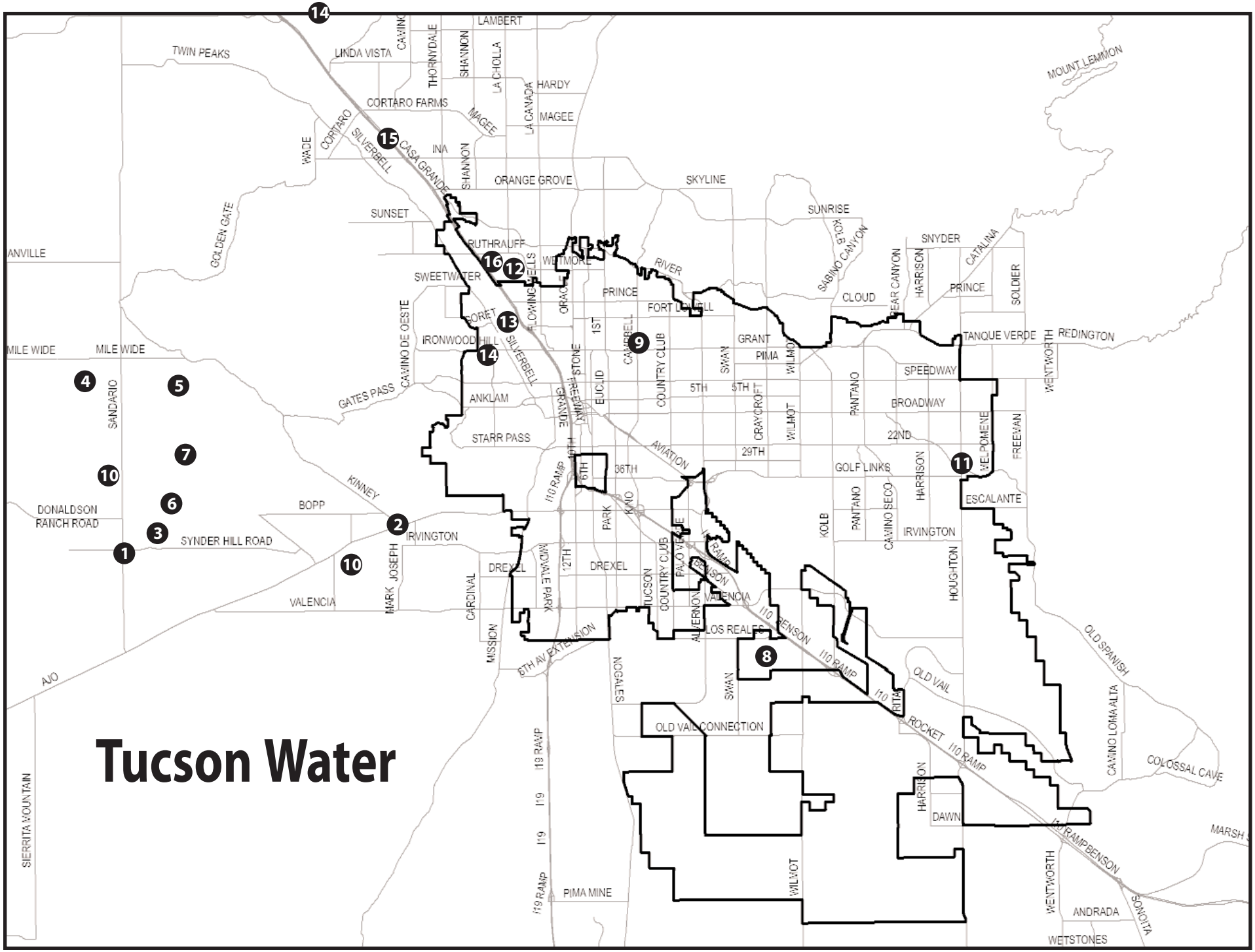
## Tucson Water: CIP Impact on the Operating Budget

When the following projects in this CIP are completed, they will require funding for annual operations. The estimated impact of these projects on the operating budget over the next five years is shown in the table below.

**($000)**

| Project Name | Year 1 FY 2009 | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total |
|---|---|---|---|---|---|---|
| Southern Avra Valley Storage & Recovery Project | 6,195.1 | 7,525.5 | 9,061.0 | 10,891.0 | 10,950.0 | **44,622.6** |
| **Total** | **6,195.1** | **7,525.5** | **9,061.0** | **10,891.0** | **10,950.0** | **44,622.6** |

| **Source of Funds Summary** | | | | | | |
|---|---|---|---|---|---|---|
| Tucson Water Revenue and Operations Fund | 6,195.1 | 7,525.5 | 9,061.0 | 10,891.0 | 10,950.0 | **44,622.6** |
| **Total** | **6,195.1** | **7,525.5** | **9,061.0** | **10,891.0** | **10,950.0** | **44,622.6** |


Tucson Water
TWIN PEAKS
LINDA VISTA
LAMBERT
THORNYDALE
SHANNON
LA CHOLLA
HARDY
LA CANADA
MAGEE
CORTARO FARMS
CORTARO
SILVERBELL
CASA GRANDE
WADE
INA
ORANGE GROVE
SKYLINE
SUNSET
SUNRISE
GOLDEN GATE
RUTHRAUFF
WETMORE
RIVER
SABINO CANYON
SNYDER
CATALINA
SWEETWATER
PRINCE
FORT LOWELL
CLOUD
EAR CANYON
HARRISON
SOLDIER
ORACLE
FLOWING WELLS
ORETT
IRONWOOD HILL
CAMINO DE OESTE
1ST
CAMPBELL
COUNTRY CLUB
GRANT
PIMA
SWAN
WILMOT
TANQUE VERDE
REDINGTON
WENTWORTH
MILE WIDE
SANDARIO
GATES PASS
ANKLAM
STONE
GRAMMOE
EUCLID
5TH
CRAYCROFT
PANTANO
SPEEDWAY
BROADWAY
22ND
29TH
FREEMAN
WELPOMENE
STARR PASS
AVIATION
GOLF LINKS
ESCALANTE
KINNEY
BOPP
DONALDSON RANCH ROAD
SYNDER HILL ROAD
IRVINGTON
JOSEPH
MARK
DREXEL
PARK
KINO
CAMINO SECO
KOLB
HOUGHTON
VALENCIA
CARDINAL
MISSION
MIDVALE PARK
12TH
TUCSON COUNTRY CLUB
PALO VERDE
ALVERNON
LOS REALES
I10 BENSON
I10 RAMP
OLD SPANISH
OLD VAIL
6TH AV EXTENSION
NOGALES
RITA
ROCKET
CAMINO LOMA ALTA
COLOSSAL CAVE
OLD VAIL CONNECTION
DAWN
MARSH
AJO
SIERRITA MOUNTAIN
I19 RAMP
PIMA MINE
ANDRADA
WETSTONES
SONOITA
MOUNT LEMMON

**Map Legend**

**Tucson Water**

| Project Name | Year to be Completed |
|---|---|
| Recharge and Recovery | |
| 1. Southern Avra Valley Storage and Recovery Project | FY 2009 |
| Potable Storage | |
| 2. Avra Valley Augmentation-Irvington Reservoir | FY 2010 |
| 3. Southern Avra Valley Reservoir and Booster Station | FY 2012 |
| Potable Pumping Plant | |
| 4. CAVSARP Booster Expansion | FY 2009 |
| Potable Transmission | |
| 5. CAVSARP Raw Water Augmentation | FY 2013 |
| 6. South Avra Valley Raw Water Delivery Pipeline | FY 2009 |
| 7. South Avra Valley Recovered Transmission Main | FY 2012 |
| 8. Swan to Wilmot Transmission Main | FY 2013 |

| Project Name | Year to be Completed |
|---|---|
| Potable Distribution | |
| 9. Samos Main Replacement | FY 2009 |
| 10. SAVSARP Collector Pipelines, Ph. I and II | FY 2012 |
| Potable General Plant | |
| 11. Eastside Maintenance Facility | FY 2009 |
| Reclaimed Source Development | |
| 12. Equip Reclaimed Wells EW-009 and EW-010 | FY 2011 |
| 13. Reclaimed Storage and Recovery | FY 2013 |
| Reclaimed Storage | |
| 14. Dove Mountain Reclaimed Reservoir | FY 2013 |
| 15. Regional Reclaimed Facility: Ina Road Reservoir | FY 2014 |

# Tucson Water

## Five-Year Capital Improvement Program

**($000)**

| Program Area | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| Tucson Water - Potable Water System | 48,320.2 | 8,940.0 | 47,668.0 | **56,608.0** | 50,318.0 | 63,686.0 | 75,073.0 | 68,782.0 | **314,467.0** | 212,825.0 | **575,612.2** |
| Tucson Water - Reclaimed Water System | 3,616.3 | 325.0 | 3,717.0 | **4,042.0** | 2,668.0 | 3,285.0 | 7,845.0 | 20,370.0 | **38,210.0** | 22,825.0 | **64,651.3** |
| **Department Total** | **51,936.5** | **9,265.0** | **51,385.0** | **60,650.0** | **52,986.0** | **66,971.0** | **82,918.0** | **89,152.0** | **352,677.0** | **235,650.0** | **640,263.5** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1984 Water Revenue Bond Funds | 0.2 | - | - | **-** | - | - | - | - | **-** | - | 0.2 |
| 1994 Water Revenue Bond Funds | 146.6 | - | - | **-** | - | - | - | - | **-** | - | 146.6 |
| 2000 Water Revenue Bond Funds | 7,615.3 | - | - | **-** | - | - | - | - | **-** | - | 7,615.3 |
| 2005 Water Revenue Bond Funds | 35,222.0 | 7,265.0 | 33,508.0 | **40,773.0** | 9,939.0 | - | - | - | **50,712.0** | - | 85,934.0 |
| Central Arizona Project Reserve Fund | 49.9 | - | - | **-** | - | - | - | - | **-** | - | 49.9 |
| Future Water Revenue Bonds | - | - | - | **-** | 24,016.0 | 38,727.0 | 40,549.0 | 32,345.0 | **135,637.0** | 136,676.0 | 272,313.0 |
| Tucson Water Fund: Federal Grants | - | - | 542.0 | **542.0** | 70.0 | - | - | - | **612.0** | - | 612.0 |
| Tucson Water Fund: State Grants | 576.7 | - | - | **-** | - | - | - | - | **-** | - | 576.7 |
| Tucson Water Revenue and Operations Fund | 8,325.8 | 2,000.0 | 12,335.0 | **14,335.0** | 18,961.0 | 28,244.0 | 42,369.0 | 56,807.0 | **160,716.0** | 98,974.0 | 268,015.8 |
| Water Infrastructure Reserve Fund | - | - | 5,000.0 | **5,000.0** | - | - | - | - | **5,000.0** | - | 5,000.0 |
| **Department Total** | **51,936.5** | **9,265.0** | **51,385.0** | **60,650.0** | **52,986.0** | **66,971.0** | **82,918.0** | **89,152.0** | **352,677.0** | **235,650.0** | **640,263.5** |

# Tucson Water - Potable Water System

## Five-Year Capital Improvement Program

($000)

| Program Area | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| Tucson Water - Potable Source Development | 1,601.3 | - | 3,995.0 | **3,995.0** | 6,792.0 | 5,910.0 | 6,800.0 | 6,334.0 | **29,831.0** | 12,700.0 | **44,132.3** |
| Tucson Water - Recharge and Recovery | 9,677.6 | - | 3,667.0 | **3,667.0** | - | - | - | - | **3,667.0** | - | **13,344.6** |
| Tucson Water - Potable Storage | 3,001.8 | 3,783.0 | 1,775.0 | **5,558.0** | 7,680.0 | 6,510.0 | 8,620.0 | 120.0 | **28,488.0** | 12,000.0 | **43,489.8** |
| Tucson Water - Potable Pumping Plant | 1,791.8 | 1,443.0 | 700.0 | **2,143.0** | 310.0 | 310.0 | 310.0 | 710.0 | **3,783.0** | 10,700.0 | **16,274.8** |
| Tucson Water - Potable Transmission | 18,518.9 | 54.0 | 6,860.0 | **6,914.0** | 6,737.0 | 24,059.0 | 33,845.0 | 19,750.0 | **91,305.0** | 76,663.0 | **186,486.9** |
| Tucson Water - Potable Distribution | 5,137.9 | 515.0 | 9,336.0 | **9,851.0** | 12,836.0 | 13,760.0 | 13,210.0 | 28,828.0 | **78,485.0** | 42,662.0 | **126,284.9** |
| Tucson Water - Potable New Services | - | - | 3,060.0 | **3,060.0** | 3,110.0 | 3,210.0 | 3,210.0 | 3,210.0 | **15,800.0** | 16,050.0 | **31,850.0** |
| Tucson Water - Potable General Plant | 4,403.9 | 2,995.0 | 8,525.0 | **11,520.0** | 3,303.0 | 2,427.0 | 2,528.0 | 2,280.0 | **22,058.0** | 5,550.0 | **32,011.9** |
| Tucson Water - Potable Treatment | - | - | - | **-** | - | - | - | 1,000.0 | **1,000.0** | 2,000.0 | **3,000.0** |
| Tucson Water - Potable Process Control | 4,187.0 | 150.0 | 3,750.0 | **3,900.0** | 3,550.0 | 1,500.0 | 550.0 | 550.0 | **10,050.0** | 4,500.0 | **18,737.0** |
| Tucson Water - Capitalized Expense | - | - | 6,000.0 | **6,000.0** | 6,000.0 | 6,000.0 | 6,000.0 | 6,000.0 | **30,000.0** | 30,000.0 | **60,000.0** |
| **Program Total** | **48,320.2** | **8,940.0** | **47,668.0** | **56,608.0** | **50,318.0** | **63,686.0** | **75,073.0** | **68,782.0** | **314,467.0** | **212,825.0** | **575,612.2** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1984 Water Revenue Bond Funds | 0.2 | - | - | **-** | - | - | - | - | **-** | - | 0.2 |
| 1994 Water Revenue Bond Funds | 145.8 | - | - | **-** | - | - | - | - | **-** | - | 145.8 |
| 2000 Water Revenue Bond Funds | 6,105.7 | - | - | **-** | - | - | - | - | **-** | - | 6,105.7 |
| 2005 Water Revenue Bond Funds | 34,007.3 | 6,940.0 | 30,036.0 | **36,976.0** | 9,939.0 | - | - | - | **46,915.0** | - | 80,922.3 |
| Central Arizona Project Reserve Fund | 49.9 | - | - | **-** | - | - | - | - | **-** | - | 49.9 |
| Future Water Revenue Bonds | - | - | - | **-** | 21,468.0 | 35,662.0 | 37,458.0 | 23,029.0 | **117,617.0** | 118,426.0 | 236,043.0 |
| Tucson Water Fund: Federal Grants | - | - | 542.0 | **542.0** | 70.0 | - | - | - | **612.0** | - | 612.0 |
| Tucson Water Fund: State Grants | 576.7 | - | - | **-** | - | - | - | - | **-** | - | 576.7 |
| Tucson Water Revenue and Operations Fund | 7,434.6 | 2,000.0 | 12,090.0 | **14,090.0** | 18,841.0 | 28,024.0 | 37,615.0 | 45,753.0 | **144,323.0** | 94,399.0 | 246,156.6 |
| Water Infrastructure Reserve Fund | - | - | 5,000.0 | **5,000.0** | - | - | - | - | **5,000.0** | - | 5,000.0 |
| **Program Total** | **48,320.2** | **8,940.0** | **47,668.0** | **56,608.0** | **50,318.0** | **63,686.0** | **75,073.0** | **68,782.0** | **314,467.0** | **212,825.0** | **575,612.2** |

# Tucson Water - Potable Source Development

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **CAVSARP Well Pump Improvements** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 1,300.0 | - | 600.0 | **600.0** | 580.0 | - | - | - | **1,180.0** | - | 2,480.0 |
| Future Water Revenue Bonds | - | - | - | **-** | - | 500.0 | 100.0 | 100.0 | **700.0** | - | 700.0 |
| Tucson Water Revenue and Operations Fund | 79.7 | - | - | **-** | 20.0 | 100.0 | 500.0 | 500.0 | **1,120.0** | - | 1,199.7 |
| | **1,379.7** | **-** | **600.0** | **600.0** | **600.0** | **600.0** | **600.0** | **600.0** | **3,000.0** | **-** | **4,379.7** |
| **Drill Production Wells** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 1,200.0 | **1,200.0** | 1,120.0 | - | - | - | **2,320.0** | - | 2,320.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 67.0 | 1,187.0 | 517.0 | 506.0 | **2,277.0** | 3,000.0 | 5,277.0 |
| Tucson Water Revenue and Operations Fund | - | - | 100.0 | **100.0** | 113.0 | 313.0 | 983.0 | 994.0 | **2,503.0** | - | 2,503.0 |
| | **-** | **-** | **1,300.0** | **1,300.0** | **1,300.0** | **1,500.0** | **1,500.0** | **1,500.0** | **7,100.0** | **3,000.0** | **10,100.0** |
| **Monitor Wells** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 9.2 | - | - | **-** | - | - | - | - | **-** | - | 9.2 |
| 2005 Water Revenue Bond Funds | - | - | 500.0 | **500.0** | 30.0 | - | - | - | **530.0** | - | 530.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 227.0 | - | - | 19.0 | **246.0** | 1,000.0 | 1,246.0 |
| Tucson Water Revenue and Operations Fund | 212.4 | - | - | **-** | - | - | - | 290.0 | **290.0** | - | 502.4 |
| | **221.6** | **-** | **500.0** | **500.0** | **257.0** | **-** | **-** | **309.0** | **1,066.0** | **1,000.0** | **2,287.6** |
| **New Well Equipping** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 925.0 | **925.0** | 3,425.0 | - | - | - | **4,350.0** | - | 4,350.0 |
| Future Water Revenue Bonds | - | - | - | **-** | - | 2,600.0 | 2,301.0 | 600.0 | **5,501.0** | - | 5,501.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 1,099.0 | 2,000.0 | **3,099.0** | 5,000.0 | 8,099.0 |
| | **-** | **-** | **925.0** | **925.0** | **3,425.0** | **2,600.0** | **3,400.0** | **2,600.0** | **12,950.0** | **5,000.0** | **17,950.0** |
| **Pressure Tank Replacement** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 110.0 | **110.0** | 150.0 | - | - | - | **260.0** | - | 260.0 |
| Future Water Revenue Bonds | - | - | - | **-** | - | 130.0 | 220.0 | 220.0 | **570.0** | 500.0 | 1,070.0 |
| Tucson Water Revenue and Operations Fund | - | - | 10.0 | **10.0** | 10.0 | 30.0 | 30.0 | 30.0 | **110.0** | - | 110.0 |
| | **-** | **-** | **120.0** | **120.0** | **160.0** | **160.0** | **250.0** | **250.0** | **940.0** | **500.0** | **1,440.0** |

# Tucson Water - Potable Source Development

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Production Well Sites** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | - | **-** | 200.0 | 200.0 |
| Tucson Water Revenue and Operations Fund | - | - | 50.0 | **50.0** | 50.0 | 50.0 | 50.0 | 75.0 | **275.0** | - | 275.0 |
| | **-** | **-** | **50.0** | **50.0** | **50.0** | **50.0** | **50.0** | **75.0** | **275.0** | **200.0** | **475.0** |
| **Wellfield Upgrades** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 450.0 | **450.0** | - | - | - | - | **450.0** | - | 450.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 680.0 | 680.0 | 272.0 | 272.0 | **1,904.0** | 3,000.0 | 4,904.0 |
| Tucson Water Revenue and Operations Fund | - | - | 50.0 | **50.0** | 320.0 | 320.0 | 728.0 | 728.0 | **2,146.0** | - | 2,146.0 |
| | **-** | **-** | **500.0** | **500.0** | **1,000.0** | **1,000.0** | **1,000.0** | **1,000.0** | **4,500.0** | **3,000.0** | **7,500.0** |
| **Program Area Total** | **1,601.3** | **-** | **3,995.0** | **3,995.0** | **6,792.0** | **5,910.0** | **6,800.0** | **6,334.0** | **29,831.0** | **12,700.0** | **44,132.3** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 Water Revenue Bond Funds | 9.2 | - | - | **-** | - | - | - | - | **-** | - | 9.2 |
| 2005 Water Revenue Bond Funds | 1,300.0 | - | 3,785.0 | **3,785.0** | 5,305.0 | - | - | - | **9,090.0** | - | 10,390.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 974.0 | 5,097.0 | 3,410.0 | 1,717.0 | **11,198.0** | 7,700.0 | 18,898.0 |
| Tucson Water Revenue and Operations Fund | 292.1 | - | 210.0 | **210.0** | 513.0 | 813.0 | 3,390.0 | 4,617.0 | **9,543.0** | 5,000.0 | 14,835.1 |
| **Program Area Total** | **1,601.3** | **-** | **3,995.0** | **3,995.0** | **6,792.0** | **5,910.0** | **6,800.0** | **6,334.0** | **29,831.0** | **12,700.0** | **44,132.3** |

# Tucson Water - Potable Source Development

($000)

## CAVSARP Well Pump Improvements

**Project ID:** W553
**Start Date:** 7/06
**End Date:** 6/13
**Location:** County

**Description:**
Upgrade existing line shafts on Central Avra Valley Storage and Recovery Project (CAVSARP) well pumps with product lubrication systems, and re-equip wells with new materials.

**Justification:**
Evaluating and upgrading wells will reduce maintenance and improve operating efficiency and reliability.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 1,300.0 | - | 600.0 | **600.0** | 580.0 | - | - | - | **1,180.0** | - | **2,480.0** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 500.0 | 100.0 | 100.0 | **700.0** | - | **700.0** |
| Tucson Water Revenue and Operations Fund | 79.7 | - | - | **-** | 20.0 | 100.0 | 500.0 | 500.0 | **1,120.0** | - | **1,199.7** |
| **Total** | 1,379.7 | - | 600.0 | **600.0** | 600.0 | 600.0 | 600.0 | 600.0 | **3,000.0** | - | **4,379.7** |

## Drill Production Wells

**Project ID:** W101
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Annually, design and drill water production wells. This project scope includes drilling 17 additional Southern Avra Valley Storage and Recovery Project (SAVSARP) wells and 3 additional wells throughout the general service area during the five year period. The estimated cost per well is $325,000.

**Justification:**
New wells are needed to meet increasing demand, to replace those that fail or do not generate sufficient water production, and to provide backup capacity.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 1,200.0 | **1,200.0** | 1,120.0 | - | - | - | **2,320.0** | - | **2,320.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 67.0 | 1,187.0 | 517.0 | 506.0 | **2,277.0** | 3,000.0 | **5,277.0** |
| Tucson Water Revenue and Operations Fund | - | - | 100.0 | **100.0** | 113.0 | 313.0 | 983.0 | 994.0 | **2,503.0** | - | **2,503.0** |
| **Total** | - | - | 1,300.0 | **1,300.0** | 1,300.0 | 1,500.0 | 1,500.0 | 1,500.0 | **7,100.0** | 3,000.0 | **10,100.0** |

# Tucson Water - Potable Source Development

($000)

## Monitor Wells

**Project ID:** W703
**Start Date:** 7/07
**End Date:** 6/14
**Location:** City and County

**Description:**
Acquire sites, design, and drill monitor wells.

**Justification:**
Monitor wells are needed for regular sampling of the potable water supply and verification of groundwater table elevations.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | Adopted Fiscal Year 2009 New Funding | Adopted Fiscal Year 2009 Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Projected Requirements Year 4 FY 2012 | Projected Requirements Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 Water Revenue Bond Funds | 9.2 | - | - | **-** | - | - | - | - | **-** | - | **9.2** |
| 2005 Water Revenue Bond Funds | - | - | 500.0 | **500.0** | 30.0 | - | - | - | **530.0** | - | **530.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 227.0 | - | - | 19.0 | **246.0** | 1,000.0 | **1,246.0** |
| Tucson Water Revenue and Operations Fund | 212.4 | - | - | **-** | - | - | - | 290.0 | **290.0** | - | **502.4** |
| **Total** | 221.6 | - | 500.0 | **500.0** | 257.0 | - | - | 309.0 | **1,066.0** | 1,000.0 | **2,287.6** |

## New Well Equipping

**Project ID:** W035
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Equip two general service area wells in Fiscal Year 2009. Fiscal Year 2010 through Fiscal Year 2013 will be dedicated to equipping SAVSARP (Southern Avra Valley Storage and Recovery Project) wells. The estimated cost per well is approximately $450,000.

**Justification:**
Equipping of wells is necessary to put a newly drilled well into service thereby meeting customer demand.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | Adopted Fiscal Year 2009 New Funding | Adopted Fiscal Year 2009 Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Projected Requirements Year 4 FY 2012 | Projected Requirements Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005 Water Revenue Bond Funds | - | - | 925.0 | **925.0** | 3,425.0 | - | - | - | **4,350.0** | - | **4,350.0** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 2,600.0 | 2,301.0 | 600.0 | **5,501.0** | - | **5,501.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 1,099.0 | 2,000.0 | **3,099.0** | 5,000.0 | **8,099.0** |
| **Total** | - | - | 925.0 | **925.0** | 3,425.0 | 2,600.0 | 3,400.0 | 2,600.0 | **12,950.0** | 5,000.0 | **17,950.0** |

# Tucson Water - Potable Source Development

($000)

## Pressure Tank Replacement

**Project ID:** W075
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Design and construct the replacement of pressure tanks at water wells and booster stations. The funding in Fiscal Year 2009 addresses the immediate requirements and will replace two pressure tanks. As funds become available on an annual basis, uncertified tanks will be replaced and the remaining uncertified tanks prioritized.

**Justification:**
Safety requirements mandate tank replacement for those not meeting code or lacking certification from the American Society of Mechanical Engineers.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 110.0 | **110.0** | 150.0 | - | - | - | **260.0** | - | **260.0** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 130.0 | 220.0 | 220.0 | **570.0** | 500.0 | **1,070.0** |
| Tucson Water Revenue and Operations Fund | - | - | 10.0 | **10.0** | 10.0 | 30.0 | 30.0 | 30.0 | **110.0** | - | **110.0** |
| **Total** | - | - | 120.0 | **120.0** | 160.0 | 160.0 | 250.0 | 250.0 | **940.0** | 500.0 | **1,440.0** |

## Production Well Sites

**Project ID:** W087
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Acquire property for new production well sites.

**Justification:**
Well sites are needed to meet future demand and to replace obsolete wells.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | - | **-** | 200.0 | **200.0** |
| Tucson Water Revenue and Operations Fund | - | - | 50.0 | **50.0** | 50.0 | 50.0 | 50.0 | 75.0 | **275.0** | - | **275.0** |
| **Total** | - | - | 50.0 | **50.0** | 50.0 | 50.0 | 50.0 | 75.0 | **275.0** | 200.0 | **475.0** |

# Tucson Water - Potable Source Development

($000)

## Wellfield Upgrades

**Project ID:** W077

**Start Date:** Annual
**End Date:** Annual

**Location:** City and County

**Description:**
Upgrade obsolete pumps and electric motors at water wells.

**Justification:**
Upgrades to wells are necessary to maximize their production capacity, and minimize repair and maintenance costs.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 450.0 | **450.0** | - | - | - | - | **450.0** | - | **450.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 680.0 | 680.0 | 272.0 | 272.0 | **1,904.0** | 3,000.0 | **4,904.0** |
| Tucson Water Revenue and Operations Fund | - | - | 50.0 | **50.0** | 320.0 | 320.0 | 728.0 | 728.0 | **2,146.0** | - | **2,146.0** |
| **Total** | - | - | 500.0 | **500.0** | 1,000.0 | 1,000.0 | 1,000.0 | 1,000.0 | **4,500.0** | 3,000.0 | **7,500.0** |

# Tucson Water - Recharge and Recovery

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Southern Avra Valley Storage & Recovery Project** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 265.0 | - | - | **-** | - | - | - | - | **-** | - | 265.0 |
| 2005 Water Revenue Bond Funds | 8,892.6 | - | 3,667.0 | **3,667.0** | - | - | - | - | **3,667.0** | - | 12,559.6 |
| Central Arizona Project Reserve Fund | 32.9 | - | - | **-** | - | - | - | - | **-** | - | 32.9 |
| Tucson Water Revenue and Operations Fund | 487.1 | - | - | **-** | - | - | - | - | **-** | - | 487.1 |
| | **9,677.6** | **-** | **3,667.0** | **3,667.0** | **-** | **-** | **-** | **-** | **3,667.0** | **-** | **13,344.6** |
| **Program Area Total** | **9,677.6** | **-** | **3,667.0** | **3,667.0** | **-** | **-** | **-** | **-** | **3,667.0** | **-** | **13,344.6** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 Water Revenue Bond Funds | 265.0 | - | - | **-** | - | - | - | - | **-** | - | 265.0 |
| 2005 Water Revenue Bond Funds | 8,892.6 | - | 3,667.0 | **3,667.0** | - | - | - | - | **3,667.0** | - | 12,559.6 |
| Central Arizona Project Reserve Fund | 32.9 | - | - | **-** | - | - | - | - | **-** | - | 32.9 |
| Tucson Water Revenue and Operations Fund | 487.1 | - | - | **-** | - | - | - | - | **-** | - | 487.1 |
| **Program Area Total** | **9,677.6** | **-** | **3,667.0** | **3,667.0** | **-** | **-** | **-** | **-** | **3,667.0** | **-** | **13,344.6** |

# Tucson Water - Recharge and Recovery

($000)

## Southern Avra Valley Storage & Recovery Project

**Project ID:** W439

**Start Date:** 7/03
**End Date:** 1/09

**Location:** County

**Description:**
Construct nine recharge basins, which will provide capacity to recharge and recover 60,000 acre-feet/year of Colorado River water.

**Justification:**
The Southern Avra Valley Storage and Recovery Project (SAVSARP) provides for the development of additional water supplies. This project provides renewable water supply for distribution to most of Tucson Water's customers.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Water Revenue Bond Funds | 265.0 | - | - | **-** | - | - | - | - | **-** | - | **265.0** |
| 2005 Water Revenue Bond Funds | 8,892.6 | - | 3,667.0 | **3,667.0** | - | - | - | - | **3,667.0** | - | **12,559.6** |
| Central Arizona Project Reserve Fund | 32.9 | - | - | **-** | - | - | - | - | **-** | - | **32.9** |
| Tucson Water Revenue and Operations Fund | 487.1 | - | - | **-** | - | - | - | - | **-** | - | **487.1** |
| **Total** | 9,677.6 | - | 3,667.0 | **3,667.0** | - | - | - | - | **3,667.0** | - | **13,344.6** |

# Tucson Water - Potable Storage

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Avra Valley Augmentation-Irvington Reservoir** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | - | **-** | 570.0 | - | - | - | **570.0** | - | 570.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 819.0 | - | - | - | **819.0** | - | 819.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | 2,611.0 | - | - | - | **2,611.0** | - | 2,611.0 |
| | **-** | **-** | **-** | **-** | **4,000.0** | **-** | **-** | **-** | **4,000.0** | **-** | **4,000.0** |
| **Disinfection Equipment Upgrades** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | 200.0 |
| Tucson Water Revenue and Operations Fund | - | - | 120.0 | **120.0** | 120.0 | 120.0 | 120.0 | 120.0 | **600.0** | - | 600.0 |
| | **-** | **200.0** | **120.0** | **320.0** | **120.0** | **120.0** | **120.0** | **120.0** | **800.0** | **-** | **800.0** |
| **Martin Reservoir - Liner Replacement** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 40.0 | - | 392.0 | **392.0** | - | - | - | - | **392.0** | - | 432.0 |
| Tucson Water Revenue and Operations Fund | 10.0 | - | 35.0 | **35.0** | - | - | - | - | **35.0** | - | 45.0 |
| Water Infrastructure Reserve Fund | - | - | 228.0 | **228.0** | - | - | - | - | **228.0** | - | 228.0 |
| | **50.0** | **-** | **655.0** | **655.0** | **-** | **-** | **-** | **-** | **655.0** | **-** | **705.0** |
| **Potable Storage - General** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | - | **-** | 12,000.0 | 12,000.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **12,000.0** | **12,000.0** |
| **Rauscher Reservoir Liner** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | 630.0 | - | - | **630.0** | - | 630.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | 60.0 | 10.0 | - | - | **70.0** | - | 70.0 |
| | **-** | **-** | **-** | **-** | **60.0** | **640.0** | **-** | **-** | **700.0** | **-** | **700.0** |
| **Reservoir Roof Replacements** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | 29.9 | - | 100.0 | **100.0** | - | - | - | - | **100.0** | - | 129.9 |
| | **29.9** | **-** | **100.0** | **100.0** | **-** | **-** | **-** | **-** | **100.0** | **-** | **129.9** |

# Tucson Water - Potable Storage

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Southeast G Zone Reservoir** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 190.0 | - | 900.0 | **900.0** | - | - | - | - | **900.0** | - | 1,090.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 2,000.0 | - | - | - | **2,000.0** | - | 2,000.0 |
| Tucson Water Revenue and Operations Fund | 11.2 | - | - | **-** | 900.0 | - | - | - | **900.0** | - | 911.2 |
| | **201.2** | **-** | **900.0** | **900.0** | **2,900.0** | **-** | **-** | **-** | **3,800.0** | **-** | **4,001.2** |
| **Southern Avra Valley Reservoir & Booster Station** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 0.1 | - | - | **-** | - | - | - | - | **-** | - | 0.1 |
| 2005 Water Revenue Bond Funds | 210.0 | 30.0 | - | **30.0** | - | - | - | - | **30.0** | - | 240.0 |
| Future Water Revenue Bonds | - | - | - | **-** | - | 4,550.0 | 4,500.0 | - | **9,050.0** | - | 9,050.0 |
| Tucson Water Revenue and Operations Fund | 10.6 | - | - | **-** | - | 1,200.0 | 4,000.0 | - | **5,200.0** | - | 5,210.6 |
| | **220.7** | **30.0** | **-** | **30.0** | **-** | **5,750.0** | **8,500.0** | **-** | **14,280.0** | **-** | **14,500.7** |
| **Thornydale/Tangerine C Zone Reservoir** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 2,450.0 | 1,553.0 | - | **1,553.0** | - | - | - | - | **1,553.0** | - | 4,003.0 |
| Tucson Water Revenue and Operations Fund | - | 2,000.0 | - | **2,000.0** | - | - | - | - | **2,000.0** | - | 2,000.0 |
| | **2,450.0** | **3,553.0** | **-** | **3,553.0** | **-** | **-** | **-** | **-** | **3,553.0** | **-** | **6,003.0** |

# Tucson Water - Potable Storage

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Valley View Reservoir Liner** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | 560.0 | - | - | - | **560.0** | - | 560.0 |
| Tucson Water Revenue and Operations Fund | 50.0 | - | - | **-** | 40.0 | - | - | - | **40.0** | - | 90.0 |
| | **50.0** | **-** | **-** | **-** | **600.0** | **-** | **-** | **-** | **600.0** | **-** | **650.0** |
| **Program Area Total** | **3,001.8** | **3,783.0** | **1,775.0** | **5,558.0** | **7,680.0** | **6,510.0** | **8,620.0** | **120.0** | **28,488.0** | **12,000.0** | **43,489.8** |
| **Source of Funds Summary** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 0.1 | - | - | **-** | - | - | - | - | **-** | - | 0.1 |
| 2005 Water Revenue Bond Funds | 2,890.0 | 1,783.0 | 1,292.0 | **3,075.0** | 570.0 | - | - | - | **3,645.0** | - | 6,535.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 3,379.0 | 5,180.0 | 4,500.0 | - | **13,059.0** | - | 13,059.0 |
| Tucson Water Revenue and Operations Fund | 111.7 | 2,000.0 | 255.0 | **2,255.0** | 3,731.0 | 1,330.0 | 4,120.0 | 120.0 | **11,556.0** | 12,000.0 | 23,667.7 |
| Water Infrastructure Reserve Fund | - | - | 228.0 | **228.0** | - | - | - | - | **228.0** | - | 228.0 |
| **Program Area Total** | **3,001.8** | **3,783.0** | **1,775.0** | **5,558.0** | **7,680.0** | **6,510.0** | **8,620.0** | **120.0** | **28,488.0** | **12,000.0** | **43,489.8** |

# Tucson Water - Potable Storage

($000)

## Avra Valley Augmentation-Irvington Reservoir

**Project ID:** W570
**Start Date:** 7/10
**End Date:** 6/16
**Location:** County

**Description:**
Acquire a site, design, and construct a reservoir (approximate capacity is 60 million gallons) to be served by the new Avra Valley Augmentation Transmission Main Project. Site acquisition is scheduled in Fiscal Year 2010, followed by construction in Fiscal Years 2015 and 2016.

**Justification:**
This project will provide additional potable water storage and system reliability.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | - | **-** | 570.0 | - | - | - | **570.0** | - | **570.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 819.0 | - | - | - | **819.0** | - | **819.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | 2,611.0 | - | - | - | **2,611.0** | - | **2,611.0** |
| **Total** | - | - | - | **-** | 4,000.0 | - | - | - | **4,000.0** | - | **4,000.0** |

## Disinfection Equipment Upgrades

**Project ID:** W221
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Upgrade disinfection equipment at reservoirs and wells.

**Justification:**
As disinfection equipment becomes deteriorated or obsolete, it must be replaced to ensure operational reliability and maintain water quality.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | 200.0 | - | **200.0** | - | - | - | - | **200.0** | - | **200.0** |
| Tucson Water Revenue and Operations Fund | - | - | 120.0 | **120.0** | 120.0 | 120.0 | 120.0 | 120.0 | **600.0** | - | **600.0** |
| **Total** | - | 200.0 | 120.0 | **320.0** | 120.0 | 120.0 | 120.0 | 120.0 | **800.0** | - | **800.0** |

# Tucson Water - Potable Storage

($000)

## Martin Reservoir - Liner Replacement

**Project ID:** W579
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 5

**Description:**
Design and construct a new liner for the Martin Reservoir to replace the existing butyl rubber liner.

**Justification:**
The existing liner will reach its 25-year life expectancy in Fiscal Year 2009 and will need to be replaced.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 40.0 | - | 392.0 | **392.0** | - | - | - | - | **392.0** | - | **432.0** |
| Tucson Water Revenue and Operations Fund | 10.0 | - | 35.0 | **35.0** | - | - | - | - | **35.0** | - | **45.0** |
| Water Infrastructure Reserve Fund | - | - | 228.0 | **228.0** | - | - | - | - | **228.0** | - | **228.0** |
| **Total** | 50.0 | - | 655.0 | **655.0** | - | - | - | - | **655.0** | - | **705.0** |

## Potable Storage - General

**Project ID:** WB99
**Start Date:** 7/13
**End Date:** 6/18
**Location:** City and County

**Description:**
Budget capacity for anticipated, but not yet specifically identified projects. Projects will be determined as part of Tucson Water's ongoing capital planning process, which takes a comprehensive look at system needs in all program areas.

**Justification:**
Identified projects will provide design improvements to storage facilities for operational reliability, provide adequate water volume and pressure for fire protection service, and reduce the need to develop additional supplies to meet summer peak demand requirements.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | - | **-** | 12,000.0 | **12,000.0** |
| **Total** | - | - | - | **-** | - | - | - | - | **-** | 12,000.0 | **12,000.0** |

# Tucson Water - Potable Storage

($000)

## Rauscher Reservoir Liner

**Project ID:** W653
**Start Date:** 7/09
**End Date:** 6/11
**Location:** Ward 4

**Description:**
Design and construct a new liner for Rauscher Reservoir to replace the existing liner. Design will begin in Fiscal Year 2010 with construction following in Fiscal Year 2011.

**Justification:**
The current liner is nearing the end of its useful life. This project is needed to ensure a reliable water supply and minimize water loss.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 630.0 | - | - | **630.0** | - | **630.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | 60.0 | 10.0 | - | - | **70.0** | - | **70.0** |
| **Total** | - | - | - | **-** | 60.0 | 640.0 | - | - | **700.0** | - | **700.0** |

## Reservoir Roof Replacements

**Project ID:** W996
**Start Date:** 7/06
**End Date:** 6/09
**Location:** City and County

**Description:**
Inspect, design, and construct necessary roof upgrades and modifications.

**Justification:**
This project is necessary to address storm damage to reservoir roofs. The modifications will ensure that reservoirs are secure and sealed from the elements.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | 29.9 | - | 100.0 | **100.0** | - | - | - | - | **100.0** | - | **129.9** |
| **Total** | 29.9 | - | 100.0 | **100.0** | - | - | - | - | **100.0** | - | **129.9** |

# Tucson Water - Potable Storage

($000)

## Southeast G Zone Reservoir

**Project ID:** W260
**Start Date:** 6/03
**End Date:** 6/10
**Location:** County

**Description:**
Design and construct a 5 million gallon reservoir. The design will be completed in Fiscal Year 2008, followed by construction in Fiscal Years 2009 and 2010. The timing of this project is linked to the construction of the developer-financed Houghton Transmission Main.

**Justification:**
This reservoir will upgrade the storage capacity for the Southeast G Zone service area.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 190.0 | - | 900.0 | **900.0** | - | - | - | - | **900.0** | - | **1,090.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 2,000.0 | - | - | - | **2,000.0** | - | **2,000.0** |
| Tucson Water Revenue and Operations Fund | 11.2 | - | - | **-** | 900.0 | - | - | - | **900.0** | - | **911.2** |
| **Total** | 201.2 | - | 900.0 | **900.0** | 2,900.0 | - | - | - | **3,800.0** | - | **4,001.2** |

## Southern Avra Valley Reservoir & Booster Station

**Project ID:** W442
**Start Date:** 7/04
**End Date:** 6/12
**Location:** City and County

**Description:**
Design and construct an 8.5 million gallon forebay reservoir and a 33 million gallons-per-day booster in Southern Avra Valley. Construction is scheduled in Fiscal Years 2011 and 2012.

**Justification:**
This project makes Avra Valley and recovered Colorado River water available for blending into the distribution system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Water Revenue Bond Funds | 0.1 | - | - | **-** | - | - | - | - | **-** | - | **0.1** |
| 2005 Water Revenue Bond Funds | 210.0 | 30.0 | - | **30.0** | - | - | - | - | **30.0** | - | **240.0** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 4,550.0 | 4,500.0 | - | **9,050.0** | - | **9,050.0** |
| Tucson Water Revenue and Operations Fund | 10.6 | - | - | **-** | - | 1,200.0 | 4,000.0 | - | **5,200.0** | - | **5,210.6** |
| **Total** | 220.7 | 30.0 | - | **30.0** | - | 5,750.0 | 8,500.0 | - | **14,280.0** | - | **14,500.7** |

# Tucson Water - Potable Storage

($000)

## Thornydale/Tangerine C Zone Reservoir

**Project ID:** W471
**Start Date:** 7/04
**End Date:** 6/09
**Location:** County

**Description:**
Design and construct a 3 million gallon reservoir to address projected population growth and increased water demand in this area. Approximately 85% of the total project costs will be shared with area developers and the remaining 15% paid by Tucson Water for oversizing to meet projected additional customer demand in the area. This project schedule is controlled by developers and has experienced delays; completion is now scheduled for Fiscal Year 2009.

**Justification:**
The existing facilities will fall short of meeting projected water demand in the near future. This facility will provide for projected population growth and increased water demand in this area.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 2,450.0 | 1,553.0 | - | **1,553.0** | - | - | - | - | **1,553.0** | - | **4,003.0** |
| Tucson Water Revenue and Operations Fund | - | 2,000.0 | - | **2,000.0** | - | - | - | - | **2,000.0** | - | **2,000.0** |
| **Total** | 2,450.0 | 3,553.0 | - | **3,553.0** | - | - | - | - | **3,553.0** | - | **6,003.0** |

## Valley View Reservoir Liner

**Project ID:** W654
**Start Date:** 7/09
**End Date:** 6/10
**Location:** County

**Description:**
Design and construct a new liner for the Valley View Reservoir. Construction will be completed in Fiscal Year 2010.

**Justification:**
The current liner is damaged and needs to be replaced to prevent leakage. This project is needed to ensure a reliable supply of water and minimize water loss.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | 560.0 | - | - | - | **560.0** | - | **560.0** |
| Tucson Water Revenue and Operations Fund | 50.0 | - | - | **-** | 40.0 | - | - | - | **40.0** | - | **90.0** |
| **Total** | 50.0 | - | - | **-** | 600.0 | - | - | - | **600.0** | - | **650.0** |

# Tucson Water - Potable Pumping Plant

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Avra Valley D Zone Pressure Regulating Valves** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | 150.0 | **150.0** | 700.0 | 850.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **150.0** | **150.0** | **700.0** | **850.0** |
| **CAVSARP Booster Expansion** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 1,475.0 | 1,200.0 | 300.0 | **1,500.0** | - | - | - | - | **1,500.0** | - | 2,975.0 |
| Tucson Water Revenue and Operations Fund | 40.4 | - | - | **-** | - | - | - | - | **-** | - | 40.4 |
| | **1,515.4** | **1,200.0** | **300.0** | **1,500.0** | **-** | **-** | **-** | **-** | **1,500.0** | **-** | **3,015.4** |
| **CAVSARP/BKW Farms Raw Water Booster** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | 250.0 | **250.0** | 3,000.0 | 3,250.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **250.0** | **250.0** | **3,000.0** | **3,250.0** |
| **Diamond Bell Ranch G-I Zone Booster Modification** | | | | | | | | | | | |
| 1994 Water Revenue Bond Funds | 30.0 | - | - | **-** | - | - | - | - | **-** | - | 30.0 |
| 2000 Water Revenue Bond Funds | 4.2 | - | - | **-** | - | - | - | - | **-** | - | 4.2 |
| 2005 Water Revenue Bond Funds | 54.0 | 120.0 | - | **120.0** | - | - | - | - | **120.0** | - | 174.0 |
| Tucson Water Revenue and Operations Fund | 10.6 | - | - | **-** | - | - | - | - | **-** | - | 10.6 |
| | **98.8** | **120.0** | **-** | **120.0** | **-** | **-** | **-** | **-** | **120.0** | **-** | **218.8** |
| **I-1 Well and Booster Modifications** | | | | | | | | | | | |
| 1994 Water Revenue Bond Funds | 23.0 | - | - | **-** | - | - | - | - | **-** | - | 23.0 |
| 2005 Water Revenue Bond Funds | 24.6 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | 74.6 |
| Tucson Water Revenue and Operations Fund | 50.0 | - | - | **-** | - | - | - | - | **-** | - | 50.0 |
| | **97.6** | **50.0** | **-** | **50.0** | **-** | **-** | **-** | **-** | **50.0** | **-** | **147.6** |
| **Potable Pumping Plant - General** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | - | **-** | 7,000.0 | 7,000.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **7,000.0** | **7,000.0** |

# Tucson Water - Potable Pumping Plant

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Pumping Facility Modifications** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 200.0 | **200.0** | - | - | - | - | **200.0** | - | 200.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 200.0 | 200.0 | - | - | **400.0** | - | 400.0 |
| Tucson Water Revenue and Operations Fund | - | - | 110.0 | **110.0** | 110.0 | 110.0 | 310.0 | 310.0 | **950.0** | - | 950.0 |
| | **-** | **-** | **310.0** | **310.0** | **310.0** | **310.0** | **310.0** | **310.0** | **1,550.0** | **-** | **1,550.0** |
| **Rockcliff Booster Improvements** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 90.0 | **90.0** | - | - | - | - | **90.0** | - | 90.0 |
| | **-** | **-** | **90.0** | **90.0** | **-** | **-** | **-** | **-** | **90.0** | **-** | **90.0** |
| **Well I-002B Upgrades** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 67.0 | 73.0 | - | **73.0** | - | - | - | - | **73.0** | - | 140.0 |
| Tucson Water Revenue and Operations Fund | 13.0 | - | - | **-** | - | - | - | - | **-** | - | 13.0 |
| | **80.0** | **73.0** | **-** | **73.0** | **-** | **-** | **-** | **-** | **73.0** | **-** | **153.0** |
| **Program Area Total** | **1,791.8** | **1,443.0** | **700.0** | **2,143.0** | **310.0** | **310.0** | **310.0** | **710.0** | **3,783.0** | **10,700.0** | **16,274.8** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1994 Water Revenue Bond Funds | 53.0 | - | - | **-** | - | - | - | - | **-** | - | 53.0 |
| 2000 Water Revenue Bond Funds | 4.2 | - | - | **-** | - | - | - | - | **-** | - | 4.2 |
| 2005 Water Revenue Bond Funds | 1,620.6 | 1,443.0 | 590.0 | **2,033.0** | - | - | - | - | **2,033.0** | - | 3,653.6 |
| Future Water Revenue Bonds | - | - | - | **-** | 200.0 | 200.0 | - | 400.0 | **800.0** | 3,700.0 | 4,500.0 |
| Tucson Water Revenue and Operations Fund | 114.0 | - | 110.0 | **110.0** | 110.0 | 110.0 | 310.0 | 310.0 | **950.0** | 7,000.0 | 8,064.0 |
| **Program Area Total** | **1,791.8** | **1,443.0** | **700.0** | **2,143.0** | **310.0** | **310.0** | **310.0** | **710.0** | **3,783.0** | **10,700.0** | **16,274.8** |

# Tucson Water - Potable Pumping Plant

($000)

## Avra Valley D Zone Pressure Regulating Valves

**Project ID:** W527
**Start Date:** 7/12
**End Date:** 6/15
**Location:** City and County

**Description:**
Design and construct four pressure regulating valve stations, metering, and control devices on the Avra Valley Augmentation Transmission Main, the 24-inch Santa Cruz River, the 48-inch Park Avenue, and the 48-inch Alvernon Way/Valencia Road C Zone Transmission Mains. The design will be completed in Fiscal Year 2013 with construction completed in Fiscal Year 2015.

**Justification:**
Water will be moved from the Avra Valley Augmentation Transmission Main at D Zone pressure levels into A1, B1, and C1 Zones, which will improve reliability. The C1 Zone pressure regulating valve will provide additional water supply to the water system in the southeast service area.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | 150.0 | **150.0** | 700.0 | **850.0** |
| **Total** | - | - | - | **-** | - | - | - | 150.0 | **150.0** | 700.0 | **850.0** |

## CAVSARP Booster Expansion

**Project ID:** W571
**Start Date:** 7/07
**End Date:** 6/09
**Location:** County

**Description:**
Design and construct upgrades to expand the existing Central Avra Valley Storage and Recovery Project (CAVSARP) Booster Station from 54 million gallons-per-day (MGD) capacity to approximately 70 MGD.

**Justification:**
This project will increase the capability to move recovered Colorado River water into the Tucson Water distribution system from the CAVSARP in Avra Valley.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 1,475.0 | 1,200.0 | 300.0 | **1,500.0** | - | - | - | - | **1,500.0** | - | **2,975.0** |
| Tucson Water Revenue and Operations Fund | 40.4 | - | - | **-** | - | - | - | - | **-** | - | **40.4** |
| **Total** | 1,515.4 | 1,200.0 | 300.0 | **1,500.0** | - | - | - | - | **1,500.0** | - | **3,015.4** |

# Tucson Water - Potable Pumping Plant

($000)

## CAVSARP/BKW Farms Raw Water Booster

**Project ID:** W574
**Start Date:** 7/12
**End Date:** 6/14
**Location:** County

**Description:**
Replace the existing natural-gas-driven booster station owned by the BKW Farms with a larger electric-driven booster station. The new electric-driven booster will be owned by Tucson Water and bring additional Colorado River water to recharge basins at CAVSARP (Central Avra Valley Storage and Recovery Project.) The design phase is scheduled in Fiscal Year 2013, followed by construction in Fiscal Year 2014.

**Justification:**
This project will increase the CAVSARP facility's recharge capacity and enable full utilization of Colorado River water.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | 250.0 | **250.0** | 3,000.0 | **3,250.0** |
| **Total** | - | - | - | **-** | - | - | - | 250.0 | **250.0** | 3,000.0 | **3,250.0** |

## Diamond Bell Ranch G-I Zone Booster Modification

**Project ID:** W229
**Start Date:** 7/99
**End Date:** 10/08
**Location:** County

**Description:**
Design and construct modifications to upgrade the existing booster equipment. A new forebay storage will also be installed.

**Justification:**
These modifications are needed to ensure reliability of the system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 1994 Water Revenue Bond Funds | 30.0 | - | - | **-** | - | - | - | - | **-** | - | **30.0** |
| 2000 Water Revenue Bond Funds | 4.2 | - | - | **-** | - | - | - | - | **-** | - | **4.2** |
| 2005 Water Revenue Bond Funds | 54.0 | 120.0 | - | **120.0** | - | - | - | - | **120.0** | - | **174.0** |
| Tucson Water Revenue and Operations Fund | 10.6 | - | - | **-** | - | - | - | - | **-** | - | **10.6** |
| **Total** | 98.8 | 120.0 | - | **120.0** | - | - | - | - | **120.0** | - | **218.8** |

# Tucson Water - Potable Pumping Plant

($000)

## I-1 Well and Booster Modifications

**Project ID:** W158
**Start Date:** 7/04
**End Date:** 10/08
**Location:** County

**Description:**
Design and construct modifications to upgrade electrical equipment, pumps, instrumentation, piping, and safety features.

**Justification:**
These modifications will improve well and booster station operation and increase production capacity.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 1994 Water Revenue Bond Funds | 23.0 | - | - | **-** | - | - | - | - | **-** | - | **23.0** |
| 2005 Water Revenue Bond Funds | 24.6 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **74.6** |
| Tucson Water Revenue and Operations Fund | 50.0 | - | - | **-** | - | - | - | - | **-** | - | **50.0** |
| **Total** | 97.6 | 50.0 | - | **50.0** | - | - | - | - | **50.0** | - | **147.6** |

## Potable Pumping Plant - General

**Project ID:** WC99
**Start Date:** 7/13
**End Date:** 6/18
**Location:** City and County

**Description:**
Budget capacity for anticipated, but not yet specifically identified projects. Projects will be determined as part of Tucson Water's ongoing capital planning process.

**Justification:**
This project will ensure that the utility can meet future water demands.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | - | **-** | 7,000.0 | **7,000.0** |
| **Total** | - | - | - | **-** | - | - | - | - | **-** | 7,000.0 | **7,000.0** |

# Tucson Water - Potable Pumping Plant

($000)

## Pumping Facility Modifications

**Project ID:** W254
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Modify existing production facilities, including the installation of new flow meters at existing booster facilities to replace failed flow meters and the construction of minor improvements, such as upsizing pumps.

**Justification:**
These modifications are needed to ensure that system flows are monitored and logged to improve pump efficiency and dependability and to increase capacity.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 200.0 | **200.0** | - | - | - | - | **200.0** | - | **200.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 200.0 | 200.0 | - | - | **400.0** | - | **400.0** |
| Tucson Water Revenue and Operations Fund | - | - | 110.0 | **110.0** | 110.0 | 110.0 | 310.0 | 310.0 | **950.0** | - | **950.0** |
| **Total** | - | - | 310.0 | **310.0** | 310.0 | 310.0 | 310.0 | 310.0 | **1,550.0** | - | **1,550.0** |

## Rockcliff Booster Improvements

**Project ID:** W720
**Start Date:** 7/08
**End Date:** 6/09
**Location:** County

**Description:**
Upgrade equipment supporting Supervisory Control and Data Acquisition (SCADA) and improve access by providing a vehicle turn-around area.

**Justification:**
The site lacks necessary SCADA communnications, which electronically monitors the activity of pumps, pressures, and flows at one central location. In addition, this site is very difficult to access, due to a steep, narrow unimproved access road on which a vehicle cannot turn around. This project will address both communication and safety concerns.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 90.0 | **90.0** | - | - | - | - | **90.0** | - | **90.0** |
| **Total** | - | - | 90.0 | **90.0** | - | - | - | - | **90.0** | - | **90.0** |

# Tucson Water - Potable Pumping Plant

($000)

## Well I-002B Upgrades

**Project ID:** W563

**Start Date:** 7/06
**End Date:** 10/08

**Location:** County

**Description:**
Design and construct new public well and storage facility upgrades, increasing capacity to provide a minimum 2-hour fireflow.

**Justification:**
Tucson Water entered into water service agreements to supply fireflow to customers in the Town of Catalina. (Fireflow is the amount of water capacity required by the Fire Code.) This project is required to bring Tucson Water into compliance with Arizona Department of Environmental Quality (ADEQ) minimum water system pressure.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 67.0 | 73.0 | - | **73.0** | - | - | - | - | **73.0** | - | **140.0** |
| Tucson Water Revenue and Operations Fund | 13.0 | - | - | **-** | - | - | - | - | **-** | - | **13.0** |
| **Total** | 80.0 | 73.0 | - | **73.0** | - | - | - | - | **73.0** | - | **153.0** |

# Tucson Water - Potable Transmission

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Avra Valley Transmission Main Augmentation** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 887.3 | - | 280.0 | **280.0** | - | - | - | - | **280.0** | - | 1,167.3 |
| Future Water Revenue Bonds | - | - | - | **-** | - | 450.0 | - | - | **450.0** | 47,214.0 | 47,664.0 |
| Tucson Water Revenue and Operations Fund | 23.4 | - | - | **-** | 1,117.0 | 385.0 | - | - | **1,502.0** | - | 1,525.4 |
| | **910.7** | **-** | **280.0** | **280.0** | **1,117.0** | **835.0** | **-** | **-** | **2,232.0** | **47,214.0** | **50,356.7** |
| **CAVSARP Raw Water Augmentation** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | 250.0 | 1,000.0 | **1,250.0** | - | 1,250.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **250.0** | **1,000.0** | **1,250.0** | **-** | **1,250.0** |
| **Cathodic Protection for Critical Pipelines** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 260.0 | **260.0** | 260.0 | - | - | - | **520.0** | - | 520.0 |
| Future Water Revenue Bonds | - | - | - | **-** | - | 260.0 | 20.0 | 20.0 | **300.0** | - | 300.0 |
| Tucson Water Revenue and Operations Fund | - | - | 40.0 | **40.0** | 40.0 | 40.0 | 280.0 | 280.0 | **680.0** | 1,600.0 | 2,280.0 |
| | **-** | **-** | **300.0** | **300.0** | **300.0** | **300.0** | **300.0** | **300.0** | **1,500.0** | **1,600.0** | **3,100.0** |
| **Pipeline Protection: Acoustic Monitoring** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 92.0 | **92.0** | - | - | - | - | **92.0** | - | 92.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 90.0 | 90.0 | - | - | **180.0** | - | 180.0 |
| Tucson Water Revenue and Operations Fund | 1,916.3 | - | 8.0 | **8.0** | 10.0 | 10.0 | - | - | **28.0** | - | 1,944.3 |
| | **1,916.3** | **-** | **100.0** | **100.0** | **100.0** | **100.0** | **-** | **-** | **300.0** | **-** | **2,216.3** |
| **Rehabilitation of Critical Transmission Mains** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | 140.0 | 145.0 | 150.0 | **435.0** | - | 435.0 |
| Tucson Water Revenue and Operations Fund | 762.4 | - | 130.0 | **130.0** | 135.0 | - | - | - | **265.0** | 500.0 | 1,527.4 |
| | **762.4** | **-** | **130.0** | **130.0** | **135.0** | **140.0** | **145.0** | **150.0** | **700.0** | **500.0** | **1,962.4** |
| **Santa Rita Bel Air G Zone Transmission Main** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | 152.6 | - | - | **-** | 2,085.0 | - | - | - | **2,085.0** | - | 2,237.6 |
| | **152.6** | **-** | **-** | **-** | **2,085.0** | **-** | **-** | **-** | **2,085.0** | **-** | **2,237.6** |

# Tucson Water - Potable Transmission

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **South Avra Valley Raw Water Delivery Pipeline** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 172.8 | - | - | **-** | - | - | - | - | **-** | - | 172.8 |
| 2005 Water Revenue Bond Funds | 12,106.1 | - | 3,400.0 | **3,400.0** | - | - | - | - | **3,400.0** | - | 15,506.1 |
| Central Arizona Project Reserve Fund | 17.0 | - | - | **-** | - | - | - | - | **-** | - | 17.0 |
| Tucson Water Revenue and Operations Fund | 56.5 | - | 150.0 | **150.0** | - | - | - | - | **150.0** | - | 206.5 |
| | **12,352.4** | **-** | **3,550.0** | **3,550.0** | **-** | **-** | **-** | **-** | **3,550.0** | **-** | **15,902.4** |
| **South Avra Valley Recovered Transmission Main** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 186.0 | 54.0 | 2,000.0 | **2,054.0** | 980.0 | - | - | - | **3,034.0** | - | 3,220.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 2,000.0 | 7,528.0 | 19,831.0 | - | **29,359.0** | - | 29,359.0 |
| Tucson Water Revenue and Operations Fund | 10.0 | - | - | **-** | 20.0 | 15,156.0 | 12,485.0 | - | **27,661.0** | - | 27,671.0 |
| | **196.0** | **54.0** | **2,000.0** | **2,054.0** | **3,000.0** | **22,684.0** | **32,316.0** | **-** | **60,054.0** | **-** | **60,250.0** |
| **Southeast E Zone Transmission Main** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 2,098.9 | - | - | **-** | - | - | - | - | **-** | - | 2,098.9 |
| 2005 Water Revenue Bond Funds | 36.0 | - | - | **-** | - | - | - | - | **-** | - | 36.0 |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | 50.0 | 700.0 | **750.0** | - | 750.0 |
| Tucson Water Revenue and Operations Fund | 93.6 | - | - | **-** | - | - | - | - | **-** | 12,349.0 | 12,442.6 |
| | **2,228.5** | **-** | **-** | **-** | **-** | **-** | **50.0** | **700.0** | **750.0** | **12,349.0** | **15,327.5** |
| **Swan to Wilmot Transmission Main** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | 784.0 | 1,558.0 | **2,342.0** | - | 2,342.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | 5,442.0 | **5,442.0** | - | 5,442.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **784.0** | **7,000.0** | **7,784.0** | **-** | **7,784.0** |
| **Transmission Main Projects - General** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | 10,600.0 | **10,600.0** | 15,000.0 | 25,600.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **10,600.0** | **10,600.0** | **15,000.0** | **25,600.0** |

# Tucson Water - Potable Transmission

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Union Pacific Railroad Potable Casing Extensions** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | 500.0 |
| | **-** | **-** | **500.0** | **500.0** | **-** | **-** | **-** | **-** | **500.0** | **-** | **500.0** |
| **Program Area Total** | **18,518.9** | **54.0** | **6,860.0** | **6,914.0** | **6,737.0** | **24,059.0** | **33,845.0** | **19,750.0** | **91,305.0** | **76,663.0** | **186,486.9** |
| **Source of Funds Summary** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 2,271.7 | - | - | **-** | - | - | - | - | **-** | - | 2,271.7 |
| 2005 Water Revenue Bond Funds | 13,215.4 | 54.0 | 6,532.0 | **6,586.0** | 1,240.0 | - | - | - | **7,826.0** | - | 21,041.4 |
| Central Arizona Project Reserve Fund | 17.0 | - | - | **-** | - | - | - | - | **-** | - | 17.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 2,090.0 | 8,468.0 | 21,080.0 | 14,028.0 | **45,666.0** | 62,214.0 | 107,880.0 |
| Tucson Water Revenue and Operations Fund | 3,014.8 | - | 328.0 | **328.0** | 3,407.0 | 15,591.0 | 12,765.0 | 5,722.0 | **37,813.0** | 14,449.0 | 55,276.8 |
| **Program Area Total** | **18,518.9** | **54.0** | **6,860.0** | **6,914.0** | **6,737.0** | **24,059.0** | **33,845.0** | **19,750.0** | **91,305.0** | **76,663.0** | **186,486.9** |

# Tucson Water - Potable Transmission

($000)

## Avra Valley Transmission Main Augmentation

**Project ID:** W410
**Start Date:** 7/06
**End Date:** 7/16
**Location:** City and County

**Description:**
Design and construct approximately 60,000 feet of large diameter transmission main to deliver water from the Hayden-Udall Treatment Plant to the central system and southeast Tucson. Conceptual route study, easement acquisition, and design will be completed by Fiscal Year 2011; construction will begin in Fiscal Years 2014.

**Justification:**
This project will provide reliable delivery of SAVSARP (Southern Avra Valley Storage and Recovery Project) water to the central system by creating an alternate delivery route.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 887.3 | - | 280.0 | **280.0** | - | - | - | - | **280.0** | - | **1,167.3** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 450.0 | - | - | **450.0** | 47,214.0 | **47,664.0** |
| Tucson Water Revenue and Operations Fund | 23.4 | - | - | **-** | 1,117.0 | 385.0 | - | - | **1,502.0** | - | **1,525.4** |
| **Total** | 910.7 | - | 280.0 | **280.0** | 1,117.0 | 835.0 | - | - | **2,232.0** | 47,214.0 | **50,356.7** |

## Cathodic Protection for Critical Pipelines

**Project ID:** W320
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Design and construct cathodic protection and corrosion monitoring facilities. These pipelines range from 16- to 96-inches in diameter and are located throughout Tucson Water's service area.

**Justification:**
This project is necessary as a precautionary measure to prevent corrosion-related failure of the city's largest and most critical pipelines.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 260.0 | **260.0** | 260.0 | - | - | - | **520.0** | - | **520.0** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 260.0 | 20.0 | 20.0 | **300.0** | - | **300.0** |
| Tucson Water Revenue and Operations Fund | - | - | 40.0 | **40.0** | 40.0 | 40.0 | 280.0 | 280.0 | **680.0** | 1,600.0 | **2,280.0** |
| **Total** | - | - | 300.0 | **300.0** | 300.0 | 300.0 | 300.0 | 300.0 | **1,500.0** | 1,600.0 | **3,100.0** |

# Tucson Water - Potable Transmission

($000)

## CAVSARP Raw Water Augmentation

**Project ID:** W576
**Start Date:** 7/11
**End Date:** 6/13
**Location:** County

**Description:**
Design and install 8,000 feet of 36-inch diameter pipe. The project will begin at the new pumping station located at BKW farms, parallel the current 54- and 36-inch raw water lines feeding the recharge basins, and tie into the 36-inch high-density polyethylene line from the original pilot recharge basins. The line will then be connected to three recharge basins by the inlet structure laterals. The design will be completed in Fiscal Year 2012 with construction completion in Fiscal Year 2013.

**Justification:**
This project will increase the amount of Colorado River raw water delivered, from 80,000 acre-feet/year to 100,000 acre-feet/year, to the three new recharge basins at the Clearwater Facility.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | 250.0 | 1,000.0 | **1,250.0** | - | **1,250.0** |
| **Total** | - | - | - | **-** | - | - | 250.0 | 1,000.0 | **1,250.0** | - | **1,250.0** |

## Pipeline Protection: Acoustic Monitoring

**Project ID:** W506
**Start Date:** 11/04
**End Date:** 6/11
**Location:** Citywide

**Description:**
Install hydrophones to acoustically monitor critical pipelines that are pre-stressed concrete cylinder pipes wrapped with a high tensile pre-stressed wire. Wire slips or breaks will be recorded and communicated to the existing asset management system desktop computer and cellular phone.

**Justification:**
These hydrophones will monitor wire degradation in distressed reaches of the system. Corroded wires eventually break, which leads to catastrophic pipeline failure. Completion of this project contributes towards the goals and mission of the department by maintaining the integrity of the pipelines and ensuring the designed life expectancy of the asset.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 92.0 | **92.0** | - | - | - | - | **92.0** | - | **92.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 90.0 | 90.0 | - | - | **180.0** | - | **180.0** |
| Tucson Water Revenue and Operations Fund | 1,916.3 | - | 8.0 | **8.0** | 10.0 | 10.0 | - | - | **28.0** | - | **1,944.3** |
| **Total** | 1,916.3 | - | 100.0 | **100.0** | 100.0 | 100.0 | - | - | **300.0** | - | **2,216.3** |

# Tucson Water - Potable Transmission

($000)

## Rehabilitation of Critical Transmission Mains

**Project ID:** W518
**Start Date:** 7/05
**End Date:** 6/18
**Location:** City and County

**Description:**
Rehabilitate prestressed concrete cylinder pipe transmission main segments by installing tendons at approximately 3-inch intervals and applying shotcrete (concrete applied at high velocity). One or two pipe segments will be rehabilitated each fiscal year.

**Justification:**
The Pipeline Protection Program, through its internal electromagnetic surveys, has identified several distressed concrete cylinder pipe segments containing a high number of broken wires. Certain operating pressure and conditions combined with a critical number of wire breaks could result in pipe failure. This project will strengthen and improve the integrity of the pipe.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 140.0 | 145.0 | 150.0 | **435.0** | - | **435.0** |
| Tucson Water Revenue and Operations Fund | 762.4 | - | 130.0 | **130.0** | 135.0 | - | - | - | **265.0** | 500.0 | **1,527.4** |
| **Total** | 762.4 | - | 130.0 | **130.0** | 135.0 | 140.0 | 145.0 | 150.0 | **700.0** | 500.0 | **1,962.4** |

## Santa Rita Bel Air G Zone Transmission Main

**Project ID:** W555
**Start Date:** 7/06
**End Date:** 6/10
**Location:** County

**Description:**
Budget capacity to cover the reimbursement payments for oversizing a developer-financed transmission main to meet customer needs beyond the development. This 24-inch main will be increased to a 36-inch diameter main.

**Justification:**
This project will provide additional capacity needed to serve the Santa Rita Bel Air area.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | 152.6 | - | - | **-** | 2,085.0 | - | - | - | **2,085.0** | - | **2,237.6** |
| **Total** | 152.6 | - | - | **-** | 2,085.0 | - | - | - | **2,085.0** | - | **2,237.6** |

# Tucson Water - Potable Transmission

($000)

## South Avra Valley Raw Water Delivery Pipeline

**Project ID:** W339
**Start Date:** 7/03
**End Date:** 1/09
**Location:** County

**Description:**
Design and construct, in three phases, additional pipelines to convey Colorado River water to the recharge area in South Avra Valley. Phase I included the design and construction of the Central Arizona Project Turnout and Metering Vault. Phase II installed 7,500 feet of 60-inch transmission main. Phase I and II were completed in Fiscal Year 2008. Phase III will install approximately 9,500 feet of 60-inch, 6,000 feet of 54-inch, and 2,000 feet of 42-inch transmission main and will be completed early in Fiscal Year 2009.

**Justification:**
This main will convey Colorado River water for recharge to the Southern Avra Valley Storage and Recovery Project.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Water Revenue Bond Funds | 172.8 | - | - | **-** | - | - | - | - | **-** | - | **172.8** |
| 2005 Water Revenue Bond Funds | 12,106.1 | - | 3,400.0 | **3,400.0** | - | - | - | - | **3,400.0** | - | **15,506.1** |
| Central Arizona Project Reserve Fund | 17.0 | - | - | **-** | - | - | - | - | **-** | - | **17.0** |
| Tucson Water Revenue and Operations Fund | 56.5 | - | 150.0 | **150.0** | - | - | - | - | **150.0** | - | **206.5** |
| **Total** | 12,352.4 | - | 3,550.0 | **3,550.0** | - | - | - | - | **3,550.0** | - | **15,902.4** |

## South Avra Valley Recovered Transmission Main

**Project ID:** W444
**Start Date:** 7/08
**End Date:** 6/12
**Location:** County

**Description:**
Design and install approximately 48,000 feet of 84-inch transmission main in South Avra Valley. The design phase of this project will be completed in Fiscal Year 2009. Construction will begin in Fiscal Year 2010.

**Justification:**
The pipeline will convey recovered, recharged Colorado River water from the Southern Avra Valley Storage and Recovery Project basins to the Hayden-Udall Treatment Plant.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 186.0 | 54.0 | 2,000.0 | **2,054.0** | 980.0 | - | - | - | **3,034.0** | - | **3,220.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 2,000.0 | 7,528.0 | 19,831.0 | - | **29,359.0** | - | **29,359.0** |
| Tucson Water Revenue and Operations Fund | 10.0 | - | - | **-** | 20.0 | 15,156.0 | 12,485.0 | - | **27,661.0** | - | **27,671.0** |
| **Total** | 196.0 | 54.0 | 2,000.0 | **2,054.0** | 3,000.0 | 22,684.0 | 32,316.0 | - | **60,054.0** | - | **60,250.0** |

# Tucson Water - Potable Transmission

($000)

## Southeast E Zone Transmission Main

**Project ID:** W321
**Start Date:** 7/02
**End Date:** 6/14
**Location:** County

**Description:**
Design and install approximately 24,000 feet of 66-inch transmission main. The main will connect from a 24-inch cross at the southeast corner of Hermans and Wilmot Roads. The main will follow Wilmot Road south and head east along Old Vail Road before reaching the Southeast E Zone Reservoir site. The gap in funding for this project is necessitated by the need to accommodate the Southern Avra Valley Storage and Recovery Project.

**Justification:**
This project will ensure the delivery of water to future developments in the southeast region.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Water Revenue Bond Funds | 2,098.9 | - | - | **-** | - | - | - | - | **-** | - | **2,098.9** |
| 2005 Water Revenue Bond Funds | 36.0 | - | - | **-** | - | - | - | - | **-** | - | **36.0** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | 50.0 | 700.0 | **750.0** | - | **750.0** |
| Tucson Water Revenue and Operations Fund | 93.6 | - | - | **-** | - | - | - | - | **-** | 12,349.0 | **12,442.6** |
| **Total** | 2,228.5 | - | - | **-** | - | - | 50.0 | 700.0 | **750.0** | 12,349.0 | **15,327.5** |

## Swan to Wilmot Transmission Main

**Project ID:** W655
**Start Date:** 7/11
**End Date:** 6/13
**Location:** City and County

**Description:**
Design and construct approximately 12,000 feet of 66-inch diameter transmission main from the Southeast C Zone Reservoir to the Southeast E Zone Transmission Main. Design will begin in Fiscal Year 2012, followed by construction in Fiscal Year 2013.

**Justification:**
This main is needed to ensure reliable service in the growing southeast area.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | 784.0 | 1,558.0 | **2,342.0** | - | **2,342.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | 5,442.0 | **5,442.0** | - | **5,442.0** |
| **Total** | - | - | - | **-** | - | - | 784.0 | 7,000.0 | **7,784.0** | - | **7,784.0** |

# Tucson Water - Potable Transmission

($000)

## Transmission Main Projects - General

**Project ID:** WD99
**Start Date:** 7/12
**End Date:** 6/18
**Location:** City and County

**Description:**
Budget capacity for anticipated, but not yet specifically identified, projects. Projects will be determined as part of Tucson Water's ongoing capital planning process, which takes a comprehensive look at system needs.

**Justification:**
This project will ensure that the utility can meet future water demands as population and usage change.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | 10,600.0 | **10,600.0** | 15,000.0 | **25,600.0** |
| **Total** | - | - | - | **-** | - | - | - | 10,600.0 | **10,600.0** | 15,000.0 | **25,600.0** |

## Union Pacific Railroad Potable Casing Extensions

**Project ID:** W719
**Start Date:** 7/08
**End Date:** 6/09
**Location:** County

**Description:**
Extend potable water casings at railroad crossings.

**Justification:**
Union Pacific Railroad is adding an additional track to its system. This track will cross five water lines, the largest being the 42-inch main at Ina Road. This project will ensure that water crossings are not damaged by the new railroad tracks.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | **500.0** |
| **Total** | - | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | **500.0** |

# Tucson Water - Potable Distribution

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Distribution Main Projects - General** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 221.0 | **221.0** | 1,200.0 | - | - | - | **1,421.0** | - | 1,421.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 3,230.0 | - | - | 5,664.0 | **8,894.0** | - | 8,894.0 |
| Tucson Water Revenue and Operations Fund | - | - | 279.0 | **279.0** | - | - | - | 13,804.0 | **14,083.0** | - | 14,083.0 |
| | **-** | **-** | **500.0** | **500.0** | **4,430.0** | **-** | **-** | **19,468.0** | **24,398.0** | **-** | **24,398.0** |
| **Emergency Main Replacement** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 200.0 | **200.0** | - | - | - | - | **200.0** | - | 200.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 200.0 | 200.0 | 100.0 | 100.0 | **600.0** | 1,000.0 | 1,600.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 100.0 | 100.0 | **200.0** | - | 200.0 |
| | **-** | **-** | **200.0** | **200.0** | **200.0** | **200.0** | **200.0** | **200.0** | **1,000.0** | **1,000.0** | **2,000.0** |
| **Extensions for New Services** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | 10.0 | **10.0** | 10.0 | 10.0 | 10.0 | 10.0 | **50.0** | 50.0 | 100.0 |
| | **-** | **-** | **10.0** | **10.0** | **10.0** | **10.0** | **10.0** | **10.0** | **50.0** | **50.0** | **100.0** |
| **On-Call Valve Replacement Program** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 502.5 | - | 860.0 | **860.0** | - | - | - | - | **860.0** | - | 1,362.5 |
| Future Water Revenue Bonds | - | - | - | **-** | 200.0 | 200.0 | 100.0 | 100.0 | **600.0** | 1,000.0 | 1,600.0 |
| Tucson Water Revenue and Operations Fund | 239.2 | - | - | **-** | - | - | 100.0 | 100.0 | **200.0** | - | 439.2 |
| | **741.7** | **-** | **860.0** | **860.0** | **200.0** | **200.0** | **200.0** | **200.0** | **1,660.0** | **1,000.0** | **3,401.7** |
| **Payments to Developers for Oversized Systems** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | 100.0 | **100.0** | 100.0 | 100.0 | 100.0 | 100.0 | **500.0** | 1,000.0 | 1,500.0 |
| | **-** | **-** | **100.0** | **100.0** | **100.0** | **100.0** | **100.0** | **100.0** | **500.0** | **1,000.0** | **1,500.0** |
| **Quadrant Main Replacements** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 2,593.2 | - | - | **-** | - | - | - | - | **-** | - | 2,593.2 |
| 2005 Water Revenue Bond Funds | 1,140.4 | 435.0 | - | **435.0** | - | - | - | - | **435.0** | - | 1,575.4 |
| Tucson Water Revenue and Operations Fund | 133.1 | - | - | **-** | - | - | - | - | **-** | - | 133.1 |
| | **3,866.7** | **435.0** | **-** | **435.0** | **-** | **-** | **-** | **-** | **435.0** | **-** | **4,301.7** |

# Tucson Water - Potable Distribution

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Redington Road Main Improvements** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 305.0 | **305.0** | - | - | - | - | **305.0** | - | 305.0 |
| Tucson Water Revenue and Operations Fund | 37.5 | - | - | **-** | - | - | - | - | **-** | - | 37.5 |
| | **37.5** | **-** | **305.0** | **305.0** | **-** | **-** | **-** | **-** | **305.0** | **-** | **342.5** |
| **Review Developer-Financed Potable Projects** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | 850.0 | **850.0** | 850.0 | 850.0 | 850.0 | 850.0 | **4,250.0** | 4,250.0 | 8,500.0 |
| | **-** | **-** | **850.0** | **850.0** | **850.0** | **850.0** | **850.0** | **850.0** | **4,250.0** | **4,250.0** | **8,500.0** |
| **Road Improvement Main Replacements** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 1,100.0 | **1,100.0** | 1,624.0 | - | - | - | **2,724.0** | - | 2,724.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 5,362.0 | 7,000.0 | 5,000.0 | - | **17,362.0** | 31,512.0 | 48,874.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 2,550.0 | 8,000.0 | **10,550.0** | - | 10,550.0 |
| Water Infrastructure Reserve Fund | - | - | 2,772.0 | **2,772.0** | - | - | - | - | **2,772.0** | - | 2,772.0 |
| | **-** | **-** | **3,872.0** | **3,872.0** | **6,986.0** | **7,000.0** | **7,550.0** | **8,000.0** | **33,408.0** | **31,512.0** | **64,920.0** |
| **SAVSARP Collector Pipelines, Ph. I and II** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 35.0 | 5.0 | - | **5.0** | - | - | - | - | **5.0** | - | 40.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 60.0 | 5,400.0 | 2,300.0 | - | **7,760.0** | - | 7,760.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 2,000.0 | - | **2,000.0** | - | 2,000.0 |
| | **35.0** | **5.0** | **-** | **5.0** | **60.0** | **5,400.0** | **4,300.0** | **-** | **9,765.0** | **-** | **9,800.0** |
| **SAVSARP Collector Pipelines, Ph. III** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | - | **-** | 3,850.0 | 3,850.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **3,850.0** | **3,850.0** |
| **Samos Main Replacement** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 31.2 | 75.0 | 313.0 | **388.0** | - | - | - | - | **388.0** | - | 419.2 |
| Tucson Water Revenue and Operations Fund | 49.8 | - | - | **-** | - | - | - | - | **-** | - | 49.8 |
| Water Infrastructure Reserve Fund | - | - | 1,000.0 | **1,000.0** | - | - | - | - | **1,000.0** | - | 1,000.0 |
| | **81.0** | **75.0** | **1,313.0** | **1,388.0** | **-** | **-** | **-** | **-** | **1,388.0** | **-** | **1,469.0** |

# Tucson Water - Potable Distribution

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Tanque Verde Road Main Replacement** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 276.0 | **276.0** | - | - | - | - | **276.0** | - | 276.0 |
| Tucson Water Revenue and Operations Fund | 26.0 | - | - | **-** | - | - | - | - | **-** | - | 26.0 |
| | **26.0** | **-** | **276.0** | **276.0** | **-** | **-** | **-** | **-** | **276.0** | **-** | **302.0** |
| **Tucson Airport Authority Distribution Main** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 750.0 | **750.0** | - | - | - | - | **750.0** | - | 750.0 |
| Tucson Water Revenue and Operations Fund | 50.0 | - | - | **-** | - | - | - | - | **-** | - | 50.0 |
| | **50.0** | **-** | **750.0** | **750.0** | **-** | **-** | **-** | **-** | **750.0** | **-** | **800.0** |
| **Water System Acquisitions** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | 300.0 | - | 300.0 | **300.0** | - | - | - | - | **300.0** | - | 600.0 |
| | **300.0** | **-** | **300.0** | **300.0** | **-** | **-** | **-** | **-** | **300.0** | **-** | **600.0** |
| **Program Area Total** | **5,137.9** | **515.0** | **9,336.0** | **9,851.0** | **12,836.0** | **13,760.0** | **13,210.0** | **28,828.0** | **78,485.0** | **42,662.0** | **126,284.9** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 Water Revenue Bond Funds | 2,593.2 | - | - | **-** | - | - | - | - | **-** | - | 2,593.2 |
| 2005 Water Revenue Bond Funds | 1,709.1 | 515.0 | 4,025.0 | **4,540.0** | 2,824.0 | - | - | - | **7,364.0** | - | 9,073.1 |
| Future Water Revenue Bonds | - | - | - | **-** | 9,052.0 | 12,800.0 | 7,500.0 | 5,864.0 | **35,216.0** | 37,362.0 | 72,578.0 |
| Tucson Water Revenue and Operations Fund | 835.6 | - | 1,539.0 | **1,539.0** | 960.0 | 960.0 | 5,710.0 | 22,964.0 | **32,133.0** | 5,300.0 | 38,268.6 |
| Water Infrastructure Reserve Fund | - | - | 3,772.0 | **3,772.0** | - | - | - | - | **3,772.0** | - | 3,772.0 |
| **Program Area Total** | **5,137.9** | **515.0** | **9,336.0** | **9,851.0** | **12,836.0** | **13,760.0** | **13,210.0** | **28,828.0** | **78,485.0** | **42,662.0** | **126,284.9** |

# Tucson Water - Potable Distribution

($000)

## Distribution Main Projects - General

**Project ID:** WDD9
**Start Date:** 7/08
**End Date:** 6/13
**Location:** City and County

**Description:**
Budget capacity for anticipated, but not yet specifically identified infrastructure replacement projects. Projects will be determined as part of Tucson Water's ongoing capital planning process, which takes a comprehensive look at system needs.

**Justification:**
These projects will ensure that the system can meet volume and pressure requirements during the summer months.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 221.0 | **221.0** | 1,200.0 | - | - | - | **1,421.0** | - | **1,421.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 3,230.0 | - | - | 5,664.0 | **8,894.0** | - | **8,894.0** |
| Tucson Water Revenue and Operations Fund | - | - | 279.0 | **279.0** | - | - | - | 13,804.0 | **14,083.0** | - | **14,083.0** |
| **Total** | - | - | 500.0 | **500.0** | 4,430.0 | - | - | 19,468.0 | **24,398.0** | - | **24,398.0** |

## Emergency Main Replacement

**Project ID:** W186
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Replace approximately 3,000 feet of mains annually, on an as-needed, emergency basis.

**Justification:**
Immediate response to requests for emergency main replacements is required to reduce water loss, improve system reliability, and maintain water quality.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 200.0 | **200.0** | - | - | - | - | **200.0** | - | **200.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 200.0 | 200.0 | 100.0 | 100.0 | **600.0** | 1,000.0 | **1,600.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 100.0 | 100.0 | **200.0** | - | **200.0** |
| **Total** | - | - | 200.0 | **200.0** | 200.0 | 200.0 | 200.0 | 200.0 | **1,000.0** | 1,000.0 | **2,000.0** |

# Tucson Water - Potable Distribution

($000)

## Extensions for New Services

**Project ID:** W107
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Design and install minor extensions from the distribution system as requested by customers. Associated costs are reimbursed by the customer.

**Justification:**
Extensions allow Tucson Water to install (or upgrade piping in order to install) new services in an expeditious manner. This project ensures that piping is suitable in strength and durability and is available to connect to the distribution system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | 10.0 | **10.0** | 10.0 | 10.0 | 10.0 | 10.0 | **50.0** | 50.0 | **100.0** |
| **Total** | - | - | 10.0 | **10.0** | 10.0 | 10.0 | 10.0 | 10.0 | **50.0** | 50.0 | **100.0** |

## On-Call Valve Replacement Program

**Project ID:** W283
**Start Date:** 6/07
**End Date:** 6/18
**Location:** City and County

**Description:**
Replace and upgrade broken or inoperable water valves.

**Justification:**
This replacement program reduces the number of unplanned water interruptions to customers, improves water quality, and contributes to a more reliable system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 502.5 | - | 860.0 | **860.0** | - | - | - | - | **860.0** | - | **1,362.5** |
| Future Water Revenue Bonds | - | - | - | **-** | 200.0 | 200.0 | 100.0 | 100.0 | **600.0** | 1,000.0 | **1,600.0** |
| Tucson Water Revenue and Operations Fund | 239.2 | - | - | **-** | - | - | 100.0 | 100.0 | **200.0** | - | **439.2** |
| **Total** | 741.7 | - | 860.0 | **860.0** | 200.0 | 200.0 | 200.0 | 200.0 | **1,660.0** | 1,000.0 | **3,401.7** |

# Tucson Water - Potable Distribution

($000)

## Payments to Developers for Oversized Systems

**Project ID:** W108
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Reimburse developers for the cost of oversizing water system components (pipes, mains, and boosters) when Tucson Water requests a capacity greater than needed by the development.

**Justification:**
Oversizing is sometimes required to supply present or projected future demands consistent with Tucson Water's planning and to avoid expensive replacement by the utility in the future.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | 100.0 | **100.0** | 100.0 | 100.0 | 100.0 | 100.0 | **500.0** | 1,000.0 | **1,500.0** |
| **Total** | - | - | 100.0 | **100.0** | 100.0 | 100.0 | 100.0 | 100.0 | **500.0** | 1,000.0 | **1,500.0** |

## Quadrant Main Replacements

**Project ID:** W346
**Start Date:** 7/00
**End Date:** 6/09
**Location:** City and County

**Description:**
Replace deteriorating galvanized steel piping that could not previously be replaced due to pavement moratoriums or lack of easements.

**Justification:**
This project will improve water quality, operating efficiency, and system reliability.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Water Revenue Bond Funds | 2,593.2 | - | - | **-** | - | - | - | - | **-** | - | **2,593.2** |
| 2005 Water Revenue Bond Funds | 1,140.4 | 435.0 | - | **435.0** | - | - | - | - | **435.0** | - | **1,575.4** |
| Tucson Water Revenue and Operations Fund | 133.1 | - | - | **-** | - | - | - | - | **-** | - | **133.1** |
| **Total** | 3,866.7 | 435.0 | - | **435.0** | - | - | - | - | **435.0** | - | **4,301.7** |

# Tucson Water - Potable Distribution

($000)

## Redington Road Main Improvements

**Project ID:** W519
**Start Date:** 1/06
**End Date:** 6/09
**Location:** County

**Description:**
Design and construct 3,000 feet of 12-inch main from Wentworth Road to Camino Cebadilla along Redington Road.

**Justification:**
The Redington Road area (east of Wentworth) is supplied water by a single 6-inch main that cannot maintain adequate water flow to the higher elevation customers. This 12-inch main will increase system reliability in the area and also provide adequate fireflow. (Fireflow is the amount of water capacity required by the Fire Code.)

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 305.0 | **305.0** | - | - | - | - | **305.0** | - | **305.0** |
| Tucson Water Revenue and Operations Fund | 37.5 | - | - | **-** | - | - | - | - | **-** | - | **37.5** |
| **Total** | 37.5 | - | 305.0 | **305.0** | - | - | - | - | **305.0** | - | **342.5** |

## Review Developer-Financed Potable Projects

**Project ID:** W109
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Conduct plan reviews and inspect the construction of developer-financed water system infrastructure projects. Associated costs are recovered by fees paid by the developer. These systems are donated to Tucson Water upon completion.

**Justification:**
The review and inspection of developer-financed water system infrastructure projects ensures compliance with Tucson Water requirements.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | 850.0 | **850.0** | 850.0 | 850.0 | 850.0 | 850.0 | **4,250.0** | 4,250.0 | **8,500.0** |
| **Total** | - | - | 850.0 | **850.0** | 850.0 | 850.0 | 850.0 | 850.0 | **4,250.0** | 4,250.0 | **8,500.0** |

# Tucson Water - Potable Distribution

($000)

## Road Improvement Main Replacements

**Project ID:** W111
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Install water mains during road improvement projects of City of Tucson, Pima County, Arizona Department of Transportation, and other agencies.

**Justification:**
Replacing water mains during roadway projects allows Tucson Water to increase system capacity, while saving money on the cost of pavement removal and replacement.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 1,100.0 | **1,100.0** | 1,624.0 | - | - | - | **2,724.0** | - | **2,724.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 5,362.0 | 7,000.0 | 5,000.0 | - | **17,362.0** | 31,512.0 | **48,874.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 2,550.0 | 8,000.0 | **10,550.0** | - | **10,550.0** |
| Water Infrastructure Reserve Fund | - | - | 2,772.0 | **2,772.0** | - | - | - | - | **2,772.0** | - | **2,772.0** |
| **Total** | - | - | 3,872.0 | **3,872.0** | 6,986.0 | 7,000.0 | 7,550.0 | 8,000.0 | **33,408.0** | 31,512.0 | **64,920.0** |

## Samos Main Replacement

**Project ID:** W545
**Start Date:** 7/06
**End Date:** 6/09
**Location:** Ward 3

**Description:**
Design and construct 1,900 feet of 6-inch pipe, 10,000 feet of 8-inch pipe, and 180 service renewals in addition to valves, fire hydrants, pavement, and other equipment. The project's approximate boundaries include a new water main along Campbell Avenue from Blacklidge Drive on the north to Grant Road on the south. Other water work is bounded by Adelaide Drive on the north, Copper Street on the south, Mountain Avenue on the west, and Campbell Avenue on the east. Construction will be completed in Fiscal Year 2009.

**Justification:**
The department has recently responded to numerous main breaks in the area. This project will improve the integrity of the pipeline by replacing the existing asbestos cement pipes which have deteriorated due to age.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 31.2 | 75.0 | 313.0 | **388.0** | - | - | - | - | **388.0** | - | **419.2** |
| Tucson Water Revenue and Operations Fund | 49.8 | - | - | **-** | - | - | - | - | **-** | - | **49.8** |
| Water Infrastructure Reserve Fund | - | - | 1,000.0 | **1,000.0** | - | - | - | - | **1,000.0** | - | **1,000.0** |
| **Total** | 81.0 | 75.0 | 1,313.0 | **1,388.0** | - | - | - | - | **1,388.0** | - | **1,469.0** |

# Tucson Water - Potable Distribution

($000)

## SAVSARP Collector Pipelines, Ph. I and II

**Project ID:** W492
**Start Date:** 7/07
**End Date:** 6/12
**Location:** County

**Description:**
Design and install approximately 13,200 feet of 16-inch pipe, 6,600 feet of 24-inch pipe, 5,000 feet of 30-inch pipe, 2,700 feet of 36-inch pipe, 10,500 feet of 48-inch pipe, 3,500 feet of 54-inch pipe, 1,800 feet of 60-inch pipe, and 350 feet of 72-inch pipe, totaling 44,000 feet of pipe. Design will be complete in Fiscal Year 2010, and construction will be completed in Fiscal Year 2012.

**Justification:**
This project will provide infrastructure for the transmission of recovered Colorado River water from new SAVSARP wells to the SAVSARP reservoir.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 35.0 | 5.0 | - | **5.0** | - | - | - | - | **5.0** | - | **40.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 60.0 | 5,400.0 | 2,300.0 | - | **7,760.0** | - | **7,760.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 2,000.0 | - | **2,000.0** | - | **2,000.0** |
| **Total** | 35.0 | 5.0 | - | **5.0** | 60.0 | 5,400.0 | 4,300.0 | - | **9,765.0** | - | **9,800.0** |

## SAVSARP Collector Pipelines, Ph. III

**Project ID:** W710
**Start Date:** 7/13
**End Date:** 6/15
**Location:** County

**Description:**
Design and install approximately 5,800 feet of 16-inch pipe, 5,400 feet of 24-inch pipe, 10,500 feet of 30-inch pipe with valves and appurtenances.

**Justification:**
This project will provide infrastructure for the transmission of recharged Colorado River water from additional SAVSARP (Southern Avra Valley Storage and Recovery Project) wells to the SAVSARP reservoir.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | - | **-** | 3,850.0 | **3,850.0** |
| **Total** | - | - | - | **-** | - | - | - | - | **-** | 3,850.0 | **3,850.0** |

# Tucson Water - Potable Distribution

($000)

## Tanque Verde Road Main Replacement

**Project ID:** W660
**Start Date:** 7/08
**End Date:** 6/09
**Location:** County

**Description:**
Design and install approximately 1,100 feet of 12-inch main along Tanque Verde Road between Tanque Verde Wash and Woodland Road. Construction will be completed in Fiscal Year 2009.

**Justification:**
The existing pipe is failing and numerous breaks have recently occurred in this area.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 276.0 | **276.0** | - | - | - | - | **276.0** | - | **276.0** |
| Tucson Water Revenue and Operations Fund | 26.0 | - | - | **-** | - | - | - | - | **-** | - | **26.0** |
| **Total** | 26.0 | - | 276.0 | **276.0** | - | - | - | - | **276.0** | - | **302.0** |

## Tucson Airport Authority Distribution Main

**Project ID:** W528
**Start Date:** 7/08
**End Date:** 6/09
**Location:** County

**Description:**
Design and install 3,700 feet of 16-inch diameter pipe near the airport.

**Justification:**
Currently, 40-year-old 12-inch diameter pipelines are used to supply water to customers. Failures have occurred on the existing pipeline. The new 16-inch pipe will be relocated to areas with better accessibility and will improve system reliability and fire flow. (Fire flow is the amount of water capacity required by the Fire Code.)

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 750.0 | **750.0** | - | - | - | - | **750.0** | - | **750.0** |
| Tucson Water Revenue and Operations Fund | 50.0 | - | - | **-** | - | - | - | - | **-** | - | **50.0** |
| **Total** | 50.0 | - | 750.0 | **750.0** | - | - | - | - | **750.0** | - | **800.0** |

# Tucson Water - Potable Distribution

($000)

## Water System Acquisitions

**Project ID:** W520

**Start Date:** 7/07
**End Date:** 6/09

**Location:** County

**Description:**
Acquire water systems with assets that comply with Tucson Water acquisition standards.

**Justification:**
Acquisitions will provide a more secure water supply for existing and new customers.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | 300.0 | - | 300.0 | **300.0** | - | - | - | - | **300.0** | - | **600.0** |
| **Total** | 300.0 | - | 300.0 | **300.0** | - | - | - | - | **300.0** | - | **600.0** |

# Tucson Water - Potable New Services

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Fire Services** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | 2,000.0 | **2,000.0** | 2,000.0 | 2,000.0 | 2,000.0 | 2,000.0 | **10,000.0** | 10,000.0 | 20,000.0 |
| | **-** | **-** | **2,000.0** | **2,000.0** | **2,000.0** | **2,000.0** | **2,000.0** | **2,000.0** | **10,000.0** | **10,000.0** | **20,000.0** |
| **Water Services** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | 1,060.0 | **1,060.0** | 1,110.0 | 1,210.0 | 1,210.0 | 1,210.0 | **5,800.0** | 6,050.0 | 11,850.0 |
| | **-** | **-** | **1,060.0** | **1,060.0** | **1,110.0** | **1,210.0** | **1,210.0** | **1,210.0** | **5,800.0** | **6,050.0** | **11,850.0** |
| **Program Area Total** | **-** | **-** | **3,060.0** | **3,060.0** | **3,110.0** | **3,210.0** | **3,210.0** | **3,210.0** | **15,800.0** | **16,050.0** | **31,850.0** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tucson Water Revenue and Operations Fund | - | - | 3,060.0 | **3,060.0** | 3,110.0 | 3,210.0 | 3,210.0 | 3,210.0 | **15,800.0** | 16,050.0 | 31,850.0 |
| **Program Area Total** | **-** | **-** | **3,060.0** | **3,060.0** | **3,110.0** | **3,210.0** | **3,210.0** | **3,210.0** | **15,800.0** | **16,050.0** | **31,850.0** |

# Tucson Water - Potable New Services

($000)

## Fire Services

**Project ID:** W124
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Design and install fire hydrants and fire sprinkler service connections in areas needed upon customer request and payment of connection fees.

**Justification:**
This project is required to provide for the installation of new fire hydrants and fire services to customers upon request.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | 2,000.0 | **2,000.0** | 2,000.0 | 2,000.0 | 2,000.0 | 2,000.0 | **10,000.0** | 10,000.0 | **20,000.0** |
| **Total** | - | - | 2,000.0 | **2,000.0** | 2,000.0 | 2,000.0 | 2,000.0 | 2,000.0 | **10,000.0** | 10,000.0 | **20,000.0** |

## Water Services

**Project ID:** W114
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Install new metered water services upon customer request and payment of connection fees. These services include minor main connections, extensions, and meters to new services.

**Justification:**
This project is required to provide for the installation of new metered services to customers upon request.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | 1,060.0 | **1,060.0** | 1,110.0 | 1,210.0 | 1,210.0 | 1,210.0 | **5,800.0** | 6,050.0 | **11,850.0** |
| **Total** | - | - | 1,060.0 | **1,060.0** | 1,110.0 | 1,210.0 | 1,210.0 | 1,210.0 | **5,800.0** | 6,050.0 | **11,850.0** |

# Tucson Water - Potable General Plant

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **CAVSARP Security Grant** | | | | | | | | | | | |
| Tucson Water Fund: Federal Grants | - | - | 361.6 | **361.6** | - | - | - | - | **361.6** | - | 361.6 |
| Tucson Water Fund: State Grants | 361.6 | - | - | **-** | - | - | - | - | **-** | - | 361.6 |
| Tucson Water Revenue and Operations Fund | 499.1 | - | 258.4 | **258.4** | - | - | - | - | **258.4** | - | 757.5 |
| | **860.7** | **-** | **620.0** | **620.0** | **-** | **-** | **-** | **-** | **620.0** | **-** | **1,480.7** |
| **Eastside Maintenance Facility** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 1,409.4 | 2,592.0 | 3,508.0 | **6,100.0** | - | - | - | - | **6,100.0** | - | 7,509.4 |
| Tucson Water Revenue and Operations Fund | 91.4 | - | - | **-** | - | - | - | - | **-** | - | 91.4 |
| | **1,500.8** | **2,592.0** | **3,508.0** | **6,100.0** | **-** | **-** | **-** | **-** | **6,100.0** | **-** | **7,600.8** |
| **Facility Improvements - General** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | - | **-** | 1,250.0 | 1,250.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **1,250.0** | **1,250.0** |
| **Facility Safety and Security Infrastructure** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 709.4 | - | - | **-** | - | - | - | - | **-** | - | 709.4 |
| 2005 Water Revenue Bond Funds | 652.2 | - | 567.0 | **567.0** | - | - | - | - | **567.0** | - | 1,219.2 |
| Future Water Revenue Bonds | - | - | - | **-** | 1,148.0 | 1,167.0 | 390.0 | 420.0 | **3,125.0** | - | 3,125.0 |
| Tucson Water Revenue and Operations Fund | 124.8 | - | - | **-** | - | - | 1,000.0 | 1,000.0 | **2,000.0** | - | 2,124.8 |
| | **1,486.4** | **-** | **567.0** | **567.0** | **1,148.0** | **1,167.0** | **1,390.0** | **1,420.0** | **5,692.0** | **-** | **7,178.4** |
| **La Entrada HVAC Replacement** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 150.1 | 403.0 | 975.0 | **1,378.0** | - | - | - | - | **1,378.0** | - | 1,528.1 |
| Tucson Water Revenue and Operations Fund | 155.9 | - | - | **-** | - | - | - | - | **-** | - | 155.9 |
| | **306.0** | **403.0** | **975.0** | **1,378.0** | **-** | **-** | **-** | **-** | **1,378.0** | **-** | **1,684.0** |

# Tucson Water - Potable General Plant

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Meter Upgrade and Replacement Program** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 460.0 | **460.0** | - | - | - | - | **460.0** | - | 460.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 1,140.0 | 1,000.0 | 478.0 | 300.0 | **2,918.0** | 3,000.0 | 5,918.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 400.0 | 300.0 | **700.0** | - | 700.0 |
| Water Infrastructure Reserve Fund | - | - | 1,000.0 | **1,000.0** | - | - | - | - | **1,000.0** | - | 1,000.0 |
| | **-** | **-** | **1,460.0** | **1,460.0** | **1,140.0** | **1,000.0** | **878.0** | **600.0** | **5,078.0** | **3,000.0** | **8,078.0** |
| **Miscellaneous Land and Right-of-Way Acquisitions** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | 10.0 | **10.0** | 10.0 | 10.0 | 10.0 | 10.0 | **50.0** | 50.0 | 100.0 |
| | **-** | **-** | **10.0** | **10.0** | **10.0** | **10.0** | **10.0** | **10.0** | **50.0** | **50.0** | **100.0** |
| **Monitoring Equipment Grant** | | | | | | | | | | | |
| Tucson Water Fund: Federal Grants | - | - | 180.4 | **180.4** | 70.0 | - | - | - | **250.4** | - | 250.4 |
| Tucson Water Fund: State Grants | 215.1 | - | - | **-** | - | - | - | - | **-** | - | 215.1 |
| Tucson Water Revenue and Operations Fund | 34.9 | - | 69.6 | **69.6** | - | - | - | - | **69.6** | - | 104.5 |
| | **250.0** | **-** | **250.0** | **250.0** | **70.0** | **-** | **-** | **-** | **320.0** | **-** | **570.0** |
| **Plant #1 Relocation Assessment** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | 200.0 | **200.0** | - | - | - | - | **200.0** | - | 200.0 |
| | **-** | **-** | **200.0** | **200.0** | **-** | **-** | **-** | **-** | **200.0** | **-** | **200.0** |
| **Responsive Meter Replacement** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 250.0 | **250.0** | - | - | - | - | **250.0** | - | 250.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 250.0 | 250.0 | 50.0 | 50.0 | **600.0** | 1,000.0 | 1,600.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 200.0 | 200.0 | **400.0** | 250.0 | 650.0 |
| | **-** | **-** | **250.0** | **250.0** | **250.0** | **250.0** | **250.0** | **250.0** | **1,250.0** | **1,250.0** | **2,500.0** |

# Tucson Water - Potable General Plant

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Source Meter Replacement** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 635.0 | **635.0** | - | - | - | - | **635.0** | - | 635.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 685.0 | - | - | - | **685.0** | - | 685.0 |
| Tucson Water Revenue and Operations Fund | - | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | 50.0 |
| | **-** | **-** | **685.0** | **685.0** | **685.0** | **-** | **-** | **-** | **1,370.0** | **-** | **1,370.0** |
| **Program Area Total** | **4,403.9** | **2,995.0** | **8,525.0** | **11,520.0** | **3,303.0** | **2,427.0** | **2,528.0** | **2,280.0** | **22,058.0** | **5,550.0** | **32,011.9** |
| **Source of Funds Summary** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 709.4 | - | - | **-** | - | - | - | - | **-** | - | 709.4 |
| 2005 Water Revenue Bond Funds | 2,211.7 | 2,995.0 | 6,395.0 | **9,390.0** | - | - | - | - | **9,390.0** | - | 11,601.7 |
| Future Water Revenue Bonds | - | - | - | **-** | 3,223.0 | 2,417.0 | 918.0 | 770.0 | **7,328.0** | 5,250.0 | 12,578.0 |
| Tucson Water Fund: Federal Grants | - | - | 542.0 | **542.0** | 70.0 | - | - | - | **612.0** | - | 612.0 |
| Tucson Water Fund: State Grants | 576.7 | - | - | **-** | - | - | - | - | **-** | - | 576.7 |
| Tucson Water Revenue and Operations Fund | 906.1 | - | 588.0 | **588.0** | 10.0 | 10.0 | 1,610.0 | 1,510.0 | **3,728.0** | 300.0 | 4,934.1 |
| Water Infrastructure Reserve Fund | - | - | 1,000.0 | **1,000.0** | - | - | - | - | **1,000.0** | - | 1,000.0 |
| **Program Area Total** | **4,403.9** | **2,995.0** | **8,525.0** | **11,520.0** | **3,303.0** | **2,427.0** | **2,528.0** | **2,280.0** | **22,058.0** | **5,550.0** | **32,011.9** |

# Tucson Water - Potable General Plant

($000)

## CAVSARP Security Grant

**Project ID:** W601
**Start Date:** 7/07
**End Date:** 6/09
**Location:** City and County

**Description:**
Purchase and install a secured communication network and other emerging security technologies at the Central Avra Valley Storage and Recovery Project (CAVSARP).

**Justification:**
This project will complete the additional security improvements at all of the Clearwater facilities.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Fund: Federal Grants | - | - | 361.6 | **361.6** | - | - | - | - | **361.6** | - | **361.6** |
| Tucson Water Fund: State Grants | 361.6 | - | - | **-** | - | - | - | - | **-** | - | **361.6** |
| Tucson Water Revenue and Operations Fund | 499.1 | - | 258.4 | **258.4** | - | - | - | - | **258.4** | - | **757.5** |
| **Total** | 860.7 | - | 620.0 | **620.0** | - | - | - | - | **620.0** | - | **1,480.7** |

## Eastside Maintenance Facility

**Project ID:** W504
**Start Date:** 7/05
**End Date:** 6/09
**Location:** Ward 4

**Description:**
Design and construct the new eastside satellite facility at 10445 East Golf Links Road. This new satellite facility will house the department's eastside operations and maintenance division, metering services, and stores warehouse. Construction will begin in Fiscal Year 2009.

**Justification:**
This satellite facility will place maintenance crews close to the water assets that they maintain, thereby increasing operational efficiency.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 1,409.4 | 2,592.0 | 3,508.0 | **6,100.0** | - | - | - | - | **6,100.0** | - | **7,509.4** |
| Tucson Water Revenue and Operations Fund | 91.4 | - | - | **-** | - | - | - | - | **-** | - | **91.4** |
| **Total** | 1,500.8 | 2,592.0 | 3,508.0 | **6,100.0** | - | - | - | - | **6,100.0** | - | **7,600.8** |

# Tucson Water - Potable General Plant

($000)

## Facility Improvements - General

**Project ID:** WG99
**Start Date:** 7/13
**End Date:** 6/17
**Location:** City and County

**Description:**
Budget capacity for anticipated, but not yet specifically identified projects. Projects will be determined as part of Tucson Water's ongoing capital planning process, which takes a comprehensive look at system needs.

**Justification:**
Identified projects will provide needed safety improvements and reduce costs by improving efficiency at existing facilities.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | - | **-** | 1,250.0 | **1,250.0** |
| **Total** | - | - | - | **-** | - | - | - | - | **-** | 1,250.0 | **1,250.0** |

## Facility Safety and Security Infrastructure

**Project ID:** W381
**Start Date:** 9/01
**End Date:** 6/13
**Location:** City and County

**Description:**
Implement an enterprise-wide security system for Tucson Water. This project will include ongoing security analysis, acquisition and installation of security system hardware and software, building modifications, and remodeling work.

**Justification:**
This project will cover the security of approximately 794 parcels owned by Tucson Water and will protect city personnel and public health.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Water Revenue Bond Funds | 709.4 | - | - | **-** | - | - | - | - | **-** | - | **709.4** |
| 2005 Water Revenue Bond Funds | 652.2 | - | 567.0 | **567.0** | - | - | - | - | **567.0** | - | **1,219.2** |
| Future Water Revenue Bonds | - | - | - | **-** | 1,148.0 | 1,167.0 | 390.0 | 420.0 | **3,125.0** | - | **3,125.0** |
| Tucson Water Revenue and Operations Fund | 124.8 | - | - | **-** | - | - | 1,000.0 | 1,000.0 | **2,000.0** | - | **2,124.8** |
| **Total** | 1,486.4 | - | 567.0 | **567.0** | 1,148.0 | 1,167.0 | 1,390.0 | 1,420.0 | **5,692.0** | - | **7,178.4** |

# Tucson Water - Potable General Plant

($000)

## La Entrada HVAC Replacement

**Project ID:** W468
**Start Date:** 7/04
**End Date:** 6/09
**Location:** Ward 1

**Description:**
Replace existing HVAC (heating, ventilation, and cooling) rooftop units at the La Entrada facility located at 310 W. Alameda. The new units will be powered by natural gas heating start-up equipment. This project also includes new energy management control system with digital controls.

**Justification:**
The HVAC system at La Entrada is over twenty years old and has reached the end of its useful life. Parts and equipment are becoming difficult to locate.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 150.1 | 403.0 | 975.0 | **1,378.0** | - | - | - | - | **1,378.0** | - | **1,528.1** |
| Tucson Water Revenue and Operations Fund | 155.9 | - | - | **-** | - | - | - | - | **-** | - | **155.9** |
| **Total** | 306.0 | 403.0 | 975.0 | **1,378.0** | - | - | - | - | **1,378.0** | - | **1,684.0** |

## Meter Upgrade and Replacement Program

**Project ID:** W435
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Upgrade and install replacement meters system-wide on an annual basis.

**Justification:**
Tucson Water has more than 30,000 meters over 20-years-old. Older meters become inefficient and tend to under-read water usage.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 460.0 | **460.0** | - | - | - | - | **460.0** | - | **460.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 1,140.0 | 1,000.0 | 478.0 | 300.0 | **2,918.0** | 3,000.0 | **5,918.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 400.0 | 300.0 | **700.0** | - | **700.0** |
| Water Infrastructure Reserve Fund | - | - | 1,000.0 | **1,000.0** | - | - | - | - | **1,000.0** | - | **1,000.0** |
| **Total** | - | - | 1,460.0 | **1,460.0** | 1,140.0 | 1,000.0 | 878.0 | 600.0 | **5,078.0** | 3,000.0 | **8,078.0** |

# Tucson Water - Potable General Plant

($000)

## Miscellaneous Land and Right-of-Way Acquisitions

**Project ID:** W126
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Budget capacity for preliminary real estate services necessary prior to determining the feasibility of a well, booster station, reservoir, or pipeline project. Services include the determination and acquisition of available right-of-way, easements, or real property.

**Justification:**
This project saves public money by determining the suitability of particular sites or routes prior to investing money in place-based design.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | 10.0 | **10.0** | 10.0 | 10.0 | 10.0 | 10.0 | **50.0** | 50.0 | **100.0** |
| **Total** | - | - | 10.0 | **10.0** | 10.0 | 10.0 | 10.0 | 10.0 | **50.0** | 50.0 | **100.0** |

## Monitoring Equipment Grant

**Project ID:** W650
**Start Date:** 7/07
**End Date:** 6/10
**Location:** City and County

**Description:**
Purchase and install continuous online monitoring equipment at the Environmental Monitoring for Public Access and Community Tracking (EMPACT) monitoring stations and other locations within the potable distribution systems. Installation will be complete in Fiscal Year 2010.

**Justification:**
The monitoring equipment will ensure high quality water by measuring and determining chemical and microbiological contaminants in real time, using security platforms.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Fund: Federal Grants | - | - | 180.4 | **180.4** | 70.0 | - | - | - | **250.4** | - | **250.4** |
| Tucson Water Fund: State Grants | 215.1 | - | - | **-** | - | - | - | - | **-** | - | **215.1** |
| Tucson Water Revenue and Operations Fund | 34.9 | - | 69.6 | **69.6** | - | - | - | - | **69.6** | - | **104.5** |
| **Total** | 250.0 | - | 250.0 | **250.0** | 70.0 | - | - | - | **320.0** | - | **570.0** |

# Tucson Water - Potable General Plant

($000)

## Plant #1 Relocation Assessment

**Project ID:** W721
**Start Date:** 7/08
**End Date:** 6/09
**Location:** To be determined

**Description:**
Plan and relocate the department's Plant #1 due to the Rio Nuevo Comprehensive Downtown Revitalization Plan.

**Justification:**
This project will assess the options and determine the best process for the relocation of Plant #1.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | 200.0 | **200.0** | - | - | - | - | **200.0** | - | **200.0** |
| **Total** | - | - | 200.0 | **200.0** | - | - | - | - | **200.0** | - | **200.0** |

## Responsive Meter Replacement

**Project ID:** W716
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Budget capacity to replace meters not included in the on-going residential meter replacement program.

**Justification:**
Increase efficiency and revenues by replacing meters that under read or fail to read consumption properly.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 250.0 | **250.0** | - | - | - | - | **250.0** | - | **250.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 250.0 | 250.0 | 50.0 | 50.0 | **600.0** | 1,000.0 | **1,600.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 200.0 | 200.0 | **400.0** | 250.0 | **650.0** |
| **Total** | - | - | 250.0 | **250.0** | 250.0 | 250.0 | 250.0 | 250.0 | **1,250.0** | 1,250.0 | **2,500.0** |

# Tucson Water - Potable General Plant

($000)

## Source Meter Replacement

**Project ID:** W715

**Start Date:** 7/08
**End Date:** 6/10

**Location:** Citywide

**Description:**
Install new magnetic meters at the well heads to improve the accounting of how much potable water is produced.

**Justification:**
This project will assist in determining the amount of real versus apparent losses of water.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 635.0 | **635.0** | - | - | - | - | **635.0** | - | **635.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 685.0 | - | - | - | **685.0** | - | **685.0** |
| Tucson Water Revenue and Operations Fund | - | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | **50.0** |
| **Total** | - | - | 685.0 | **685.0** | 685.0 | - | - | - | **1,370.0** | - | **1,370.0** |

# Tucson Water - Potable Treatment

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Clearwater Chemical Feed System Upgrades** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | - | - | - | - | 200.0 | **200.0** | 200.0 | 400.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | - | - | - | - | 800.0 | **800.0** | 800.0 | 1,600.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **1,000.0** | **1,000.0** | **1,000.0** | **2,000.0** |
| **Treatment Improvements - General** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | - | - | - | - | - | **-** | 1,000.0 | 1,000.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **1,000.0** | **1,000.0** |
| **Program Area Total** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **1,000.0** | **1,000.0** | **2,000.0** | **3,000.0** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Future Water Revenue Bonds | - | - | - | - | - | - | - | 200.0 | **200.0** | 1,200.0 | 1,400.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | - | - | - | - | 800.0 | **800.0** | 800.0 | 1,600.0 |
| **Program Area Total** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **1,000.0** | **1,000.0** | **2,000.0** | **3,000.0** |

# Tucson Water - Potable Treatment

($000)

## Clearwater Chemical Feed System Upgrades

**Project ID:** W577
**Start Date:** 7/12
**End Date:** 6/14
**Location:** County

**Description:**
Provide and install chemical metering pumps and chemical storage tanks at the Hayden-Udall plant.

**Justification:**
This project is necessary to accomodate the increased flow of water to Hayden-Udall. As more SAVSARP (Southern Avra Valley Storage and Recovery Project) water is introduced into the system, chemical feed upgrades will be necessary.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | 200.0 | **200.0** | 200.0 | **400.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | 800.0 | **800.0** | 800.0 | **1,600.0** |
| **Total** | - | - | - | **-** | - | - | - | 1,000.0 | **1,000.0** | 1,000.0 | **2,000.0** |

## Treatment Improvements - General

**Project ID:** WH99
**Start Date:** 7/14
**End Date:** 6/18
**Location:** City and County

**Description:**
Budget capacity for anticipated, but not yet specifically identified, projects. Projects will be determined as part of Tucson Water's ongoing capital planning process, which takes a comprehensive look at system needs.

**Justification:**
This project is needed to provide budget capacity for the water quality enhancements of source waters to both regulatory requirements and the community's expectations for the potable water system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | - | - | **-** | 1,000.0 | **1,000.0** |
| **Total** | - | - | - | **-** | - | - | - | - | **-** | 1,000.0 | **1,000.0** |

# Tucson Water - Potable Process Control

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Arc Flash Service Upgrades** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 3,000.0 | **3,000.0** | - | - | - | - | **3,000.0** | - | 3,000.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 1,800.0 | 1,000.0 | - | - | **2,800.0** | - | 2,800.0 |
| Tucson Water Revenue and Operations Fund | 500.0 | - | - | **-** | - | - | 50.0 | 50.0 | **100.0** | - | 600.0 |
| | **500.0** | **-** | **3,000.0** | **3,000.0** | **1,800.0** | **1,000.0** | **50.0** | **50.0** | **5,900.0** | **-** | **6,400.0** |
| **Control Panel Replacements: Potable** | | | | | | | | | | | |
| 1984 Water Revenue Bond Funds | 0.2 | - | - | **-** | - | - | - | - | **-** | - | 0.2 |
| 1994 Water Revenue Bond Funds | 92.8 | - | - | **-** | - | - | - | - | **-** | - | 92.8 |
| 2000 Water Revenue Bond Funds | 252.9 | - | - | **-** | - | - | - | - | **-** | - | 252.9 |
| 2005 Water Revenue Bond Funds | 1,129.3 | 100.0 | 250.0 | **350.0** | - | - | - | - | **350.0** | - | 1,479.3 |
| Future Water Revenue Bonds | - | - | - | **-** | 250.0 | - | - | - | **250.0** | - | 250.0 |
| Tucson Water Revenue and Operations Fund | 1,036.8 | - | - | **-** | - | - | - | - | **-** | - | 1,036.8 |
| | **2,512.0** | **100.0** | **250.0** | **350.0** | **250.0** | **-** | **-** | **-** | **600.0** | **-** | **3,112.0** |
| **Process Control Projects - Future** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | 1,000.0 | - | - | - | **1,000.0** | 2,000.0 | 3,000.0 |
| | **-** | **-** | **-** | **-** | **1,000.0** | **-** | **-** | **-** | **1,000.0** | **2,000.0** | **3,000.0** |

# Tucson Water - Potable Process Control

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Remote Control System Upgrades** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 1,038.6 | 50.0 | 500.0 | **550.0** | - | - | - | - | **550.0** | - | 1,588.6 |
| Future Water Revenue Bonds | - | - | - | **-** | 500.0 | 500.0 | 50.0 | 50.0 | **1,100.0** | 1,000.0 | 2,100.0 |
| Tucson Water Revenue and Operations Fund | 136.4 | - | - | **-** | - | - | 450.0 | 450.0 | **900.0** | 1,500.0 | 2,536.4 |
| | **1,175.0** | **50.0** | **500.0** | **550.0** | **500.0** | **500.0** | **500.0** | **500.0** | **2,550.0** | **2,500.0** | **6,225.0** |
| **Program Area Total** | **4,187.0** | **150.0** | **3,750.0** | **3,900.0** | **3,550.0** | **1,500.0** | **550.0** | **550.0** | **10,050.0** | **4,500.0** | **18,737.0** |
| **Source of Funds Summary** | | | | | | | | | | | |
| 1984 Water Revenue Bond Funds | 0.2 | - | - | **-** | - | - | - | - | **-** | - | 0.2 |
| 1994 Water Revenue Bond Funds | 92.8 | - | - | **-** | - | - | - | - | **-** | - | 92.8 |
| 2000 Water Revenue Bond Funds | 252.9 | - | - | **-** | - | - | - | - | **-** | - | 252.9 |
| 2005 Water Revenue Bond Funds | 2,167.9 | 150.0 | 3,750.0 | **3,900.0** | - | - | - | - | **3,900.0** | - | 6,067.9 |
| Future Water Revenue Bonds | - | - | - | **-** | 2,550.0 | 1,500.0 | 50.0 | 50.0 | **4,150.0** | 1,000.0 | 5,150.0 |
| Tucson Water Revenue and Operations Fund | 1,673.2 | - | - | **-** | 1,000.0 | - | 500.0 | 500.0 | **2,000.0** | 3,500.0 | 7,173.2 |
| **Program Area Total** | **4,187.0** | **150.0** | **3,750.0** | **3,900.0** | **3,550.0** | **1,500.0** | **550.0** | **550.0** | **10,050.0** | **4,500.0** | **18,737.0** |

# Tucson Water - Potable Process Control

($000)

## Arc Flash Service Upgrades

**Project ID:** W668
**Start Date:** 7/07
**End Date:** 6/13
**Location:** City and County

**Description:**
Purchase and install on-site power interrupt switches, new label plates warning of potential arc flash hazard, and new protective equipment for all personnel that visit a site. Approximately 200 remote sites will require electrical panel installs or upgrades at an estimated cost of $36,000 per site.

**Justification:**
New electrical safety regulations require that all non-occupied department sites containing electrical breakers or switchgear be brought into compliance.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 3,000.0 | **3,000.0** | - | - | - | - | **3,000.0** | - | **3,000.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 1,800.0 | 1,000.0 | - | - | **2,800.0** | - | **2,800.0** |
| Tucson Water Revenue and Operations Fund | 500.0 | - | - | **-** | - | - | 50.0 | 50.0 | **100.0** | - | **600.0** |
| **Total** | 500.0 | - | 3,000.0 | **3,000.0** | 1,800.0 | 1,000.0 | 50.0 | 50.0 | **5,900.0** | - | **6,400.0** |

## Control Panel Replacements: Potable

**Project ID:** W045
**Start Date:** 7/97
**End Date:** 6/10
**Location:** City and County

**Description:**
Install new control panels and dependent electronic equipment used at existing production facilities such as wells, boosters, reservoirs, and pressure reducing valve facilities.

**Justification:**
The existing control panels are approaching 20 years of service and need to be replaced to ensure system reliability.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 1984 Water Revenue Bond Funds | 0.2 | - | - | **-** | - | - | - | - | **-** | - | **0.2** |
| 1994 Water Revenue Bond Funds | 92.8 | - | - | **-** | - | - | - | - | **-** | - | **92.8** |
| 2000 Water Revenue Bond Funds | 252.9 | - | - | **-** | - | - | - | - | **-** | - | **252.9** |
| 2005 Water Revenue Bond Funds | 1,129.3 | 100.0 | 250.0 | **350.0** | - | - | - | - | **350.0** | - | **1,479.3** |
| Future Water Revenue Bonds | - | - | - | **-** | 250.0 | - | - | - | **250.0** | - | **250.0** |
| Tucson Water Revenue and Operations Fund | 1,036.8 | - | - | **-** | - | - | - | - | **-** | - | **1,036.8** |
| **Total** | 2,512.0 | 100.0 | 250.0 | **350.0** | 250.0 | - | - | - | **600.0** | - | **3,112.0** |

# Tucson Water - Potable Process Control

($000)

## Process Control Projects - Future

**Project ID:** WJ99
**Start Date:** 7/09
**End Date:** 6/14
**Location:** City and County

**Description:**
Budget capacity for anticipated, but not yet specifically identified projects. Projects will be determined as part of Tucson Water's ongoing capital planning process, which takes a comprehensive look at system needs. The gap in funding for this project is necessitated by the need to accommodate the Southern Avra Valley Storage and Recovery Project.

**Justification:**
The Data Logging and Real Time Control System provides continuous logging and control of all functions necessary to properly operate the water system. Ongoing improvements to the system are needed to keep it functioning properly and ensure system reliability.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | 1,000.0 | - | - | - | **1,000.0** | 2,000.0 | **3,000.0** |
| **Total** | - | - | - | **-** | 1,000.0 | - | - | - | **1,000.0** | 2,000.0 | **3,000.0** |

## Remote Control System Upgrades

**Project ID:** W521
**Start Date:** 7/05
**End Date:** 6/17
**Location:** City and County

**Description:**
Upgrade remote site control systems to bring the sites into compliance with Tucson Water's Remote Site Instrumentation and Control Standards.

**Justification:**
Currently, 200 remote control systems are installed to operate various boosters, reservoirs, and well sites. The manufacturer no longer services this equipment, and it needs to be replaced to ensure efficient system operation.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 1,038.6 | 50.0 | 500.0 | **550.0** | - | - | - | - | **550.0** | - | **1,588.6** |
| Future Water Revenue Bonds | - | - | - | **-** | 500.0 | 500.0 | 50.0 | 50.0 | **1,100.0** | 1,000.0 | **2,100.0** |
| Tucson Water Revenue and Operations Fund | 136.4 | - | - | **-** | - | - | 450.0 | 450.0 | **900.0** | 1,500.0 | **2,536.4** |
| **Total** | 1,175.0 | 50.0 | 500.0 | **550.0** | 500.0 | 500.0 | 500.0 | 500.0 | **2,550.0** | 2,500.0 | **6,225.0** |

# Tucson Water - Capitalized Expense

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Capitalized Expense** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | 6,000.0 | **6,000.0** | 6,000.0 | 6,000.0 | 6,000.0 | 6,000.0 | **30,000.0** | 30,000.0 | 60,000.0 |
| | **-** | **-** | **6,000.0** | **6,000.0** | **6,000.0** | **6,000.0** | **6,000.0** | **6,000.0** | **30,000.0** | **30,000.0** | **60,000.0** |
| **Program Area Total** | **-** | **-** | **6,000.0** | **6,000.0** | **6,000.0** | **6,000.0** | **6,000.0** | **6,000.0** | **30,000.0** | **30,000.0** | **60,000.0** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tucson Water Revenue and Operations Fund | - | - | 6,000.0 | **6,000.0** | 6,000.0 | 6,000.0 | 6,000.0 | 6,000.0 | **30,000.0** | 30,000.0 | 60,000.0 |
| **Program Area Total** | **-** | **-** | **6,000.0** | **6,000.0** | **6,000.0** | **6,000.0** | **6,000.0** | **6,000.0** | **30,000.0** | **30,000.0** | **60,000.0** |

# Tucson Water - Capitalized Expense

($000)

## Capitalized Expense

**Project ID:** W129
**Start Date:** Annual
**End Date:** Annual
**Location:** Citywide

**Description:**
Budget capacity for capitalizing Tucson Water's administrative overhead expenses that are associated with implementing capital projects, but not directly identifiable with specific projects. An indirect cost formula has been developed by the Finance Department and Tucson Water for the allocation of these indirect expenses.

**Justification:**
The capital portion of the utility's administrative overhead costs must be capitalized as a depreciable asset.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | 6,000.0 | **6,000.0** | 6,000.0 | 6,000.0 | 6,000.0 | 6,000.0 | **30,000.0** | 30,000.0 | **60,000.0** |
| **Total** | - | - | 6,000.0 | **6,000.0** | 6,000.0 | 6,000.0 | 6,000.0 | 6,000.0 | **30,000.0** | 30,000.0 | **60,000.0** |

# Tucson Water - Reclaimed Water System

## Five-Year Capital Improvement Program

**($000)**

| Program Area | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| Tucson Water - Reclaimed Source Development | 2,024.4 | 201.0 | 680.0 | **881.0** | 838.0 | 950.0 | 950.0 | 5,000.0 | **8,619.0** | - | **10,643.4** |
| Tucson Water - Reclaimed Storage | - | - | - | **-** | 1,250.0 | 1,100.0 | 3,350.0 | 12,000.0 | **17,700.0** | 10,750.0 | **28,450.0** |
| Tucson Water - Reclaimed Pumping Plant | 616.3 | - | 2,123.0 | **2,123.0** | 260.0 | 850.0 | 2,625.0 | 2,725.0 | **8,583.0** | 4,525.0 | **13,724.3** |
| Tucson Water - Reclaimed Transmission | 40.0 | - | 594.0 | **594.0** | 50.0 | 115.0 | 650.0 | 225.0 | **1,634.0** | 3,000.0 | **4,674.0** |
| Tucson Water - Reclaimed Distribution | - | 84.0 | 120.0 | **204.0** | 120.0 | 120.0 | 120.0 | 120.0 | **684.0** | 800.0 | **1,484.0** |
| Tucson Water - Reclaimed New Services | - | - | 50.0 | **50.0** | 50.0 | 50.0 | 50.0 | 50.0 | **250.0** | 250.0 | **500.0** |
| Tucson Water - Reclaimed Treatment | 935.6 | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | **985.6** |
| Tucson Water - Reclaimed Process Control | - | 40.0 | 100.0 | **140.0** | 100.0 | 100.0 | 100.0 | 250.0 | **690.0** | 3,500.0 | **4,190.0** |
| **Program Total** | **3,616.3** | **325.0** | **3,717.0** | **4,042.0** | **2,668.0** | **3,285.0** | **7,845.0** | **20,370.0** | **38,210.0** | **22,825.0** | **64,651.3** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1994 Water Revenue Bond Funds | 0.8 | - | - | **-** | - | - | - | - | **-** | - | 0.8 |
| 2000 Water Revenue Bond Funds | 1,509.6 | - | - | **-** | - | - | - | - | **-** | - | 1,509.6 |
| 2005 Water Revenue Bond Funds | 1,214.7 | 325.0 | 3,472.0 | **3,797.0** | - | - | - | - | **3,797.0** | - | 5,011.7 |
| Future Water Revenue Bonds | - | - | - | **-** | 2,548.0 | 3,065.0 | 3,091.0 | 9,316.0 | **18,020.0** | 18,250.0 | 36,270.0 |
| Tucson Water Revenue and Operations Fund | 891.2 | - | 245.0 | **245.0** | 120.0 | 220.0 | 4,754.0 | 11,054.0 | **16,393.0** | 4,575.0 | 21,859.2 |
| **Program Total** | **3,616.3** | **325.0** | **3,717.0** | **4,042.0** | **2,668.0** | **3,285.0** | **7,845.0** | **20,370.0** | **38,210.0** | **22,825.0** | **64,651.3** |

# Tucson Water - Reclaimed Source Development

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Equip Reclaimed Well EW-008** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 425.0 | **425.0** | - | - | - | - | **425.0** | - | 425.0 |
| Tucson Water Revenue and Operations Fund | - | - | 75.0 | **75.0** | - | - | - | - | **75.0** | - | 75.0 |
| | **-** | **-** | **500.0** | **500.0** | **-** | **-** | **-** | **-** | **500.0** | **-** | **500.0** |
| **Equip Reclaimed Wells EW-009 & EW-010** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | 50.0 | 950.0 | - | - | **1,000.0** | - | 1,000.0 |
| | **-** | **-** | **-** | **-** | **50.0** | **950.0** | **-** | **-** | **1,000.0** | **-** | **1,000.0** |
| **Reclaimed Extraction Well Drilling** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | 788.0 | - | - | - | **788.0** | - | 788.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 450.0 | - | **450.0** | - | 450.0 |
| | **-** | **-** | **-** | **-** | **788.0** | **-** | **450.0** | **-** | **1,238.0** | **-** | **1,238.0** |
| **Reclaimed Storage and Recovery** | | | | | | | | | | | |
| 1994 Water Revenue Bond Funds | 0.8 | - | - | **-** | - | - | - | - | **-** | - | 0.8 |
| 2000 Water Revenue Bond Funds | 986.5 | - | - | **-** | - | - | - | - | **-** | - | 986.5 |
| 2005 Water Revenue Bond Funds | 89.0 | - | - | **-** | - | - | - | - | **-** | - | 89.0 |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | 200.0 | 3,000.0 | **3,200.0** | - | 3,200.0 |
| Tucson Water Revenue and Operations Fund | 105.7 | - | - | **-** | - | - | 300.0 | 2,000.0 | **2,300.0** | - | 2,405.7 |
| | **1,182.0** | **-** | **-** | **-** | **-** | **-** | **500.0** | **5,000.0** | **5,500.0** | **-** | **6,682.0** |
| **Sweetwater Wetlands Lining Project** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 180.0 | **180.0** | - | - | - | - | **180.0** | - | 180.0 |
| Tucson Water Revenue and Operations Fund | 150.0 | - | - | **-** | - | - | - | - | **-** | - | 150.0 |
| | **150.0** | **-** | **180.0** | **180.0** | **-** | **-** | **-** | **-** | **180.0** | **-** | **330.0** |

# Tucson Water - Reclaimed Source Development

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Sweetwater Wetlands Recharge Facility Upgrades** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 13.8 | - | - | **-** | - | - | - | - | **-** | - | 13.8 |
| 2005 Water Revenue Bond Funds | 575.3 | 201.0 | - | **201.0** | - | - | - | - | **201.0** | - | 776.3 |
| Tucson Water Revenue and Operations Fund | 103.3 | - | - | **-** | - | - | - | - | **-** | - | 103.3 |
| | **692.4** | **201.0** | **-** | **201.0** | **-** | **-** | **-** | **-** | **201.0** | **-** | **893.4** |
| **Program Area Total** | **2,024.4** | **201.0** | **680.0** | **881.0** | **838.0** | **950.0** | **950.0** | **5,000.0** | **8,619.0** | **-** | **10,643.4** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1994 Water Revenue Bond Funds | 0.8 | - | - | **-** | - | - | - | - | **-** | - | 0.8 |
| 2000 Water Revenue Bond Funds | 1,000.3 | - | - | **-** | - | - | - | - | **-** | - | 1,000.3 |
| 2005 Water Revenue Bond Funds | 664.3 | 201.0 | 605.0 | **806.0** | - | - | - | - | **806.0** | - | 1,470.3 |
| Future Water Revenue Bonds | - | - | - | **-** | 838.0 | 950.0 | 200.0 | 3,000.0 | **4,988.0** | - | 4,988.0 |
| Tucson Water Revenue and Operations Fund | 359.0 | - | 75.0 | **75.0** | - | - | 750.0 | 2,000.0 | **2,825.0** | - | 3,184.0 |
| **Program Area Total** | **2,024.4** | **201.0** | **680.0** | **881.0** | **838.0** | **950.0** | **950.0** | **5,000.0** | **8,619.0** | **-** | **10,643.4** |

# Tucson Water - Reclaimed Source Development

($000)

## Equip Reclaimed Well EW-008

**Project ID:** W669
**Start Date:** 7/08
**End Date:** 6/09
**Location:** City and County

**Description:**
Install pumping control equipment and discharge piping to well EW-008.

**Justification:**
This project will recover recharged reclaimed water and increase the capacity of the reclaimed system to meet existing customer demand.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| 2005 Water Revenue Bond Funds | - | - | 425.0 | **425.0** | - | - | - | - | **425.0** | - | **425.0** |
| Tucson Water Revenue and Operations Fund | - | - | 75.0 | **75.0** | - | - | - | - | **75.0** | - | **75.0** |
| **Total** | - | - | 500.0 | **500.0** | - | - | - | - | **500.0** | - | **500.0** |

## Equip Reclaimed Wells EW-009 & EW-010

**Project ID:** W700
**Start Date:** 7/09
**End Date:** 6/11
**Location:** City and County

**Description:**
Install pumping control equipment and discharge piping to two new wells.

**Justification:**
This project will recover recharged effluent water and increase the capacity of the reclaimed system to serve new customers.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| Future Water Revenue Bonds | - | - | - | **-** | 50.0 | 950.0 | - | - | **1,000.0** | - | **1,000.0** |
| **Total** | - | - | - | **-** | 50.0 | 950.0 | - | - | **1,000.0** | - | **1,000.0** |

# Tucson Water - Reclaimed Source Development

($000)

## Reclaimed Extraction Well Drilling

**Project ID:** W702
**Start Date:** 7/09
**End Date:** 6/12
**Location:** City and County

**Description:**
Drill three reclaimed extraction wells. Two wells will be drilled in Fiscal Year 2010 and one in Fiscal Year 2012.

**Justification:**
The wells are necessary to recover water to meet projected demand.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Future Water Revenue Bonds | - | - | - | **-** | 788.0 | - | - | - | **788.0** | - | **788.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 450.0 | - | **450.0** | - | **450.0** |
| **Total** | - | - | - | **-** | 788.0 | - | 450.0 | - | **1,238.0** | - | **1,238.0** |

## Reclaimed Storage and Recovery

**Project ID:** W289
**Start Date:** 7/01
**End Date:** 6/13
**Location:** Ward 1

**Description:**
Design and construct three off-channel recharge basins and two new recovery wells at the Sweetwater Recharge Facilities.

**Justification:**
The facility expansion will increase the effluent recharge and recovery capabilities of the Sweetwater Recharge Facilities from 10,000 acre-feet per year to 13,000 acre-feet per year.

| Source of Funds: | Prior Year(s) | Adopted Fiscal Year 2009 Carry Forward | New Funding | Year 1 Total | Approved Year 2 FY 2010 | Projected Requirements Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1994 Water Revenue Bond Funds | 0.8 | - | - | **-** | - | - | - | - | **-** | - | **0.8** |
| 2000 Water Revenue Bond Funds | 986.5 | - | - | **-** | - | - | - | - | **-** | - | **986.5** |
| 2005 Water Revenue Bond Funds | 89.0 | - | - | **-** | - | - | - | - | **-** | - | **89.0** |
| Future Water Revenue Bonds | - | - | - | **-** | - | - | 200.0 | 3,000.0 | **3,200.0** | - | **3,200.0** |
| Tucson Water Revenue and Operations Fund | 105.7 | - | - | **-** | - | - | 300.0 | 2,000.0 | **2,300.0** | - | **2,405.7** |
| **Total** | 1,182.0 | - | - | **-** | - | - | 500.0 | 5,000.0 | **5,500.0** | - | **6,682.0** |

# Tucson Water - Reclaimed Source Development

($000)

## Sweetwater Wetlands Lining Project

**Project ID:** W714
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 1

**Description:**
Install and line portions of the Sweetwater Wetlands, which will remove excess bulrush and cattails.

**Justification:**
Vegetation at the wetlands has created a mosquito breeding habitat that is beyond the reach of normally effective pesticides. Lining portions of the wetlands is intended to reduce the mosquito population.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 180.0 | **180.0** | - | - | - | - | **180.0** | - | **180.0** |
| Tucson Water Revenue and Operations Fund | 150.0 | - | - | **-** | - | - | - | - | **-** | - | **150.0** |
| **Total** | 150.0 | - | 180.0 | **180.0** | - | - | - | - | **180.0** | - | **330.0** |

## Sweetwater Wetlands Recharge Facility Upgrades

**Project ID:** W493
**Start Date:** 7/05
**End Date:** 2/09
**Location:** Ward 1

**Description:**
Design and construct improvements, which will include the refurbishment of existing secondary effluent pumps, installation of additional motor-operated valves, and increases to the berm height in selected basins.

**Justification:**
These improvements will result in increased reclaimed water production capacity.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Water Revenue Bond Funds | 13.8 | - | - | **-** | - | - | - | - | **-** | - | **13.8** |
| 2005 Water Revenue Bond Funds | 575.3 | 201.0 | - | **201.0** | - | - | - | - | **201.0** | - | **776.3** |
| Tucson Water Revenue and Operations Fund | 103.3 | - | - | **-** | - | - | - | - | **-** | - | **103.3** |
| **Total** | 692.4 | 201.0 | - | **201.0** | - | - | - | - | **201.0** | - | **893.4** |

# Tucson Water - Reclaimed Storage

## Five-Year Capital Improvement Program

**($000)**

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Dove Mountain Reclaimed Reservoir** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | - | 1,250.0 | 100.0 | - | 2,500.0 | **3,850.0** | - | 3,850.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | - | - | - | 350.0 | 3,500.0 | **3,850.0** | - | 3,850.0 |
| | **-** | **-** | **-** | **-** | **1,250.0** | **100.0** | **350.0** | **6,000.0** | **7,700.0** | **-** | **7,700.0** |
| **Reclaimed Storage Projects - General** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | - | - | - | - | - | - | **-** | 750.0 | 750.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **750.0** | **750.0** |
| **Regional Reclaimed Facility: Ina Road Reservoir** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | - | - | 1,000.0 | 1,500.0 | 2,500.0 | **5,000.0** | 10,000.0 | 15,000.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | - | - | - | 1,500.0 | 3,500.0 | **5,000.0** | - | 5,000.0 |
| | **-** | **-** | **-** | **-** | **-** | **1,000.0** | **3,000.0** | **6,000.0** | **10,000.0** | **10,000.0** | **20,000.0** |
| **Program Area Total** | **-** | **-** | **-** | **-** | **1,250.0** | **1,100.0** | **3,350.0** | **12,000.0** | **17,700.0** | **10,750.0** | **28,450.0** |

| **Source of Funds Summary** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Future Water Revenue Bonds | - | - | - | - | 1,250.0 | 1,100.0 | 1,500.0 | 5,000.0 | **8,850.0** | 10,000.0 | 18,850.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | - | - | - | 1,850.0 | 7,000.0 | **8,850.0** | 750.0 | 9,600.0 |
| **Program Area Total** | **-** | **-** | **-** | **-** | **1,250.0** | **1,100.0** | **3,350.0** | **12,000.0** | **17,700.0** | **10,750.0** | **28,450.0** |

# Tucson Water - Reclaimed Storage

($000)

## Dove Mountain Reclaimed Reservoir

**Project ID:** W704
**Start Date:** 7/09
**End Date:** 6/13
**Location:** City and County

**Description:**
Design and construct a six million gallon reclaimed reservoir. Purchase of a site is scheduled in Fiscal Year 2010. Design will be completed in Fiscal Year 2012 with construction in Fiscal Year 2013.

**Justification:**
Construction of this reservoir is necessary for Tucson Water to meet contractual obligations to provide reclaimed water to five Dove Mountain area golf courses.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | 1,250.0 | 100.0 | - | 2,500.0 | **3,850.0** | - | **3,850.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 350.0 | 3,500.0 | **3,850.0** | - | **3,850.0** |
| **Total** | - | - | - | **-** | 1,250.0 | 100.0 | 350.0 | 6,000.0 | **7,700.0** | - | **7,700.0** |

## Reclaimed Storage Projects - General

**Project ID:** WL99
**Start Date:** 7/05
**End Date:** 6/18
**Location:** City and County

**Description:**
Budget capacity for emergency and anticipated, but not yet specifically identified, projects. Projects will be determined as part of Tucson Water's ongoing capital planning process, which takes a comprehensive look at system needs. The gap in funding for this project is necessitated by the need to accelerate the Southern Avra Valley Storage and Recovery Project, which will allow the city to use all of its Colorado River water allocation by 2012.

**Justification:**
These projects ensure that the system can meet peak requirements during the summer months.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | - | **-** | 750.0 | **750.0** |
| **Total** | - | - | - | **-** | - | - | - | - | **-** | 750.0 | **750.0** |

# Tucson Water - Reclaimed Storage

($000)

## Regional Reclaimed Facility: Ina Road Reservoir

**Project ID:** W606

**Start Date:** 7/10

**End Date:** 6/14

**Location:** County

**Description:**
Design and construct a five million gallon reservoir, a chlorine tank, and chemical storage facilities adjacent to Pima County's Ina Road Wastewater Treatment Plant. This project will be designed in Fiscal Year 2011; construction will be completed in Fiscal Year 2014.

**Justification:**
This project will allow Tucson Water to deliver reclaimed water from the Ina Road location to reclaimed customers.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 1,000.0 | 1,500.0 | 2,500.0 | **5,000.0** | 10,000.0 | **15,000.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 1,500.0 | 3,500.0 | **5,000.0** | - | **5,000.0** |
| **Total** | - | - | - | **-** | - | 1,000.0 | 3,000.0 | 6,000.0 | **10,000.0** | 10,000.0 | **20,000.0** |

# Tucson Water - Reclaimed Pumping Plant

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Reclaimed Pumping Plant Projects - General** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | - | **-** | 275.0 | 275.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **275.0** | **275.0** |
| **Regional Reclaimed Facility: Ina Road Booster** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | 250.0 | 750.0 | 750.0 | **1,750.0** | 2,250.0 | 4,000.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 875.0 | 875.0 | **1,750.0** | - | 1,750.0 |
| | **-** | **-** | **-** | **-** | **-** | **250.0** | **1,625.0** | **1,625.0** | **3,500.0** | **2,250.0** | **5,750.0** |
| **Regional Reclaimed Facility: Ina Road Pumping** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 100.0 | **100.0** | - | - | - | - | **100.0** | - | 100.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 100.0 | 400.0 | 100.0 | 200.0 | **800.0** | 1,000.0 | 1,800.0 |
| Tucson Water Revenue and Operations Fund | 50.0 | - | - | **-** | - | 100.0 | 400.0 | 400.0 | **900.0** | - | 950.0 |
| | **50.0** | **-** | **100.0** | **100.0** | **100.0** | **500.0** | **500.0** | **600.0** | **1,800.0** | **1,000.0** | **2,850.0** |
| **Regional Reclaimed Facility: Roger Road Pumping** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | 50.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 100.0 | 100.0 | 250.0 | 250.0 | **700.0** | 1,000.0 | 1,700.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 250.0 | 250.0 | **500.0** | - | 500.0 |
| | **-** | **-** | **50.0** | **50.0** | **100.0** | **100.0** | **500.0** | **500.0** | **1,250.0** | **1,000.0** | **2,250.0** |

# Tucson Water - Reclaimed Pumping Plant

## Five-Year Capital Improvement Program

**($000)**

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Roger Road Plant Booster Expansion** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 550.4 | - | 1,973.0 | **1,973.0** | - | - | - | - | **1,973.0** | - | 2,523.4 |
| Future Water Revenue Bonds | - | - | - | **-** | 60.0 | - | - | - | **60.0** | - | 60.0 |
| Tucson Water Revenue and Operations Fund | 15.9 | - | - | **-** | - | - | - | - | **-** | - | 15.9 |
| | **566.3** | **-** | **1,973.0** | **1,973.0** | **60.0** | **-** | **-** | **-** | **2,033.0** | **-** | **2,599.3** |
| **Program Area Total** | **616.3** | **-** | **2,123.0** | **2,123.0** | **260.0** | **850.0** | **2,625.0** | **2,725.0** | **8,583.0** | **4,525.0** | **13,724.3** |
| **Source of Funds Summary** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | 550.4 | - | 2,123.0 | **2,123.0** | - | - | - | - | **2,123.0** | - | 2,673.4 |
| Future Water Revenue Bonds | - | - | - | **-** | 260.0 | 750.0 | 1,100.0 | 1,200.0 | **3,310.0** | 4,250.0 | 7,560.0 |
| Tucson Water Revenue and Operations Fund | 65.9 | - | - | **-** | - | 100.0 | 1,525.0 | 1,525.0 | **3,150.0** | 275.0 | 3,490.9 |
| **Program Area Total** | **616.3** | **-** | **2,123.0** | **2,123.0** | **260.0** | **850.0** | **2,625.0** | **2,725.0** | **8,583.0** | **4,525.0** | **13,724.3** |

# Tucson Water - Reclaimed Pumping Plant

($000)

## Reclaimed Pumping Plant Projects - General

**Project ID:** WM99
**Start Date:** 7/13
**End Date:** 6/14
**Location:** City and County

**Description:**
Budget capacity for anticipated, but not yet specifically identified, projects. Projects will be determined as part of Tucson Water's ongoing capital planning process, which takes a comprehensive look at system needs.

**Justification:**
This project will ensure the future availability of reclaimed water.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | - | **-** | 275.0 | **275.0** |
| **Total** | - | - | - | **-** | - | - | - | - | **-** | 275.0 | **275.0** |

## Regional Reclaimed Facility: Ina Road Booster

**Project ID:** W614
**Start Date:** 7/10
**End Date:** 6/14
**Location:** County

**Description:**
Design and construct booster facilities at the proposed Tucson Water Ina Road Facility, adjacent to Pima County's Ina Road Wastewater Treatment Plant. The booster will be designed to handle 20 million gallons-per-day. Design will begin in Fiscal Year 2011. Construction will be completed in Fiscal Year 2014.

**Justification:**
This project combined with the department's new reclaimed reservoir at Ina Road will allow Tucson Water to accept, treat, and deliver secondary effluent.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 250.0 | 750.0 | 750.0 | **1,750.0** | 2,250.0 | **4,000.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 875.0 | 875.0 | **1,750.0** | - | **1,750.0** |
| **Total** | - | - | - | **-** | - | 250.0 | 1,625.0 | 1,625.0 | **3,500.0** | 2,250.0 | **5,750.0** |

# Tucson Water - Reclaimed Pumping Plant

($000)

## Regional Reclaimed Facility: Ina Road Pumping

**Project ID:** W707
**Start Date:** 7/07
**End Date:** 6/14
**Location:** City and County

**Description:**
Design and construct a wetwell, effluent pumps, and piping at the Ina Road location. The wetwell will be sized to provide 40 million gallons-per-day.

**Justification:**
Pima County is scheduled to transfer a large portion of their wastewater from their Roger Road facility to their Ina Road Facility that will provide secondary effluent to Tucson Water's new Ina Road facility. Tucson Water will need to deliver reclaimed water from the Ina Road location to service the north area of the reclaimed system.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 100.0 | **100.0** | - | - | - | - | **100.0** | - | **100.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 100.0 | 400.0 | 100.0 | 200.0 | **800.0** | 1,000.0 | **1,800.0** |
| Tucson Water Revenue and Operations Fund | 50.0 | - | - | **-** | - | 100.0 | 400.0 | 400.0 | **900.0** | - | **950.0** |
| **Total** | 50.0 | - | 100.0 | **100.0** | 100.0 | 500.0 | 500.0 | 600.0 | **1,800.0** | 1,000.0 | **2,850.0** |

## Regional Reclaimed Facility: Roger Road Pumping

**Project ID:** W708
**Start Date:** 7/08
**End Date:** 6/14
**Location:** Ward 1

**Description:**
Design and construct a wetwell (capture point), effluent pumps, and piping at Pima County's Roger Road Wastewater Treatment Plant.

**Justification:**
The wetwell will be sized to provide a flow of 30 gallons-per-day.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | **50.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 100.0 | 100.0 | 250.0 | 250.0 | **700.0** | 1,000.0 | **1,700.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 250.0 | 250.0 | **500.0** | - | **500.0** |
| **Total** | - | - | 50.0 | **50.0** | 100.0 | 100.0 | 500.0 | 500.0 | **1,250.0** | 1,000.0 | **2,250.0** |

# Tucson Water - Reclaimed Pumping Plant

($000)

## Roger Road Plant Booster Expansion

**Project ID:** W618

**Start Date:** 7/06
**End Date:** 6/10

**Location:** Ward 1

**Description:**
Design and construct a 4,200 gallons-per-minute booster station expansion to accommodate the additional reclaimed water to be produced at the Roger Road Facility.

**Justification:**
This expansion is needed to meet the anticipated demand for reclaimed water.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | 550.4 | - | 1,973.0 | **1,973.0** | - | - | - | - | **1,973.0** | - | **2,523.4** |
| Future Water Revenue Bonds | - | - | - | **-** | 60.0 | - | - | - | **60.0** | - | **60.0** |
| Tucson Water Revenue and Operations Fund | 15.9 | - | - | **-** | - | - | - | - | **-** | - | **15.9** |
| **Total** | 566.3 | - | 1,973.0 | **1,973.0** | 60.0 | - | - | - | **2,033.0** | - | **2,599.3** |

# Tucson Water - Reclaimed Transmission

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Reclaimed Emergency Main Enhancements** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | 50.0 | **50.0** | 50.0 | 50.0 | 50.0 | 100.0 | **300.0** | 500.0 | 800.0 |
| | **-** | **-** | **50.0** | **50.0** | **50.0** | **50.0** | **50.0** | **100.0** | **300.0** | **500.0** | **800.0** |
| **Reclaimed Transmission Main Projects - General** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | - | **-** | 2,500.0 | 2,500.0 |
| | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **2,500.0** | **2,500.0** |
| **Regional Reclaimed Facility Piping Modifications** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | 25.0 | 50.0 | 25.0 | **100.0** | - | 100.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 100.0 | 100.0 | **200.0** | - | 200.0 |
| | **-** | **-** | **-** | **-** | **-** | **25.0** | **150.0** | **125.0** | **300.0** | **-** | **300.0** |
| **Sweetwater Recharge Facility Pipeline, Ph. I** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | - | 544.0 | **544.0** | - | - | - | - | **544.0** | - | 544.0 |
| Tucson Water Revenue and Operations Fund | 40.0 | - | - | **-** | - | - | - | - | **-** | - | 40.0 |
| | **40.0** | **-** | **544.0** | **544.0** | **-** | **-** | **-** | **-** | **544.0** | **-** | **584.0** |
| **Sweetwater Recharge Facility Pipeline, Ph. II** | | | | | | | | | | | |
| Future Water Revenue Bonds | - | - | - | **-** | - | 40.0 | 150.0 | - | **190.0** | - | 190.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 300.0 | - | **300.0** | - | 300.0 |
| | **-** | **-** | **-** | **-** | **-** | **40.0** | **450.0** | **-** | **490.0** | **-** | **490.0** |
| **Program Area Total** | **40.0** | **-** | **594.0** | **594.0** | **50.0** | **115.0** | **650.0** | **225.0** | **1,634.0** | **3,000.0** | **4,674.0** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005 Water Revenue Bond Funds | - | - | 544.0 | **544.0** | - | - | - | - | **544.0** | - | 544.0 |
| Future Water Revenue Bonds | - | - | - | **-** | - | 65.0 | 200.0 | 25.0 | **290.0** | - | 290.0 |
| Tucson Water Revenue and Operations Fund | 40.0 | - | 50.0 | **50.0** | 50.0 | 50.0 | 450.0 | 200.0 | **800.0** | 3,000.0 | 3,840.0 |
| **Program Area Total** | **40.0** | **-** | **594.0** | **594.0** | **50.0** | **115.0** | **650.0** | **225.0** | **1,634.0** | **3,000.0** | **4,674.0** |

# Tucson Water - Reclaimed Transmission

($000)

## Reclaimed Emergency Main Enhancements

**Project ID:** W513
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Install, upgrade, or replace mains by an outside contractor on an as-needed basis.

**Justification:**
Immediate response to requests for emergency main installations is required to reduce water loss, improve system reliability, and maintain water quality.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | 50.0 | **50.0** | 50.0 | 50.0 | 50.0 | 100.0 | **300.0** | 500.0 | **800.0** |
| **Total** | - | - | 50.0 | **50.0** | 50.0 | 50.0 | 50.0 | 100.0 | **300.0** | 500.0 | **800.0** |

## Reclaimed Transmission Main Projects - General

**Project ID:** WN99
**Start Date:** 7/13
**End Date:** 6/18
**Location:** City and County

**Description:**
Budget capacity for reclaimed transmission main projects. The specific location of these projects will be determined in the year of implementation.

**Justification:**
This project will ensure that future reclaimed transmission needs are met.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | - | - | **-** | 2,500.0 | **2,500.0** |
| **Total** | - | - | - | **-** | - | - | - | - | **-** | 2,500.0 | **2,500.0** |

# Tucson Water - Reclaimed Transmission

($000)

## Regional Reclaimed Facility Piping Modifications

**Project ID:** W712
**Start Date:** 7/10
**End Date:** 6/13
**Location:** Ward 1

**Description:**
Modify piping to redirect the flow in an existing 24-inch line. Boosters will be modified and automatic control valves and connections will be installed. Vaults for the control valving are also included in the project.

**Justification:**
In the near future, Pima County will be treating the majority of its effluent water at their Regional Ina Road Facility. When this occurs, Tucson Water will need to deliver reclaimed water from the proposed Tucson Water Ina Road facility back to its Roger Road Facility to serve reclaimed customers in the central and southern portions of the region.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 25.0 | 50.0 | 25.0 | **100.0** | - | **100.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 100.0 | 100.0 | **200.0** | - | **200.0** |
| **Total** | - | - | - | **-** | - | 25.0 | 150.0 | 125.0 | **300.0** | - | **300.0** |

## Sweetwater Recharge Facility Pipeline, Ph. I

**Project ID:** W709
**Start Date:** 7/07
**End Date:** 6/09
**Location:** Ward 1

**Description:**
Construct and install approximately 2,100 feet of 36-inch reclaimed pipe and 300 feet of laterals. Design began in Fiscal Year 2008, with construction completion in Fiscal Year 2009.

**Justification:**
This reclaimed transmission main is needed to convey recovered reclaimed water from new reclaimed wells to the reclaimed reservoir.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | - | 544.0 | **544.0** | - | - | - | - | **544.0** | - | **544.0** |
| Tucson Water Revenue and Operations Fund | 40.0 | - | - | **-** | - | - | - | - | **-** | - | **40.0** |
| **Total** | 40.0 | - | 544.0 | **544.0** | - | - | - | - | **544.0** | - | **584.0** |

# Tucson Water - Reclaimed Transmission

($000)

## Sweetwater Recharge Facility Pipeline, Ph. II

**Project ID:** W711
**Start Date:** 7/10
**End Date:** 6/12
**Location:** Ward 1

**Description:**
Design and install approximately 2,200 feet of 24-inch of reclaimed transmission main and 500 feet of reclaimed laterals. Design will begin in Fiscal Year 2011 with construction following in Fiscal Year 2012.

**Justification:**
This reclaimed transmission main will convey recovered reclaimed water from additional new wells to the reclaimed reservoir.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Future Water Revenue Bonds | - | - | - | **-** | - | 40.0 | 150.0 | - | **190.0** | - | **190.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 300.0 | - | **300.0** | - | **300.0** |
| **Total** | - | - | - | **-** | - | 40.0 | 450.0 | - | **490.0** | - | **490.0** |

# Tucson Water - Reclaimed Distribution

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Developer-Financed Reclaimed Systems** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | 20.0 | **20.0** | 20.0 | 20.0 | 20.0 | 20.0 | **100.0** | 300.0 | 400.0 |
| | **-** | **-** | **20.0** | **20.0** | **20.0** | **20.0** | **20.0** | **20.0** | **100.0** | **300.0** | **400.0** |
| **System Enhancements: Reclaimed** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | 84.0 | 100.0 | **184.0** | - | - | - | - | **184.0** | - | 184.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 100.0 | 100.0 | 57.0 | 57.0 | **314.0** | 500.0 | 814.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 43.0 | 43.0 | **86.0** | - | 86.0 |
| | **-** | **84.0** | **100.0** | **184.0** | **100.0** | **100.0** | **100.0** | **100.0** | **584.0** | **500.0** | **1,084.0** |
| **Program Area Total** | **-** | **84.0** | **120.0** | **204.0** | **120.0** | **120.0** | **120.0** | **120.0** | **684.0** | **800.0** | **1,484.0** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005 Water Revenue Bond Funds | - | 84.0 | 100.0 | **184.0** | - | - | - | - | **184.0** | - | 184.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 100.0 | 100.0 | 57.0 | 57.0 | **314.0** | 500.0 | 814.0 |
| Tucson Water Revenue and Operations Fund | - | - | 20.0 | **20.0** | 20.0 | 20.0 | 63.0 | 63.0 | **186.0** | 300.0 | 486.0 |
| **Program Area Total** | **-** | **84.0** | **120.0** | **204.0** | **120.0** | **120.0** | **120.0** | **120.0** | **684.0** | **800.0** | **1,484.0** |

# Tucson Water - Reclaimed Distribution

($000)

## Developer-Financed Reclaimed Systems

**Project ID:** W130
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Review plans and inspect developer-constructed reclaimed water systems. These systems are donated to the city upon completion. Associated costs are recovered from developer fees.

**Justification:**
This review and inspection ensures compliance with Tucson Water's standards.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | 20.0 | **20.0** | 20.0 | 20.0 | 20.0 | 20.0 | **100.0** | 300.0 | **400.0** |
| **Total** | - | - | 20.0 | **20.0** | 20.0 | 20.0 | 20.0 | 20.0 | **100.0** | 300.0 | **400.0** |

## System Enhancements: Reclaimed

**Project ID:** W645
**Start Date:** Annual
**End Date:** Annual
**Location:** City and County

**Description:**
Design and construct reclaimed water mains during city, county, state, and other agency road improvement projects.

**Justification:**
This project will increase system capacity while reducing the cost of pavement removal and replacement by coordinating construction with the roadway projects.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | 84.0 | 100.0 | **184.0** | - | - | - | - | **184.0** | - | **184.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 100.0 | 100.0 | 57.0 | 57.0 | **314.0** | 500.0 | **814.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 43.0 | 43.0 | **86.0** | - | **86.0** |
| **Total** | - | 84.0 | 100.0 | **184.0** | 100.0 | 100.0 | 100.0 | 100.0 | **584.0** | 500.0 | **1,084.0** |

# Tucson Water - Reclaimed New Services

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **New Metered Services** | | | | | | | | | | | |
| Tucson Water Revenue and Operations Fund | - | - | 50.0 | **50.0** | 50.0 | 50.0 | 50.0 | 50.0 | **250.0** | 250.0 | 500.0 |
| | **-** | **-** | **50.0** | **50.0** | **50.0** | **50.0** | **50.0** | **50.0** | **250.0** | **250.0** | **500.0** |
| **Program Area Total** | **-** | **-** | **50.0** | **50.0** | **50.0** | **50.0** | **50.0** | **50.0** | **250.0** | **250.0** | **500.0** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tucson Water Revenue and Operations Fund | - | - | 50.0 | **50.0** | 50.0 | 50.0 | 50.0 | 50.0 | **250.0** | 250.0 | 500.0 |
| **Program Area Total** | **-** | **-** | **50.0** | **50.0** | **50.0** | **50.0** | **50.0** | **50.0** | **250.0** | **250.0** | **500.0** |

# Tucson Water - Reclaimed New Services

($000)

## New Metered Services

**Project ID:** W131

**Start Date:** Annual
**End Date:** Annual

**Location:** City and County

**Description:**
Install new metered reclaimed water services upon customer request and payment of connection fees.

**Justification:**
This project allows for the installation of new metered reclaimed water services upon customer request.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| Tucson Water Revenue and Operations Fund | - | - | 50.0 | **50.0** | 50.0 | 50.0 | 50.0 | 50.0 | **250.0** | 250.0 | **500.0** |
| **Total** | - | - | 50.0 | **50.0** | 50.0 | 50.0 | 50.0 | 50.0 | **250.0** | 250.0 | **500.0** |

# Tucson Water - Reclaimed Treatment

## Five-Year Capital Improvement Program

($000)

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Chlorine System Improvements** | | | | | | | | | | | |
| 2000 Water Revenue Bond Funds | 509.3 | - | - | **-** | - | - | - | - | **-** | - | 509.3 |
| Tucson Water Revenue and Operations Fund | 426.3 | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | 476.3 |
| | **935.6** | **-** | **50.0** | **50.0** | **-** | **-** | **-** | **-** | **50.0** | **-** | **985.6** |
| **Program Area Total** | **935.6** | **-** | **50.0** | **50.0** | **-** | **-** | **-** | **-** | **50.0** | **-** | **985.6** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 Water Revenue Bond Funds | 509.3 | - | - | **-** | - | - | - | - | **-** | - | 509.3 |
| Tucson Water Revenue and Operations Fund | 426.3 | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | 476.3 |
| **Program Area Total** | **935.6** | **-** | **50.0** | **50.0** | **-** | **-** | **-** | **-** | **50.0** | **-** | **985.6** |

# Tucson Water - Reclaimed Treatment

($000)

## Chlorine System Improvements

**Project ID:** W649

**Start Date:** 4/04
**End Date:** 6/09

**Location:** Ward 1

**Description:**
Design and construct chlorination facilities for the planned Roger Road Storage and Recovery Facility.

**Justification:**
This project will provide for the disinfection of reclaimed water.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2000 Water Revenue Bond Funds | 509.3 | - | - | **-** | - | - | - | - | **-** | - | **509.3** |
| Tucson Water Revenue and Operations Fund | 426.3 | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | **476.3** |
| **Total** | 935.6 | - | 50.0 | **50.0** | - | - | - | - | **50.0** | - | **985.6** |

# Tucson Water - Reclaimed Process Control

## Five-Year Capital Improvement Program

**($000)**

| Project Name / Fund | Prior Year(s) | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | Five Year Total | Future Years | Total Project |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carry Forward | New Funding | Year 1 Total | Year 2 FY 2010 | Year 3 FY 2011 | Year 4 FY 2012 | Year 5 FY 2013 | | | |
| **Control Panels: Reclaimed System** | | | | | | | | | | | |
| 2005 Water Revenue Bond Funds | - | 40.0 | 100.0 | **140.0** | - | - | - | - | **140.0** | - | 140.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 100.0 | 100.0 | 34.0 | 34.0 | **268.0** | 3,500.0 | 3,768.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 66.0 | 216.0 | **282.0** | - | 282.0 |
| | **-** | **40.0** | **100.0** | **140.0** | **100.0** | **100.0** | **100.0** | **250.0** | **690.0** | **3,500.0** | **4,190.0** |
| **Program Area Total** | **-** | **40.0** | **100.0** | **140.0** | **100.0** | **100.0** | **100.0** | **250.0** | **690.0** | **3,500.0** | **4,190.0** |

| Source of Funds Summary | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005 Water Revenue Bond Funds | - | 40.0 | 100.0 | **140.0** | - | - | - | - | **140.0** | - | 140.0 |
| Future Water Revenue Bonds | - | - | - | **-** | 100.0 | 100.0 | 34.0 | 34.0 | **268.0** | 3,500.0 | 3,768.0 |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 66.0 | 216.0 | **282.0** | - | 282.0 |
| **Program Area Total** | **-** | **40.0** | **100.0** | **140.0** | **100.0** | **100.0** | **100.0** | **250.0** | **690.0** | **3,500.0** | **4,190.0** |

# Tucson Water - Reclaimed Process Control

($000)

## Control Panels: Reclaimed System

**Project ID:** W959

**Start Date:** Annual
**End Date:** Annual

**Location:** City and County

**Description:**
Design and construct controls for reclaimed water facilities, and modify existing controls at booster stations, reservoirs, and storage facilities.

**Justification:**
These controls are needed to electronically monitor and transmit pressure, flow rates, and other site condition data to the reclaimed water treatment plant, where it is used to make operational decisions.

| | | Adopted Fiscal Year 2009 | | | Approved | Projected Requirements | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Source of Funds:** | **Prior Year(s)** | **Carry Forward** | **New Funding** | **Year 1 Total** | **Year 2 FY 2010** | **Year 3 FY 2011** | **Year 4 FY 2012** | **Year 5 FY 2013** | **Five Year Total** | **Future Years** | **Total Project** |
| 2005 Water Revenue Bond Funds | - | 40.0 | 100.0 | **140.0** | - | - | - | - | **140.0** | - | **140.0** |
| Future Water Revenue Bonds | - | - | - | **-** | 100.0 | 100.0 | 34.0 | 34.0 | **268.0** | 3,500.0 | **3,768.0** |
| Tucson Water Revenue and Operations Fund | - | - | - | **-** | - | - | 66.0 | 216.0 | **282.0** | - | **282.0** |
| **Total** | - | 40.0 | 100.0 | **140.0** | 100.0 | 100.0 | 100.0 | 250.0 | **690.0** | 3,500.0 | **4,190.0** |

*Approved Five-Year*
*Capital Improvement Program*
*Fiscal Years 2009 through 2013*

# Section C
# Impact Fee Project Plan

# IMPACT FEE PROJECTS PLAN

The impact fee ordinance requires an Impact Fee Projects Plan (IFPP) that lists the projects that are eligible for the use of impact fees. As required, the city's IFPP was established following a public hearing in March 2007. The ordinance further requires that the IFPP be included in the city's capital improvement program (CIP) and reviewed annually. This section of the CIP is presented to comply with that requirement.

## Available Revenue for Projects

It is the city's budgeting practice to budget in Year 1 of the CIP only the impact fee revenue collected through December of the current fiscal year, and only for those projects with potential funding in the following years to complete construction. Potential funding in the following years may come from impact fees, grants, bonds, or other revenues that are reasonably assured to be available.

## Eligible Projects

In March 2007, following a public hearing, the Mayor and Council approved the arterial roadway and regional park projects listed on the following pages. These project listings are the ordinance-required Impact Fee Projects Plan (IFPP). Projects programmed in this CIP are noted. For more detail on the projects, see the department CIPs in Section B.

In August 2007, Mayor and Council adopted the ordinance for impact fees for Police, Fire, and Public Facilities. The collection of impact fees for residential development started on January 16, 2008. Collection of impact fees for non-residential development will begin January 16, 2009. Capacity for these revenues are not yet included in this approved CIP or the IFPP. A public hearing for the eligible projects must be held prior to their inclusion in the IFPP.

**NOTE:** This Impact Fee Project Plan (IFPP) does not include projects funded with Tucson Water's impact fees, because they are governed by separate ordinances.

## Roads Impact Fee Projects Plan

| District/Project | Projected Allocations ($000s) | Budgeted Allocations ($000s) | Status |
|---|---|---|---|
| **West:** | | | |
| Goret/Silverbell | 800.0 | 700.0 | Completed |
| Anklam: Player's Club to Greasewood | 500.0 | 600.0 | Completed |
| Irvington & Campbell Intersection | 800.0 | 800.0 | Programmed |
| Irvington & Park Intersection | 1,600.0 | | |
| Ajo & Park Intersection | 775.0 | | |
| Irvington & 12th Intersection | 1,600.0 | | |
| El Camino del Cerro: I-10 to Silverbell | 1,500.0 | 1,500.0 | Programmed |
| Speedway: Silverbell to Greasewood | 2,500.0 | | |
| Irvington & I-19 East Interchange | 1,500.0 | | |
| Drexel: I-19 to Midvale (design) | 800.0 | | |
| | 12,375.0 | 3,600.0 | |
| **East:** | | | |
| Camino Seco: Speedway to Wrightstown | 5,500.0 | | |
| Camino Seco/Wrightstown Intersection | | 400.0 | Programmed |
| Tanque Verde/Dos Hombres | 250.0 | 250.0 | Programmed |
| Speedway & Swan Intersection | 1,500.0 | | |
| Pantano: Golf Links to Research Park | 2,000.0 | | |
| Broadway & Wilmot Intersection (design) | 1,100.0 | | |
| Grant & Wilmot Intersection | 800.0 | | |
| Ft. Lowell: Alvernon to Swan (design) | 1,100.0 | | |
| Harrison/Wrightstown Curve | 500.0 | 500.0 | Programmed |
| | 12,750.0 | 1,950.0 | |
| **Central:** | | | |
| Country Club: Ft. Lowell to Prince | 5,000.0 | | |
| **Southeast:** | | | |
| Mary Ann Cleveland Way | 3,500.0 | 3,500.0 | Completed |
| Golf Links & Kolb Intersection | 2,000.0 | 500.5 | Programmed |
| Harrison Bridget at Pantano Wash | 2,000.0 | | |
| Irvington: Kolb to Houghton | 13,000.0 | | |
| Valencia: Kolb to Houghton | 1,000.0 | | |
| Houghton: Golf Links to I-10 | 1,000.0 | | |
| | 22,500.0 | 4,000.0 | |
| **Southlands:** | | | |
| Wilmot Extension | 6,000.0 | | |
| **Five-Year Total** | **58,625.0** | **9,550.0** | |

## Parks Impact Fee Projects Plan

| District/Project | Projected Allocations ($000s) | Budgeted Allocations ($000s) | Status |
|---|---|---|---|
| **West:** | | | |
| Christopher Columbus Park Expansion | 500.0 | 500.0 | Programmed |
| Cherry Avenue Center Expansion | 1,000.0 | 226.2 | Programmed |
| Desert Vista School Park Expansion | 500.0 | | |
| El Pueblo Center Expansion | 1,300.0 | 200.0 | Programmed |
| Juhan Park Expansion | 300.0 | 300.0 | Programmed |
| Rodeo Grounds Sports Field (design) | 200.0 | | |
| Sunnyside School District Partnerships | 378.0 | | |
| | 4,178.0 | 1,226.2 | |
| **East:** | | | |
| Arcadia Park | 500.0 | 500.0 | Programmed |
| Jesse Owens Park Expansion | 300.0 | | |
| Pantano River Park Expansion | 300.0 | | |
| South Central Community Park | 1,000.0 | 395.5 | Programmed |
| Udall Park Expansion | 2,078.0 | | |
| | 4,178.0 | 895.5 | |
| **Central**: | | | |
| Arroyo Chico Urban Pathway | 450.0 | 389.8 | Programmed |
| Jacobs Park & Center Expansion | 200.0 | | |
| Mansfield Park & Center Expansion | 150.0 | | |
| Northside Community Park | 350.0 | | |
| Ormsby Park Expansion | 100.0 | 100.0 | Programmed |
| Quincie Douglas & Silverlake Park Expan. | 150.0 | | |
| Reid Park & Centers Expansions | 384.5 | 384.5 | Programmed |
| Silverlake Park Soccer Field Lighting | 100.0 | 100.0 | Programmed |
| Sonoran Desert Natural Resources Park | 100.0 | | |
| | 1,984.5 | 974.3 | |
| **Southeast:** | | | |
| Clements Senior Center Completion | 2,500.0 | | |
| Lincoln Park Expansion | 1,056.0 | 202.9 | Programmed |
| Purple Heart Park Expansion | 800.0 | 800.0 | Programmed |
| Southeast Regional Park Expansion | 3,000.0 | | |
| South Central Community Park | 1,000.0 | 250.0 | Programmed |
| | 8,356.0 | 1,252.9 | |
| **Southlands:** | | | |
| Southlands Master Plan | 250.0 | | |
| Valencia & Alvernon Community Park | 300.0 | 300.0 | Programmed |
| Valencia Corridor Facilities Plan | 250.0 | 250.0 | Programmed |
| Valencia Corridor Land Acquisition | 1,289.0 | 866.5 | Programmed |
| | 2,089.0 | 1,416.5 | |
| **Five-Year Total** | **20,785.5** | **5,765.4** | |

CITY OF
FOUNDED
1775
TUCSON