

Recommended 2011-12 Capital Improvements Program



March 24, 2011

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Recommended 2011-12 Capital Improvements Program Summary



Program	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
		2012-13	2013-14	2014-15	2015-16	
Enterprise Program						
Water	19,161,000	5,630,000	6,681,000	6,706,000	15,470,000	53,648,000
Wastewater	10,999,000	10,851,000	7,000,000	9,576,000	9,599,000	48,025,000
Total Enterprise	30,160,000	16,481,000	13,681,000	16,282,000	25,069,000	101,673,000
Special Purpose Program						
Transit	2,789,099	-	-	-	-	2,789,099
Rio Salado	4,000,000	1,379,780	424,000	43,605,600	-	49,409,380
Total Special Purpose	6,789,099	1,379,780	424,000	43,605,600	-	52,198,479
General Purpose Program						
Police Protection	2,500,246	1,175,848	5,589,362	1,522,777	1,582,764	12,370,996
Fire Protection	849,800	530,000	1,267,000	580,000	-	3,226,800
Storm Drains	278,000	300,000	350,000	350,000	350,000	1,628,000
Park Improvements	1,415,000	975,000	1,335,000	2,035,000	2,125,000	7,885,000
General Governmental	1,613,600	2,015,810	1,972,110	1,642,820	1,730,690	8,975,030
Total General Purpose	6,656,646	4,996,658	10,513,472	6,130,597	5,788,454	34,085,826
Transportation						
Transportation and R.O.W.	4,765,888	4,558,823	6,240,555	4,374,553	3,767,035	23,706,854
Traffic Signals / Street Lighting	966,171	1,375,000	1,152,619	605,000	605,000	4,703,790
Total Transportation	5,732,059	5,933,823	7,393,174	4,979,553	4,372,035	28,410,644
TOTAL PROGRAM	49,337,804	28,791,261	32,011,646	70,997,750	35,229,489	216,367,950

Recommended 2011-12 Capital Improvements Program Source of Funds Summary



Program	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
		2012-13	2013-14	2014-15	2015-16	
Enterprise Supported						
Water / Wastewater Bonds	29,160,000	15,481,000	12,681,000	15,282,000	24,069,000	96,673,000
Development Fees	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Total Enterprise Supported	30,160,000	16,481,000	13,681,000	16,282,000	25,069,000	101,673,000
Special Purpose						
Transit						
Federal Grants	2,422,456	-	-	-	-	2,422,456
Transit Tax Revenues	366,643	-	-	-	-	366,643
Total Transit	2,789,099	-	-	-	-	2,789,099
Rio Salado						
Rio Salado Fund Balance	4,000,000	-	-	-	-	4,000,000
Unauthorized G.O. Bonds	-	1,379,780	424,000	43,605,600	-	45,409,380
Total Rio Salado	4,000,000	1,379,780	424,000	43,605,600	-	49,409,380
Total Special Purpose	6,789,099	1,379,780	424,000	43,605,600	-	52,198,479
General Purpose						
General Obligation Bonds	4,419,634	2,980,848	7,916,362	2,965,000	2,475,000	20,756,844
Unauthorized G.O. Bonds	1,312,000	1,851,000	2,460,300	3,002,777	3,062,764	11,688,841
Water / Wastewater Fund	429,600	164,810	136,810	162,820	250,690	1,144,730
Racketeer Influenced and Corrupt Organizations Act (RICO) Funds	495,412	-	-	-	-	495,412
Total General Purpose	6,656,646	4,996,658	10,513,472	6,130,597	5,788,454	34,085,826
Transportation						
General Obligation Bonds	5,280,231	5,394,823	5,517,638	4,979,553	4,372,035	25,544,280
Federal Grants	242,528	539,000	1,875,536	-	-	2,657,064
Capital Projects Fund Balance	209,300	-	-	-	-	209,300
Total Transportation	5,732,059	5,933,823	7,393,174	4,979,553	4,372,035	28,410,644
TOTAL PROGRAM	49,337,804	28,791,261	32,011,646	70,997,750	35,229,489	216,367,950

2011-12 CIP Projects - Water Program



Project Name	Funding Source	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
			2012-13	2013-14	2014-15	2015-16	
Distribution System Fittings	Water / Wastewater Bonds	230,000	230,000	230,000	230,000	230,000	1,150,000
Environmental Laboratory Facility	Water / Wastewater Bonds	540,000	-	-	-	-	540,000
JGMWTP Capital Equipment Replacement	Water / Wastewater Bonds	250,000	250,000	250,000	250,000	250,000	1,250,000
JGMWTP Water Quality Upgrades	Water / Wastewater Bonds	4,055,000	2,325,000	-	-	-	6,380,000
New Production Wells	Water / Wastewater Bonds	100,000	1,500,000	1,500,000	1,500,000	1,500,000	6,100,000
SCADA Master Plan and Implementation	Water / Wastewater Bonds	250,000	250,000	-	-	-	500,000
Scottsdale Road Water Transmission Main (Curry Rd. to Rio Salado Parkway)	Water / Wastewater Bonds	-	-	-	-	6,253,000	6,253,000
Small Meter Replacement Program - 2" and under	Water / Wastewater Bonds	175,000	175,000	175,000	200,000	200,000	925,000
STWTP Capital Equipment Replacement	Water / Wastewater Bonds	250,000	250,000	250,000	250,000	250,000	1,250,000
South Tempe Water Treatment Plant Improvements	Water / Wastewater Bonds	12,100,000	-	-	-	-	12,100,000
Undergrounding of Water Aqueduct at the JGMWTP	Water / Wastewater Bonds	-	-	-	-	2,511,000	2,511,000
Water Line Replacement and Repair	Development Fees	500,000	500,000	500,000	500,000	500,000	2,500,000
Waterline Replacements of High Frequency Break Areas	Water / Wastewater Bonds	-	-	3,626,000	3,626,000	3,626,000	10,878,000
Well #9 Pump to Waste Line	Water / Wastewater Bonds	561,000	-	-	-	-	561,000
Well Rehabilitation	Water / Wastewater Bonds	150,000	150,000	150,000	150,000	150,000	750,000
Total Program		19,161,000	5,630,000	6,681,000	6,706,000	15,470,000	53,648,000

2011-12 CIP Projects - Wastewater Program



Project Name	Funding Source	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
			2012-13	2013-14	2014-15	2015-16	
91st Avenue WWTP	Water / Wastewater Bonds	7,500,000	7,500,000	5,000,000	5,000,000	5,000,000	30,000,000
Ken McDonald Golf Course Recharge Project	Water / Wastewater Bonds	1,649,000	1,351,000	-	-	-	3,000,000
Sewer Line Replacement and Repair	Water / Wastewater Bonds	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	7,000,000
	Development Fees	500,000	500,000	500,000	500,000	500,000	2,500,000
	Project Total	1,500,000	2,000,000	2,000,000	2,000,000	2,000,000	9,500,000
Sewer Replacement/Upsize (5th Street from Price Road to Smith Road)	Water / Wastewater Bonds	-	-	-	2,576,000	-	2,576,000
Sewer Replacement / Upsize Smith Rd (Apache to University)	Water / Wastewater Bonds	-	-	-	-	2,599,000	2,599,000
Unlined Concrete Sewer Evaluation Study	Water / Wastewater Bonds	350,000	-	-	-	-	350,000
Total Program		10,999,000	10,851,000	7,000,000	9,576,000	9,599,000	48,025,000

2011-12 CIP Projects - Transit Program



Project Name	Funding Source	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
			2012-13	2013-14	2014-15	2015-16	
CCTV Monitoring Stations - LRT Signal Intersections	Federal Grant - CMAQ	285,456	-	-	-	-	285,456
	Transit Tax	139,643	-	-	-	-	139,643
	Project Total	425,099	-	-	-	-	425,099
Hardy Drive Street Improvement	Federal Grant - CMAQ	1,194,000	-	-	-	-	1,194,000
	Transit Tax	166,000	-	-	-	-	166,000
	Project Total	1,360,000	-	-	-	-	1,360,000
Tempe Rio Salado Underpass under 202 at 101	Federal Grant - CMAQ	943,000	-	-	-	-	943,000
	Transit Tax	61,000	-	-	-	-	61,000
	Project Total	1,004,000	-	-	-	-	1,004,000
Total Program		2,789,099	-	-	-	-	2,789,099

2011-12 CIP Projects - Rio Salado Program



Project Name	Funding Source	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
			2012-13	2013-14	2014-15	2015-16	
Town Lake Downstream Dam Replacement	Rio Salado Fund Balance	4,000,000	-	-	-	-	4,000,000
	Unauthorized G.O. Bonds	-	1,379,780	424,000	43,605,600	-	45,409,380
	Project Total	4,000,000	1,379,780	424,000	43,605,600	-	49,409,380
Total Program		4,000,000	1,379,780	424,000	43,605,600	-	49,409,380

2011-12 CIP Projects - Police Protection Program



Project Name	Funding Source	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
			2012-13	2013-14	2014-15	2015-16	
City Regional Radio System Maintenance and Replacement	General Obligation Bonds	1,914,834	1,125,848	1,526,824	-	-	4,567,506
	Unauthorized G.O. Bonds	-	-	-	1,472,777	1,532,764	3,005,541
	Project Total	1,914,834	1,125,848	1,526,824	1,472,777	1,532,764	7,573,046
Intercept Project	Racketeer Influenced and Corrupt Organizations Act (RICO) Funds	495,412	-	-	-	-	495,412
PD Mobile Communication & Laptops	General Obligation Bonds	-	-	3,437,538	-	-	3,437,538
	Unauthorized G.O. Bonds	-	-	475,000	-	-	475,000
	Project Total	-	-	3,912,538	-	-	3,912,538
Technology Integrated Police Systems (TIPS)	General Obligation Bonds	90,000	50,000	-	-	-	140,000
	Unauthorized G.O. Bonds	-	-	150,000	50,000	50,000	250,000
	Project Total	90,000	50,000	150,000	50,000	50,000	390,000
Total Program		2,500,246	1,175,848	5,589,362	1,522,777	1,582,764	12,370,996

2011-12 CIP Projects - Fire Protection Program



Project Name	Funding Source	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
			2012-13	2013-14	2014-15	2015-16	
Fire Apparatus Replacement	General Obligation Bonds	590,000	500,000	500,000	500,000	-	2,090,000
Fire Laptop Replacement	General Obligation Bonds	159,800	30,000	30,000	30,000	-	249,800
Fire Station #2	General Obligation Bonds	100,000	-	-	-	-	100,000
Replace Burn Room at Fire Training Center	General Obligation Bonds	-	-	737,000	50,000	-	787,000
Total Program		849,800	530,000	1,267,000	580,000	-	3,226,800

2011-12 CIP Projects - Storm Drains Program



Project Name	Funding Source	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
			2012-13	2013-14	2014-15	2015-16	
Storm Drain Improvements	General Obligation Bonds	150,000	300,000	350,000	350,000	350,000	1,500,000
Storm Water Monitoring Upgrades	Water / Wastewater Fund	128,000	-	-	-	-	128,000
Total Program		278,000	300,000	350,000	350,000	350,000	1,628,000

2011-12 CIP Projects - Park Improvements / Recreation Program



Project Name	Funding Source	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
			2012-13	2013-14	2014-15	2015-16	
Athletic Field Lighting Replacement	General Obligation Bonds	1,015,000	515,000	515,000	515,000	515,000	3,075,000
Cox Splash Playground Renovation	General Obligation Bonds	-	-	120,000	1,010,000	-	1,130,000
Escalante Pool Equipment Replacement	General Obligation Bonds	-	-	-	-	300,000	300,000
Kiwanis Park Batting Range	General Obligation Bonds	-	-	190,000	-	-	190,000
KRC Complex Infrastructure & Equipment Replacements	General Obligation Bonds	-	-	-	-	750,000	750,000
Park Infrastructure / Equipment Replacement	General Obligation Bonds	400,000	400,000	450,000	450,000	500,000	2,200,000
Sports Facility Relamping	General Obligation Bonds	-	60,000	60,000	60,000	60,000	240,000
Total Program		1,415,000	975,000	1,335,000	2,035,000	2,125,000	7,885,000

2011-12 CIP Projects - General Governmental Program



Project Name	Funding Source	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
			2012-13	2013-14	2014-15	2015-16	
City Court							
Court Improvement Project	Unauthorized G.O. Bonds	-	171,000	55,300	-	-	226,300
Community Services							
Municipal Arts Program	Water / Wastewater Fund	301,600	164,810	136,810	162,820	250,690	1,016,730
Finance and Technology							
Enterprise Network File Storage and Archival	Unauthorized G.O. Bonds	70,000	270,000	370,000	70,000	70,000	850,000
Public Works							
City Facilities Rehabilitation	Unauthorized G.O. Bonds	572,000	510,000	510,000	510,000	510,000	2,612,000
Downtown Infrastructure Improvements	Unauthorized G.O. Bonds	25,000	100,000	100,000	100,000	100,000	425,000
HVAC Replacements	Unauthorized G.O. Bonds	100,000	400,000	400,000	400,000	400,000	1,700,000
Roof Maintenance Program	Unauthorized G.O. Bonds	545,000	400,000	400,000	400,000	400,000	2,145,000
Total Program		1,613,600	2,015,810	1,972,110	1,642,820	1,730,690	8,975,030

2011-12 CIP Projects - Transportation and R.O.W. Program



Project Name	Funding Source	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
			2012-13	2013-14	2014-15	2015-16	
Arterial Asphalt Mill and Overlay	General Obligation Bonds	1,754,664	1,775,300	1,431,885	1,503,479	1,438,710	7,904,038
Bridge Maintenance	General Obligation Bonds	300,000	300,000	300,000	300,000	300,000	1,500,000
Holdeman Alley Improvement Project	Federal Grants - CMAQ	-	-	531,098	-	-	531,098
	General Obligation Bonds	-	-	32,102	-	-	32,102
	Project Total	-	-	563,200	-	-	563,200
Intersection Reconstruction	General Obligation Bonds	762,156	425,250	464,776	-	-	1,652,182
Minor Concrete Improvements	Capital Projects Fund Balance	209,300	-	-	-	-	209,300
	General Obligation Bonds	-	209,300	209,300	209,300	209,300	837,200
	Project Total	209,300	209,300	209,300	209,300	209,300	1,046,500
Neighborhood Street Rehabilitation - Cape / Smooth Seal	General Obligation Bonds	626,400	626,400	626,400	626,400	626,400	3,132,000
North Tempe Alley Improvement Project	Federal Grants - CMAQ	-	-	961,105	-	-	961,105
	General Obligation Bonds	-	-	58,095	-	-	58,095
	Project Total	-	-	1,019,200	-	-	1,019,200
Residential Street Surface Treatments	General Obligation Bonds	551,725	554,448	556,794	559,474	524,500	2,746,941
Street Reconstruction and Improvements	General Obligation Bonds	561,643	668,125	1,069,000	1,175,900	668,125	4,142,793
Total Program		4,765,888	4,558,823	6,240,555	4,374,553	3,767,035	23,706,854

2011-12 CIP Projects - Traffic Signals and Street Lighting Program



Project Name	Funding Source	2011-12 Capital Budget	Additional Projected Needs				Total 5-Year Program
			2012-13	2013-14	2014-15	2015-16	
Communication Conduit	Federal Grants - CMAQ	242,528	-	-	-	-	242,528
	General Obligation Bonds	118,643	-	-	-	-	118,643
	Project Total	361,171	-	-	-	-	361,171
Elliot, Guadalupe and Warner ITS Improvements	Federal Grants - CMAQ	-	-	383,333	-	-	383,333
	General Obligation Bonds	-	-	164,286	-	-	164,286
	Project Total	-	-	547,619	-	-	547,619
New Signals / Safety Upgrades	General Obligation Bonds	180,000	180,000	180,000	180,000	180,000	900,000
Pedestrian ITS Devices	General Obligation Bonds	25,000	25,000	25,000	25,000	25,000	125,000
Street Light Pole Structural Replacement	General Obligation Bonds	300,000	300,000	300,000	300,000	300,000	1,500,000
Traffic Control Cabinets and Hardware Replacement	Federal Grants - CMAQ	-	539,000	-	-	-	539,000
	General Obligation Bonds	-	231,000	-	-	-	231,000
	Project Total	-	770,000	-	-	-	770,000
Traffic Signal L.E.D. Replacement	General Obligation Bonds	100,000	100,000	100,000	100,000	100,000	500,000
Total Program		966,171	1,375,000	1,152,619	605,000	605,000	4,703,790