

Public Safety
Project Summary

	<i>File Number</i>	<i>Reference*</i>
City Court		
New City Court Building	01-850	CRT -001
Environmental Management		
6th Street LUST (Leaking Underground Storage Tank) Remediation	01-265	EM -001
Fire		
Acquire Land for New Fire Stations.	01-737	F -001
Acquisition of Replacement Fire Equipment	01-731	F -003
Emergency Vehicle AVL Federal Project	02-326	F -006
Fire Operations Center (Administration, EMS, Personnel/Safety, Pub. Ed. & E.O.C.)	01-739	F -018
Fire Station 218	01-743	F -012
Optical Pre-emption & Emergency Traffic Signal Equipment	01-750	F -004
Public Safety Training Facility – Phased Improvements: Special Operations and Training Office with adjoining classrooms.	01-733	F -040
Remodel Fire Station 215	01-920	F -039
Remodel Old Falcon Substation for Emergency Operations Center	05-021	F -053
Police		
800 MHz Trunked Radio System Infrastructure	01-763	P -004
Chilled Water Line to Public Safety Campus	04-082	P -058
Technical Services Building	01-258	P -005

**Reference number for Map and Project Detail pages*

Public Safety

Project Summary

	<i>File Number</i>	<i>Reference*</i>
Waterless Fire Suppression in the Public Safety Dispatch Center	04-853	P-063

**Reference number for Map and Project Detail pages*

Public Safety

Future Projects

Fire

Acquisitions of New Fire Apparatus

Construction of Concrete Driveway Replacement at Fire Stations 209, 211, 213 & 215

East Mesa Service Center/ Fire Resource Expansion

Fire Community Services Offices

Fire Station 207 and 211 Expansion/Renovation

Fire Station 208, Battalion 202 & 203 Expansion/Renovation

Fire Station 210: Expansion/Renovation

Fire Station 219, 32nd St. & McDowell

Fire Station 220: New Station

Fire Station 221: New Station

Fire Station 222 and Battalion 204 Office: New

Fire Station Emergency Alert System Upgrade

Fire Stations 205, 213, 214 Expansion/Remodel

Kitchen Remodel Fire Station 208

New Fire Station #223

New Fire Station #224

Public Safety

Future Projects

Fire

New Fire Station #225/Batt. 205

Public Safety Training Academy: Defensive Tactics, Health and Safety Offices

Public Safety Training Facility –Classrooms

Public Safety Training Facility-Phased Improvements: Multi-purpose Buildings

Traffic Signals at Fire Stations

Police

4.9 GHz (Data) Infrastructure

800 MHz Simulcast Sites - Additional

Building Treatment for 800MHz Radio Coverage

Center Against Family Violence (CAFV)

Construction of Sight & Sound Wall for Police Central Patrol Adult/Juvenile Holding Areas

Falcon Substation Communications Facility

Far Northeast Mesa Radio Transmitter Site

Garage Improvements at the SID Building

Helicopter-Replace Helicopter purchased in 1994.

Impound Lot Improvements

Install Keyless Entry System and Security Cameras in the SID Building

Public Safety

Future Projects

Police

Install Paging System at Police Central Patrol Substation

Keyless Remote Access to Special Investigations Building

Microwave System Alternate Route: Mesa City Plaza Bldg., Management Services Bldg., Police Headquarters. (Phase 1b)

Mobile Data System Sites

New Falcon Substation (Phase II)

Northeast Police Substation

Pistol Range Targeting System and Range Upgrades

Police CNG Fueling Stations: Superstition Sub Station

Police Communications Center Lighting Upgrade

Public Safety Communications & 911 Expansion/Dispatch Center

Public Safety Driving Track Relocation and Land Acquisition

Public Safety Indoor Firearms Range

Public Safety Training Facility(PSTF) - Phases Improvements: Homeland Security and Metropolitan Medical Response System Equipment Storage Warehouse

Remodel of Aviation Area within the Police Dept.

Remodel of Dobson Substation

Public Safety

Future Projects

Police

Remodel of Old Falcon Police/Fire Substation

Remodel Police Central (Old City Court Building)

Security Fence at Special Investigations (SID) Building

SID Building Remodel- Phase 1

SID Building Remodel- Phase 2

Soundproof the Existing Polygraph/Examination Rooms

Thompson Peak Intelli-repeater Site Transmitters

Upgrade of Interview Rooms in Criminal Investigation Area within the Police Department

WGA Terminal Security Facility

Public Safety

Project Detail

City Court

01-850

New City Court Building

CRT-001

Problem

The existing Court building has no additional space for courtrooms, office space, storage for records, or juror facilities. As the caseload increases, there is a need for courtroom space to allow the cases to be heard in the prescribed time. The City Prosecutor's office is in the same situation with regard to caseload increase and room for staff and records.

Solution

Design and construct a new building to provide space for the court, prosecutor, and jail courtroom needs. The building will include courtrooms, office space for judges, Court and City Prosecutor staff, attorney conference rooms, juror facilities, record storage, and facilities for the public to view teleconferenced proceedings between the Maricopa County Jail and the Court.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
Capital Costs									
9650	G6	Design	\$1,862,847	\$0	\$0	\$0	\$0	\$0	\$1,862,847
9650	G6	Construction	\$0	\$18,839,347	\$10,380,182	\$0	\$0	\$0	\$29,219,529
5300	010	Purchase	\$0	\$0	\$0	\$510,442	\$0	\$0	\$510,442
9650	G6	Purchase	\$0	\$0	\$1,123,262	\$0	\$0	\$0	\$1,123,262
9650	G6	Constr. Admin	\$0	\$582,479	\$298,084	\$0	\$0	\$0	\$880,563
9650	G6	ISD	\$0	\$0	\$280,816	\$0	\$0	\$0	\$280,816
			\$1,862,847	\$19,421,826	\$12,082,343	\$510,442	\$0	\$0	\$33,877,459
Non-Capital/Start-Up Costs									
5300	010	Misc	\$0	\$0	\$0	\$0	\$0	\$15,592	\$15,592
5400	010	Misc	\$0	\$0	\$481,312	\$48,970	\$0	\$140,582	\$670,864
5300	FA	Misc	\$0	\$0	\$1,568,354	\$0	\$0	\$26,486	\$1,594,841
			\$0	\$0	\$2,049,666	\$48,970	\$0	\$182,661	\$2,281,297
Total (Non-Capital & Capital Costs)									
			\$1,862,847	\$19,421,826	\$14,132,009	\$559,412	\$0	\$182,661	\$36,158,756

Public Safety

Project Detail

Environmental Management

01-265

6th Street LUST (Leaking Underground Storage Tank) Remediation

EM-001

Problem

Releases from old fuel storage tanks at the 6th Street Service Center have resulted in soil and groundwater contamination at the site. The extent of soil and water contamination has been determined and under State and Federal regulations it is now necessary to begin remediation of the contamination.

Solution

Remediation options for soil and groundwater contamination must be evaluated to determine the most cost-effective method of remediation. It will then be necessary to develop a corrective action plan, design and then install the remediation system(s). It is estimated that design, plan development and installation of the system(s) should take approximately 18 months. Operations of the remediation system is estimated to take approximately four years after which the system will be abandoned.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
Capital Costs									
6800	010	Construction	\$1,056,144	\$0	\$0	\$0	\$0	\$0	\$1,056,144
6800	SA	Reimbursement	(\$567,955)	(\$355,736)	(\$199,591)	(\$319,224)	(\$49,300)	\$0	(\$1,491,807)
			\$488,189	(\$355,736)	(\$199,591)	(\$319,224)	(\$49,300)	\$0	(\$435,663)
Non-Capital/Start-Up Costs									
6800	010	Misc	\$150,000	\$287,614	\$462,445	\$87,065	\$82,296	\$210,455	\$1,279,875
			\$150,000	\$287,614	\$462,445	\$87,065	\$82,296	\$210,455	\$1,279,875
Total (Non-Capital & Capital Costs)									
			\$638,189	(\$68,122)	\$262,854	(\$232,159)	\$32,995	\$210,455	\$844,213

Public Safety

Project Detail

Fire

01-737

Acquire Land for New Fire Stations.

F-001

Problem

Need to acquire land for future fire station sites to provide adequate emergency services in the community. Priority sites are: 56th Street and Main Street, Sycamore and Main Street, 8th Street and Alma School, and Power Road and McLellan.

Solution

Fire station sites need to be strategically located in the community ahead of the anticipated service delivery schedule to provide compatibility with the neighborhood. Acquisition of the land will position the fire station in the proper location for future services.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
Capital Costs									
9600	G6	Land Acquisition	\$1,069,430	\$0	\$0	\$0	\$0	\$0	\$1,069,430
			\$1,069,430	\$0	\$0	\$0	\$0	\$0	\$1,069,430
Total (Non-Capital & Capital Costs)									
			\$1,069,430	\$0	\$0	\$0	\$0	\$0	\$1,069,430

Public Safety

Project Detail

01-731

Acquisition of Replacement Fire Equipment

F-003

Problem

Replacement of fire equipment are to provide adequate emergency service vehicles. Replacement vehicles have exceeded usable life, based on standardized replacement plan.

Solution

Fire Pumper Trucks are programmed for 130,000 miles or 8- 10 years of front-line service and 3 - 5 years of reserve service or a total of 150,000 miles.

Rehab/Supply vehicles are programmed for 130,000 miles or 8- 10 years of front-line service and 3 - 5 years of reserve service or a total of 150,000 miles.

Fire Ladder Tenders are programmed for 100,000 miles or 10 years of front-line service and 3 years of reserve service or a total of 130,000 miles.

Fire Ladder Trucks are programmed for 130,000 miles or 8- 10 years of front-line service and 3 - 5 years of reserve service or a total of 150,000 miles.

Fire Specialty Apparatus are programmed 130,000 miles or 8- 10 years of front-line service and 3 - 5 years of reserve service or a total of 150,000 miles.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
<i>Capital Costs</i>									
6300	011	Purchase	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
6300	FA	Purchase	\$541,721	\$0	\$0	\$0	\$0	\$0	\$541,721
9600	G6	Purchase	\$0	\$0	\$0	\$0	\$0	\$24,074,925	\$24,074,925
			\$551,721	\$0	\$0	\$0	\$0	\$24,074,925	\$24,626,646
<i>Non-Capital/Start-Up Costs</i>									
6300	010	Misc	\$236,928	\$0	\$98,845	\$271,927	\$180,182	\$182,401	\$970,283
			\$236,928	\$0	\$98,845	\$271,927	\$180,182	\$182,401	\$970,283
<i>Total (Non-Capital & Capital Costs)</i>									
			\$788,649	\$0	\$98,845	\$271,927	\$180,182	\$24,257,326	\$25,596,929

Public Safety

Project Detail

01-750 Optical Pre-emption & Emergency Traffic Signal Equipment **F-004**

Problem

The traffic signal system is currently 58% equipped with emergency pre-emption devices. The goal is to have at least 66% of the system outfitted. In order to keep up with new signalized intersection additions, it is imperative to plan for optical pre-emption.

Solution

Emergency traffic signal pre-emption for existing fire station reponse areas.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
Capital Costs									
9600	G6	Construction	\$157,286	\$0	\$0	\$0	\$0	\$370,055	\$527,341
			\$157,286	\$0	\$0	\$0	\$0	\$370,055	\$527,341
Total (Non-Capital & Capital Costs)									
			\$157,286	\$0	\$0	\$0	\$0	\$370,055	\$527,341
Operations & Maint Costs									
6300	010	Commodities	\$23,592	\$24,692	\$25,272	\$25,924	\$26,671		
			\$23,592	\$24,692	\$25,272	\$25,924	\$26,671		

02-326 Emergency Vehicle AVL Federal Project **F-006**

Problem

This project will investigate and demonstrate an emergency vehicle preemption system using the signal control systems to preempt the signals rather than the individual intersection-based preemption now in use.

Solution

City of Mesa participate in federal project. Local portion of a cooperative federal aid project with Chandler, Tempe, and Gilbert.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
Capital Costs									
8100	011	City Share	\$10,485	\$0	\$0	\$0	\$0	\$0	\$10,485
			\$10,485	\$0	\$0	\$0	\$0	\$0	\$10,485
Total (Non-Capital & Capital Costs)									
			\$10,485	\$0	\$0	\$0	\$0	\$0	\$10,485

Public Safety

Project Detail

01-743

Fire Station 218

F-012

Problem

New fire station to provide service to Mesa due to annexations and infill growth (residential and industrial).

Solution

Construction of a new fire station.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
<i>Capital Costs</i>									
9600	G6	Land Acquisition	\$680,000	\$0	\$0	\$0	\$0	\$0	\$680,000
9600	G6	Design	\$192,709	\$0	\$0	\$0	\$0	\$0	\$192,709
9600	G6	Construction	\$0	\$0	\$0	\$0	\$0	\$4,963,581	\$4,963,581
9600	G6	Purchase	\$0	\$0	\$0	\$0	\$0	\$17,896	\$17,896
9600	G6	ISD	\$0	\$0	\$0	\$0	\$0	\$47,723	\$47,723
			\$872,709	\$0	\$0	\$0	\$0	\$5,029,200	\$5,901,909
<i>Non-Capital/Start-Up Costs</i>									
6300	011	Misc	\$0	\$0	\$0	\$0	\$0	\$97,358	\$97,358
			\$0	\$0	\$0	\$0	\$0	\$97,358	\$97,358
<i>Total (Non-Capital & Capital Costs)</i>									
			\$872,709	\$0	\$0	\$0	\$0	\$5,126,558	\$5,999,267
<i>Operations & Maint Costs</i>									
6300	011	Other Services	\$0	\$0	\$0	\$0	\$0		
6300	011	Commodities	\$0	\$0	\$0	\$0	\$0		
			\$0	\$0	\$0	\$0	\$0		

Public Safety

Project Detail

01-739 Fire Operations Center **F-018**
 (Administration, EMS, Personnel/Safety, Pub. Ed. & E.O.C.)

Problem

Need for construction of a facility for fire department office space and emergency operations center for the City.

Solution

Construction to include office space for emergency medical services, personnel and safety, emergency services, fire administration, instructional area, public education area, storage, and the emergency operations center for the City in this facility. Communication equipment to include UPS, Console furniture, Alternate route fiber communications feed, Telecommunications equipment, Television feed, Amateur radio equipment, 800 MHZ equipment.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
Capital Costs									
9600	G6	Design	\$157,286	\$0	\$0	\$0	\$0	\$0	\$157,286
9600	G6	Construction	\$0	\$3,515,941	\$2,719,783	\$0	\$0	\$0	\$6,235,725
9600	G6	Purchase	\$0	\$0	\$1,010,935	\$0	\$0	\$0	\$1,010,935
9600	G6	Constr. Admin	\$0	\$0	\$168,489	\$0	\$0	\$0	\$168,489
9600	G6	ISD	\$0	\$0	\$168,489	\$0	\$0	\$0	\$168,489
			\$157,286	\$3,515,941	\$4,067,697	\$0	\$0	\$0	\$7,740,924
Non-Capital/Start-Up Costs									
6300	010	Misc	\$0	\$0	\$258,349	\$0	\$0	\$0	\$258,349
			\$0	\$0	\$258,349	\$0	\$0	\$0	\$258,349
Total (Non-Capital & Capital Costs)									
			\$157,286	\$3,515,941	\$4,326,045	\$0	\$0	\$0	\$7,999,273
Operations & Maint Costs									
6300	010	Other Services	\$0	\$0	\$114,011	\$116,952	\$120,320		
6300	010	Commodities	\$0	\$0	\$9,547	\$9,793	\$10,075		
			\$0	\$0	\$123,557	\$126,745	\$130,395		

Public Safety

Project Detail

01-920

Remodel Fire Station 215

F -039

Problem

The fire station at Williams Gateway Airport (WGA) - 5945 S. Sossaman was inherited from the Air Force, when the military base closure occurred. WGA has provided written authorization for the City of Mesa to use the WGA owned land, at 5945 S. Sossaman to construct a new facility. The fire station is not equipped with a women's restroom/locker areas, fitness space, diesel exhaust removal system, decontamination area for medical equipment, adequate access to truck bays and functional living/work areas.

Solution

The building was originally constructed in 1955 and is in need of major renovation or replacement to be functional as a fire station. Evaluate the re-use of the structure, with interior/exterior renovations, to make the fire station functional or construct a replacement fire station on the site built to current standards. Provide women's restroom/lockers, fitness space, diesel exhaust removal system, decontamination area for medical equipment, adequate access to truck bays and functional living/work areas.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
<i>Capital Costs</i>									
9600	G6	Design	\$140,000	\$0	\$0	\$0	\$0	\$0	\$140,000
9600	G6	Construction	\$0	\$0	\$0	\$0	\$0	\$8,547,607	\$8,547,607
9600	G6	Purchase	\$0	\$0	\$0	\$0	\$0	\$38,402	\$38,402
9600	G6	ISD	\$0	\$0	\$0	\$0	\$0	\$68,806	\$68,806
			\$140,000	\$0	\$0	\$0	\$0	\$8,654,815	\$8,794,815
<i>Non-Capital/Start-Up Costs</i>									
6300	010	Misc	\$0	\$0	\$0	\$0	\$0	\$84,982	\$84,982
			\$0	\$0	\$0	\$0	\$0	\$84,982	\$84,982
<i>Total (Non-Capital & Capital Costs)</i>									
			\$140,000	\$0	\$0	\$0	\$0	\$8,739,796	\$8,879,796

Public Safety

Project Detail

01-733

Public Safety Training Facility – Phased Improvements: Special Operations and Training Office with adjoining classrooms.

F-040

Problem

Planned phased improvements at Police/Fire Training Facility. Currently there are no dedicated classrooms to support Special Operations or command/operations simulation training. Additionally, the current office configuration does not allow for staffing levels identified in this section's Five Year Strategic Plan. The growth of Police Training and the projected growth in Fire Training are not supported by the current building configuration. This is an ongoing project to improve and expand the facility at 40th Street location.

Solution

Project 3 – Office space sufficient to accommodate staffing levels set forth in Special Operations and Training's Five Year Strategic Plan (2002-2007) with adjoining classrooms dedicated to Special Operations and simulation training. These classrooms will include virtual reality training hardware and software capable of simulating dynamic real-time emergency scenes, driving simulation, and confrontation scenarios. This will include video simulation, radio communication integration, and audio-video recording of participant performance. With this technology, Fire and Police Personnel will be able to manage mock-emergency incidents at real City of Mesa structures and community areas. All classrooms will be electronically connected to allow for interoperability during simulations of mock disasters on a large scale. This facility would be available for citywide training on emergency Operations Center and Incident Command procedures. This will also include restrooms, storage, large break room with kitchen. Relocation of the existing portable classroom will be included in this project.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
Capital Costs									
9600	G6	Design	\$272,629	\$0	\$0	\$0	\$0	\$0	\$272,629
9600	G6	Construction	\$0	\$0	\$0	\$0	\$0	\$2,981,843	\$2,981,843
6300	010	Purchase	\$0	\$0	\$0	\$0	\$0	\$352,790	\$352,790
9600	G6	ISD	\$0	\$0	\$0	\$0	\$0	\$224,961	\$224,961
			\$272,629	\$0	\$0	\$0	\$0	\$3,559,595	\$3,832,224
Non-Capital/Start-Up Costs									
6300	010	Misc	\$0	\$0	\$0	\$0	\$0	\$12,509	\$12,509
			\$0	\$0	\$0	\$0	\$0	\$12,509	\$12,509
Total (Non-Capital & Capital Costs)									
			\$272,629	\$0	\$0	\$0	\$0	\$3,572,105	\$3,844,734
Operations & Maint Costs									
6100	010	Other Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0	\$0	\$0	\$0

Public Safety

Project Detail

05-021 Remodel Old Falcon Substation for Emergency Operations Center

F -053

Problem

The City of Mesa has long outgrown the limited Emergency Operations Center space in the basement of the main Police Station. When fully staffed for emergency support, the space is overcrowded and does not support efficient operations.

Solution

Move the Emergency Operations Center to the vacant Falcon Substation to provide the working space needed to run effective emergency operations for the City of Mesa.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
Capital Costs									
9600	G6	Construction	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000
9650	G6	Construction	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000
			\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000
Total (Non-Capital & Capital Costs)									
			\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000

Public Safety

Project Detail

Police

01-763 800 MHz Trunked Radio System Infrastructure

P-004

Problem

Mesa has partnered with the City of Phoenix to purchase replacement 800 MHz trunked radio systems that will make up a valleywide network. These systems will be used for valleywide roaming and interoperability by all police and fire personnel and units. In addition, they will provide radio systems for all of Mesa's other departments as well. Contracts have been let for the design of the systems that will make up the network by each city. The City of Mesa needs to upgrade current police communications system to 800 mhz system. FCC requires change to 800 mhz.

Solution

Mesa's system is designed to provide in-building coverage of all of Mesa. It's extended coverage will provide mobile coverage for Gilbert Fire and Apache Junction Fire District. It is designed to have adequate capacity to support Mesa through 2005, and it is expandable to provide capacity until 2015. The system uses six simulcast sites in Mesa, one simulcast site in Apache Junction (providing coverage to east Mesa and AJFD. Two non-simulcast sites support air operations across all of the east valley. It uses existing communications sites in Mesa which must be upgraded to house more equipment than the existing system.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
Capital Costs									
6100	010	Purchase	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000
			\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000
Total (Non-Capital & Capital Costs)									
			\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000

Public Safety

Project Detail

01-258

Technical Services Building

P-005

Problem

The Mesa Police Crime Lab has less than 1/3 of space it needs to grow and accommodate even existing services. The Lab has gone from six members to over 20, yet has added no new work space since moving to the Court building, at 245 W 2nd Street. Space needs recommended for Crime Labs by the national crime lab accreditation body indicates that about 25,000 square foot is required for the Mesa Crime Lab, projecting future growth.

Currently, Identification Services (ID) , another forensic lab operation, which deals with fingerprints and photographs, is housed separately from the Crime Lab. By moving ID Services, which is on the 2nd floor of the Police annex building, at 130 N. Robson, lab services can be combined in the same work space. This would give continuity to the important forensic services offered by the labs. It would also give the old ID space to Police Evidence, which needs that floor to accommodate the growing inventory of property and evidence it is handling.

Solution

Construct a new Technical Services Building to house the Crime Lab, Identification Services Lab within the Criminal Justice Complex.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
Capital Costs									
9650	G6	Design	\$1,456,407	\$0	\$0	\$0	\$0	\$0	\$1,456,407
6100	011	Construction	\$7,148,000	\$0	\$0	\$0	\$0	\$0	\$7,148,000
9650	G6	Construction	\$0	\$13,218,942	\$0	\$0	\$0	\$0	\$13,218,942
9650	G6	Purchase	\$0	\$2,194,943	\$0	\$0	\$0	\$0	\$2,194,943
9650	G6	Constr. Admin	\$313,949	\$299,390	\$0	\$0	\$0	\$0	\$613,339
9650	G6	ISD	\$0	\$119,349	\$0	\$0	\$0	\$0	\$119,349
			\$8,918,356	\$15,832,624	\$0	\$0	\$0	\$0	\$24,750,980
Non-Capital/Start-Up Costs									
6100	010	Misc	\$0	\$0	\$0	\$0	\$9,958	\$0	\$9,958
			\$0	\$0	\$0	\$0	\$9,958	\$0	\$9,958
Total (Non-Capital & Capital Costs)									
			\$8,918,356	\$15,832,624	\$0	\$0	\$9,958	\$0	\$24,760,938
Operations & Maint Costs									
6100	010	Other Services	\$0	\$290,742	\$297,575	\$305,252	\$314,044		
			\$0	\$290,742	\$297,575	\$305,252	\$314,044		

Public Safety

Project Detail

04-082 Chilled Water Line to Public Safety Campus

P -058

Problem

The downtown Police and Court buildings currently use chillers to provide facility cooling. Since the city now owns a chilled water plant, facility cooling via chilled water lines would be more economical than chiller capital and operation costs.

Solution

Extend the chilled water distribution system to the Mesa Public Safety Campus

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
<i>Capital Costs</i>									
6100	010	Design	\$45,000	\$0	\$0	\$0	\$0	\$0	\$45,000
5970	457	Construction	\$800,000	\$0	\$0	\$0	\$0	\$0	\$800,000
9650	G6	Construction	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$1,200,000
			\$2,045,000	\$0	\$0	\$0	\$0	\$0	\$2,045,000
<i>Total (Non-Capital & Capital Costs)</i>									
			\$2,045,000	\$0	\$0	\$0	\$0	\$0	\$2,045,000

Public Safety

Project Detail

04-853

Waterless Fire Suppression in the Public Safety Dispatch Center

P-063

Problem

The current Water Sprinkler system meets the minimal needs for fire suppression at this location, but if activated, would destroy vital communications equipment used by Police, Fire, and Utilities as well as degrade or destroy vital links to Public Safety in Gilbert, Apache Junction, and Phoenix.

Solution

The installation of a waterless fire suppression system will protect vital Public Safety Dispatch equipment from water damage and the associated system degradation that would occur from said water damage. The FM 200 Fire suppression system is a system designed to augment the present Sprinkler Water system installed at the Public Safety Dispatch (911) Center 161 E. 6th place. FM 200 operation provides fire suppression long before the Sprinkler Water system would activate and will eliminate water damage to 911 and Fire/Police electronic equipment. Damage to this electronic equipment would immediately disrupt Police, Fire, and Public Works communications in Mesa, Gilbert, and Apache Junction. In addition, loss of this equipment would degrade Phoenix and other area communications as this equipment room is a vital part of a much larger valley wide dispatch communications system, including Maricopa Association of Governments Region 911 equipment. To restore this communication system would require replacement of the water-damaged equipment, take 2 to 4 weeks, and cost 5 to 10 million dollars.

<i>Program</i>	<i>Fund</i>	<i>Activity</i>	<i>FY 06/07</i>	<i>FY 07/08</i>	<i>FY 08/09</i>	<i>FY 09/10</i>	<i>FY 10/11</i>	<i>Future</i>	<i>Totals</i>
Capital Costs									
9650	G6	Design	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000
9650	G6	Construction	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000
			\$440,000	\$0	\$0	\$0	\$0	\$0	\$440,000
Total (Non-Capital & Capital Costs)									
			\$440,000	\$0	\$0	\$0	\$0	\$0	\$440,000