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1.0 Introduction and Purpose

The purpose of this report is to provide an overview of existing and planned facilities for fire and police protection, parks and libraries in support of development of the strategic plan for the Mesa Gateway planning area. Information was obtained from City published documents and through interviews with department personnel.

2.0 Fire Protection

2.1 Existing

There are two existing fire stations that serve the planning area: Station 215 and Station 212. Station 215 is located on the Phoenix-Mesa Gateway Airport site. This site is the original facility previously used by the military at the airport. Station 212 is located in the northern portion of the study area at 2430 S. Ellsworth Road. Typically, the City of Mesa Fire Department considers call volume and distance from an existing station when determining need for additional facilities.

Within the unincorporated portion of the planning area, emergency response is provided by Rural Metro. 911 calls for addresses on County land are answered by the County Sheriff who then dispatches Rural Metro. However, the Mesa Fire Department has a mutual aid agreement that ensures that calls for emergency response, regardless of jurisdiction, are answered.

2.2 Future

Currently, the Fire Department defers to the City Master Plan for strategic recommendations. The Fire Department periodically develops service recommendations based on 4 minute response times to determine existing capacity and future needs. Strategic decisions are based on response times which are derived by determining demand (i.e. call volume) and distance from the existing station. Expansion of Fire Department facilities, including equipment and staffing, is dependent on available funding from the City and addressed through the regulatory process. Typically, funding for facilities and fire engines is provided for by bonds approved by voters through the election process. Funding for the associated operating costs is provided through the general fund and state-share revenues.

In a presentation regarding funding for all public safety (police and fire) improvement projects given in September, 2007 (attached as appendix), the cost for all capital projects totaled $171,931,792. This funding would be provided for through bonds, with all new bond debt supported by a secondary property tax. The cost for the first full year of operations and maintenance totaled $7,918,890. As mentioned above, it is important to note that O&M costs are funded differently than capital projects.

Given the large pockets within the planning area that are currently underserved and the potential for growth, the Fire Department is anticipating larger volumes and will be at full capacity at or before peak build out. There are five proposed fire stations in the planning area. The Fire Department has purchased four of five priority properties to
build stations on. Funding is available for design but not construction of these stations. Currently one of the sites (site 3) is in the design stage; the three remaining sites will likely be in the design stage in within the next two years pending the results of the bond election in November 2008.

Additionally, the Mesa Fire Department is also responsible for responding to fire and rescue emergencies including aircraft crashes at the Phoenix-Mesa Gateway Airport. The Transportation Security Administration (TSA) requires the Fire Department to meet established requirements with regard to aircraft crashes.

The City, in conjunction with the Fire Department, is looking at where additional sites should be planned.

Details regarding the planned stations and a map illustrating the location of the stations follow:

80th Street and Elliot - (Property Purchased)
Project Status: Proposed 2-acre Fire Station Specific Site
Facility Function: Fire, EMS and emergency response
Equipment Availability: 1, 1500 GPM fire truck
Personnel Staffing: 1 Captain, 1 Engineer, 2 Firefighters
Professional Skills: Firefighting, paramedic, hazardous materials first response

This facility will serve as fire station with staffing capable of handling initial mitigation of all emergencies and hazards.

Elliot and Signal Butte - (Property Purchased)
Project Status: Proposed
Facility Function: Fire, EMS and Emergency Response
Equipment Availability: 1, 1500 GPM fire truck
Personnel Staffing: 1 Captain, 1 Engineer, 2 Firefighters
Professional Skills: Firefighting, paramedic, hazardous materials first response

This facility will serve as fire station with staffing capable of handling initial mitigation of all emergencies and hazards.

Williams Field and Ellsworth - (Property Purchased)
Project Status: Proposed
Facility Function: Fire, EMS and Emergency Response. Possibly located within the proposed new passenger terminal complex on the east side of the runways (to be determined).
Equipment Availability: 1, 1500 GPM fire truck
Personnel Staffing: 1 Captain, 1 Engineer, 2 Firefighters
Professional Skills: Firefighting, paramedic, hazardous materials first response

This facility will serve as fire station with staffing capable of handling initial mitigation of all emergencies and hazards.

Pecos and Mountain - (Property Purchased)
Project Status: Proposed
Facility Function: Fire, EMS, Emergency Response, and Well Site. 2-acre Fire Station footprint.
Equipment Availability: 1, 1500 GPM fire truck
Personnel Staffing: 1 Captain, 1 Engineer, 2 Firefighters
Professional Skills: Firefighting, paramedic, hazardous materials first response

This facility will serve as fire station with staffing capable of handling initial mitigation of all emergencies and hazards.

**Crismon and Ray - (Not owned by the City at this time)**
Project Status: Proposed
Facility Function: Fire, EMS and emergency response
Equipment Availability: 1, 1500 GPM fire truck
Personnel Staffing: 1 Captain, 1 Engineer, 2 Firefighters
Professional Skills: Firefighting, paramedic, hazardous materials first response
The image is a map of the Mesa Fire Department's current and future stations. The map is color-coded with different shades of yellow and blue to distinguish between existing and future stations. Additionally, there are site purchases marked with the names of the streets where the stations are planned to be built. The map includes a legend that explains the color codes and the locations of the stations. The map also includes the names of the streets and the corresponding stations.
3.0 Police

3.1 Existing
There are currently two police stations that serve the planning area: a small station located at the Phoenix-Mesa Gateway Airport and a full-service station located near Baseline and Ellsworth Road. The station located at the airport serves only the airport and is currently not intended to support the surrounding community. The police department currently experiences a low call volume from within the study area. Police officers can operate remotely or on “beats” while away from the police station which allows them more flexibility when answering calls.

3.2 Future
Expansion of police facilities is largely dependent on population growth. The City of Mesa provides approximately 2 officers per every 1000 residents and bases the strategic development on population growth projections. A station is provided for approximately every 150 officers (or 75,000 population). Construction of new police facilities is financed via bond elections while equipment, staffing and other expenses are financed from general fund monies.

A second station at the Phoenix-Mesa Gateway Airport has been proposed (see map). It would be located on the east side of the airport adjacent to a proposed new fire station. Fire Station 215, located on the west side of the airport, will continue to provide space for the Police Department. Holding cells and additional facilities will be constructed with the second station on the east side of Phoenix-Mesa Gateway Airport. Fire station 215 does not include these types of police facilities. No other police stations are planned in the study area, as the area can be serviced by officers working their beats from the station near Baseline and Ellsworth Road.

There are currently no significant impediments or constraints to the police department servicing the study area.

The center portion of the planning area is under County jurisdiction and is not yet incorporated by the City of Mesa. This area is currently served by the County Sheriff. Upon annexation, the City of Mesa would address the service needs of this area.
4.0 Parks/Libraries

4.1 Existing
There are no City libraries and one existing park sited in the planning area. This park property is located at the corner of Elliott and Crismon Roads, but is currently undeveloped.

4.2 Future
Target areas have been established for future parks. Detail regarding these areas follows:

- A broad area (servicing the majority of the planning area) has been identified for a regional park.
- Two areas have been established as targets for metro parks; one in the northwest quadrant of the planning area and one in the northeast quadrant.
- A community park target has been established in an area which includes a small portion of study area in the northeastern corner.
- A recreational center park has been specified in the northeast corner of the planning area as well.
- Finally, a target area has been established for the addition of a public pool within the northeastern portion of the area.

One policy outlined in the Mesa General Plan recognizes the need to provide residents with public facilities through coordination with developers. This policy “encourages developers to provide community facilities and amenities in their projects that can be operated through ongoing user fees or assessments”. With target areas identified for the varying types of parks, coordination between the appropriate developers and the City may be more feasible as the area is developed.

The Master Library Facilities Plan For Mesa, AZ recommends the construction of new libraries for the City to meet their level of service standards. The Southeast Area Library would serve as the primary library for residents living south of Southern Avenue and east of Power Road. This library would be constructed in the vicinity of Ellsworth Road between Baseline and Guadalupe roads. This facility should be approximately 35,000 square feet because of the projected population in its primary service area. While not constructed in the planning area, this library would serve the planning area. Although not planned for construction at this time, this library has been given a high priority.
5.0 Summary of Findings

Key findings of this effort are summarized below:

- The respective departments are aware of the planning area and all have plans developed for servicing the area.

- Existing and planned facilities serving the project area include a total of three police stations, eight fire stations, an array of park facilities, and one library.

- The respective departments plan to finance construction, operation, and maintenance of their facilities using traditional funding sources.

- No particular issues of concern were identified with respect to fire, police, parks, or libraries in the planning area.
Appendix A – City of Mesa Public Safety Presentation
City of Mesa

Public Safety Capital Improvement
Priority Projects
September 13, 2007
Public Safety Capital Improvement Program

- Priorities based on needs of:
  - City demographics of 460,000
  - City limits of 132 square miles
- Projected public safety needs for the next five years
Public Safety Capital Improvement Package Includes:

- Joint Public Safety (Police and Fire) Capital Improvement Projects
- Police Capital Improvement Projects
- Fire Capital Improvement Projects
- All projects listed in priority order
Joint Public Safety Projects

1. Emergency Radio Communications System Upgrade
   • Interoperability/Regional
   • Changes in Technology/FCC Compliance
   • Capacity for future needs and growth
   • Current system in-service since 1998, most recent upgrade 2007
   • City-Wide Infrastructure and equipment
Joint Public Safety Projects

1. Emergency Radio Communications System Upgrade (continued)

- Total Capital Cost: $34,689,923
- First Full Year O&M: $329,562
Joint Public Safety Projects

2. Public Safety Communications and Emergency Operations Center

- Current site built in 1988 and is at capacity
- Maintain current standards and allow for growth
- Redundant site in event of infrastructure failure, natural or man caused disaster
- Current Emergency Operations Center is inadequate for City needs
Joint Public Safety Projects

2. Public Safety Communications and Emergency Operations Center (continued)

- Proposed eastside location to co-locate a fully operational Emergency Operations Center and 911 dispatch
- Total Capital Cost: $27,616,183
- First Full Year O&M: $677,034
3. Public Safety Training Facility Improvements

- Current site built in 1986, classrooms added in 1996
- Site used for police and fire recruits as well as ongoing training for public safety personnel
Joint Public Safety Projects

3. Public Safety Training Facility Improvements (continued)

- Additional classroom space needed for special operations and simulation training
- Office space needed for police and fire training personnel
- Regional Police Training Facility
- Total Capital Cost: $ 6,766,600
- First Full Year O&M: $ 230,064
Joint Public Safety Projects

4. Replacement of Fire Station 215 and Police Station

- Built in the 1950’s
- Will be built to current Fire Standards
- Office space to support Police operations
- Will service growing southeast area of the City
Joint Public Safety Projects

4. Replacement of Fire Station 215 and Police Station (continued)

- Aircraft Rescue Firefighting Oshkosh Striker (Cost Share with Williams Gateway) $1,025,845
- Total Capital Cost: $ 9,008,878
- First Full Year O&M: $ 106,090
Joint Public Safety Projects
Summary

1. Emergency Radio Communications System
   Upgrade $ 34,689,923
   First Full Year O&M $ 329,562

2. Public Safety Communications and Emergency Operations Center $ 27,616,183
   First Full Year O&M $ 677,034
Joint Public Safety Projects
Summary

3. Public Safety Training Facility
   Improvements $ 6,766,600
   First Full Year O&M $ 230,064

4. Replacement of Fire Station 215 and Police Station
   First Full Year O&M $ 9,008,878 $ 106,090

Total Joint Capital Improvement Projects $ 78,081,584
Total Joint First Full Year O&M $ 1,342,750
Police Capital Improvement Projects
Police Capital Improvement Projects

5. Replacement of Dobson Police Station

• Built in 1980/8,900 sq ft
• Police portion of facility is at capacity
• Increased capacity is needed to address community and future Police needs
• Total Capital Cost: $13,579,172
• Full Year O&M: $70,958
Police Capital Improvement Projects  
(continued)

6. Arraignment Center
- The Arraignment center will provide an organized and efficient processing of detainees through the justice system
- Ability to process more detainees
- Pima County Model
- Proposed Site: Previous City Court Building
Police Capital Improvement Projects
(continued)

6. Arraignment Center (continued)

- Multi-purpose building for city use (CompStat/Community Room)
- Relocate detectives to 2nd floor which will free up additional space for evidence storage
- Total Capital Cost: $16,397,784
- First Full Year O&M: $ 2,766,003
7. Police Aviation

- Useful life based on number of flight hours
- 1990 model over 17,000 flight hours
- 1996 model over 14,000 flight hours
- Total Capital Cost: $4,510,830
8. Center Against Family Violence Security Improvements

- Building acquired by the City in 1996
- Need security improvements for the safety of clients and Police personnel
- Total Capital Cost: $384,030
- First Full Year O&M: $5,305
9. Range Improvements

- Built in 1970
- Limited classroom (20 participants) and target area for firearms training
Police Capital Improvement Projects
(continued)

9. Range Improvements

- Used for basic, in-service and specialized training for Police personnel

- Total Capital Cost: $1,028,211
- First Full Year O&M: $82,367
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Cost</th>
<th>First Full Year O&amp;M</th>
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<tr>
<td>5. Replacement of Dobson Police Station</td>
<td>$13,579,172</td>
<td>70,958</td>
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<tr>
<td>6. Arraignment Center</td>
<td>16,397,784</td>
<td>2,766,003</td>
</tr>
<tr>
<td>7. Aviation Support</td>
<td>4,510,830</td>
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</tbody>
</table>
## Police Capital Improvement Projects Summary

8. Center Against Family Violence Security Improvements  384,030
   First Full Year O&M  5,305

9. Range Improvements  1,028,211
   First Full Year O&M  $82,367

Total Police Capital Improvement Projects: $35,900,027
Total Police First Year O&M:  $2,924,633
Additional Capital Improvement Projects for Council Consideration - Police

- New Eastside Police Station
- Future Eastside Holding Facility
Fire Department Capital Improvement Projects
Fire Capital Improvement Projects

10. Acquisition of Fire Apparatus

• Replacement based on Fire Department Standardized Plan

• Total Capital Cost: $14,057,547
Fire Capital Improvement Projects
(continued)

11. Construction of 3 New and one Replacement Fire Station

• Three new Fire Stations to respond to growth and community needs in west, central and east Mesa

• Total Capital Cost: $14,804,927

• First Full Year O&M: $ 3,085,502
Fire Capital Improvement Projects
(continued)

11. Construction of 3 New and one Replacement Fire Station (continued)

- Replacement of Fire Station 203 (University and Alma School) built in 1957
- Total Capital Cost: $4,885,773
Fire Capital Improvement Projects (continued)

12. Acquire Land for Four Future Fire Stations

• Increases in commercial and residential growth stretch the current resources of the Fire Department

• Strategically locate and purchase land for future Fire stations to ensure fire resources are planned for the area

• Total Capital Cost: $4,811,099
Fire Capital Improvement Projects
(continued)

13. Fire Operations Center

- Built in 1962, reuse former Fire Station 201 for Fire Operations and Fire Administration
- Fire Operations and Administration currently in leased space
- Total Capital Cost: $ 14,225,924
- First Full Year O&M: $ 141,281
14. Optical Pre-emption and Emergency Traffic Signal Equipment
   • Installed at City Intersections for the safe passage of emergency vehicles through intersections
   • Currently 58% equipped
   • Goal is to be 66% equipped
   • Total Capital Cost: $ 940,202
   • First Full Year O&M: $ 24,864
Fire Capital Improvement Projects
(continued)

15. Renovate five Fire Stations

- Renovations to improve functionality and community access to Fire Stations
15. Renovate five Fire Stations (continued)

- Improvements will include: infectious control decontamination area, diesel exhaust removal system, turnout storage, crew quarters and community rooms

- Total Capital Cost: $3,014,520

- Full Year O&M: $ 399,860
16. Public Safety Training Facility: Special Operations Fire Suppression Props

- Public Safety Training Facility built in 1986
- Current inventory is old and in poor condition
- Examples of props are vertical ventilation, confined space, building collapse and flammable liquid pit
- Total Capital Cost: $ 1,210,189
Fire Capital Improvement Projects

Summary

10. Acquisition of Replacement Fire Apparatus $14,057,547

11. Construction of 3 New and 1 Replacement (203) Fire Stations 19,690,700
   First Full Year O&M 3,085,502

12. Acquire Land for 4 Future Fire Stations 4,811,099
Fire Capital Improvement Projects
Summary (continued)

13. Fire Operations Center $14,225,924
   First Full Year O&M 141,281

14. Optical Pre-emption & Emergency
   Traffic Signal Equipment 940,202
   First Full Year O&M 24,864

15. Renovate Fire Stations 3,014,520
   First Full Year O&M 399,860
16. Public Safety Training Facility: Special Operations Fire Suppression Props $ 1,210,189

Total Fire Capital Improvement Projects $ 57,950,181
Total First Full Year O&M $ 3,651,507
Additional Capital Improvement Projects for Council Consideration - Fire

- Mesa City Plaza Firefighter Air Replenishment System
- Fire Maintenance/Resource Expansion Warehouse
- Renovations to Fire Station 208
- Future Fire Stations 221, 222 and 223
- Phased Improvements to the Public Safety Training Facility
Public Safety Capital Improvement Projects Summary

- Joint Police and Fire Projects $78,081,584
- Total First Full Year O&M $1,342,750
- Police Capital Projects $35,900,027
- Total First Full Year O&M $2,924,633
Public Safety Capital Improvement Projects
Summary (continued)

- Fire Capital Projects $57,950,181
- Total First Full Year O&M $3,651,507

- Total Public Safety Capital Projects $171,931,792
- Total First Full Year O&M $7,918,890
Questions?
City of Mesa

Public Safety and Transportation
Capital Improvement Priority Projects for November 2008 Bond Election
December 3, 2007
Capital Improvement Project Priorities

- Priorities based on needs of:
  - City population of 460,000
  - City limits of 132 square miles

- Projected public safety and transportation priority needs for the next five years

- Time frame: Fiscal Years 2008/09 - 2012/2013
Proposed Bond Questions

Total Bond Amounts:

- Public Safety: $178.1M
- Transportation: $230.5M
- Total Bonding Amount: $408.6M
Capital Improvement Project Priorities
Public Safety Projects

1. Emergency Radio Communications System Upgrade
2. Public Safety Communications and Emergency Operations Center
3. Public Safety Training Facility Improvements
4. Replacement of Fire Station 215 and Police Station
5. Replacement of Dobson Police Station
Capital Improvement Project Priorities

Public Safety Projects

6. Arraignment Center
7. Police Aviation
8. Center Against Family Violence Security Improvements
9. Range Improvements
10. Acquisition of Replacement Fire Equipment (includes 12-lead monitors)
Capital Improvement Project Priorities
Public Safety Projects

11. Construction of 4 New and 1 Replacement (203) Fire Stations
12. Acquire Land for 4 Future Fire Stations
13. Fire Operations Center
14. Optical Pre-emption & Emergency Traffic Signal Equipment
15. Renovate Fire Stations
16. Public Safety Training Facility: Special Operations Fire Suppression Props
Total Public Safety Capital Improvement

Project Costs: $178.1M

Total First Full Year O&M: $ 9.7M
Capital Improvement Project Priorities
Transportation Program Summary

- Total Bonded Transportation Projects:
  - RTP Bond Requirement: $168.6M
  - CIP Bond Requirement: $84.6M
  - Local Streets Sales Tax: $<22.7>M
  - Total Bonding Requirement: $230.5M
Total Bonded Transportation Project Reimbursements:

- RTP: $90.2M
- CIP Federal: $2.0M
- Total Cash from Streets Sales Tax: $22.7M

Total Program Value: $345.3M
Capital Improvement Project Priorities
Transportation

- 2025 Mesa Transportation Plan
- High growth areas and economic development
- IGA’s or partnerships
- Congestion and safety issues
- Regional Transportation Plan reimbursement within 5 years
Current city lane miles – 3,242
100 lane miles will be added from RTP projects
200 lane miles will be rehabilitated from RTP projects
Total of 10 RTP projects identified for acceleration with reimbursement outside the five-year period
Acceleration reduces the overall cost of the project by completing it earlier than scheduled to maximize the match
$21.2 million saved through acceleration
Capital Improvement Project Priorities

- Total Public Safety Projects: 17 $178.1M
- Total Transportation Projects: 46 $230.5M
- Total Bond Amount: $408.6M
City Council Direction

All new bond debt will be supported by secondary property tax
Questions?
Estimated Annual Cost to Property Owners

- Cost of secondary property tax to support the bond package on the average is:
  - $0.30 per $100.00 of assessed property valuation
    - $100,000 home - $30.00 annually
    - $250,000 - $75.00 annually