PURPOSE:

- To identify priorities and recommend appropriate timetables for construction, replacement and repair of FWFD facilities; and
- To guide the development of future City of Fort Worth planning efforts related to the funding of facility-related capital improvements for the Fire Department.

EXECUTIVE SUMMARY:

FWFD currently provides emergency response services from 42 fire stations. FWFD also has 10 facilities from which it operates the following support functions: Training (2), Vehicle Services & Supply (3), Arson & Bomb Investigations, Bomb Range, Communications, Air/Self-Contained Breathing Apparatus Shop, and Administration. Additionally, three FWFD units are housed in shared City facilities – Joint Emergency Operations Center (JEOC) in the Zipper building downtown; Backup emergency communications underneath W. 10th Street downtown, and the Bureau of Fire Prevention Inspections unit in City Hall, Lower Level.

Driving the need for future new or expanded FWFD facility projects are the following factors:

- The continued geographic and population growth of the city.
- The need to begin replacing or expanding older, smaller fire stations built in the 1960’s and early-1970’s that are becoming functionally inadequate as well as a maintenance burden after 40-50 years in operation.
- The opportunity to “build-out” shell space available at the new Public Safety Training Center Complex to further expand training capacities and to relocate other FWFD units to create operational efficiencies.
- The need to relocate and expand backup JEOC.

The following summarizes the department’s facility-related recommendations over the course of the next five years:

- Construct a new fire station along the Chisolm Trail Parkway corridor in southwest Fort Worth.
- Replace Fire Station 26 due to significant structural issues and other age-related maintenance challenges.
- Build-out Fire Training facility shell space to include additional training capacity and the relocation of other Fire Department activities.
- Construct a new fire station in the far north where response times lag national standards.
- Replace Fire Station 37, built in 1998 as a temporary facility.
- Purchase vacant property located adjacent to Fire Station 16 to allow for a larger facility to be constructed when capital funding is identified.
FIRE STATIONS:

The following map (Map #1) details the location and type of Fort Worth’s current 42 fire stations. A single company has a daily four-person staff with one fire apparatus. A double company has a daily eight-person staff with two fire apparatus.

Current Funded Projects Underway

- New Fire Station 42 in far south Fort Worth
- New Fire Station 43 in far west Fort Worth
- Relocating Fire Station 17 as part of Public Safety Training Complex campus

The City of Fort Worth’s 2014 Bond Program included a proposition dedicated to Fire Safety Improvements – which was approved. Fire Station 42 will be constructed in far south Fort Worth (near or on Spinks Airport). Fire Station 43 will be constructed in far west Fort Worth near or as part of the Walsh Ranch development. Both are scheduled for construction during this five year period in response to the city’s expanding geographic area and population growth areas in the far south and far west.
As part of the Public Safety Training Complex project, Fire Station 17 is being replaced and is scheduled to be relocated on campus and operational by the end of calendar year 2015. Fire Station 17 was originally constructed in 1966 and is a small, dated facility compared to newer stations. In addition to the need to replace this 50 year-old structure, it was also determined that a working fire station as part of the training complex would provide opportunities for enhanced training.

Replacement Recommendations

- Replace Fire Station 26 due to structural foundation issues
- Replace Fire Station 37 – originally constructed in 1998 as a temporary facility
- Purchase vacant property immediately adjacent to Fire Station 16

The age of the existing 42 fire stations varies greatly. The oldest facility was constructed in 1923 and the newest in 2012. Most facilities are in fair/good condition, however, there are two recommended for replacement within this five year period (Fire Stations 26 and 37) and several others that have been in service between 45-50 years that are recommended for replacement within the next 15 years (see Longer-Range Facility Plans section at the end of this document).

Another station (Fire Station 37) was constructed as a temporary station in a temporary structure in 1998. This station is also on the five-year plan for replacement.

The replacement of Fire Station 16 is part of the long-range facility replacement recommendations for the time period 2020-2030. There is currently, however, vacant property immediately adjacent to this facility that the department recommends be purchased as soon as feasible so that a larger facility can be constructed when funding is available for replacement.

New Fire Station Recommendations

- New Fire Station along Chisolm Trail Parkway corridor in southwest Fort Worth
- New Fire Station in Far North Fort Worth to address response time challenges

As the Chisolm Trail Parkway spurs development to the southwest, it is anticipated that an additional fire station will be needed along this corridor toward the end of this five year period.

Response time maps continue to highlight an area in the far north in which emergency response times lag national standards. An additional fire station in this area is also proposed.
Response Time Considerations

The map below (Map #2) shows estimated current Fire Department response times throughout the city utilizing GIS mapping tools.

The map below (Map #3) indicates estimated Fire Department response times after fire stations 42 (in far south Fort Worth) and 43 (in far west Fort Worth) are operational.
As visible in Map #3, the far south and far west areas of the city that in Map #2 indicated were a challenge to meet the five minute response goal are now green indicating 0-5 minute response times.

The orange and red areas in the northwest portion of the city (near Lake Worth and Eagle Mountain Lake) are primarily low-density vacant properties so immediate attention to these areas is not warranted.

The yellow, orange and red areas to the north are growth areas. The additional station noted above for the far north will improve response times in these areas.

**Public Safety Training Complex:**

In April 2015, the Fire Department relocated its Training and Administration Divisions to the new Bob Bolen Public Safety Training Complex (PSTC). This new campus greatly expands training capacities and includes a new burn tower and rescue diver training facilities. Also being added to the campus is the relocated Fire Station 17 which will further enhance training opportunities within a working fire station environment.

As part of this relocation effort, the previous fire training center at 1000 Calvert Street was vacated as were the department’s administrative offices in the Public Safety Building (1000 Throckmorton Street) downtown.

The Fire Training portion of the complex was constructed with shell space designed to allow for the future relocation of other Fire Department functions to maximize operational efficiencies.

**PSTC Build-Out Recommendations**

- Renovate PSTC shell space to allow for the relocation of additional Fire Department functions and for the creation of a new training simulation center.

Funding constraints prevented the PSTC from being fully built-out during the first phase of construction. Plans are developed to build-out the shell space left unfinished as soon as funding can be identified.

The following list of current and/or new activities have been identified as optimal utilization of the built-out shell space:
- Secure Primary Emergency Operations Center (relocation)
- Simulation Center for ICS Incident, Fire Apparatus Driving and other training
- Supply Warehouse (relocation)
- Indoor Physical Fitness Testing Center
- Arson and Bomb Evidence Storage Warehouse (relocation)
- Indoor Response Trailer and High Value Asset Storage
- Personal Protection Equipment Repair and Cleaning Center (relocation)
- Minor Repair Shop (relocation)
- Shelter Materials and OEM Storage (relocation)
- Secondary Utility/Light and Air Response Station

Longer-Range Facility Plans:

Looking beyond the five-year window upon which this master plan is focused, the department has identified the following list of project recommendations for the next 10 year period (2020 – 2030). All can be currently justified; however, funding constraints will require a more deliberate, phased-in approach to accomplishing.

- Several smaller fire stations constructed in the 1960’s and early-1970’s are becoming functionally inadequate as well as a maintenance burden after 40-50 years in operation. The following stations are in the next wave recommended for replacement:
  - Fire Station 4
  - Fire Station 16 (recommend pursuing vacant adjacent property as soon as feasible to allow for larger facility at same location when funding allows)
  - Fire Station 28
  - Fire Station 15
  - Fire Station 22
  - Fire Station 21
  - Fire Station 40

- Replacement of Fire Stations 44 and 25 - Fire Station 44 is dedicated to Meacham Airport and located on airport property. Fire Station 25 is located just outside airport property and services the neighboring communities. Both stations are in need of replacement due to structural damage to the walls and floors. Replacing these two stations with one joint ARFF station is recommended.

- Reserve Apparatus Building – A reserve building to house reserve Fire apparatus is needed. Currently, reserve apparatus are being parked outdoors. To avoid damage caused by exposure to weather, an indoor facility is recommended. (Property already owned adjacent to Fire Station 5 could be utilized as a site)
- Bomb Range – A new facility dedicated to the unique training functions of the department's arson and bomb units is recommended.
- Monitor and prepare for one or two more fire stations in far west Fort Worth as Walsh Ranch and other significant development is anticipated to occur.

5-Year Plan Summary:

<table>
<thead>
<tr>
<th>Planning Item / Project Name</th>
<th>Approx. Cost</th>
<th>Short Description</th>
<th>FY16</th>
<th>FY17</th>
<th>FY18</th>
<th>FY19</th>
<th>FY20</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Fire Station Along Chisolm Trail Parkway in SW Fort Worth</td>
<td>$6,000,000</td>
<td>Due to anticipated significant growth along the SW corridor due to the Chisolm Trail Parkway completion, a new fire station is recommended (to include new fire apparatus).</td>
<td></td>
<td>$3,000,000</td>
<td>$3,000,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Replace Fire Station 26</td>
<td>$5,000,000</td>
<td>Due to significant structural issues and other age-related maintenance challenges, replacement of this station is recommended.</td>
<td></td>
<td>$2,500,000</td>
<td>$2,500,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Build-Out Shell Space at Public Safety Training Complex</td>
<td>$9,000,000</td>
<td>New Public Safety Training Center Complex was built with shell space for future expansion allowing for enhanced training and relocation of several existing activities to create operational efficiencies.</td>
<td></td>
<td>$3,000,000</td>
<td>$3,000,000</td>
<td>$3,000,000</td>
<td></td>
</tr>
<tr>
<td>New Fire Station in Far North Fort Worth</td>
<td>$6,000,000</td>
<td>Due to existing response time challenges in this growing sector of the city, a new fire station is recommended to the west of I-35/287 intersection (to include new fire apparatus).</td>
<td></td>
<td>$3,000,000</td>
<td>$3,000,000</td>
<td>$3,000,000</td>
<td></td>
</tr>
<tr>
<td>Replace Fire Station 37</td>
<td>$5,000,000</td>
<td>Built in 1998 as a temporary facility, a permanent structure is needed.</td>
<td></td>
<td>$2,500,000</td>
<td>$2,500,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Purchase Vacant Property Adjacent to Fire Station 16</td>
<td>$250,000</td>
<td>Fire Station is a small, aging structure that will require replacement at some further point in the future. Purchasing vacant property adjacent to this station will allow for a larger structure to be built when funding for the station replacement is identified.</td>
<td></td>
<td>$250,000</td>
<td>$3,000,000</td>
<td>$14,000,000</td>
<td>$14,000,000</td>
</tr>
<tr>
<td>TOTALS</td>
<td>$31,250,000</td>
<td></td>
<td></td>
<td>$ -</td>
<td>$250,000</td>
<td>$3,000,000</td>
<td>$14,000,000</td>
</tr>
</tbody>
</table>

Does not include funded, currently in process projects (new Fire Stations 42 & 43 and relocated Fire Station 17)

Attachment A provides a listing with a picture, location and date of construction for every Fort Worth Fire Department Facility.
Fire Station #1 - 120 N. Pecan Street  
Built: 1979  
Council District #9

Fire Station #2 - 1000 Cherry Street  
Built: 1929  
Council District #9

Fire Station #3 - 4700 Ramey Street  
Built 1980  
Council District #5

Fire Station#4-2950 Old Mansfield Road  
Built: 1971  
Council District #8
APPENDIX A

Fire Station#5 - 850 Irma Street
Built: 2012
Council District #8

Fire Station#6 - 205 University Street
Built: 1963
Council District #9

Fire Station#7 - 925 Morrison Drive
Built: 1979
Council District #5

Fire Station#8 - 1101 12th Avenue
Built: 2006
Council District #9
Fire Station #9 - 2575 Polaris Drive
Built: 1977
Council District #4

Fire Station #10 - 3209 Hemphill Street
Built: 1983
Council District #9

Fire Station #11 - 1900 Texan Drive
Built: 2009
Council District #7
APPENDIX A

Fire Station #12 - 120 N.W. 22nd Street
Built: 1980
Council District #2

Fire Station #13 - 5333 Lea Crest Lane
Built: 1979
Council District #2

Fire Station #14 - 2737 Meadowbrook Drive
Built: 1983
Council District #8

Fire Station #15 - 3100 Azle Avenue
Built: 1966
Council District #2
Fire Station #16 - 5933 Geddes Avenue
Built: 1965
Council District #2
Fire Station #17 - 212 W. Felix Street
Built: 1966
Council District #9

Fire Station #18 - 1908 Carleton Avenue
Built: 1923
Council District #7

Fire Station #19 - 2613 Carnation Boulevard
Built: 1981
Council District #9

Fire Station #20 - 901 Woodhaven Boulevard
Built: 1983
Council District #4
Fire Station #21 - 3501 South Hills Drive
Built: 1968
Council District #3

Fire Station #22 - 4849 Wilbarger Street
Built: 1963
Council District #5

Fire Station #23 - 3201 Portales Drive
Built: 1981
Council District #3

Fire Station #24 - 3101 Forest Avenue
Built: 1988
Council District #5
Fire Station #25 - 3801 N. Main Street
Built: 1983
Council District #2

Fire Station #26 - 6124 S. Hulen Street
Built: 1968
Council District #6

Fire Station #27 - 2940 Precinct Line Road
Built: 2010
Council District #5

Fire Station #28 - 1300 Everman Parkway
Built: 1971
Council District #8
APPENDIX A

Fire Station #29 - 6400 Westcreek Drive
Built: 1980
Council District #6

Fire Station #30 - 4416 Southwest Boulevard
Built: 1983
Council District #3

Fire Station #31 - 4209 Longstraw Drive
Built: 1986
Council District #4

Fire Station #32 - 10201 White Settlement Road
Built: 1986
Council District #3
APPENDIX A

Fire Station #33 - 14650 Statler Boulevard
Built: 1988
Council District #5

Fire Station #34 - 834 Blue Mound Road
Built: 2009
Council District #7

Fire Station #35 - 2201 Flight Line Road
Built: 1993
Council District #7

Fire Station #36 - 5045 Columbus Trail
Built: 1999
Council District #6
Fire Station #37 - 4721 Ray White Road
Built: 1998
Council District #7

Fire Station #38 - 13280 Park Vista Boulevard
Built: 2007
Council District #7

Fire Station #39 - 7655 Oakmont Boulevard
Built: 2003
Council District #3

Fire Station #40 - 8510 Spring Street
Built: Unknown
(City Assumed Ownership in 2000)
Council District #7
Fire Station #41 - 11400 Willow Springs Road
Built: 2009
Council District #7

Fire Station #44 - 4017 Falcon Way West
Built: 1962
Council District #2

Self-Contained Breathing Apparatus Shop –
400 Grand Avenue
Built: 1954
Council District #2

Public Safety Communications Center –
3000 W. Bolt Street
Built: 1993
Council District #9
Fire Supply - 2900 W. Bolt Street
Built: Unknown
(City Assumed Ownership in 1988)
Council District #9

Fire Tire Shop - 2950 W. Bolt Street
Built: Unknown
(City Assumed Ownership in 1988)
Council District #9

Fire Vehicle Services - 2920 W. Bolt Street
Built: Unknown
(City Assumed Ownership in 1988)
Council District #9
Fire Training
Bob Bolen Public Safety Complex
509 W. Felix Street
Built: 2015
Council District #9

Fire Burn Tower
Bob Bolen Public Safety Complex
Hemphill Street
Built: 2015
Council District #9
Fire Investigations
715 Texas Street
Built: 1929
Council District #9

Joint Emergency Operations Center
Zipper Building

Bureau of Fire Prevention
City Hall / Lower Level
APPENDIX A

Backup Emergency Communications Center
Beneath W. 10th Street / Under City Hall

FWFD Bomb Range
10300 Jacksboro Highway