

# FORT WORTH FIRE DEPARTMENT (FWFD) FACILITIES AND CAPITAL MASTER PLANS FY2023 - FY2027

## PLAN PURPOSE

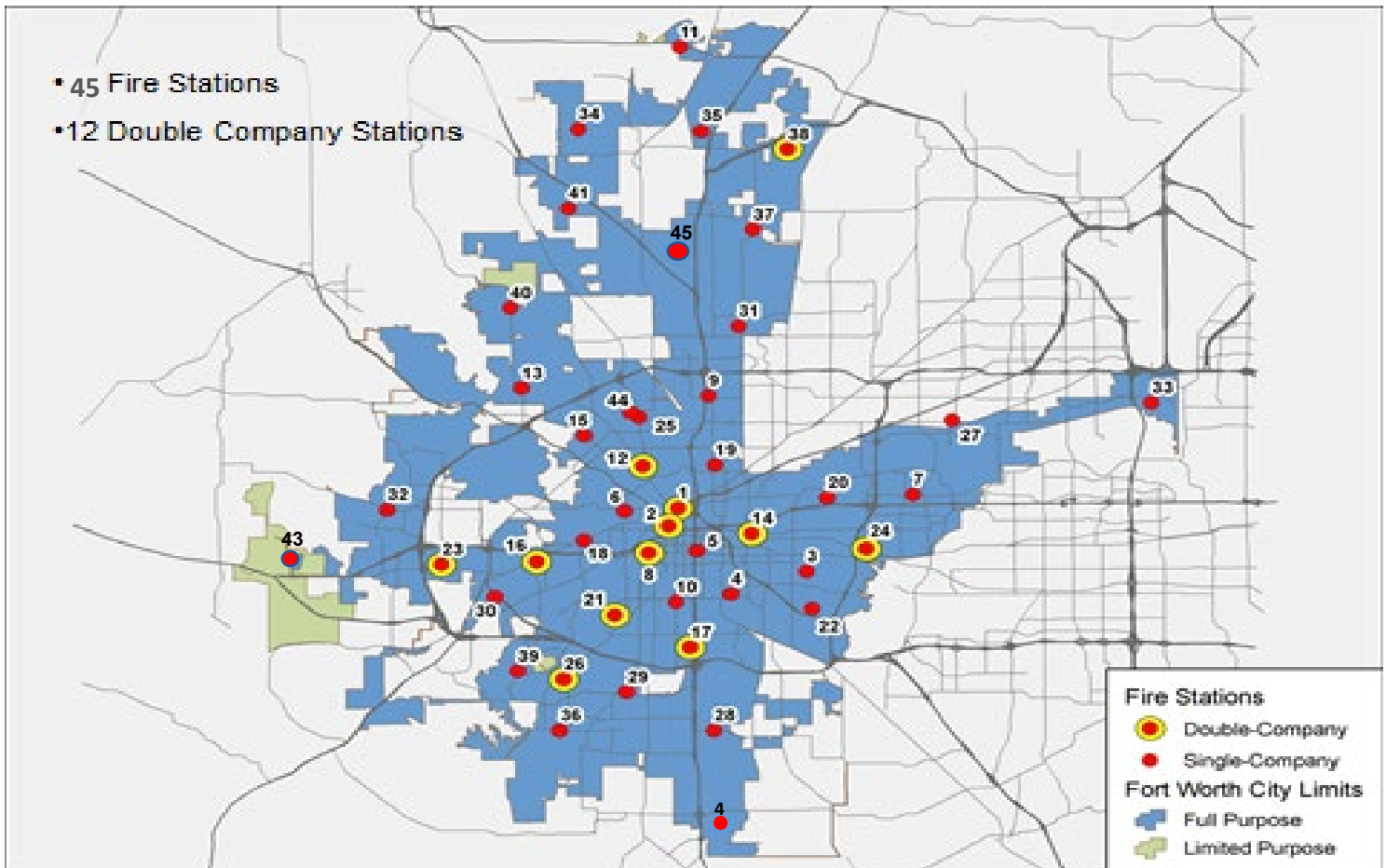
- To identify current and future facility and capital needs for the Fort Worth Fire Department (FWFD)
- To identify priorities and recommend appropriate timetables for capital purchases as well as the construction, replacement, and repair of FWFD facilities; and
- To guide the development of future City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

## FACILITIES PLAN – CURRENT FACILITIES

FWFD currently provides emergency response

services from 45 fire stations as shown in the map below. Single company stations typically have 4-personnel while double company have 8 personnel.

FWFD also has 13 facilities from which it operates the following support functions: Training (2), Vehicle Services & Supply (4), 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.



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Select fire stations also include a battalion chief for each of the 7 battalion districts across the city.

## FACILITY NEEDS – NEXT 5 YEARS

Driving the need for new or expanded FWFD facility projects in the future 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 50-60 years in operation.
- The opportunity to “build-out” shell space available at the new Public Safety Training Center Complex to further expand training capabilities and to relocate other FWFD units to create operational efficiencies.
- The need to eventually relocate the Joint Emergency Operations Center (JEOC) due to expected downtown redevelopment.

The following summarizes the department's existing and proposed facility-related projects and recommendations over the next five years:

- Replace Fire Station 37 that was built in 1998 as a temporary facility as part of the 2022 Bond Program.
- Replace Fire Station 16 as part of the 2022 Bond Program.
- Replace Fire Station 26 due to significant structural issues and other age-related maintenance challenges as part of the 2018 Bond Program.
- Construct a new fire station along the Chisolm Trail Parkway (i.e., FS #46) in southwest Fort Worth on land previously secured by the City of Fort Worth

(Candidate project for the 2026 Bond Program). As the Chisolm Trail Parkway spurs development to the southwest, it is anticipated that an additional fire station will eventually be needed along this corridor. Developments already in place include phase 1 of the new Tarleton State University-Fort Worth campus as well as numerous retail, commercial, and residential development. Additional development is expected to continue as building permit activity continues to be strong in this area of the city and Tarleton State plans additional phases of campus development.

- Replace Fire Station 12 that was previously considered for the Station Refurbishment Program. Construct as a 2-story on the existing site due to site constraints, or build as a 1-story at new location (Candidate project for the 2026 Bond Program).
- Replace Fire Station 21 that was previously considered for the Station Refurbishment Program. Construct on adjacent property and use existing site for parking (Candidate project for the 2026 Bond Program).
- Replace Fire Station 40 that was previously considered for the Station Refurbishment Program. The existing station and property are too small as it was originally built and operated by the Eagle Mountain Fire Dept. prior to the City of Fort Worth's Lake Country Estates Annexation. The recommendation is to rebuild this station at a new location nearby. (Candidate project for the 2026 Bond Program).
- Build-out Fire Training facility shell space to include additional training capacity and the relocation of other Fire Department activities when capital funding is identified (Candidate project for future tax note sale)

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- Replacement of Fire Stations 44 & 25 - Fire Station 44 is dedicated to Meacham Airport and located on airport property. Fire Station 25 is located just outside airport property and serves the neighboring community. Both stations need replacement due to structural damage to the walls and floors. Replacing these two stations with one joint ARFF station is recommended (Candidate project for FAA Grants and 2026 Bond Program). **With respect to FWFD, the preceding projects (Fire Stations 12, 21, 40, 46) are much higher priorities than the replacement of FS's 25 & 44 for consideration in the 2026 Bond Program.**
- Station Refurbishment Project – Several smaller fire stations constructed in the 1960's and early-1970's are becoming functionally inadequate as well as a maintenance burden after 50-60 years in operation. The following stations are recommended for major refurbishment to extend the useful life of these facilities:
  - Fire Station 4
  - Fire Station 28
  - Fire Station 22
  - Fire Station 14
  - Fire Station 24
- 1. The above stations lack adequate facilities to accommodate female firefighters and could

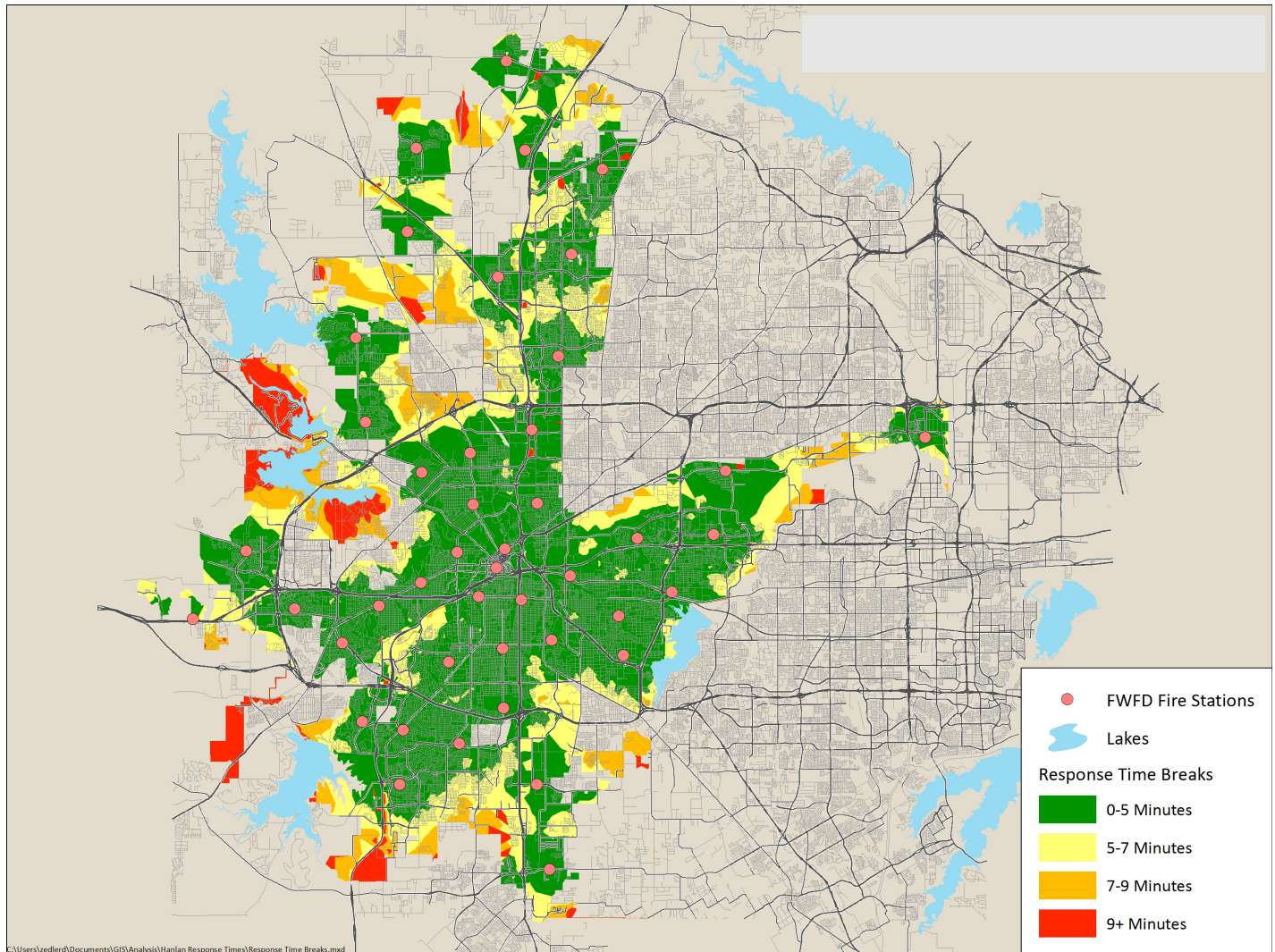
thus benefit from improvements to restrooms and rest areas.

2. These stations are also in need of modifications to address cancer prevention efforts (i.e., extractors, exhaust systems, ice machine, isolation of contaminated PPE in a decontamination room, separate storage for clean PPE, etc.)
3. Upgrade to current city codes such as energy efficiency (i.e., HVAC, windows, plumbing, etc.) and implement xeriscaping to minimize water use and landscape maintenance needs and costly equipment.
4. Typical remodel improvements such as flooring, painting, roofing, kitchen upgrades, and bathroom upgrades would also be included.

## Response Time Considerations

The map below indicates estimated Fire Department response times for all existing 45 fire stations. As visible in this map, the far southwest and near northwest (around Lake Worth) areas of the city have red areas with response times greater than 10 minutes. The red areas in the far southwest will be resolved with the eventual opening of the future Fire Station 46 in the Chisholm Trail corridor. 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.

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## Bob Bolen 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 expanded training capacities and included a new burn tower and dive rescue training facilities. Also added to the campus was the relocation of Fire Station 17, which further enhanced training opportunities within a working fire station environment. 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.

## Bob Bolen Build-Out Recommendations

- Renovate PSTC shell space to allow for the relocation of additional Fire Department functions to improve operational efficiencies 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 being developed to



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build-out the shell space as soon as funding can be identified. The following list of current and/or new activities have been

identified as optimal utilization of the shell space.

- *Simulation Center for various training programs such as ICS Incident and Fire Apparatus Driving*
- *Supply Warehouse (relocation and partially designed)*
- *Arson/Bomb Evidence Storage Warehouse (relocation complete and funded with CCPD)*
- *Arson/Bomb Division office and living quarters (relocation that could be funded via CCPD and is partially designed)*
- *Personal Protection Equipment Repair & Cleaning Center (relocation and partially designed)*
- *Minor Repair Shop and Secondary Utility/Light and Air Response Station*

- 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 as could existing facilities

on Bolt Street should Supply and the PPE gear cleaning/repair functions get relocated to Bob Bolen)

- Bomb Range – A new facility dedicated to the unique training functions of the department’s arson and bomb units is recommended.

## CAPITAL PLAN EXECUTIVE SUMMARY

This Capital Master Plan details the department’s capital purchase requirements for the next five years to be utilized in the development of funding plans. The following summarizes the department’s capital purchase needs:

- Continued implementation of annual Fire Apparatus Replacement Plan at an annual cost of approximately \$11 million to \$13 million. The FWFD apparatus replacement plan began in 1999 and is designed to provide consistent, scheduled replacement of front-line emergency response apparatus to avoid crisis replacement that would

require emergency funding and to maintain a safe and efficient apparatus fleet.

- Replacement of electric generators at 31 fire stations at a cumulative cost of up to \$6.2 million (\$200,000/station). A combination of city capital funding to secure a future Hazard Mitigation Grant Program (HMGP) grant is recommended. This need became evident during the 2021 Winter Storm when these 31 stations had deficient generators to keep the truck rooms warm enough to keep apparatus pump systems from freezing.
- Creation of a simulation lab for use at the Bob Bolen Public Safety Training Complex to include fire apparatus driving, incident command and other training programs at a cost of approximately \$500,000.

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## APPARATUS PURCHASE PLAN BY YEAR

Year	#	Type	Unit Cost	Total
2023	8	Engines	\$969,140.18	\$7,753,121.44
	2	Aerial	\$1,506,893.57	\$3,013,787.14
	1	Specialty	\$1,752,623.35	\$1,752,623.35
	1	Brush	\$223,726.48	\$223,726.48
<b>TOTAL</b>				<b><u>\$12,743,258.41</u></b>

2024	8	Engines	\$1,000,508.60	\$8,004,068.80
	2	Aerial	\$1,589,605.25	\$3,179,210.50
	1	ARFF	\$1,849,700.20	\$1,849,700.20
	1	Brush	\$231,375.40	\$231,375.40
<b>TOTAL</b>				<b><u>\$13,264,354.90</u></b>

2025	8	Engines	\$1,032,892.32	\$8,263,138.56
	2	Aerial	\$1,676,856.87	\$3,353,713.74
	1	Specialty	\$1,952,154.07	\$1,952,154.07
	1	Brush	\$231,375.40	\$231,375.40
<b>TOTAL</b>				<b><u>\$13,800,381.77</u></b>

2026	8	Engines	\$1,066,324.22	\$8,530,593.76
	2	Aerial	\$1,768,897.64	\$3,537,795.28
	1	Specialty	\$2,060,282.81	\$2,060,282.81
	1	Brush	\$231,375.40	\$231,375.40
<b>TOTAL</b>				<b><u>\$14,360,047.25</u></b>

(This list does not include vehicle replacement needs funded through the VEF (Vehicle Equipment Replacement Fund) such as sedans, pickup trucks, trailers, etc.

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**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**





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**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 12<sup>th</sup> Avenue  
Built: 2006  
Council District #9**

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**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**



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**Fire Station #12 - 120 N.W. 22<sup>nd</sup> 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**



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**Fire Station #16 - 5933 Geddes Avenue  
Built: 1965  
Council District #2**

**Fire Station #17 – 5151 Hemphill  
Built: 2015  
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**





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**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 Street  
Built: 1975  
Council District #3**



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**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**





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**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**



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**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**

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**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**

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**Fire Station #41 - 11400 Willow Springs  
Road  
Built: 2009  
Council District #7**



**Fire Station #42 - 450 E. Rendon Crowley Road  
Built: 2018  
Council District #6**

Fire Station #43 is currently in temporary facilities next to the Cook Children's Clinic at Walsh Ranch. The temporary station opened in September 2021 to serve the growing needs of far west Fort Worth. The permanent station was funded as part of the 2014 Bond Program and is currently projected to open in the fall of 2024 at the southwest corner of Walsh Ranch Parkway and Walsh Avenue.

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





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**Fire Station #45 – 1901 Quail Grove Drive  
Built: 2022  
Council District #4**



**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**

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**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 St**  
**Built: Unknown**  
**(City Assumed Ownership in 1988)**  
**Council District #9**



**Bob Bolen Public Safety Complex**  
**505 W. Felix Street**  
**Built: 2015**  
**Council District #9**



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**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**

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**Bureau of Fire Prevention  
City Hall / Lower Level**



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



**FWFD Bomb Range  
10300 Jacksboro Highway**