

Fire Station Relocation – Station #4

Category: Fire & Emergency Services

Location: McElroy Road, near
McDonough Road

Estimated Cost: \$2,405,160

Project Description

Current facilities are not conducive to maintaining the work environment required for a modern Fire & EMS operation. This station currently has roof leaks in multiple areas affecting the bays and bunk room areas. The station was originally equipped with a sump/trap bay drain system. This bay drain system was ineffective in removing water and allows stagnant water to sit thus creating a health hazard and has since been abandoned and sealed for the betterment of all parties.

Station #4 covers 12.31 sq. miles of a fire response territory. Medic 4 covers 27.5 sq. miles of EMS territory. Units responding from #4 make up 19% of the annual responses. Within this territory there are three designated state highways, the largest recreation complex within the county hosting football, soccer, baseball and softball along with the densest population for EMS response. This territory is primarily east of Fayetteville to the Clayton County line. From the current station location (175 Johnson Avenue) the fire engine (Engine 4) must respond 3-4 minutes to reach the edge of the majority of the assigned response area. The current location was never a good location but was the result of a volunteer system with donated land. The new location better serves all the citizens as demonstrated by analytical data using GIS maps and geocoding where incidents occur.

Existing Conditions

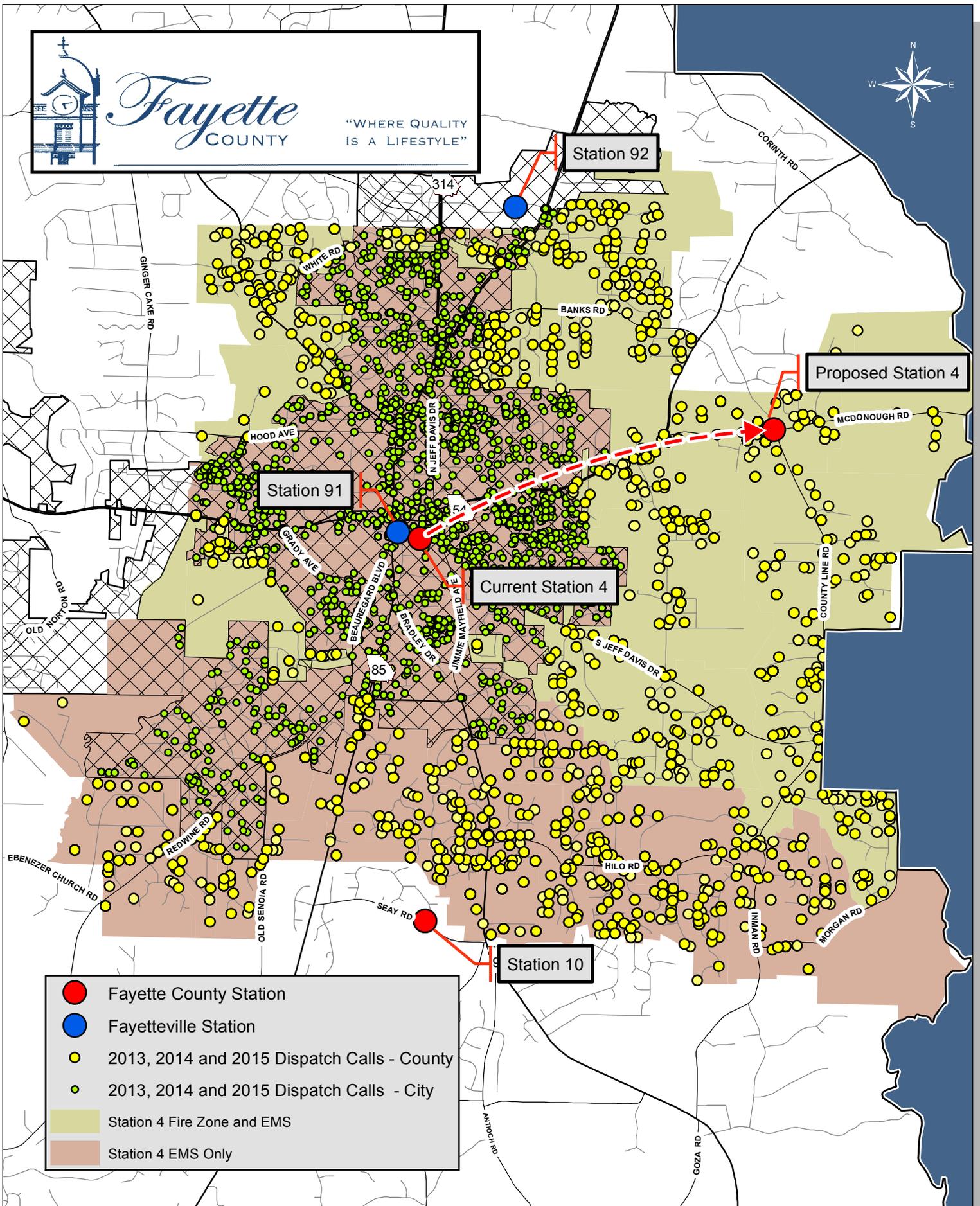


Fire Station #4 on Johnson Avenue was constructed in 1978 as a fire and EMS facility for use by volunteers. Additional space was added in 1982 to house the 911 Center and Fire & EMS Headquarters. This building now houses Fire Station #4 and the Public Defender's office. The station was originally not designed to house the number of apparatus or personnel currently assigned and have been remodeled on numerous occasions.

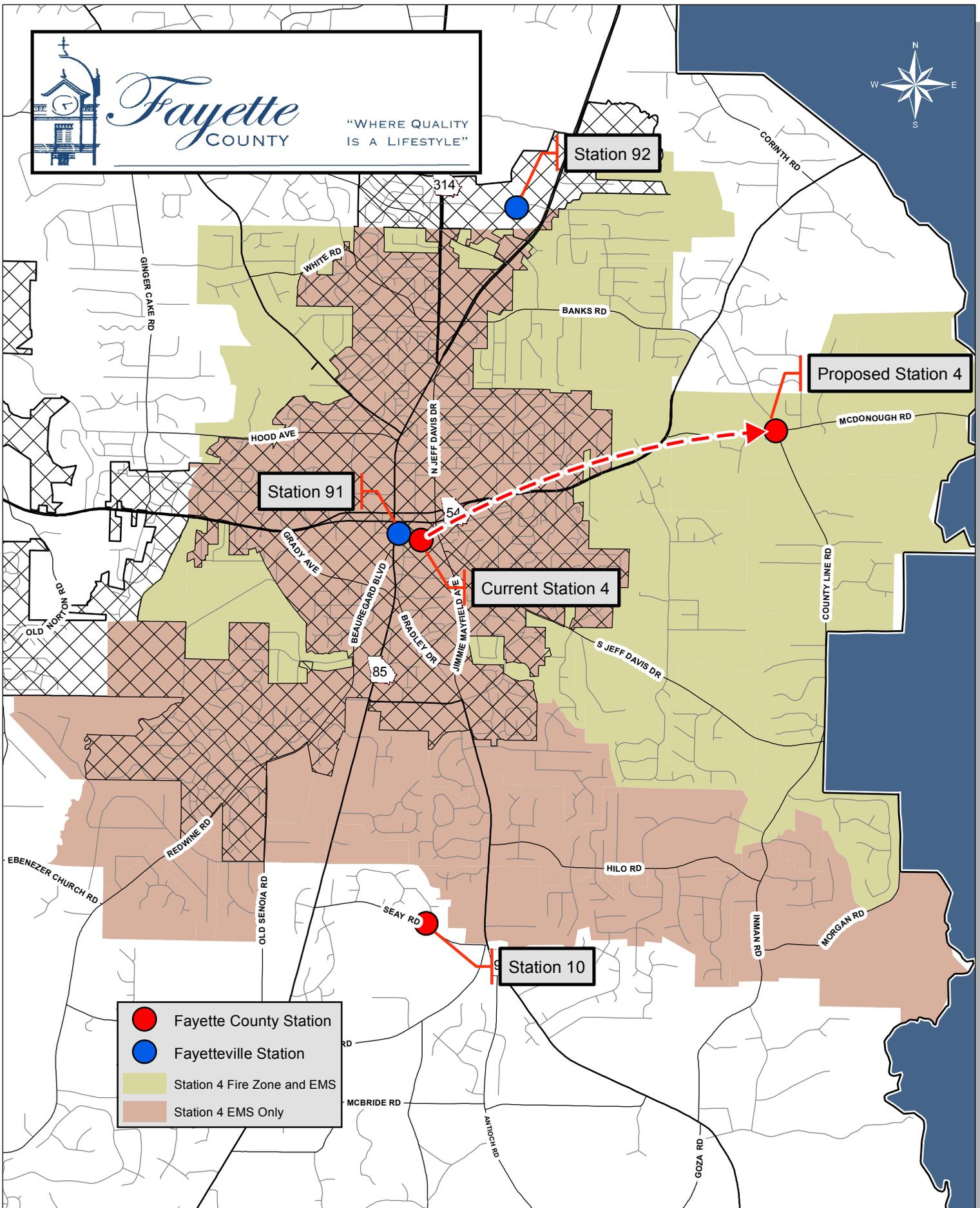
Proposed Project



The proposed location will strategically place the station in the best location to achieve the recommended response times to all locations within the territory. The new station site is on McElroy Rd. near the McDonough Rd. intersection. Access to the recreation areas will be within 2-3 minutes from the new location and this location will allow for timely responses to all portions of the Station 4 fire & EMS territory with good access to the east bypass road for responses to the north/south ends of the county.



SPLOST 2017 Fire & EMS 2013-2015 Dispatch Calls within Station 4 Zone



SPLOST 2017 Fire Station 4

Replacement Fire Pumper

Category: Fire & Emergency Services

Estimated Cost: \$394,070

Project Description

Replacement of a 1991 Emergency One Pumper, fleet vehicle # 93251 with a modern Custom Cab pumper. At 25 years old this unit has served Fayette County very well. This unit is experiencing some long term downtime based on maintenance issues with the fire pump, transmission and motor. Due to the availability of parts the air conditioning on this unit was deemed non-repairable several years ago.

The replacement for this unit would be of similar design and function and meet the current standards as established by the National Fire Protection Association. For firefighter safety it is equipped with a fully enclosed custom cab. To meet the firefighting demands of the County it will be equipped with a 1500 gallon per minute pump, 750 gallon on-board water tank, fire hose capacity of 1100' of 4" hose, 400' of 1.75", and ground ladders of 24', 14', and 10' in length. This pumper would be equipped with medical supplies and equipment to respond to all medical calls in the assigned area.

Existing Conditions



1991 Emergency One Fire Pumper

Proposed Project



Custom Cab Fire Pumper

Fire Training Center & Contingency

Category: Fire & Emergency Services

Location: Links Training Facility

Estimated Cost: \$150,770

Project Description

The first phase of this project is the initial design of the utilities, (water lines/power), road layout, and the site development plan for the future construction.

The current fire training facility begins in 1984 with the construction of the fire training building. The site also houses a training tower and portable classroom building.

Additional design phases in the future would include a modern fire training building with training tower, driver training site, pump training site, LP/natural gas training area, vehicle extrication area, breathing apparatus course, and storage building for required equipment and apparatus.

Existing Conditions



Proposed Project



FIRE & EMERGENCY SERVICES

Benefits

- Improve the service delivery to the Station 4 response area.
- Replacement of an aging unit that has greatly increased maintenance costs and has unrepairable components.
- Provide a modern fire and EMS training facility for emergency responders.

Needs Assessment

Fire & Emergency Services has allocated their SPLOST portion to fund three proposed projects.

Fire Station Relocation – Station #4	\$2,405,160
Replacement Fire Pumper	\$394,070
Fire Training Center & Contingency	\$150,770
SPLOST Allocation Portion	\$2,950,000

Fire Station Relocation – Station #4

Purpose: The purpose of this project is to re-locate and reconstruct Fire & Emergency Services Station #4.

Objective: Improve the service delivery to the Station 4 response area. To provide appropriate space to house personnel and apparatus to meet the demands of the community to best serve the citizens and build a facility which will have a life expectancy of at least 50 years.

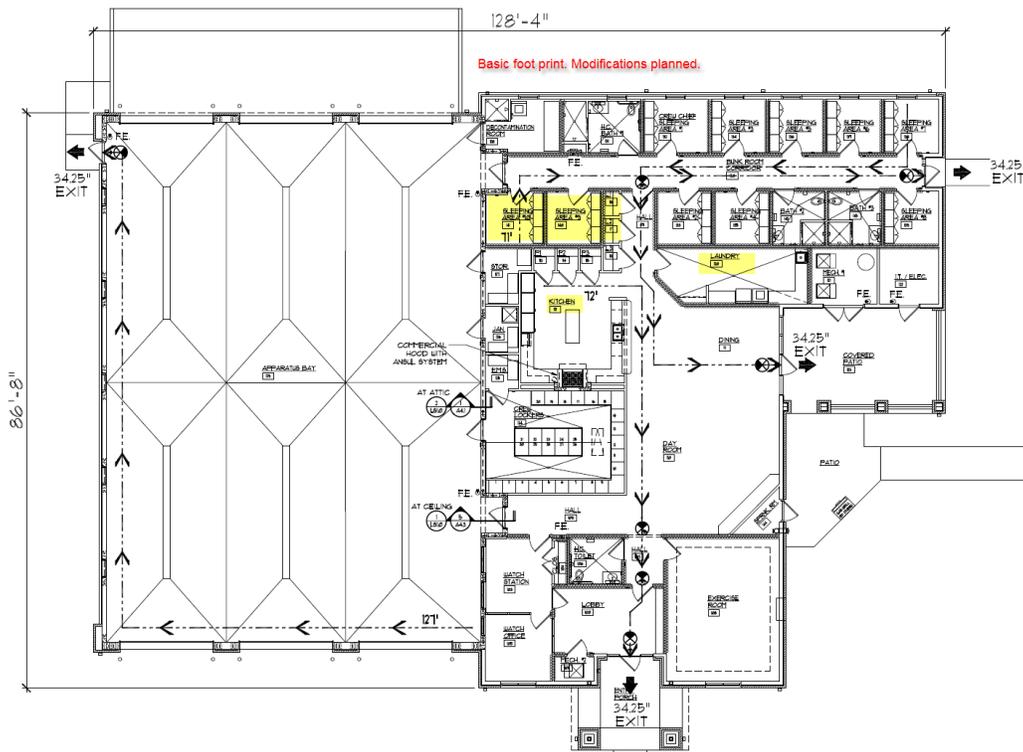
Background: Fire Station #4 on Johnson Avenue was constructed in 1978 as a fire and EMS facility for use by volunteers. Additional space was added in 1982 to house the 911 Center and Fire & EMS Headquarters. This building now houses Fire Station #4 and the Public Defender's office. The station was originally not designed to house the number of apparatus or personnel currently assigned and have been remodeled on numerous occasions.

Current facilities are not conducive to maintaining the work environment required for a modern Fire & EMS operation. This station currently has roof leaks in multiple areas affecting the bays and bunk room areas. The station was originally equipped with a sump/trap bay drain system. This bay drain system was ineffective in removing water and allows stagnant water to sit thus creating a health hazard and has since been abandoned and sealed for the betterment of all parties.

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The proposed location will strategically place the station in the best location to achieve the recommended response times to all locations within the territory. The new station site is on McElroy Rd. near the McDonough Rd. intersection. Access to the recreation areas will be within 2-3 minutes from the new location and this location will allow for timely responses to all portions of the Station 4 fire & EMS territory with good access to the east bypass road for responses to the north/south ends of the county.

Demonstrated on the accompanying maps are the locations of calls occurring during the past three years. These maps, referred to as "Heat" maps, show the calls and their concentration. These concentrations are a great display of sites that require increased fire & EMS responses and are great predictors of future resource allocation needs.



Replacement Fire Pumper

Purpose: The purpose of this project is to replace the 1991 Emergency One Pumper.

Objective: Replace an aging unit that has greatly increased maintenance costs and has unreparable components.

Background: Replacement of a 1991 Emergency One Pumper, fleet vehicle # 93251 with a modern Custom Cab pumper. At 25 years old, this unit has served Fayette County very well. This unit is experiencing some long term downtime based on maintenance issues with the fire pump, transmission and motor. Due to the availability of parts, the air conditioning on this unit was deemed non-repairable several years ago.

The replacement for this unit would be of similar design and function and meet the current standards as established by the National Fire Protection Association. For firefighter safety, it is equipped with a fully enclosed custom cab. To meet the firefighting demands of the County, it will be equipped with a 1500 gallon per minute pump, 750 gallon on-board water tank, fire hose capacity of 1100' of 4" hose, 400' of 1.75", and ground ladders of 24', 14', and 10' in length. This pumper would be equipped with medical supplies and equipment to respond to all medical calls in the assigned area.

Fire Training Center & Contingency

Purpose: The purpose of this project is to complete the initial phase of constructing a new fire training center.

Objective: Provide a modern fire and EMS training facility for emergency responders.

Background: The first phase of this project is the initial design of the utilities, (water lines/power), road layout, and the site development plan for the future construction.

The current fire training facility begins in 1984 with the construction of the fire training building. The site also houses a training tower and portable classroom building.

Additional design phases in the future would include a modern fire training building with training tower, driver training site, pump training site, LP/natural gas training area, vehicle extrication area, breathing apparatus course, and storage building for required equipment and apparatus.