

## ANIMAL CONTROL HVAC UPGRADE & REPLACEMENT

**PROJECT ID**  
1430-46001-731

**APPROXIMATE  
FUNDING AMOUNT**  
\$1,000,000.00

**EXPENDITURE  
CATEGORY**

1.4 Prevention in Congregate  
Settings (dense work site)

### PROJECT DESCRIPTION

Replace the HVAC system within York County's 16,586 square ft. Animal Control building. This public building is occupied by employees, the public, inmates (labor), and animals. This building is a dense worksite with individuals working in close proximity; especially in an around the kennels. Animal Control has had to completely close numerous times due to the amount of employees that had COVID.

### PROJECT OVERVIEW

The Animal Control HVAC system has exceeded its life expectancy at 17 years. The age and physical condition of the existing system has led to an increase in downtime and maintenance costs, and a decrease in efficiency. This project will consist of design and construction. In an effort to help reduce and mitigate exposure to COVID-19, the County is requesting ventilation mitigation strategies to be incorporated into the design. These strategies include improved air filtration and the introduction of more outside air; minimizing the recirculation of air while continuing to heat and cool effectively and efficiently.

### APPROXIMATE PROJECT TIMELINE

8/21-1/23

Design Start: August 2021

Construction Start: April/May 2022  
(Updated 9/9/21)

Completion: January 2023

### STATUS OF PROJECT

Design Started: August 1, 2021

### ELIGIBILITY REFERENCE:

IFR page 5 and pg 37 35.5 xvi

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### PROJECT DELIVERY METHOD

Following a formal solicitation process, the County will contract with a qualified firm, licensed in the State of South Carolina to provide mechanical and electrical engineering, consulting, design, and construction administrative services to evaluate the existing system, design the new system, and provide the bid specifications for construction. The bid specifications will then be advertised through a formal bid process and a qualified contractor, licensed to do business in South Carolina will be selected to complete the construction.

### INTENDED OUTCOMES

A new HVAC system will reduce downtime and costly repairs, increase energy efficiency, increase delivery of clean air to occupants, and improve ventilation to help reduce and mitigate the potential exposure to COVID-19.

## EMERGENCY OPERATIONS CENTER HVAC UPGRADE & REPLACEMENT

**PROJECT ID**  
1430-46006-731

**APPROXIMATE  
FUNDING AMOUNT**  
\$300,000.00

**EXPENDITURE  
CATEGORY**

1.4-Prevention in Congregate  
Settings (Dense Work site)

**SKILLS APPROXIMATE  
PROJECT TIMELINE**

09/22-10/23

**Design Start: September 2022**

**Construction Start: March 2023**

**Completion: October 2023**

**STATUS OF PROJECT**

Not started

**ELIGIBILITY  
REFERENCE:**

IFR page 5 and pg 37 35.5 xvi

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

**PROJECT DESCRIPTION**

The existing HVAC system has exceeded its life expectancy at the Emergency Operations Center. Within this building is York County's emergency management staff, Emergency Management Multi-Agency Coordination Control Center, Public Safety Communication employees, and the public communication 9-1-1 dispatch center. This is key public facility for both of these agencies respond to/mitigate COVID-19.

**PROJECT OVERVIEW**

The existing HVAC system has exceeded its life expectancy. The age and physical condition of the existing system has led to an increase in downtime and maintenance costs and a decrease in efficiency. In an effort to help reduce exposure to COVID-19, the County is requesting ventilation mitigation strategies to be incorporated into the design. These strategies include improved air filtration and the introduction of more outside air; minimizing the recirculation of air while continuing to heat and cool effectively and efficiently.

**PROJECT DELIVERY METHOD**

Following a formal solicitation process, the County will contract with a qualified firm, licensed in the State of South Carolina to provide mechanical and electrical engineering, consulting, design, and construction administrative services to evaluate the existing system, design the new system, and provide the bid specifications for construction. The bid specifications will then be advertised through a formal bid process and a qualified contractor, licensed to do business in South Carolina will be selected to complete the construction.

**INTENDED OUTCOMES**

A new HVAC system will reduce downtime and costly repairs, increase energy efficiency, increase delivery of clean air to occupants, and improve ventilation to help reduce and mitigate the potential exposure to COVID-19 to employees who respond to and mitigate COVID-19.

## FIRE SAFETY HVAC ADDITON TO MAINTENANCE BAYS

**PROJECT ID**  
1430-46005-731

**APPROXIMATE FUNDING AMOUNT**  
\$600,000.00

**EXPENDITURE CATEGORY**

1.4-Prevention in Congregate Settings (Dense Work site)

### PROJECT DESCRIPTION

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Replace HVAC system at the York County Fire Training Center bays. This replacement is complex because it includes an electrical upgrade. Within the bays are mechanics who are working in a dense work site on all types of public safety vehicles. These mechanics are also firefighters who leave to work on fire scenes, EMS calls, etc. Additionally, public safety personnel are in and out of these bays with their vehicles. All of these individuals assist in "responding to" COVID/mitigating COVID.

### PROJECT OVERVIEW

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Currently, there is no HVAC system in the maintenance bays of the building where maintenance is performed on fire trucks and other public safety vehicles. An HVAC system will be added to improve the comfort level and ventilation for staff. In an effort to help reduce exposure to COVID-19 on these first responders, the County is requesting ventilation mitigation strategies to be incorporated into the design. These strategies include improved air filtration and the introduction of more outside air; minimizing the recirculation of air while continuing to heat and cool effectively and efficiently.

In order to install an efficient HVAC system, the electrical system will need upgraded to 3 phase power. Additionally, this building has also been identified as an emergency operations center (911) back-up building. The electrical upgrade will further support the 911 system, if necessary.

**APPROXIMATE PROJECT TIMELINE**

11/21-10/2022

Design Start: November 2021  
Construction Start: April 2022  
Completion: October 2022

**STATUS OF PROJECT**  
NOT STARTED

**ELIGIBILITY REFERENCE:**

IFR page 5 and pg 37 35.5 xvi

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### PROJECT DELIVERY METHOD

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Following a formal solicitation process, the County will contract with a qualified firm, licensed in the State of South Carolina to provide mechanical and electrical engineering, consulting, design, and construction administrative services to evaluate the existing system, design the new system, and provide the bid specifications for construction. The bid specifications will then be advertised through a formal bid process and a qualified contractor, licensed to do business in South Carolina will be selected to complete the construction.

### INTENDED OUTCOMES

Increased energy efficiency, increased comfort for staff and public visitors and first responders, and improved ventilation to help reduce the potential exposure to COVID-19. An updated electrical system meeting all current code requirements.

## YORK COUNTY HECKLE COMPLEX UPGRADE & REPLACEMENT

**PROJECT ID**  
1430-46003-731

**APPROXIMATE  
FUNDING AMOUNT**  
\$1,000,000.00

**EXPENDITURE  
CATEGORY**

1.4-Prevention in Congregate  
Settings (Dense Work site)

### PROJECT DESCRIPTION

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Replace the HVAC system within York County's 67,376 square ft. York County Heckle Complex. This public building is occupied by the public and the following departments: Veteran Affairs, SC Dept. of Health & Human Services, Dept. of Juvenile Justice, Magistrate Courts, Tax Office, Auditors Office, and community meeting rooms. Within this dense work site are numerous employees and residents conducting County business, attending court, attending meetings, etc. Also SCDHEC is within this building, this dept. is the lead in SC regarding the state and County's Coronavirus response.

### PROJECT OVERVIEW

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The Heckle Complex HVAC system has exceeded its life expectancy at 11 years. The age and physical condition of the existing system has led to an increase in downtime and maintenance costs, and a decrease in efficiency. This project will consist of design and construction. In an effort to help reduce and mitigate exposure to COVID-19, the County is requesting ventilation mitigation strategies to be incorporated into the design. These strategies include improved air filtration and the introduction of more outside air; minimizing the recirculation of air while continuing to heat and cool effectively and efficiently.

**APPROXIMATE  
PROJECT TIMELINE**

11/21-1/23

Design Start: November 2021

Construction Start: June 2022

Completion: January 2023

**STATUS OF PROJECT**  
NOT STARTED

**ELIGIBILITY  
REFERENCE:**

IFR page 5 and pg 37 35.5 xvi

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### PROJECT DELIVERY METHOD

Following a formal solicitation process, the County will contract with a qualified firm, licensed in the State of South Carolina to provide mechanical and electrical engineering, consulting, design, and construction administrative services to evaluate the existing system, design the new system, and provide the bid specifications for construction. The bid specifications will then be advertised through a formal bid process and a qualified contractor, licensed to do business in South Carolina will be selected to complete the construction.

### INTENDED OUTCOMES

A new HVAC system will reduce downtime and costly repairs, increase energy efficiency, increase delivery of clean air to occupants, and improve ventilation to help reduce and mitigate the potential exposure to COVID-19.

## PLANNING & DEVELOPMENT SERVICES HVAC UPGRADE & REPLACEMENT

**PROJECT ID**  
1430-46002-731

**APPROXIMATE FUNDING AMOUNT**  
\$1,000,000.00

**EXPENDITURE CATEGORY**

1.4-Prevention in Congregate Settings (Dense Work site)

### PROJECT DESCRIPTION

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Replace the HVAC system within York County's 18,000 square ft. Planning and Development Services. This building is occupied by the public and the following departments: Building & Codes, Environmental compliance, Planning, and Zoning. This is a dense worksite with the public, employees, builders, and developers constantly in and out of building obtaining permits and more.

### PROJECT OVERVIEW

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The Planning and Development Services HVAC system has exceeded its life expectancy at 11 years. The age and physical condition of the existing system has led to an increase in downtime and maintenance costs, and a decrease in efficiency. This project will consist of design and construction. In an effort to help reduce and mitigate exposure to COVID-19, the County is requesting ventilation mitigation strategies to be incorporated into the design. These strategies include improved air filtration and the introduction of more outside air; minimizing the recirculation of air while continuing to heat and cool effectively and efficiently.

### APPROXIMATE PROJECT TIMELINE

11/21-1/23

Design Start: November 2021

Construction Start: June 2022

Completion: January 2023

### STATUS OF PROJECT

Not started

### ELIGIBILITY REFERENCE:

IFR page 5 and pg 37 35.5 xvi

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### PROJECT DELIVERY METHOD

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Following a formal solicitation process, the County will contract with a qualified firm, licensed in the State of South Carolina to provide mechanical and electrical engineering, consulting, design, and construction administrative services to evaluate the existing system, design the new system, and provide the bid specifications for construction. The bid specifications will then be advertised through a formal bid process and a qualified contractor, licensed to do business in South Carolina will be selected to complete the construction.

### INTENDED OUTCOMES

A new HVAC system will reduce downtime and costly repairs, increase energy efficiency, increase delivery of clean air to occupants, and improve ventilation to help reduce and mitigate the potential exposure to COVID-19.

## Prison HVAC Upgrade & Replacement

**PROJECT ID**  
1430-46007-731

**APPROXIMATE  
FUNDING AMOUNT**  
\$1,000,000.00

**EXPENDITURE  
CATEGORY**

1.4-Prevention in Congregate  
Settings

### PROJECT DESCRIPTION

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Replace the HVAC system within York County's 50,280 square ft. prison. This building is occupied by 30 employees, up to 256 inmates, and visitors.

### PROJECT OVERVIEW

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The prison HVAC system has exceeded its life expectancy at 12 years. The age and physical condition of the existing system has led to an increase in downtime and maintenance costs, and a decrease in efficiency. This project will consist of design and construction. In an effort to help reduce and mitigate exposure to COVID-19, the County is requesting ventilation mitigation strategies to be incorporated into the design. These strategies include improved air filtration and the introduction of more outside air; minimizing the recirculation of air while continuing to heat and cool effectively and efficiently.

### APPROXIMATE PROJECT TIMELINE

09/22-10/23

**Design Start: September 2022**

**Construction March 2023**

**Completion: October 2023**

### STATUS OF PROJECT

Not started

### ELIGIBILITY REFERENCE:

IFR page 5 and pg 37 35.5 xvi

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### PROJECT DELIVERY METHOD

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Following a formal solicitation process, the County will contract with a qualified firm, licensed in the State of South Carolina to provide mechanical and electrical engineering, consulting, design, and construction administrative services to evaluate the existing system, design the new system, and provide the bid specifications for construction. The bid specifications will then be advertised through a formal bid process and a qualified contractor, licensed to do business in South Carolina will be selected to complete the construction.

### INTENDED OUTCOMES

A new HVAC system will reduce downtime and costly repairs, increase energy efficiency, increase delivery of clean air to occupants, and improve ventilation to help reduce and mitigate the potential exposure to COVID-19.

# Rock Hill York County Sheriff's Office HVAC Upgrade & Replacement

**PROJECT ID**  
1430-46004-731

**APPROXIMATE FUNDING AMOUNT**  
\$1,100,000.00

**EXPENDITURE CATEGORY**

1.4-Prevention in Congregate Settings (Dense Work site)

**APPROXIMATE PROJECT TIMELINE**

11/21-03/23

Design Start: November 2021 (Updated 9/9/21)

Construction June 2022

Completion: March 2023

## PROJECT DESCRIPTION

Replace HVAC system at the York County Sheriff's Office busiest district office. This replacement is complex because it includes an electrical upgrade and a generator. The building hosts patrol division, detectives, code enforcement, traffic enforcement, the Special Operations Group, a victim's advocate, and two clerks.

## PROJECT OVERVIEW

The existing HVAC system has exceeded its life expectancy of 11 years. The age and physical condition of the existing system has led to an increase in downtime and maintenance costs and a decrease in efficiency. In an effort to help reduce exposure to COVID-19, the County is requesting ventilation mitigation strategies to be incorporated into the design. These strategies include improved air filtration and the introduction of more outside air; minimizing the recirculation of air while continuing to heat and cool effectively and efficiently.

The existing electrical system is outdated and will not support an HVAC system upgrade and replacement. The electrical system will be upgraded and brought to code in order to complete the HVAC upgrade. Additionally, a generator will be installed with the HVAC package because this is a critical law enforcement/Public Safety building and this building has been identified as a 9-1-1 backup building. The jurisdictional boundary that is covered by officers from this office does include the Catawba Indian Reservation, where YCSO serves as their only source of law enforcement.

This office was highly impacted by COVID with one entire shift being contaminated at the same time. All divisions within the office were impacted by COVID at some point during the pandemic.

## STATUS OF PROJECT

Not started

## ELIGIBILITY REFERENCE:

IFR page 5 and pg 37 35.5 xvi

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

## PROJECT DELIVERY METHOD

Following a formal solicitation process, the County will contract with a qualified firm, licensed in the State of South Carolina to provide mechanical and electrical engineering, consulting, design, and construction administrative services to evaluate the existing system, design the new system, and provide the bid specifications for construction. The bid specifications will then be advertised through a formal bid process and a qualified contractor, licensed to do business in South Carolina will be selected to complete the construction.

## INTENDED OUTCOMES

Reduced downtime and costly repairs, increased energy efficiency, increased comfort for staff and public visitors, and improved ventilation to help reduce the potential exposure to COVID-19. An updated electrical system meeting all current code requirements.

## DETENTION CENTER FLOORING REPLACEMENT

**PROJECT ID**  
1430-46020-731

**APPROXIMATE FUNDING AMOUNT**  
\$300,000.00

**EXPENDITURE CATEGORY**

1.4-Prevention in Congregate Settings

**APPROXIMATE PROJECT TIMELINE**

Beginning 2022  
(Edited 11/22/21)

Design Start: N/A

Construction Start: December 2021

Completion: February 2022

**STATUS OF PROJECT**

Not started

**ELIGIBILITY REFERENCE:**

IFR page 5

<https://www.govinfo.gov/content/pkg/F-R-2021-05-17/pdf/2021-10283.pdf>

**PROJECT DESCRIPTION**

Replace the flooring in the areas throughout the York County Detention Center.

**PROJECT OVERVIEW**

The existing VCT flooring located in the hallways and the visitation corridor of the Detention Center has exceeded its life expectancy at 29 years, and is in need of replacement. The flooring has become cracked and porous; making it very difficult to clean and disinfect. It is the County's intent to replace the existing VCT flooring with LVT flooring to help mitigate and prevent COVID-19. LVT is more durable.

**PROJECT DELIVERY METHOD**

County staff will develop bid specifications based on material and area requested to be replaced. The bid specifications will then be advertised through a formal bid process and a qualified contractor, licensed to do business in South Carolina will be selected to complete the construction.

**INTENDED OUTCOMES**

Detention Center will have a non-porous floor that can be cleaned and disinfected to prevent COVID-19 exposure; as well as, reduced maintenance cost.

## YORK COUNTY PRISON BODY SCANNER

**PROJECT ID**  
1430-46021-741

**APPROXIMATE FUNDING AMOUNT**  
\$167,534.53  
(Edited 12/16/2021)

**EXPENDITURE CATEGORY**

1.4-Prevention in Congregate Settings

**APPROXIMATE PROJECT TIMELINE**

Sept. 2021- Dec. 2021

**STATUS OF PROJECT**

Approved by Council for purchase on Sept. 7, 2021  
(Edited 11/2/21).

**ELIGIBILITY REFERENCE:**

IFR page 5

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

## PROJECT DESCRIPTION

Add a body scanner to the York County Prison to assist with preventing and mitigating COVID-19 during the booking process and when inmates are returning from work duties.

## PROJECT OVERVIEW

Add a body scanner to the prison to assist with mitigating COVID-19. Correctional facilities are considered congregate settings due to the large number of inmates in a confined space. Social distancing is difficult in these types of settings. This body scanner provides the temperature of the inmate; therefore, eliminating staff from having to get close to take the inmates temperature. The scanner also detects if an inmate has contraband. A body scanner will provide a significantly higher level of detection of the arrestee prior to the individual being placed in a holding cell, while maintaining the modesty and integrity of each individual (rather than requiring each individual to be strip searched at intake). Once more this creates an opportunity for social distancing that currently doesn't exist, for prison staff and inmates.

## PROJECT DELIVERY METHOD

Prison staff will order scanner from a third party, and follow the necessary procurement code requirements.

## INTENDED OUTCOMES

Prison will have a body scanner that provides social distancing for inmates and prison staff; as well as, temperature checks on inmates.

## HANDHELD RADIOS FOR PRISON STAFF

### PROJECT ID

1430-46022-615 (Edited 11/22/21)

### APPROXIMATE FUNDING AMOUNT

\$74,996.36

(Edited 11/2/21)

### EXPENDITURE CATEGORY

1.4-Prevention in Congregate Settings

### PROJECT DESCRIPTION

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Provide a radio to each prison staff member. The prison will need approximately 15-20 radios.

### PROJECT OVERVIEW

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Currently, the York County Prison staff shares handheld radios. Each officer should be issued their own personal radio. This will prevent cross contamination of radio users that handle radio equipment throughout their shifts by not sharing radios and microphones that are held close to the users' faces; thus preventing the spread of COVID-19 in a congregate setting. This would also make it easier to identify who is calling through the master control console. Currently, if an officer has a medical emergency or other issue, the radio is identified with a generic ID. If each officer was issued their own radio, it would identify them as a specific individual.

### APPROXIMATE PROJECT TIMELINE

Sept. 2021- Dec. 2021

Approved by Council for purchase on Sept. 7, 2021 (Edited 11/2/21). Transparency purposes reapproved on 11/1/21. (Edited 11/22/21)

### STATUS OF PROJECT

Not started

### ELIGIBILITY REFERENCE:

IFR page 5

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### PROJECT DELIVERY METHOD

Prison staff will work with YCSO IT department to order radios' on the County's Motorola contract.

### INTENDED OUTCOMES

Each prison staff member to have a handheld radio to help prevent COVID-19 contamination.

## DETENTION CENTER EMERGENCY RESPONSE TEAM EQUIPMENT

**PROJECT ID**  
1430-46023-690

**APPROXIMATE FUNDING AMOUNT**  
\$15,000.00

**EXPENDITURE CATEGORY**

1.4-Prevention in Congregate Settings

**APPROXIMATE PROJECT TIMELINE**

Sept. 2021- Dec. 2021

**STATUS OF PROJECT**  
Not started

**ELIGIBILITY REFERENCE:**

IFR page 5

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

## PROJECT DESCRIPTION

Provide full riot suits/helmets to each member on the Detention Center Emergency Response Team.

## PROJECT OVERVIEW

The York County Detention Center operates an Emergency Response Team in order to respond to violent and combative inmates. During an event which requires the Emergency Response Team, each member wears protective gear to prevent injuries to themselves during the operation. Currently, the York County Detention Center has a small number of full riot suits/helmets. This equipment must be shared and passed between staff during riot events and especially during training events. This is harmful to Detention staff members because sharing equipment creates the potential of passing communicable diseases, including COVID-19. Therefore, it will be beneficial to purchase additional sets of equipment that can be issued directly to an individual. This will prevent the sharing of equipment: as well as, assist to customize the equipment to the appropriate size for each member to respond to any crime within Detention Center.

## PROJECT DELIVERY METHOD

Items will be ordered from a third party vendor. York County Procurement Code to be adhered to.

## INTENDED OUTCOMES

Each ERT member to have their own equipment so not to spread COVID-19 and to better respond to violence in the detention center.

## YORK COUNTY PRISON AND DETENTION CENTER PHARMACY SOFTWARE

### PROJECT ID

1430-46024-750

### APPROXIMATE FUNDING AMOUNT

\$15,000.00

### EXPENDITURE CATEGORY

1.4-Prevention in Congregate Settings

### APPROXIMATE PROJECT TIMELINE

Sept. 2021- Dec. 2021

### STATUS OF PROJECT

Not started

### ELIGIBILITY REFERENCE:

IFR page 5

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### PROJECT DESCRIPTION

New pharmacy software program for the York County Prison and Detention Center.

### PROJECT OVERVIEW

York County Sheriff's Office needs a new medication surveillance software program due to COVID-19 cases and the medication provided for those cases, and an increase in inmates. The YCSO is responsible for managing and administering medications to inmates. When inmates have had COVID-19, medication has been administered to help with their symptoms. Thus increasing medications for the YCSO to monitor. With the addition of the York County Prison to the York County Sheriff's Office operations, (Detention Center already under YCSO), a more robust pharmacy software program is needed to monitor medication assignments to inmates in both the Prison and Detention Centers. A new software program will make pharmacy operations more efficient; as well as, it will provide real time ability to track types of medications given for COVID-19 or any other sickness, and any potential interactions to currently prescribed medications.

### PROJECT DELIVERY METHOD

The YCSO will work with IT Department to purchase a software from a third party vendor to administer medications. The York County Procurement Code Ordinance will be followed when purchasing this software.

### INTENDED OUTCOMES

Prison and Detention Center will have a more up-to-date pharmacy software to administer and manage medications give to inmates for COVID-19 and other sickness.

## FIRST RESPONDER RADIO COMMUNICATIONS UPGRADE

### **PROJECT ID** 1430-46040-784

**APPROXIMATE  
FUNDING AMOUNT**  
\$3,846,000.00

### **EXPENDITURE CATEGORY**

1.12 Other Public Health  
Services

### **SKILLS APPROXIMATE PROJECT TIMELINE**

July 2021-June 2022

### **STATUS OF PROJECT**

Approved by Council for purchase  
on July 19, 2021 (Edited Nov. 2,  
2021).

### **ELIGIBILITY REFERENCE:**

IFR page 5 and pg 36 vii

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### **PROJECT DESCRIPTION**

First responder radio communications upgrade for York County employees who respond to and or prevent/mitigate COVID-19.

### **PROJECT OVERVIEW**

York County's first responders' radio equipment does not currently support the necessary capabilities to quickly locate units and send the closest first responder units to the locations of pandemic-related emergencies. The new radio equipment is designed to provide responders' locations, using GPS technology, to the 9-1-1 dispatch center and incident commanders so that the emergency care can be provided more quickly and reliable during the current and future pandemic. These radios are also utilized by York County's Public Works department to control York County's water and sewer systems, recycling & collection centers (which saw a huge increase during pandemic), and provide communications between employees and supervisors to expedite services to the public at-large.

### **PROJECT DELIVERY METHOD**

York County is using Motorola as vendor for radio's upgrade.

### **INTENDED OUTCOMES**

York County to enhance its first responder's radio communication to respond to COVID and other emergencies.

## RADIO SYSTEM CAPACITY INCREASE

### **PROJECT ID** 1430-46041-741

**APPROXIMATE  
FUNDING AMOUNT**  
\$51,800.00 (Edited 11/2/21)

### **EXPENDITURE CATEGORY**

1.12-  
Other Public Health Services

### **APPROXIMATE PROJECT TIMELINE**

Nov. 2021- December 2021  
(Edited Nov. 2, 2021)

### **STATUS OF PROJECT**

Approved by Council for purchase  
on Nov. 1, 2021 (Edited Nov. 2,  
2021)

### **ELIGIBILITY REFERENCE:**

IFR page 5 and pg 36 vii

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### **PROJECT DESCRIPTION**

Increase York County's radio system capacity increase

### **PROJECT OVERVIEW**

9-1-1 and EMS rely heavily on GPS information to have the closest ambulance respond to those calling for emergency medical care. The York County radio network is utilized to provide the locations of ambulances in the field using GPS and to dispatch those units for COVID-19 and other emergencies. During high volume calls times and adding additional ambulances to meet the needs of those suffering from virus complications places additional strain on the radio network. The additional capacity is needed to keep the information flow expedited and flowing freely.

### **PROJECT DELIVERY METHOD**

Motorola to preform work.

### **INTENDED OUTCOMES**

Additional capacity will keep information flow expedited and flowing freely when providing GPS information that EMS and 9-1-1 rely heavily on to respond to pandemic related calls and other emergency needs.

## 9-1-1 DISPATCH CENTER DIVERSITY & CONTINUITY OF OPERATIONS

**PROJECT ID**  
1430-46042-741

**APPROXIMATE FUNDING AMOUNT**  
\$455,000.00

**EXPENDITURE CATEGORY**

1.12 Other Public Health Services

**APPROXIMATE PROJECT TIMELINE**

TBD

**STATUS OF PROJECT**

Not Started

**ELIGIBILITY REFERENCE:**

IFR page 5 and pg 36 vii

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

**PROJECT DESCRIPTION**

Geographically diversify 9-1-1 operations

**PROJECT OVERVIEW**

York County's 9-1-1 center staff has taken universal precautions to prevent the spread of COVID-19. However, widespread illness in the 9-1-1 center would require the command staff to diversify locations and keep employees separated/additional social distancing. 9-1-1 does not have the equipment to geographically diversify our staff that could stymie the spread of the virus amongst the telecommunicators. A lack of 9-1-1 telecommunicators would effectively shut down the county's ability to receive and dispatch (respond to) 9-1-1 calls from the sick and injured in York County. These funds would provide 6 portable radios and 9-1-1 dispatch positions to allow for evacuation of a facility or the ability to socially distance command and operations staff to prevent the spread of disease between responders.

This project would give York County the ability to easily staff an alternate location with telecommunicators for 9-1-1 and continue to respond to the pandemic and other emergencies.

**PROJECT DELIVERY METHOD**

Vendor will be Motorola. York County Procurement Code to be adhered to.

**INTENDED OUTCOMES**

York County will have the ability to easily staff an alternate location with telecommunicators for 9-1-1 in order to social distance employees properly while responding to the pandemic.

## MOSS JUSTICE CENTER 9-1-1 TOWER REPLACEMENT

**PROJECT ID**  
1430-46043-741

**APPROXIMATE FUNDING AMOUNT**  
\$1,200,000.00

**EXPENDITURE CATEGORY**

1.7-  
Capital Investments or Physical Plant Changes to Public Facilities that Respond to COVID-19

**SKILLS APPROXIMATE PROJECT TIMELINE**

Completion Date June 2022

**STATUS OF PROJECT**

Approved by Council for purchase on March 15, 2021 (Edited 11/22/21). Transparency purposes reapproved on 11/15/21. (Edited 11/22/21)

**ELIGIBILITY REFERENCE:**

IFR page 5 and pg 36 vii

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

**PROJECT DESCRIPTION**

The Moss Justice Center tower is in need of replacement because its current capacity is overloaded and York County needs to upgrade the tower to allow additional microwave antennas and hardware.

**PROJECT OVERVIEW**

This tower is the central point of radio infrastructure through which all first responder voice and data radio communications (pandemic related and non-pandemic related) in York County is conveyed. This tower is in need of replacement because its current capacity is overloaded and York County needs to upgrade the tower to allow additional microwave antennas and hardware. Data provided in the "Use of Funds" section of this report. This radio and data system hardware will allow better connectivity for EMS, police and fire as they respond to assist those in this pandemic or future pandemic situations. This will enhance the mobile environment to transmit and receive radio and data information.

**PROJECT DELIVERY METHOD**

Motorola is the vendor performing the duties.

**INTENDED OUTCOMES**

The tower replacement project will allow the county to keep its radio system up-to-date and operating to respond to the pandemic medical needs and other types of emergencies.

## RELOCATE FORT MILL TOWERS

**PROJECT ID**  
1430-46044-741

**APPROXIMATE FUNDING AMOUNT**  
\$585,000.00

**EXPENDITURE CATEGORY**

1.7-Capital Investments or Physical Plant Changes to Public Facilities that respond to the COVID-19 public health emergency

**APPROXIMATE PROJECT TIMELINE**

TBD

**STATUS OF PROJECT**

Not Started

**ELIGIBILITY REFERENCE:**

IFR page 5 and pg 36 vii

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

**PROJECT DESCRIPTION**

Relocate Fort Mill Tower to enhance emergency medical response.

**PROJECT OVERVIEW**

To relocate the current tower will allow York County to capitalize on using better microwave antennas to enhance the coverage and presence of radio and data traffic in Fort Mill when responding to COVID emergencies and other types of emergencies. This is a lease tower, which has limited capabilities and moving this site will allow York county to use our own tower base and replace all existing equipment with higher speed capable microwave antennas. This will enhance Emergency Medical Response in a densely populated are of York County where pandemic numbers have been high. This will serve this area in the current pandemic and for any future pandemic events.

The radio transmitter will reduce the county's cost to operate the radio network because we currently rent space for this transmitter site today. This site will improve communications capabilities for first responders as well as water/sewer employees. York County will also share the emergency power generator with water/sewer to provide backup power for the Baxter Lane elevated storage tank.

**PROJECT DELIVERY METHOD**

York County Procurement Code will be adhered to.

**INTENDED OUTCOMES**

York County will be able to use its own tower base and replace all existing equipment with higher speed capable microwave antennas. This will enhance COVID-19 medical emergency response (and other emergency response) in a densely populated are of York County where pandemic numbers have been high.

## RADIO TOWER SITE EASTERN YORK COUNTY

### **PROJECT ID**

1430-46045-741

### **APPROXIMATE FUNDING AMOUNT**

\$2,000,000.00

### **EXPENDITURE CATEGORY**

1.7 Capital Investments or Physical Plant Changes to Public Facilities that respond to the COVID-19 public health emergency

### **APPROXIMATE PROJECT TIMELINE**

Completed by December 2024

### **STATUS OF PROJECT**

Not Started

### **ELIGIBILITY REFERENCE:**

IFR page 5 and pg 36 vii

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### **PROJECT DESCRIPTION**

Add an additional radio tower site on the eastern side of the county to enhance 9-1-1 pandemic coverage and emergency coverage on the Catawba Indian Reservation and eastern Fort Mill.

### **PROJECT OVERVIEW**

Add an additional radio tower site on the eastern side of the county to enhance pandemic and emergency coverage on the Catawba Indian Reservation and eastern Fort Mill. These areas are underserved by the current radio network architecture. This northern portion of York County is densely populated and had a high COVID positive count during this pandemic. This will meet our current and future needs responding to the pandemic.

### **PROJECT DELIVERY METHOD**

Third party hired for this project. York County Procurement Code to be adhered to.

### **INTENDED OUTCOMES**

Add an additional radio tower site on the eastern side of the county to enhance pandemic and emergency coverage on the Catawba Indian Reservation and eastern Fort Mill.

## 9-1-1 COMMUNICATIONS SYSTEM AVAILABILITY

**PROJECT ID**  
1430-46046-741

**APPROXIMATE FUNDING AMOUNT**  
\$165,000.00

**EXPENDITURE CATEGORY**

1.7 Capital Investments or Physical Plant Changes to Public Facilities that respond to the COVID-19 public health emergency

**APPROXIMATE PROJECT TIMELINE**

TBD

**STATUS OF PROJECT**

Not Started

**ELIGIBILITY REFERENCE:**

IFR page 5 and pg 36 vii

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

**PROJECT DESCRIPTION**

Back-up power solution for the York County 9-1-1 Operations Center.

**PROJECT OVERVIEW**

Backup power solutions are a necessity to keep 9-1-1 communications facilities operational and responding to the pandemic during power outages. During the pandemic, availability of outside resources from whom York County could rent these resources diminished. Additionally, having potentially-ill outside vendors on county property at the 9-1-1 operations center was not desired as we tried to isolate emergency communications staff from others so to maintain wellness and county emergency response coverage, pandemic and non-pandemic related. This would also serve Emergency Management operations (vital dept. in the mitigation and prevention of COVID) as they are also in the same building as 9-1-1.

**PROJECT DELIVERY METHOD**

Vendor to be determined. York County Procurement Code to be adhered to.

**INTENDED OUTCOMES**

To have a backup power solution to keep the 9-1-1 center operational to respond to pandemic needs and other emergencies when loss of power occurs.

## SHERIFF'S OFFICE DRONE TECHNOLOGY

**PROJECT ID**  
1430-46050-741

**APPROXIMATE FUNDING AMOUNT**  
\$45,000.00

**EXPENDITURE CATEGORY**

3:16-Social Determinants of Health:  
Community Violence Interventions

**APPROXIMATE PROJECT TIMELINE**

Sept. 2021-Dec. 2021

**STATUS OF PROJECT**

Not started

**ELIGIBILITY REFERENCE:**

US Treasury FAQ's

Pg 22

[https://home.treasury.gov/system/files/136/SLFR\\_PFAQ.pdf](https://home.treasury.gov/system/files/136/SLFR_PFAQ.pdf)

**PROJECT DESCRIPTION**

Purchase two new drones to assist with gun related crimes and prevention within York County.

**PROJECT OVERVIEW**

During the pandemic, YCSO experienced an increase in gun violence and violent crimes. YCSO presently has two *Unmanned Aerial Vehicles* (UAV) units that are nearing the end of their designated service life. Both of these units are used as "primary" drones in all responses to incidents. This project's intent is to allow the YCSO to purchase two replacement units. Additionally, both of the drone units being requested are equipped with more modern technology, larger operating range, better cameras functionality, and longer flight time on an individual battery.

These drones assist the Drug Enforcement Unit (DEU) in the investigation and apprehension of drug manufacturers and traffickers (both federally identified as "*Violent Crimes*"), and assist in the apprehension of wanted persons, particularly when the K9 Unit is pursuing an armed suspect. Having the ability to have an overhead perspective to potentially alert the K9 Tracking Team of the location of an armed suspect can significantly increase the safety of the officers and prevent any gun related incidents. This type of equipment is invaluable in the detection / apprehension of suspects in both day and night conditions. Otherwise, an armed suspect can lie in wait, particularly under the cover of darkness, and ambush the approaching K9 Team. Drones are deployed to assist SWAT teams (deployed to assist with armed individuals, suspects wanted for serious violent crimes) with the observation, containment, and apprehension of suspect(s), while also providing an element of officer safety for many of the same reasons described for the K9 Tracking Team.

This technology will serve to protect every area of York County; including those of lower income, disadvantage, affluent, non-English speaking, listed in QTC tract, etc.

**PROJECT DELIVERY METHOD**

YCSO staff will order drone technology from a third party, and follow the necessary procurement code requirements.

**INTENDED OUTCOMES**

Purchase of two modern drones with enhanced technology to assist in gun prevention and violent crimes in York County.

## SHERIFF'S OFFICE NIGHT VISION TECHNOLOGY

**PROJECT ID**  
1430-46051-690

**APPROXIMATE FUNDING AMOUNT**  
\$45,000.00

### **EXPENDITURE CATEGORY**

3:16-Social Determinants of Health:  
Community Violence Interventions

### **APPROXIMATE PROJECT TIMELINE**

Sept. 2021-Dec. 2021

### **STATUS OF PROJECT**

Not started

### **ELIGIBILITY REFERENCE:**

US Treasury FAQ's

Pg 22

[https://home.treasury.gov/system/files/136/SLFR\\_PFAQ.pdf](https://home.treasury.gov/system/files/136/SLFR_PFAQ.pdf)

### **PROJECT DESCRIPTION**

Purchase night vision goggles technology for York County Sheriff's Office to assist with gun prevention, violent crimes, and other crimes.

### **PROJECT OVERVIEW**

During the pandemic, YCSO experienced an increase in gun violence and violent crimes. The SWAT Team exists as the primary responders to the most serious of all incidents that the YCSO encounters on any given day. Most SWAT incidents are to assist with the observation, containment, and apprehension of armed individuals, suspects wanted for serious / violent crimes (Murder, Sexual Assault, Robbery, etc.), as well as, hostage situations and barricaded suspects. YCSO will purchase five sets of the current generation of night vision, which would increase the ability of a SWAT operator to navigate difficult terrain, identify potential threats (armed suspect, ambushes, etc.), and properly distinguish between innocent persons and suspects in low-light conditions.

The Drug Enforcement Unit (DEU) has a primary focus on the investigation and apprehension of drug manufacturers and traffickers (both federally identified as "Violent Crimes"). Just the same as given above for the SWAT Team, the agents assigned to the DEU could equally benefit from being able to identify if a suspect is armed (or unarmed), locate evidence, and navigate structures during warrant services in the darkness.

The Special Operations Group (SOG) is comprised of a group of officers that have a primary mission of tracking down some of the most serious criminals on which the YCSO has warrants. Whether it be persons wanted as fugitives from justice, for murder, robbery, escape, or any number of other serious offenses, the SOG Team is generally the group that is tasked with the location (and apprehension) of these criminals. Just as with SWAT and DEU, the ability to have modern night vision while executing these hi-risk warrants would be invaluable in preventing gun related incidents.

This technology will serve to protect every area of York County; including those of lower income, disadvantage, affluent, non-English speaking, listed in QTC tract, etc.

### **PROJECT DELIVERY METHOD**

YCSO staff will order drone technology from a third party, and follow the necessary procurement code requirements.

### **INTENDED OUTCOMES**

Purchase of night vision goggles technology to assist in gun prevention and violent crimes in York County.

## SHERIFF'S OFFICE MOBILE DATA TERMINALS

**PROJECT ID**  
1430-46052-744

**APPROXIMATE FUNDING AMOUNT**  
\$605,000.00

**EXPENDITURE CATEGORY**  
3:16-Social Determinants of Health:  
Community Violence Interventions

**APPROXIMATE PROJECT TIMELINE**

Sept. 2021-Dec. 2021

**STATUS OF PROJECT**  
Not started

**ELIGIBILITY REFERENCE:**

US Treasury FAQ's

Pg 22

<https://home.treasury.gov/system/files/136/SLFRPFAQ.pdf>

### PROJECT DESCRIPTION

Purchase of 130 Mobile Data Terminals (MDT), docking stations and software to aid in the prevention and reduction of violent crime and gun related crimes.

### PROJECT OVERVIEW

The below assist YCSO in being proactive to prevent violent crimes and gun related violence. Being able to have the most up-to-date surveillance technology, in real-time, helps support YCSO in identifying and responding to emerging firearm crime. Access to NCIC allows deputies to quickly run plates to determine if a car is stolen, is registered to a sex offender, is connected to a gang member, someone on the terrorist watch list, or connected to a known violent offender. It allows the deputies access to BOLOs (Be on the lookout) of suspect persons and vehicles. Deputies are able to instantly check from their vehicle to see if a person is listed as wanted, missing, or a runaway. Provides ability to run serial numbers on weapons to see if they are stolen. This is imperative in getting guns off our streets.

MDT's assist with crime prevention. Directed patrols are sent out electronically to patrol deputies helping them patrol areas where our crime analyst forecast crime is likely to occur. Bulletins with pictures of wanted persons are also emailed out to deputies in the field helping them apprehend wanted persons before they can reoffend. Deputies are able to research reports to identify problem areas while working remotely in the field. Dispatch is able to automatically know deputies location from the GPS in the laptop, should assistance be needed. Deputies can see detailed call information while on the way to a call for service and receive alerts for any dangers at the location they headed toward to include whether anyone at that location has COVID. This technology will serve to protect every area of York County; including those of lower income, disadvantage, affluent, non-English speaking, listed in QTC tract, etc.

Each officer having their own assigned MDT that they keep with them reduces the chance of spreading COVID by sharing the devices and reduces the chance of damaging the units trying to disinfect them between users. Each officer having their own assigned MDT also helps the officers to be able to work from home when they are forced to quarantine due to COVID exposure. Having docking stations set up in each of the district offices so that each officer can bring his own computer in and dock it. This will prevent spread through the use of shared computers in the office.

### PROJECT DELIVERY METHOD

YCSO staff will order MDT's and equipment from a third party, and follow the necessary procurement code requirements.

### INTENDED OUTCOMES

Purchase of MDT technology to assist in gun prevention and violent crimes in York County.

## FIRE SERVICES LUCAS DEVICES

### PROJECT ID

1430-46060-741

(Edited 11/2/21)

### FUNDING AMOUNT

\$278,389.76

(Edited 12/16/21)

### EXPENDITURE CATEGORY

1.5-Personal Protective  
Equipment

### APPROXIMATE PROJECT TIMELINE

Nov. 2021-Feb. 2022

(Edited 11/02/21)

### STATUS OF PROJECT

Approved by Council for purchase  
on 11/01/2021

(Edited 11/2/2021)

### ELIGIBILITY REFERENCE:

IFR page 5 and 6

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### PROJECT DESCRIPTION

Deploy Lucas Devices within York County Fire Departments

### PROJECT OVERVIEW

Currently there are only eight Lucas Devices in the York County Fire system. The goal of this project is to add 12 units to the current inventory. This will put 20 units in the field ready to respond to any CPR call; related to COVID and not related to COVID. This device, paired with the AED project will allow Fire services to streamline the standardization of care with Piedmont EMS on scene within York County. This will save critical time with on scene care and transport in order to save lives.

This PPE will allow Fire services to minimize the number of responders in close proximity of an infected patient, reducing the number of responders and costly protective equipment that can be potentially exposed to COVID or other diseases.

### PROJECT DELIVERY METHOD

Lucas Devices will be purchased from a third party vendor following appropriate York County procurement requirements.

### INTENDED OUTCOMES

York County will have these Lucas Devices located at each of these following Fire Departments - Bethany, Bethel, Bullock Creek, Hickory Grove, McConnells, Oakdale, Riverview, Smyrna, York County Suppression Teams x 3, and the York County Training Center. This will put a Lucas Device in each York County funded Fire Department for rapid response and use on cardiac incidents related to COVID and non-COVID related.

## YORK COUNTY AED DEVICES

(Edited project inventory title and writing below on 10/26/21 to include Emergency Management AED's and more AED's)

### PROJECT ID

1430-46061-690  
(Edited 11/22/21)

### FUNDING AMOUNT

\$522,133.85  
(Edited 12/16/21)

### EXPENDITURE CATEGORY

1.5-Personal Protective  
Equipment

### APPROXIMATE PROJECT TIMELINE

Nov. 2021-Feb. 2022

(Edited 11/02/21)

### STATUS OF PROJECT

Council Approval for Purchase  
11/1/21

(Edited 11/2/21)

### ELIGIBILITY REFERENCE:

IFR page 5 and 6

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### PROJECT DESCRIPTION

AED Standardization and Deployment within York County Fire Departments.

### PROJECT OVERVIEW

Research shows that COVID-19 can damage the heart muscle and affect heart function. For people who have had COVID-19, lingering heart problems can complicate recovery from this disease ([www.hopkinsmedicine.org](http://www.hopkinsmedicine.org)). Therefore, many first responders in York County utilize Automated External Defibrillators (AEDs) for response to cardiac emergencies related to COVID and non-COVID related. Additionally, certain County staff are trained in CPR/First Aid to use AED's for emergency response.

Currently, it has been determined that many of the devices throughout York County Government and those for first responders are old and need to be replaced. Additionally, some York County buildings don't have AED's. This purchase of 125 AEDs will place two at each Fire Department building, one with all Fire Suppression Teams, one with the appropriate Sheriff's Deputies and throughout Sheriff offices, detention center and prison, and place them in certain York County buildings for a quick and efficient response for all of York County. Additionally, AED trainers are being purchased for first responders and non-first responders to use for training purposes.

AEDs are relied on heavily during cardiac events in York County. This device/PPE assists first responders and non-first responders by limiting contact with anyone that could have COVID-19 or have been exposed to this virus or another variant during emergency situations. This device makes the most of the limited manpower at cardiac events by assisting in the early CPR process before EMS arrives on scene. Additionally, by standardizing to this brand of AED, York County first responders will match the equipment used by Piedmont EMS, allowing for a quicker and seamless transition of the patient during a COVID and/or cardiac event.

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### PROJECT DELIVERY METHOD

AED's will be purchased from a third party vendor following appropriate York County procurement requirements.

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### INTENDED OUTCOMES

AED's will be deployed throughout York County buildings and to first responders in order to respond to COVID 19 and other medical emergencies.

**(OMITTED ON 11/2/21)**  
**EMERGENCY MANAGEMENT AED**

**PROJECT ID**  
1430-46062-690

**FUNDING AMOUNT**  
\$22,500.00

**EXPENDITURE  
CATEGORY**

1.5-Personal Protective  
Equipment

**APPROXIMATE  
PROJECT TIMELINE**

Sept. 2021-Nov. 2021

**STATUS OF PROJECT**

Not started

**ELIGIBILITY  
REFERENCE:**

IFR page 5 and 6  
<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

## PROJECT DESCRIPTION

The York County Office of Emergency Management (YCOEM) will purchase five Physio-Control LifePak 1000 ("LifePak 1000" or "LP100" Automated External Defibrillators (AED)). The LifePak 1000 is a versatile AED that provides an avenue to seamlessly transfer care from Basic Life Support (BLS) providers to Advanced Life Support (ALS) providers. This will allow us to minimize the number of responders in close proximity of an infected patient, reducing the number of responders and costly protective equipment that can be potentially exposed to COVID or other diseases.

## PROJECT OVERVIEW

The York County Office of Emergency Management operates three personnel who are able to function at the BLS pre-hospital care level. The ability of the aforementioned employees to respond at a basic life support level has proven vital during the county's response to the COVID-19 pandemic. This has been proven exceptionally beneficial with the strain that this pandemic has placed on Emergency Medical Services (EMS) both locally and nationally.

The purchase and deployment of the Physio-Control LifePak 1000 AED within the York County Office of Emergency Management will greatly improve the capabilities of the three providers in delivering BLS care to the citizens of York County. This will be especially pivotal in filling the "care gap" from 911 call to ambulance arrival during such trying times on EMS. The capabilities of the LifePak 1000 will aid paramedics in better diagnosing and treating all patients regardless of medical complaint. Further, the LifePak 1000 offers the ability to place three limb leads on the patient, regardless of their need for an AED. In having the aforementioned capabilities, BLS providers can pre-emptively place limb leads on the patient prior to ALS arrival, decreasing the time in which arriving ALS personnel can develop a working diagnosis. Further, the LifePak 1000 allows for the data from a resuscitation to be pulled and linked to the continued care log from ALS monitoring equipment. This drastically improves the patient care continuum, ultimately leading better patient outcomes.

## PROJECT DELIVERY METHOD

AED's will be purchased from a third party vendor following appropriate York County procurement requirements.

## INTENDED OUTCOMES

The York County Office of Emergency Management currently operates under the protocols developed by Dr. Melissa Kerg, MD. These protocols are used by Piedmont Medical Center – EMS and incorporate the use of the LifePak 1000. Thus, upon receipt of the LifePak 1000, the York County Office of Emergency Management will receive training by both the manufacturer and the YCOEM Training Officer. Once training has been completed, the monitors will be issued to the on staff BLS providers. At that point, they will be expected to be deployed in each paramedic's vehicle to respond to COVID 19 and other medical emergencies.

## Emergency management Monitor/Defibrillators

**PROJECT ID**  
**1430-46063-741**  
(Edited 11/2/21)

**FUNDING AMOUNT**  
**\$90,934.987**  
(Edited 11/22/21)

### **EXPENDITURE CATEGORY**

1.5-Personal Protective  
Equipment

### **APPROXIMATE PROJECT TIMELINE**

Sept. 2021-Feb. 2022 (Edited  
11/22/21)

### **STATUS OF PROJECT**

Approved by Council for purchase  
on Nov. 15, 2021 (Edited 11/2/21).

### **ELIGIBILITY REFERENCE:**

IFR page 5 and 6

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

**PROJECT DESCRIPTION:** The York County Office of Emergency Management (YCOEM) will purchase two Physio-Control LifePak 15 Monitor/Defibrillators ("LifePak 15" or "LP15"). The LifePak 15 is a robust patient diagnostic and treatment monitor that allows both Advanced Life Support (ALS) and Basic Life Support (BLS) personnel to assess and treat patients for a myriad of traumatic and medical emergencies. The York County Office of Emergency Management will deploy both of the LifePak 15's with the two National Registry Paramedics (NRP) employed within the office. This will allow us to minimize the number of responders in close proximity of an infected patient, reducing the number of responders and costly protective equipment that can be potentially exposed to COVID or other diseases.

**PROJECT OVERVIEW:** The York County Office of Emergency Management operates two personnel who are able to function at the Paramedic level in regards to pre-hospital medical care. The ability of the aforementioned employees to respond at an advanced life support level has proven vital during the county's response to the COVID-19 pandemic. This has been proven exceptionally beneficial with the strain that this pandemic has placed on Emergency Medical Services (EMS) both locally and nationally.

The purchase and deployment of the Physio-Control LifePak 15 Monitor/Defibrillator within the York County Office of Emergency Management will greatly improve the capabilities of the two paramedics in providing ALS care to the citizens of York County. This will be especially pivotal in filling the "care gap" from 911 call to ambulance arrival during such trying times on EMS. The capabilities of the LifePak 15 will aid paramedics in better diagnosing and treating all patients regardless of medical complaint. Further, the LifePak 15 offers the ability to transmit patient care information (vital signs and other diagnostic readings) to receiving hospitals and physicians that will be treating the patient. This drastically improves the patient care continuum, ultimately leading better patient outcomes.

To compound the strengths of the device, the LifePak 15 allows for its use as an Automated External Defibrillator (AED), allowing for BLS providers to use the monitor in cardiac arrest scenarios. This function limits the variations that an ALS provider would use, ultimately providing a safe and effective AED to be used in the absence of an ALS provider. All other ALS pre-hospital care agencies within York County use the LifePak 15. This is all expanded by a vast majority of BLS pre-hospital care agencies within York County use the Physio-Control LifePak 1000 AED. Continuity amongst diagnostic and treatment devices throughout the county aids in the patient care continuum. In situations wherein which patient care must be transferred, while the patient must remain connected to an AED or Monitor, the care transfer can occur with a simple unplugging and re-plugging of cables into a receiving providers LifePak. This is as opposed to having to replace precordial and limb leads, and/or hands-free external defibrillation/pacing pads.

### **PROJECT DELIVERY METHOD**

AED's will be purchased from a third party vendor following appropriate York County procurement requirements.

### **INTENDED OUTCOMES**

The York County Office of Emergency Management currently operates under the protocols developed by Dr. Melissa Kerg, MD. These protocols are used by Piedmont Medical Center – EMS and incorporate the use of the LifePak 15. LifePak 15 will be deployed in each paramedic's vehicle to assist with COVID-19 treatment and other emergency medical treatment.

## HIGHWAY 274 FORCE MAIN REPLACEMENT PROJECT

### **PROJECT ID** 1430-46081-453

### **APPROXIMATE FUNDING AMOUNT** TBD

As of July 31, 2021: Obligated  
\$200,888.78

### **EXPENDITURE CATEGORY**

5.2-Clean Water: Centralized  
Wastewater Collection &  
Conveyance

### **APPROXIMATE PROJECT TIMELINE**

05/17-1/23

Design Started: May 2017

Construction Started: January 2022

Completion date: January 2023

### **STATUS OF PROJECT**

Design & Permitting are complete. Easements and Rights-of Way have been obtained. Project expected to go out to bid in October, 2021

### **ELIGIBILITY REFERENCE:**

IFR pg. 17-18

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

**PROJECT DESCRIPTION:** Hwy 274 force main replacement (Blue Granite Customers plus contributing pump stations along Highway 274 north of Allison Creek Regional Pump Station.) includes installing a pipe that is in two pipe sizes. York County will increase the size of the pipe as go farther south because there are five more pump stations along the way that tie into this line as it goes from Crowders Creek Pump Station in Lake Wylie to Allison Creek Pump Station off Allison Creek Road. This will add more flow and; therefore, a larger size pipe is needed.

**PROJECT OVERVIEW:** The Lake Wylie area has seen a very quick population increase over the last ten years, along with the whole Highway 274 Corridor. With growth, comes more demand for water and for sewer service. That is why this project is a high priority for York County. The current pipe is showcasing certain data in flow, velocity, and at the pumps station showing it's quickly becoming undersized for this area. Therefore, a four mille 20 and 24 inch pipe line will replace a 12" pipe line that will soon be undersized and unable to handle the amount of flow from this part of the County.

To protect the environment, York County will include boring or directional drilling under streams and the lake to minimize environmental disturbance to install pipes. This project meets EPA Clean Water State Revolving Fund (CWSRF) and the State Drinking Water Revolving Fund.

This project will address climate change by smaller Pipes cannot convey as much waste water as a larger pipe, so a pump would have to run longer to convey a specified amount of waste water. By upsizing these force mains we can convey more waste water more quickly reduce pump run times, and thus reduce the energy needed to convey the waste water.

The "friction factor" or interior roughness in a pipe, which creates resistance to flow, increases in a pipe with age. By installing new piping, the "friction factor" is reduced, flow is smoother and easier. This reduces pump run times and reduces energy.

By installing new piping on these two force mains, we reduce the chances of there being a break in the line and polluting streams that contribute to the Catawba River Basin and Lake Wylie. Cleaner water reduces the amount of time, money and energy that has to be spent in treating this water for drinking water. This reduces energy consumption.

Additional information for Water and sewer projects (EC 5.1-5.15) to be added as determined.

**PROJECT DELIVERY METHOD:** The installation of this pipe will be done by a third party utility contractor.

The design by a Profession Engineer – Dewberry Engineering.

York County Procurement code will be adhered to.

In order to complete this project, York County will also use funds from its Water & Sewer capital projects fund.

### **INTENDED OUTCOMES**

York County will be able to pump larger amounts of sewer safely and effectively from the growing Lake Wyle/Hands Mill Highway area to 5,717 York County Water & Sewer and Blue Granite Customer Households & Business Customers.

**(OMITTED ON 11/2/21)**

**STEELE CREEK FORCE MAIN REPLACEMENT PROJECT**

**PROJECT ID**

1430-46082-453

**APPROXIMATE FUNDING AMOUNT**

TBD

As of 7/31/21

Obligated \$334,755.68

Expended \$120,055

**EXPENDITURE CATEGORY**

5.2-Clean Water: Centralized Wastewater Collection & Conveyance

**APPROXIMATE PROJECT TIMELINE**

5/20-6/223

Design: May 2020

Construction: December 2021

Completion: June 2023

**STATUS OF PROJECT**

Currently in design phase.

**ELIGIBILITY REFERENCE:**

IFR pg. 17-18

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

**PROJECT DESCRIPTION:** This project will replace an old existing 20 inch force main that runs from the Steele Creek Pump Station to Rock Hill's Manchester Creek Waste Water Treatment Plant mainly south along Highway 21.

**PROJECT OVERVIEW:** The Fort Mill area has experienced a rapid population increase. **With growth, comes more demand for water and for sewer service.** York County has a new pump station with a lot of pumping capacity; however, because it is tied to an old force main, York county has to throttle it back so that it doesn't over pressurize the old main and create a break or a spill. York County needs to build a larger force main to handle the higher flows that will eventually need to come from the Steele Creek Pump Station. The Highway 21 Force main is around 25 years old. This line will soon be undersized and unable to handle the amount of flow from this part of the County. There are also sections of it that have broken. That is why this project is a high priority.

York County will construct a five mille 30 inch pipe line that will be replacing a current 20 inch pipe line. To protect the environment, York County will include boring or directional drilling under streams and the lake to minimize environmental disturbance to install pipes. This project meets EPA Clean Water State Revolving Fund (CWSRF) and the State Drinking Water Revolving Fund. This project supports efforts to address climate change by:

Smaller Pipes cannot convey as much waste water as a larger pipe, so a pump would have to run longer to convey a specified amount of waste water. By upsizing these force mains we can convey more waste water more quickly reducing pump run times, and thus reducing the energy needed to convey the waste water.

The "friction factor" or interior roughness in a pipe, which creates resistance to flow, increases in a pipe with age. By installing new piping, the "friction factor" is reduced, flow is smoother and easier. This reduces pump run times and reduces energy. By installing new piping on these two force mains, we reduce the chances of there being a break in the line and polluting streams that contribute to the Catawba River Basin and Lake Wylie. Cleaner water reduces the amount of time, money and energy that has to be spent in treating this water for drinking water. This reduces energy consumption. Additional information for Water and sewer projects (EC 5.1-5.15) to be added as determined.

**PROJECT DELIVERY METHOD:** The installation of this pipe will be done by a third party utility contractor. The design by a Profession Engineer and a Contractor (Design Build Project) – HDR Associates and State Utilities. York County Procurement code will be adhered to. In order to complete this project, York County will also use funds from its Water & Sewer capital projects fund.

**INTENDED OUTCOMES:** York County will be able to pump larger amounts of sewer safely and effectively from the growing Lake Wyle/Hands Mill Highway area to 5,717 York County Water & Sewer and Blue Granite Customer Households & Business Customers.

## Winding Path Road Stormwater Improvements

**PROJECT ID**  
1430-4690-453

**APPROXIMATE FUNDING AMOUNT**  
\$800,000

**EXPENDITURE CATEGORY**

5.6-Cleanwater: Stormwater

**APPROXIMATE PROJECT TIMELINE**

TBD

**STATUS OF PROJECT**

Not started

**ELIGIBILITY REFERENCE:**

IFR pg. 17-18

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

**PROJECT DESCRIPTION**

Provide stormwater improvements to Winding Path Road to reduce stormwater impacts to private properties.

**PROJECT OVERVIEW**

This project will address and remediate local stormwater flooding of single-family residential properties in the Forest Oaks Subdivision in Lake Wylie. Street and neighborhood stormwater management facilities are inadequate resulting in recurring nuisance complaints and damages. This project will include engineering design, permitting and construction of improvements to the residential street drainage system to reduce future impacts.

Environmental LID measures will be incorporated in the engineering design and construction to provide better system resiliency. This projects is considered to meet EPA Clean Water State Revolving Fund (CWSRF) eligibility requirements for stormwater management projects. Additional information for Water and sewer projects (EC 5.1-5.15) to be added as determined. This project will help improve resilience to the effects of climate change for it will look at increasing stormwater facility and drainage system capacity and capability to handle larger storm events and reduce localized flooding impacts to residents.

**PROJECT DELIVERY METHOD**

Award of engineering design to Third party Consultant is needed pending approval of funds request. York County Procurement Code will be adhered to.

**INTENDED OUTCOMES**

Improved stormwater management facility performance and reduction in property impacts for future storm events.

## Watershed Flood Prone Area Mapping

### PROJECT ID

1430-46091-451

### APPROXIMATE FUNDING AMOUNT

\$1,200,000.00

### EXPENDITURE CATEGORY

5.6-Cleanwater: Stormwater

### APPROXIMATE PROJECT TIMELINE

TBD

### STATUS OF PROJECT

Not started

### ELIGIBILITY REFERENCE:

IFR pg. 17-18

<https://www.govinfo.gov/content/pkg/FR-2021-05-17/pdf/2021-10283.pdf>

### PROJECT DESCRIPTION

Develop watershed flood prone area mapping to benefit the County in evaluating critical, high-risk areas outside of FEMA mapped Special Flood Hazard Areas (SFHAs), plan and identify potential remedial projects for better managing and supporting stormwater infrastructure and increasing resiliency.

### PROJECT OVERVIEW

With continued development and urbanization in York County, localized flooding of area streams and drainage features is more common due to land cover alterations and the inability of older stormwater infrastructure to safely pass runoff. Currently, FEMA has mapped existing stream and rivers to identify and delineate jurisdictional SFHAs. York County, under the National Flood Insurance Program (NFIP), uses these maps to regulate development within SFHAs. However, there are areas within each watershed where the Federal mapping is terminated. This project will identify those areas not mapped to develop the 100-year and 500-year flood limits thereby extending where the FEMA mapping ends. This project will help to identify those areas, provide information to existing property owners and flood insurance providers, and also aid the County in regulating future development. Additional information for Water and sewer projects (EC 5.1-5.15) to be added as determined. This will improve resilience to the effects of climate change by considering the 100 and 500 year storm event impacts of current development in areas outside of the mapped FEMA Special Flood Hazard Areas, and the impacts of current stormwater infrastructure in passing these storm events. This information will help the County address and manage future development in these high risk areas.

### PROJECT DELIVERY METHOD

Third party engineering consultant (TBD). York County Procurement Code will be adhered to.

### INTENDED OUTCOMES

Intended Outcomes (cleaner/safer water, less pipe breakages etc.) This projects is considered to meet EPA Clean Water State Revolving Fund (CWSRF) eligibility requirements for stormwater management and watershed priority projects.

Better public awareness of high risk flood areas outside of FEMA SFHAs, identification of critical areas for planning and future stormwater projects.