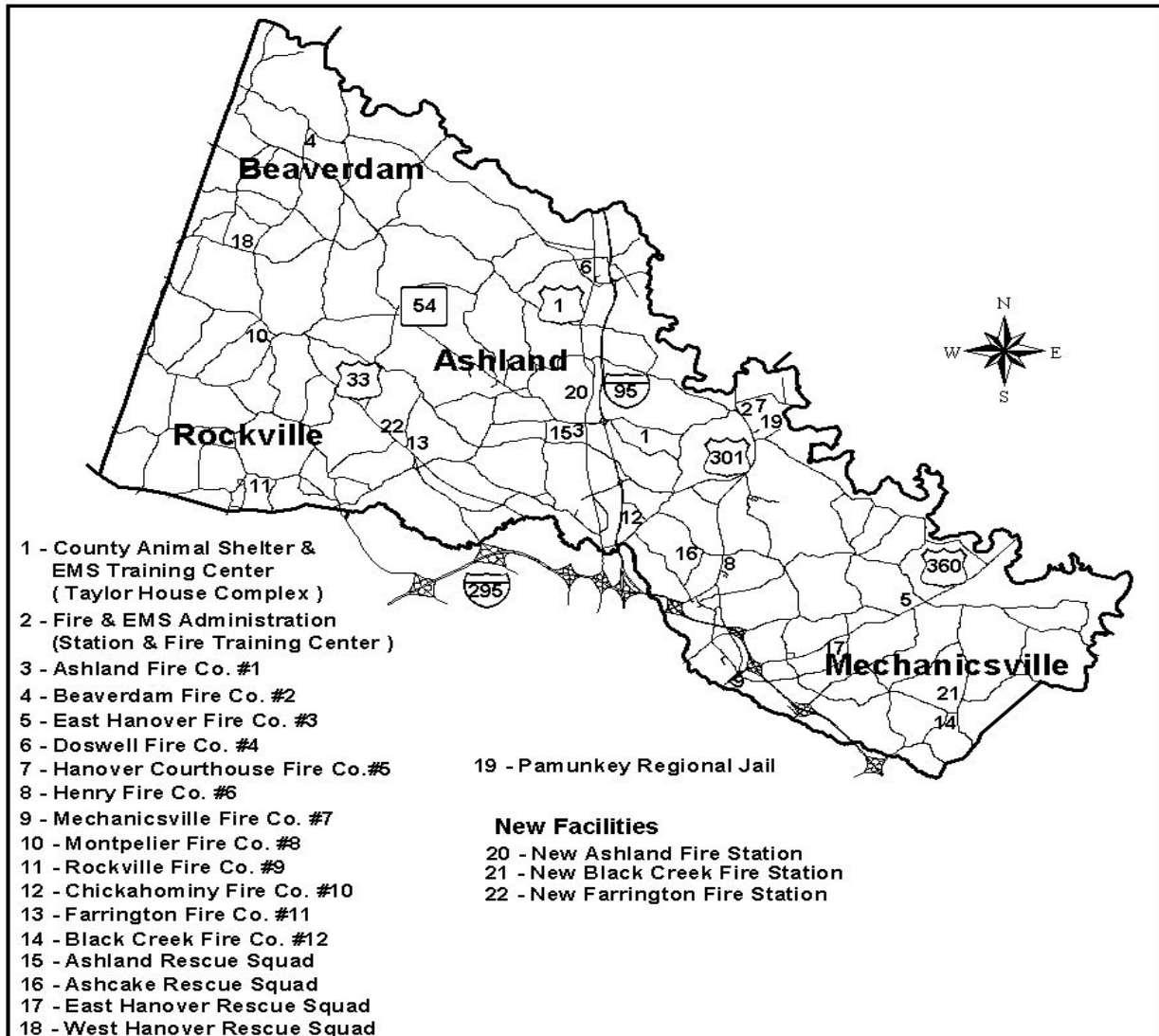


Public Safety

The existing Public Safety functions include the Sheriff, Emergency Communications, Community Corrections, Juvenile Court Services, and Building Inspector's Office located at the Hanover County Government Complex. In addition, the County provides facilities for the Animal Shelter and Emergency Medical Services Training Center at the Taylor House Complex (1). Fire and Emergency Medical Services administration are located at the Hanover Courthouse Station (2), and Fire Training Center (2). The twelve fire stations are: Ashland Co. #1 (3), Beaverdam Co. #2 (4), Black Creek Co. #12 (14), Chickahominy Co. #10 (12), Doswell Co. #4 (6), East Hanover Co. #3 (5), Farrington Co. #11 (13), Hanover Courthouse Co. #5 (7), Henry Co. #6 (8), Mechanicsville Co. #7 (9), Montpelier Co. #8 (10), Rockville Co. #9 (11). The six rescue squads are: Ashland (15), Ashcake (16), East Hanover (17), West Hanover (18), Ashland Fire Station (20), and Farrington Fire Station (22). The County participates in the Pamunkey Regional Jail (19).

New facilities in CIP: Black Creek Fire Station (21).



Emergency Communications

FUNCTIONAL AREA: Public Safety

DEPARTMENT: Emergency Communications

PROJECT: Communications System and Facility

LOCATION: Countywide Project

**DESCRIPTION/
JUSTIFICATION:** Bond Referendum project to replace the current public safety radio system and facility with a modern system and facility. The new system will incorporate current digital technology and improve reliability, coverage, system security, and the ability to communicate with other jurisdictions. The current system is at the end of its expected operational life. Because of its outdated technology, many replacement parts and components are no longer available. The County's communications system is used by law enforcement, Fire/EMS, school bus drivers, animal control and utility workers and is essential for all personnel who respond to emergencies and disaster situations. It currently handles about 160,000 calls per day among all users. The current system has "dead spots" throughout the County where emergency responders have no contact with the dispatcher. A goal of the new digital system is to eliminate "dead spots" and provide reliable transmission throughout the County and with public safety personnel in neighboring jurisdictions, allowing emergency personnel to relay critical information. Prior year allocations have been used to secure land, design/engineering services, communications equipment and tower construction.

The total cost of this project was anticipated to cost \$33,432,000. Due to rising construction and equipment costs a final appropriation of \$1.7 million will be needed in FY09 to complete the Communications System and Facility Project. \$1.5 million from the General Fund and \$200,000 of recovered cost from the Town of Ashland and Randolph-Macon.

TIMETABLE: Completion of the 911 Center is scheduled for Spring of 09 with completion of the communications system scheduled for late 09

PY ALLOCATION: FY06 \$1,875,000 (General Fund), FY07 \$28,000,000 (\$26M Debt. \$2M General Fund), FY08 \$3,557,000 (General Fund)

OPERATING IMPACT: \$1,000,000 annual for maintenance, \$74,000 annually for electrical service and \$84,000.00 for annual

	FY09	FY10	FY11	FY12	FY13	Total
Funding Sources						
General	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000
Recovered Cost	200,000	-	-	-	-	200,000
Total Funding Sources	\$ 1,700,000	\$ -	\$ -	\$ -	\$ -	\$ 1,700,000
Funding Uses						
Construction	\$ 1,700,000	\$ -	\$ -	\$ -	\$ -	\$ 1,700,000
Total Funding Uses	\$ 1,700,000	\$ -	\$ -	\$ -	\$ -	\$ 1,700,000

Emergency Communications

FUNCTIONAL AREA: Public Safety

DEPARTMENT: Emergency Communications

PROJECT: Radio System Asset Management

LOCATION: Emergency Communications Center 7522 County Complex Road, Hanover, VA 23069 and the Hanover County Radio Shop 11375 North Lakeridge PKWY, Ashland, VA 23005

**DESCRIPTION/
JUSTIFICATION:** This software will help to manage and track radio system assets. This software will be used to inventory all subscriber radio equipment, track all repairs and maintenance performed on the various radios and track the amount of time spent performing repairs and maintenance on each piece of radio equipment. It is imperative to the public safety operation that all radio equipment is entered into the system and properly maintained.

TIMETABLE: Purchase July 2010 implement 1st Quarter FY11

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

	FY09	FY10	FY11	FY12	FY13	Total
Funding Sources						
General	\$ -	\$ -	\$ 105,000	\$ -	\$ -	\$ 105,000
Total Funding Sources	\$ -	\$ -	\$ 105,000	\$ -	\$ -	\$ 105,000
Funding Uses						
Equipment	\$ -	\$ -	\$ 105,000	\$ -	\$ -	\$ 105,000
Total Funding Uses	\$ -	\$ -	\$ 105,000	\$ -	\$ -	\$ 105,000

Emergency Communications

FUNCTIONAL AREA: Public Safety

DEPARTMENT: Emergency Communications

PROJECT: Communication Fiber Infrastructure

LOCATION: Taylor Complex and the Courthouse Complex

**DESCRIPTION/
JUSTIFICATION:** This project will involve installing Fiber Optic cables between the Taylor Complex and Courthouse Complex and the upgrade of existing fiber optic cables at the Courthouse Complex. The Fiber Optic installation will complete a true ring for County facilities providing redundancy in telecommunications infrastructure. Should a fiber break, information can be routed in opposite direction without a loss of telecommunication services.

TIMETABLE: Design and Construction are expected to begin in Fall 2010 and completed by Spring 2011

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

	FY09	FY10	FY11	FY12	FY13	Total
Funding Sources						
General	\$ -	\$ -	\$ 235,000	\$ -	\$ -	\$ 235,000
Total Funding Sources	\$ -	\$ -	\$ 235,000	\$ -	\$ -	\$ 235,000
Funding Uses						
Professional Services	\$ -	\$ -	\$ 235,000	\$ -	\$ -	\$ 235,000
Total Funding Uses	\$ -	\$ -	\$ 235,000	\$ -	\$ -	\$ 235,000

Fire/EMS

FUNCTIONAL AREA: Public Safety

DEPARTMENT: Fire/EMS

PROJECT: Black Creek Fire Station

LOCATION: McClellan Road, a half mile west of current location

DESCRIPTION/ JUSTIFICATION: Bond Referendum project to build an 11,750 square foot fire station to replace the current 4,500 square foot station on 6.5 acres of land currently owned by the county. The current facility was constructed by the volunteers in 1979 and is too small to house today's Fire/EMS apparatus, which are built to a higher industry standard. The replacement station will be designed to properly accommodate both fire and rescue apparatus. Bay areas are cramped making it more difficult for crews to access fire gear. Bay area in the new station will be large enough to house the larger apparatus and will improve personnel access to apparatus. The station will provide available on-site training space. The current station has inadequate sleeping quarters and other living space for emergency personnel. The replacement station will include shower facilities, additional office space and living quarters, separate sleeping quarters, and additional parking. Although this construction will not directly improve station response times, it is anticipated that improved living and working space can improve volunteer firefighter recruitment and retention.

TIMETABLE: Project start Fall 2009, completion Summer 2011

PY ALLOCATION: \$0

OPERATING IMPACT: \$17,000 annually in utilities

	FY09	FY10	FY11	FY12	FY13	Total
Funding Sources						
Cash Proffers	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000
Debt Financing	-	2,650,000	-	-	-	2,650,000
Total Funding Sources	\$ -	\$3,150,000	\$ -	\$ -	\$ -	\$ 3,150,000
Funding Uses						
Construction	\$ -	\$3,150,000	\$ -	\$ -	\$ -	\$ 3,150,000
Total Funding Uses	\$ -	\$3,150,000	\$ -	\$ -	\$ -	\$ 3,150,000

Fire/EMS

FUNCTIONAL AREA: Public Safety

DEPARTMENT: Fire EMS

PROJECT: Fire Engine and Heavy Squad Replacement

LOCATION: Fire Stations in Hanover County

**DESCRIPTION/
JUSTIFICATION:** The County operates a fleet of 21 engines, five (5) tankers, three (3) ladder trucks and miscellaneous air utility vehicles, brush trucks, heavy duty squad trucks, first responder all purpose vehicles and a mobile command unit. The current replacement plan envisions a 10 year useful life for engines, a 15 year useful life for ladder trucks, and a 15 year useful life for tankers. To maintain this plan it is necessary to replace two engines per year within the five year plan. The engines in this rotation are the first line engines for fire and medical response from the County fire stations. They have a capacity of 750 gallons of water, 2,000 gallon per minute pump, 2,000 feet of assorted hose, breathing apparatus and the capability of transporting six fire fighters to emergency scenes. This plan will not expand the current fleet of fire engines beyond the 21 currently in operation.

TIMETABLE: Two fire engines would be replaced each year with a projected delivery 270 days from the date of purchase.

PY ALLOCATION: \$975,000

OPERATING IMPACT: \$0

	FY09	FY10	FY11	FY12	FY13	Total
Funding Sources						
General	\$1,040,000	\$1,065,000	\$1,091,000	\$1,117,000	\$1,143,000	\$5,456,000
Total Funding Sources	\$1,040,000	\$1,065,000	\$1,091,000	\$1,117,000	\$1,143,000	\$5,456,000
Funding Uses						
Vehicles	\$1,040,000	\$1,065,000	\$1,091,000	\$1,117,000	\$1,143,000	\$5,456,000
Total Funding Uses	\$1,040,000	\$1,065,000	\$1,091,000	\$1,117,000	\$1,143,000	\$5,456,000

Fire/EMS

FUNCTIONAL AREA: Public Safety

DEPARTMENT: Fire/EMS

PROJECT: Ambulance Replacement

LOCATION: Ambulances in the County

**DESCRIPTION/
JUSTIFICATION:** Hanover County currently operates 21 ambulances from 9 stations with planned expansion to 12 stations. The fleet will remain at 21 ambulances. Ambulances are chosen for replacement based on estimated costs to maintain, mileage, age, and number of previous chassis applied to the ambulance. All ambulances will be outfitted to advanced life support standards. Expected useful life is 15 years with proper maintenance.

TIMETABLE: Two ambulances per year.

PY ALLOCATION: \$165,000

OPERATING IMPACT: \$0

	FY09	FY10	FY11	FY12	FY13	Total
Funding Sources						
General	\$346,000	\$356,000	\$ 366,000	\$ 376,000	\$ 386,000	\$ 1,830,000
Total Funding Sources	\$346,000	\$356,000	\$ 366,000	\$ 376,000	\$ 386,000	\$ 1,830,000
Funding Uses						
Vehicles	\$346,000	\$356,000	\$ 366,000	\$ 376,000	\$ 386,000	\$ 1,830,000
Total Funding Uses	\$346,000	\$356,000	\$ 366,000	\$ 376,000	\$ 386,000	\$ 1,830,000