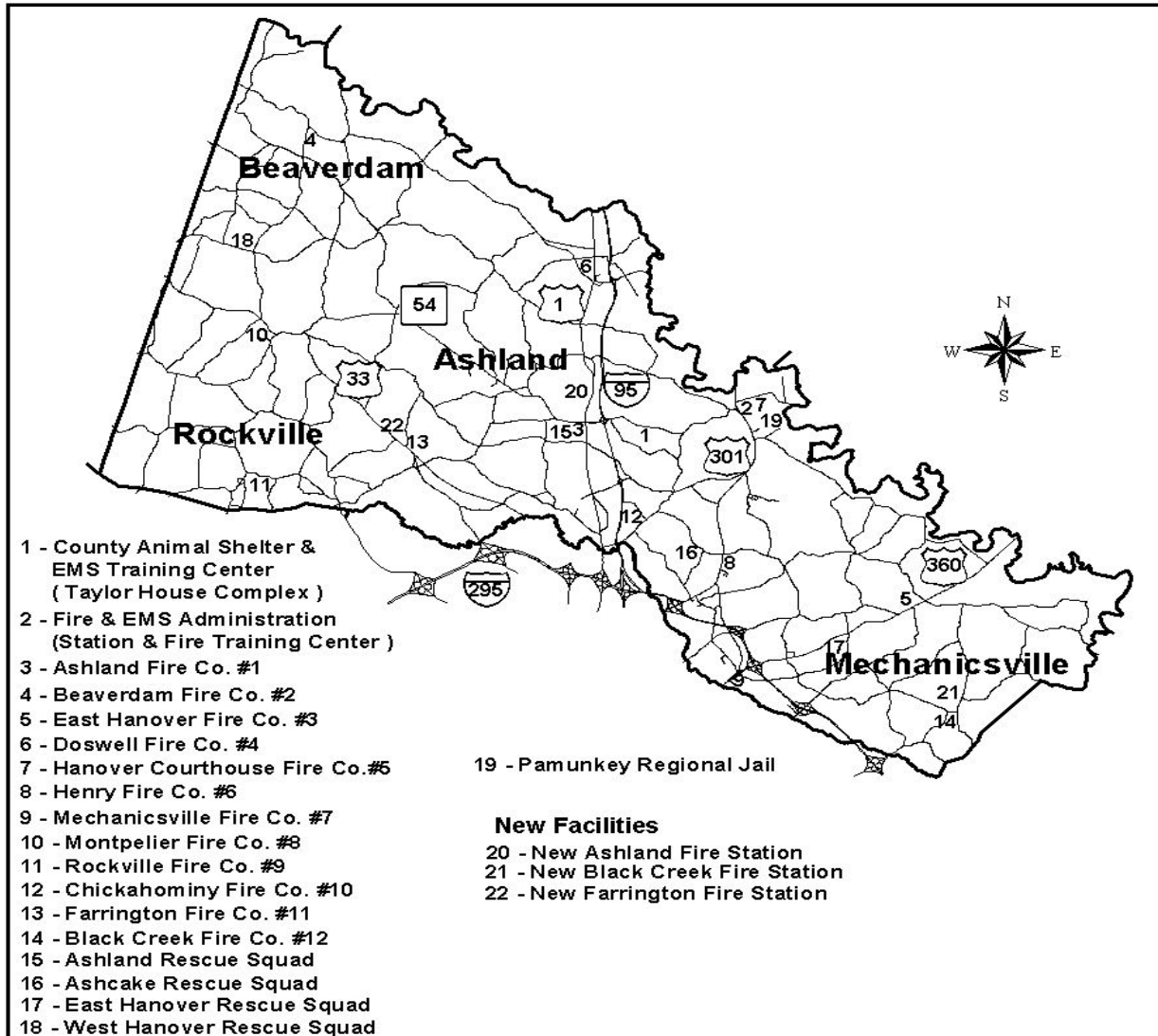


Public Safety Facilities

The existing Public Safety functions include the Sheriff, Emergency Communications, Probation, 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 four rescue squads are: Ashland (15), Ashcake (16), East Hanover (17), West Hanover (18). The County participates in the Pamunkey Regional Jail (19).

New facilities in CIP: Ashland Fire Station (20), Black Creek Fire Station (21), and Farrington Fire Station (22).



PUBLIC SAFETY



SHERIFF: STORAGE FACILITY

LOCATION: Sheriff's Office Firing Range Complex

DESCRIPTION: This will be a 3,200 square foot, steel frame, metal siding warehouse to store our special use vehicles, which include our High Risk Entry Team Van, Hostage Negotiation Van and Dive Team Van and Boat. This structure will also have much needed room for equipment storage and will occasionally provide a venue for practical training exercises.

TIMETABLE: Revise site plan with Planning Department by August, RFP issued in September, contract awarded in October, structure completed by January 2005.

PY ALLOCATION: \$0

OPERATING IMPACT: \$600 in electric utilities

FUNDING USES: See table below

	FY05	FY06	FY07	FY08	FY09	Totals
Funding Sources						
General Fund	96,000	-	-	-	-	\$ 96,000
Total Funding Sources	\$ 96,000	\$ -	\$ -	\$ -	\$ -	\$ 96,000
Funding Uses						
Construction	96,000	-	-	-	-	96,000
Total Funding Uses	\$ 96,000	\$ -	\$ -	\$ -	\$ -	\$ 96,000

EMERGENCY COMMUNICATIONS: CHANNEL BANK EQUIPMENT REPLACEMENT

LOCATION: The four transmitter sites that are located at Poor Farm Park, Pole Green Park, Montpelier and Courthouse.

DESCRIPTION: This project will involve replacing the remainder of the channel bank equipment that is used in the simulcast operation. The channel bank equipment is used with the microwave system to send signals and data from site to site. In FY03, we replaced all of the channel bank equipment between Poor Farm and Dispatch. In FY05, we anticipate replacing the equipment located between Poor Farm and the East End site. In FY06, we anticipate replacing the equipment between the Poor Farm and Montpelier site as well as the equipment located between the Poor Farm and Courthouse site.

TIMETABLE: RFP issued in July.

PY ALLOCATION: \$100,000 in FY03

OPERATING IMPACT: \$0

FUNDING USES: See table below

	FY05	FY06	FY07	FY08	FY09	Totals
Funding Sources						
General Fund	100,000	200,000	-	-	-	300,000
Total Funding Sources	\$ 100,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 300,000
Funding Uses						
Equipment	100,000	200,000	-	-	-	300,000
Total Funding Uses	\$ 100,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 300,000

EMERGENCY COMMUNICATIONS: COMMUNICATIONS SYSTEM

LOCATION: Countywide Public Safety Radio System Project

DESCRIPTION: To best meet the needs of our public safety and law enforcement personnel, the Emergency Communications Department in conjunction with the Radio System User Agencies is proposing to replace the County's two-way, public safety radio system, with a system that incorporates digital radio technology and which incorporates interoperability capabilities and radio system standards developed by the International Association of Public Safety Communications Officials. The project will involve, but not be limited to, purchasing new fixed and non-fixed radio equipment; installing new radio transmitter equipment/antenna systems at each of the current tower and transmitter sites; adding and equipping 5 additional tower and transmitter sites; replacing the non-fixed mobile and portable radios; purchasing land, towers, equipment shelters, fencing, emergency generators and microwave equipment; installing new dispatch consoles and control room equipment.

TIMETABLE: FY-07 and FY-08

PY ALLOCATION: \$0

OPERATING IMPACT: A substantial increase in annual maintenance, electrical services, and non-fixed radio equipment replacement.

FUNDING USES: See table below

	FY05	FY06	FY07	FY08	FY09	Totals
Funding Sources						
Long Term Debt	-	-	8,500,000	16,500,000	-	25,000,000
Total Funding Sources	\$ -	\$ -	\$ 8,500,000	\$ 16,500,000	\$ -	\$ 25,000,000
Funding Uses						
Construction	-	-	4,000,000	-	-	4,000,000
Professional Services	-	-	500,000	-	-	500,000
Land	-	-	1,000,000	-	-	1,000,000
Equipment	-	-	3,000,000	16,500,000	-	19,500,000
Total Funding Uses	\$ -	\$ -	\$ 8,500,000	\$ 16,500,000	\$ -	\$ 25,000,000

FIRE/EMS: ASHLAND FIRE STATION

LOCATION: Archie Cannon Road (600 yards west of the intersection of US 1 and Archie Cannon Road)

DESCRIPTION: The Ashland Fire Station was constructed in 1967 by the volunteers. The current 6300 sq. foot landlocked facility is too small to house today's fire apparatus nor does it meet the Americans with Disabilities Act (ADA) requirements on accessibility of community/public buildings. The current facility is further limited by a lack of adequate sleeping quarters, office space and parking space; there are only seven (7) parking spaces for a squad that has over 45 active members. The station operates with volunteer personnel daily with some career staffing when specifically requested by the volunteer officers. The Ashland Fire Station has a call load in 2002 of 1,481 calls making it the second highest running fire company of the 12 companies in the department. The proposed facility would be a 9,750 square foot facility seated on 2.481 acres of land. The new site, located next to John M. Gandy school, provides good access to Washington Highway and the Interstate.

TIMETABLE: Project start Spring 2007, completion Summer 2008

PY ALLOCATION: \$0

OPERATING IMPACT: \$18,000 annually for utilities

FUNDING USES: See table below

	FY05	FY06	FY07	FY08	FY09	Totals
Funding Sources						
Long Term Debt	-		1,821,000	-	-	1,821,000
Total Funding Sources	\$ -	\$ -	\$ 1,821,000	\$ -	\$ -	\$ 1,821,000
Funding Uses						
Construction	-	-	1,821,000	-	-	1,821,000
Total Funding Uses	\$ -	\$ -	\$ 1,821,000	\$ -	\$ -	\$ 1,821,000

FIRE/EMS: FARRINGTON FIRE STATION

LOCATION: Mountain Road (west of Farrington Road in the 12400 block)

DESCRIPTION: The Farrington station was constructed by volunteers in 1979 and is currently owned by the volunteer department. The 4,400 square foot building is too small to house today's fire apparatus nor does it meet the Americans with Disabilities Act (ADA) requirements on accessibility for community/public buildings. In addition to the apparatus area, the bathroom and bunkroom facilities do not adequately accommodate both male and female firefighters. An engine, tanker, brush vehicle, utility vehicle and car operate from this facility. The proposed facility would be a 16,785 square foot facility seated on 8.213 acres of land. The land has already been acquired and is located in close proximity to the current location; this location provides direct access to Mountain Road.

TIMETABLE: Planning in 2006 with construction starting spring 2007 with completion spring/summer 2008

PY ALLOCATION: \$75,000 for Land

OPERATING IMPACT: \$18,000 in utilities

FUNDING USES: See table below

	FY05	FY06	FY07	FY08	FY09	Totals
Funding Sources						
Long Term Debt	-	-	2,377,000	-	-	2,377,000
Total Funding Sources	\$ -	\$ -	\$ 2,377,000	\$ -	\$ -	\$ 2,377,000
Funding Uses						
Construction	-	-	2,377,000	-	-	2,377,000
Total Funding Uses	\$ -	\$ -	\$ 2,377,000	\$ -	\$ -	\$ 2,377,000

FIRE/EMS: FIRE APPARATUS

LOCATION: Countywide

DESCRIPTION: The County utilizes several types of fire apparatus vehicles in carrying out its fire protection and suppression activities. The County employs pumpers, tankers, aerial ladder trucks, air utility vehicles, brush trucks, heavy duty squad trucks, first responder all purpose vehicles and a mobile command unit. Several of these apparatus have reached the end of their useful and/or functional life. Based on overall vehicle condition, the following replacement vehicles will be needed over the next five (5) years.

TIMETABLE: **Aerial Ladder Truck:** Order in Fall 2004 with delivery in the Winter of 2004.
Fire Engine: replace 2 pumpers in FY06, FY08 and FY09; replace 1 pumper in FY07.
Heavy Duty Squad Truck: replace 1 truck in FY06 and 1 truck in FY07.
Large Capacity Tanker: replace 1 tanker in FY07 and 1 tanker in FY08.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES: See table below

	FY05	FY06	FY07	FY08	FY09	Totals
Funding Sources						
General Fund	720,000	950,000	945,000	1,085,000	770,000	4,470,000
Total Funding Sources	\$ 720,000	\$ 950,000	\$945,000	\$1,085,000	\$ 770,000	\$ 4,470,000
Funding Uses						
Aerial Ladder Truck	720,000	-	-	-	-	720,000
Fire Engines	-	700,000	355,000	760,000	770,000	2,585,000
Heavy Duty Squad Trucks	-	250,000	275,000	-	-	525,000
Large Capacity Tankers	-	-	315,000	325,000	-	640,000
Total Funding Uses	\$ 720,000	\$ 950,000	\$945,000	\$1,085,000	\$ 770,000	\$ 4,470,000

FIRE/EMS EXISTING VEHICLE INVENTORY

EXISTING VEHICLES BY LOCATION

FIRE VEHICLES

Company	Pumper	Tanker	Aerial Ladder	Air Util	Util	Brush Truck	Brush Jeep	HD Squad Truck	1st Resp All Purp	1st Resp Suburb	Mobile Command
Ashland	2		1				1	1	1		
Beaverdam	1	1			1	1					
East Hanover	1	1			1	1					
Doswell	1	1					1		1		
Courthouse	1	1		1		1					
Henry	2		1				1		1		
Mechanicsville	2		1		1			1	1		
Montpelier	1	2	1				1		1		
Rockville	1	1			1	1					
Chickahominy	1	1					1	1			1
Farrington	1	1			1		1				
Black Creek	1	1			1	1				1	
Reserve	2	1									
TOTAL	17	11	4	1	6	5	6	3	5	1	1

EMS VEHICLES

Location	Ambulances	QRV's	Crash Truck
Ashcake	4		1
Ashland	5		1
East Hanover	5	2	1
West Hanover	5	1	
TOTAL	19	3	3

FIRE/EMS: TRAINING CENTER IMPROVEMENTS

LOCATION: 13038 Winston Rd., Ashland, Virginia

DESCRIPTION: There are three 20 year old trailers and a single seat "outhouse" style bathroom at this facility. The funds would provide for septic system replacement and the installation of a shower/bathroom trailer for use by firefighters completing training or during day long training evolutions.

TIMETABLE: Septic Field improvements: First quarter FY05 with trailer installation in second quarter.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES: See table below

	FY05	FY06	FY07	FY08	FY09	Totals
Funding Sources						
Cash Proffers	100,000	-	-	-	-	100,000
Total Funding Sources	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Funding Uses						
Construction: Septic Field	60,000	-	-	-	-	60,000
Equipment	40,000	-	-	-	-	40,000
Total Funding Uses	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000

FIRE/EMS: RECORDS MANAGEMENT

LOCATION: County Wide

DESCRIPTION: Current operational procedures require firefighters take fire incident information back to their station house and enter the data into a computer database. This project would move the fire data to portable machines. The firefighter would also have enhanced data/communications as well as enhanced hazardous materials information. The incident commanders would have access to details about high risk structures/as well as digital floor plans. In addition, critical time will be saved when patient information is transmitted directly to the arriving ambulance.

TIMETABLE: Installation of hardware and software components would begin in FY06

PY ALLOCATION: \$250,000 in FY 01

OPERATING IMPACT: \$0

FUNDING USES: See table below

	FY05	FY06	FY07	FY08	FY09	Totals
Funding Sources						
General Fund	-	185,000	185,000	200,000	-	570,000
Total Funding Sources	\$ -	\$185,000	\$185,000	\$200,000	\$ -	\$ 570,000
Funding Uses						
Equipment	-	123,500	123,500	-	-	247,000
Other Uses:						
Computer Software	-	50,000	50,000	200,000	-	300,000
Installation	-	11,500	11,500	-	-	23,000
Total Funding Uses	\$ -	\$185,000	\$185,000	\$200,000	\$ -	\$ 570,000

FIRE/EMS: AMBULANCE REPLACEMENT

LOCATION: Ambulances in the County

DESCRIPTION: Hanover County operates 19 ambulances based at four stations. These ambulances are scheduled for replacement at the end of 16 years of service. Ambulances are chosen for replacement based on estimated costs to maintain and number of previous chassis applied to the ambulance. In recent years, the cost to re-chassis an ambulance has escalated to the point where it only provides a marginal cost benefit over ambulance replacement.

TIMETABLE: FY05 and FY09: Two ambulances are scheduled for replacement in each of these years.
 FY06 and FY07: One ambulance is scheduled for replacement in each of these years.

PY ALLOCATION: \$160,000 in FY04 for Ambulance Chassis

OPERATING IMPACT: \$0

FUNDING USES: See table below

	FY05	FY06	FY07	FY08	FY09	Totals
Funding Sources						
General Fund	-	150,000	155,000	-	330,000	635,000
Cash Proffers	240,000	-	-	-	-	240,000
Total Funding Sources	\$ 240,000	\$ 150,000	\$ 155,000	\$ -	\$ 330,000	\$ 875,000
Funding Uses						
Vehicle	240,000	150,000	155,000	-	330,000	875,000
Total Funding Uses	\$ 240,000	\$ 150,000	\$ 155,000	\$ -	\$ 330,000	\$ 875,000