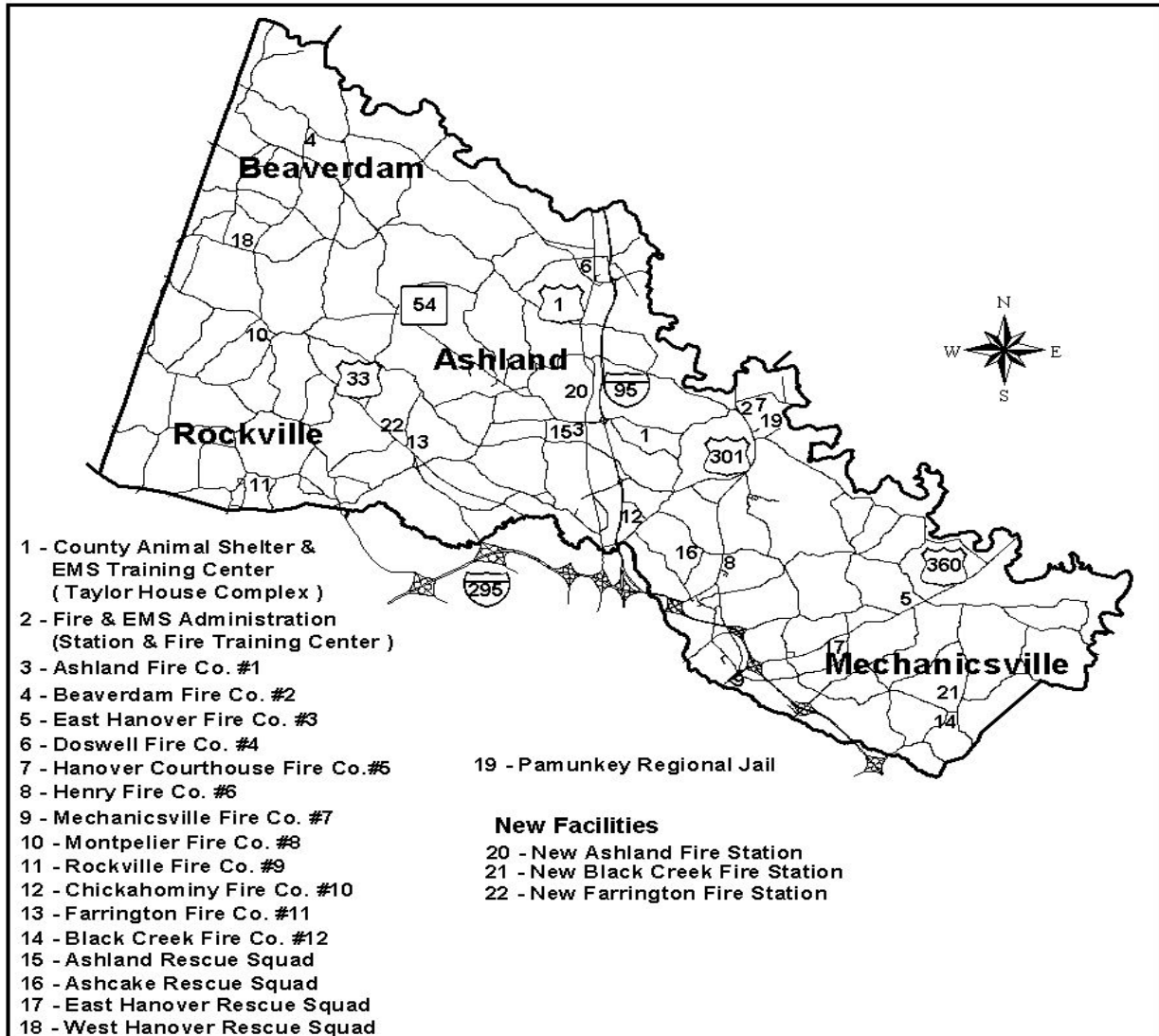


## Public Safety Facilities

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).



# Emergency Communications

**PROJECT:** Communications System and Facility

**LOCATION:** Countywide Public Safety Radio System Project

**DESCRIPTION:** The Emergency Communications Department, in conjunction with the Radio System User Agencies working group, is proposing to replace the County's public safety radio system with a system that incorporates digital radio technology, interoperability capabilities with surrounding localities, and standards developed by Association of Public Communications Officials International. The project will involve purchasing new fixed and non-fixed radio equipment; installing new radio transmitter equipment/antenna systems at selected sites; replacing the non-fixed mobile portable radios; purchasing land, towers, equipment shelters, fencing, emergency generators and microwave equipment; installing new dispatch consoles and control room equipment.

**OPERATING IMPACT:** Approximately \$1,000,000 annually for maintenance and \$74,000 in electrical services.

**FUNDING USES:**

	FY06	FY07	FY08	FY09	FY10	Totals
<b>Funding Sources</b>						
General	\$ 1,625,000	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 500,000	\$ 4,125,000
Long Term Debt	-	-	1,000,000	12,400,000	9,975,000	23,375,000
<b>Total Funding Sources</b>	<b>\$ 1,625,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 13,400,000</b>	<b>\$ 10,475,000</b>	<b>\$ 27,500,000</b>
<b>Funding Uses</b>						
Construction	\$ 275,000	\$ 1,000,000	\$ 1,000,000	\$ 2,300,000	\$ -	\$ 4,575,000
Professional Services	350,000	-	-	200,000	-	550,000
Land	1,000,000	-	-	-	-	1,000,000
Equipment	-	-	-	10,900,000	10,475,000	21,375,000
<b>Total Funding Uses</b>	<b>\$ 1,625,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 13,400,000</b>	<b>\$ 10,475,000</b>	<b>\$ 27,500,000</b>

# Emergency Communications

**PROJECT:** Emergency Protocol Dispatch System

**LOCATION:** Emergency Communications Center, 7522 County Complex Road

**DESCRIPTION:** Emergency Protocol Dispatch System is a critical life saving tool. It assures the appropriate medical questions are asked the caller by the dispatcher, the appropriate medical units are dispatched, and the appropriate pre-arrival instructions are given. These services are currently provided using a manual emergency medical dispatch procedure. Although this system works, it is cumbersome and does not provide the needed safeguards to assure all EMS calls are handled in a consistent and timely manner. The automated EMD software is designed to speed up the EMS call taking and dispatching process and incorporate the needed safeguards. This project is being requested by the Fire/EMS Department and the County's medical director. The project will also involve adding modules for police and fire call taking in FY07 and FY08.

**PY ALLOCATION:** \$0

**OPERATING IMPACT:** Ongoing Annual Maintenance

**FUNDING USES:**

	FY06	FY07	FY08	FY09	FY10	Totals
<b>Funding Sources</b>						
General	\$ 50,000	\$ 27,000	\$ 45,000	\$ -	\$ -	\$ 122,000
State Grant	50,000	27,000	45,000	-	-	122,000
<b>Total Funding Sources</b>	<b>\$ 100,000</b>	<b>\$ 54,000</b>	<b>\$ 90,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 244,000</b>
<b>Funding Uses</b>						
Equipment	\$ 100,000	\$ 54,000	\$ 90,000	\$ -	\$ -	\$ 244,000
<b>Total Funding Uses</b>	<b>\$ 100,000</b>	<b>\$ 54,000</b>	<b>\$ 90,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 244,000</b>

# Emergency Communications

**PROJECT:** Channel Bank Equipment Replacement

**LOCATION:** Each of the County's four tower and transmitter sites

**DESCRIPTION:** This project involves replacing the remainder of the channel bank equipment 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, all of the channel bank equipment was replaced between Poor Farm and central dispatch. In FY05, the equipment located between Poor Farm and the East End site was replaced. In FY06, the equipment between the Poor Farm and Montpelier site as well as the equipment located between the Poor Farm and Courthouse site will be replaced.

**PY ALLOCATION:** \$ 100,000

**OPERATING IMPACT:** \$0

**FUNDING USES:**

	FY06	FY07	FY08	FY09	FY10	Totals
<b>Funding Sources</b>						
General	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
<b>Total Funding Sources</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>
<b>Funding Uses</b>						
Equipment	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
<b>Total Funding Uses</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>

# Fire/EMS

**PROJECT:** 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 upon overall vehicle condition, the following replacement vehicles will be needed over the next fire (5) years.

The County anticipates purchasing 1,000 gallon tank fire engines (pumpers), with a pumping capacity of 1,250 gallons per minute. Tankers will have a 3,000 to 3,500 gallon tank. This equipment will aid in the department's goal of having 3,500 gallons of water per minute available on a fire scene within 9 minutes.

Heavy duty squad trucks carry speciality tools, extracation equipment, and breathing apparatus.

**TIMETABLE:** Fire Engine: Replace 2 in FY07, FY08, and FY09; three engines in FY10.  
 Heavy Duty Squad Truck: Replace 1 in FY06 and FY07.  
 Large Capacity Tanker: Replace 2 in FY06.

**PY ALLOCATION:** Ongoing annual expenditure with \$720,000 appropriated in FY05.

**OPERATING IMPACT:** \$0

**FUNDING USES:**

	FY06	FY07	FY08	FY09	FY10	Totals
<b>Funding Sources</b>						
General	\$ 800,000	\$ 950,000	\$ 975,000	\$ 970,000	\$ 1,000,000	\$ 4,695,000
Cash Proffers	100,000	-	-	-	-	100,000
<b>Total Funding Sources</b>	<b>\$ 900,000</b>	<b>\$ 950,000</b>	<b>\$ 975,000</b>	<b>\$ 970,000</b>	<b>\$ 1,000,000</b>	<b>\$ 4,795,000</b>
<b>Funding Uses</b>						
Vehicle	\$ 900,000	\$ 950,000	\$ 975,000	\$ 970,000	\$ 1,000,000	\$ 4,795,000
<b>Total Funding Uses</b>	<b>\$ 900,000</b>	<b>\$ 950,000</b>	<b>\$ 975,000</b>	<b>\$ 970,000</b>	<b>\$ 1,000,000</b>	<b>\$ 4,795,000</b>

# Fire/EMS

**PROJECT:** Ambulance Replacement

**LOCATION:** Countywide

**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:** One ambulance - FY06, FY08, FY09, FY10  
Two ambulances - FY07

**PY ALLOCATION:** Ongoing annual expenditure with \$240,000 in FY05.

**OPERATING IMPACT:** None.

**FUNDING USES:**

	FY06	FY07	FY08	FY09	FY10	Totals
<b>Funding Sources</b>						
General	\$ -	\$ 65,000	\$ 165,000	\$ 165,000	\$ -	\$ 395,000
Cash Proffers	150,000	235,000	-	-	165,000	550,000
<b>Total Funding Sources</b>	<b>\$ 150,000</b>	<b>\$ 300,000</b>	<b>\$ 165,000</b>	<b>\$ 165,000</b>	<b>\$ 165,000</b>	<b>\$ 945,000</b>
<b>Funding Uses</b>						
Vehicle	\$ 150,000	\$ 300,000	\$ 165,000	\$ 165,000	\$ 165,000	\$ 945,000
<b>Total Funding Uses</b>	<b>\$ 150,000</b>	<b>\$ 300,000</b>	<b>\$ 165,000</b>	<b>\$ 165,000</b>	<b>\$ 165,000</b>	<b>\$ 945,000</b>

# Fire/EMS

**PROJECT:** Ashland Fire Station

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

**DESCRIPTION:** The Ashland Fire Station was constructed in 1967 by the volunteers. The current 6,300 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. The station operates with volunteer personnel daily with some career staffing when specifically requested by the volunteer officers. The proposed facility would be a 9,750 square foot facility seated on 2.5 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:** \$12,500 annually for utilities

**FUNDING USES:**

	FY06	FY07	FY08	FY09	FY10	Totals
<b>Funding Sources</b>						
Long Term Debt	\$ -	\$ 2,017,000	\$ -	\$ -	\$ -	\$ 2,017,000
Cash Proffers	-	250,000	-	-	-	250,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 2,267,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,267,000</b>
<b>Funding Uses</b>						
Construction	\$ -	\$ 2,167,000	\$ -	\$ -	\$ -	\$ 2,167,000
Professional Services	-	100,000	-	-	-	100,000
<b>Total Funding Uses</b>	<b>\$ -</b>	<b>\$ 2,267,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,267,000</b>

# Fire/EMS

**PROJECT:** Black Creek Fire Station

**LOCATION:** McClellan Road

**DESCRIPTION:** The Black Creek station was constructed by volunteers in 1979. The 4,500 square foot building is too small to house all fire/EMS apparatus and is not compliant with the American with Disabilities Act (ADA). The current station also lacks adequate bathroom/sleeping quarters for male and female firefighters. The proposed facility would be a 11,750 square foot facilities seated on 6.5 acres of land that is currently owned by the County.

**TIMETABLE:** Construction starting Spring 2010; completion Summer 2011

**PY ALLOCATION:** \$80,000 for Land - FY04

**OPERATING IMPACT:** \$12,500 in utilities

**FUNDING USES:**

	FY06	FY07	FY08	FY09	FY10	Totals
<b>Funding Sources</b>						
Long Term Debt	\$ -	\$ -	\$ -	\$ -	\$ 2,650,000	\$ 2,650,000
Cash Proffers	-	-	-	-	500,000	500,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,150,000</b>	<b>\$ 3,150,000</b>
<b>Funding Uses</b>						
Construction	\$ -	\$ -	\$ -	\$ -	\$ 2,900,000	\$ 2,900,000
Professional Services	-	-	-	-	250,000	250,000
<b>Total Funding Uses</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,150,000</b>	<b>\$ 3,150,000</b>

# Fire/EMS

**PROJECT:** 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. The proposed facility would be a 11,750 square foot facility seated on 8.2 acres of land. The land has already been acquired and is located in close proximity to the current location which provides direct access to Mountain Road.

**TIMETABLE:** Construction starting Spring 2007; completion Summer 2008

**PY ALLOCATION:** \$75,000 for Land - FY04

**OPERATING IMPACT:** \$12,500 in utilities

**FUNDING USES:**

	FY06	FY07	FY08	FY09	FY10	Totals
<b>Funding Sources</b>						
Long Term Debt	\$ -	\$ 2,773,000		\$ -	\$ -	\$ 2,773,000
Cash Proffers	-	250,000	-	-	-	250,000
<b>Total Funding Sources</b>	<b>\$ -</b>	<b>\$ 3,023,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,023,000</b>
<b>Funding Uses</b>						
Construction	\$ -	\$ 2,923,000	\$ -	\$ -	\$ -	\$ 2,923,000
Professional Services	-	100,000	-	-	-	100,000
<b>Total Funding Uses</b>	<b>\$ -</b>	<b>\$ 3,023,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,023,000</b>