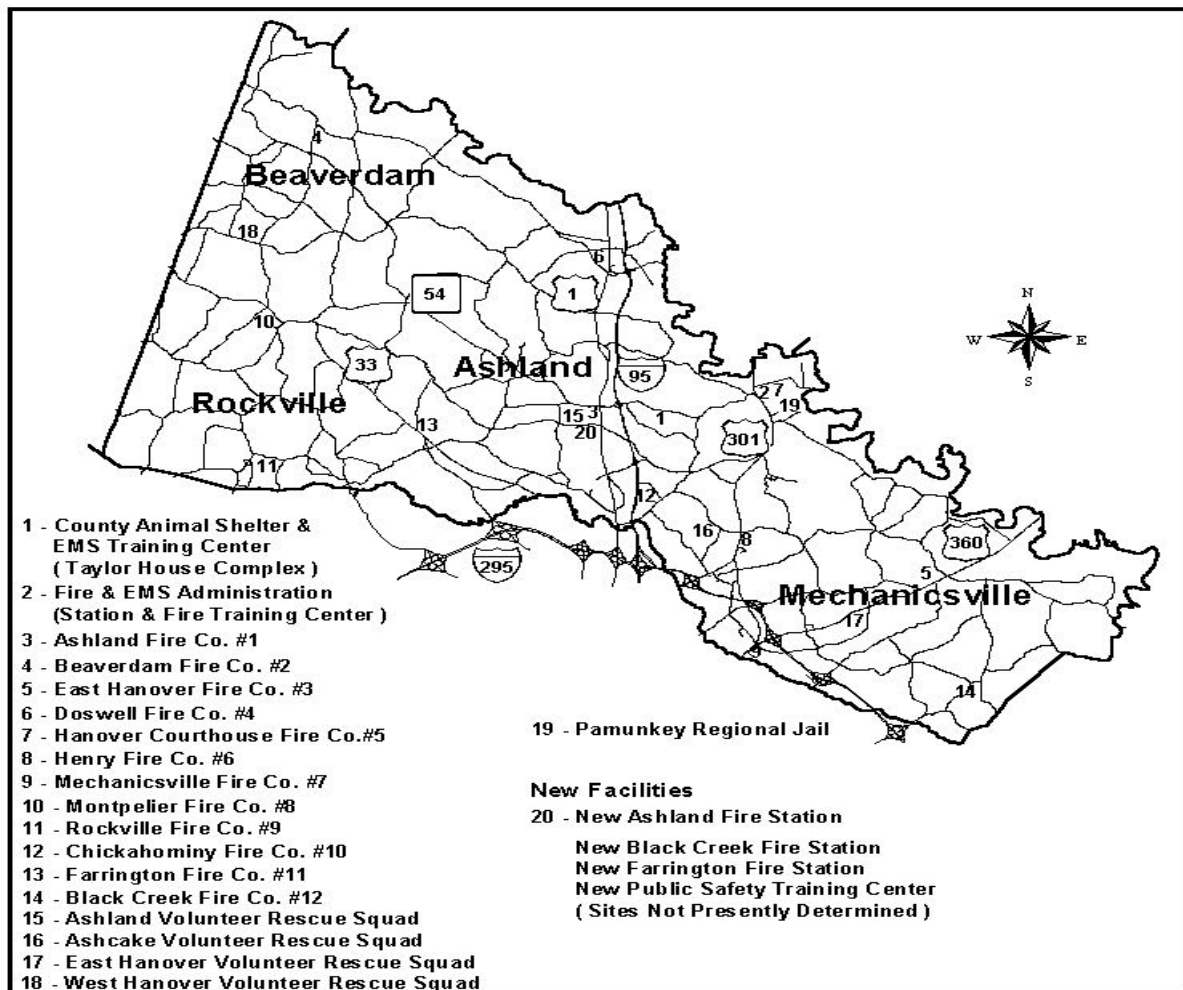


## Public Safety Facilities

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 volunteer 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 volunteer 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 (site not presently determined), Farrington Fire Station, and Public Safety Training Center.



# PUBLIC SAFETY



**PUBLIC SAFETY TRAINING FACILITY**

Department (s): Emergency Communications, Fire/EMS, and Sheriff

Location: Not yet determined.

Description: **Public Safety Training Facility (FY05,FY07):** It is anticipated that all Public Safety functions will require additional training space. Currently, the Sheriff's Office operates a satellite of the Rappahannock Regional Criminal Justice Training Academy at our range location. This building houses a Training Lieutenant and an Assistant Training Officer. With a satellite academy in session, there is no room for additional in-service classes. In reviewing other public safety training centers in the region, the best use of resources would be to build a joint training facility that incorporates both dedicated space for Sheriff, Fire/EMS as well as an Emergency Communications Center. In addition to the Communications Center, we anticipate this building to be comprised of a physical training area (gym) and several classrooms. To meet those needs, a 42,362 square foot building will need to be constructed.

Funding Source: Debt financing through proposed bond referendum

Timetable: Architectural design will be completed by September 2005. The RFP will be published in August with contract award in October 2006. Construction should begin in November 2006 and the project completed by June 2007.

PY Allocation: \$0

Operating Impact: \$50,000 in FY08 for utilities and insurance related costs, increasing 5% each year thereafter.

	FY04	FY05	FY06	FY07	FY08	Totals
<b>Funding Sources</b>						
Long-Term Debt	-	50,000	-	10,100,000	-	10,150,000
<b>Total Sources</b>	\$ -	\$ 50,000	\$ -	\$ 10,100,000	\$ -	\$ 10,150,000
<b>Funding Uses</b>						
Pre-Construction	-	50,000	-	650,000	-	700,000
Construction	-	-	-	9,450,000	-	9,450,000
<b>Total Uses</b>	\$ -	\$ 50,000	\$ -	\$ 10,100,000	\$ -	\$ 10,150,000

**MOBILE DATA MESSAGE SWITCH**

**DEPARTMENT:** Emergency Communications

**LOCATION:** 7522 County Complex Rd

**DESCRIPTION:** To purchase a Message Switch to interface the CAD system with a two-way transmission system for the purpose of transmitting mobile data to Sheriff and Public Safety units.

**COST:** \$100,000

**FUNDING SOURCES:** General Fund

**TIMETABLE:** FY06

**PY ALLOCATION:** None

**OPERATING IMPACT:** None

	FY04	FY05	FY06	FY07	FY08	Totals
<b>Funding Sources</b>						
General	-	-	100,000	-	-	\$ 100,000
<b>Total Funding Sources</b>	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000
<b>Funding Uses</b>						
Equipment	-	-	100,000	-	-	100,000
<b>Total Funding Uses</b>	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000

**RADIO SYSTEM UPGRADE/TOWER TRANSMITTER SITE**

**DEPARTMENT:** Emergency Communications

**LOCATION:** A new tower and transmitter site on Meadowbridge Road, new tower and transmitter site in the Beaver Dam area, and other upgrades to the Countywide Public Safety Radio System

**DESCRIPTION:** Additional transmitter sites and upgrades to the current fixed radio system equipment throughout the County

**FUNDING SOURCES:** General Fund  
Debt financing through bond referendum

**TIMETABLE:** FY04

**PY ALLOCATION:** There is currently \$561,904 approved from previous years for this project

**OPERATING IMPACT:** Increase Maintenance and Electrical Services Lines

	FY04	FY05	FY06	FY07	FY08	Totals
<b>Funding Sources</b>						
General	250,000	-	-	-	-	\$ 250,000
Long Term Debt	-	-	-	8,500,000	-	8,500,000
<b>Total Funding Sources</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,500,000</b>	<b>\$ -</b>	<b>\$ 8,750,000</b>
<b>Funding Uses</b>						
Construction	250,000	-	-	8,500,000	-	8,750,000
<b>Total Funding Uses</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,500,000</b>	<b>\$ -</b>	<b>\$ 8,750,000</b>

## FIRE/EMS VEHICLES

Department (s): Fire/EMS

Location: County-wide

**Description:** **Fire/EMS Vehicles:** The Fire/EMS Administration, with leadership from the Volunteer Associations and Chief's staff, has developed a program whereby new replacement vehicles are planned for in a systematic manner. The current replacement plan for fire vehicles is 15 years for each truck. For EMS vehicles, the plan calls for vehicles to be re-chassis after 8 years. After the first re-chassis, the vehicle is put back into service for another 8 years after which it is either re-chassis again or replaced. When replacing an existing vehicle, the existing vehicle is sold and sale proceeds are recorded in the General Fund. There is no operating impact for replacements as insurance, maintenance and gas are approximately the same in total for the new replacement truck. The following are examples of the vehicles used by the fire companies:

**Pumper truck** is the main firefighting unit - This carries 750 gallons of water, hose and necessary equipment to extinguish any type of structural fire or vehicle fire. Currently, the County has 17 pumper trucks.



**Tanker truck** is the secondary unit that carries 1000 gallons of water and a full complement of forcible entry, rescue and salvage equipment. Currently, the County has 11 tanker trucks.



**Aerial Ladder truck** unit has a 100' hydraulic-type mounted ladder as well as an assortment of ground ladders. It also carries a full complement of forcible entry, rescue and salvage equipment. Currently, the County has 4 aerial ladder trucks.



## FIRE/EMS VEHICLES

**Air Utility truck** is a unit that carries additional equipment needed for firefighting, rescue, and salvage, as well as some specialized equipment. Currently, the County has 1 air utility truck.



**Utility truck** is a unit designed to carry small tools and equipment. Currently, the County has 8 utility trucks.



**Brush truck** is a 4-wheel drive unit that carries 150 gallons of water, hose, and equipment necessary to extinguish field or woods fires. Currently, the County has 5 brush trucks.



**Brush jeep** is a 4-wheel drive unit that carries 75 gallons of water and hose. This unit is used for field and woods fires and can be used in some areas where a larger vehicle cannot be maneuvered. Currently, the County has 6 brush jeeps.



## FIRE/EMS VEHICLES

**Heavy Duty squad truck** is a unit that carries a full line of specialized equipment for rescue purposes, as well as some firefighting and Haz-mat equipment. Currently, the County has 3 heavy duty trucks.



**First Responder All-Purpose Unit** is a four-wheel drive pickup. This truck carries 150 gallons of water for small-suppression fires and is designed to handle emergency medical calls. It is also a non-transporting Basic Life Support fire unit. The County has 5 of these vehicles.



**First Responder Unit** is a four-wheel drive truck specifically designed to handle emergency medical calls. It is a non-transporting Basic Life Support fire unit. Currently, the County has 1 of these vehicles.



**Mobile Command** is a vehicle utilized by Fire personnel in complex assignments where a post can be established in the field to more efficiently administer the complex situation. Currently, the County has one Mobile Command unit.



## FIRE/EMS VEHICLES

**Ambulance:** An ambulance includes a patient compartment and supplies and equipment for emergency medical services.



**Crash Truck:** Crash Trucks are designed to carry equipment for specialized rescues.



**Quick Response Vehicle (QRV):** The QRV transports personnel to scenes and intercepts ambulances for advanced life support provisions. The QRV can access patients in locations that are difficult for ambulances to reach.



Funding Sources: General Fund and Proffers

Timetable: RFP issued in July, contract awarded in August and vehicles delivered the following August.

**FIRE/EMS VEHICLES**

PY Allocation:	<b>FY03:</b>	Tanker	391,000
		1st Responder	72,000
		Ambulance Chassis	79,000
		Quick Response (2)	126,000
		Ambulance	125,000

Operating Impact: \$0

	FY04	FY05	FY06	FY07	FY08	Totals
<b>Funding Sources</b>						
General	230,000	1,012,000	478,000	994,000	884,000	3,598,000
Cash Proffers	680,000	87,000	452,000	241,000	310,000	1,770,000
<b>Total Sources</b>	<b>\$ 910,000</b>	<b>\$1,099,000</b>	<b>\$ 930,000</b>	<b>\$1,235,000</b>	<b>\$1,194,000</b>	<b>\$5,368,000</b>
<b>Funding Uses</b>						
Mechanicsville Aerial	750,000	-	-	-	-	750,000
Ashland Aerial	-	809,000	-	-	-	809,000
Ambulance Chassis	160,000	87,000	87,000	90,000	-	424,000
QRV	-	-	-	90,000	90,000	180,000
Ambulance	-	203,000	-	151,000	160,000	514,000
Black Creek Tanker	-	-	391,000	-	-	391,000
Rockville Pumper	-	-	452,000	-	-	452,000
East Hanover Pumper	-	-	-	452,000	-	452,000
Farrington Pumper	-	-	-	452,000	-	452,000
Mechanicsville Pumper	-	-	-	-	472,000	472,000
Montpelier Pumper	-	-	-	-	472,000	472,000
<b>Total Uses</b>	<b>\$ 910,000</b>	<b>\$1,099,000</b>	<b>\$ 930,000</b>	<b>\$1,235,000</b>	<b>\$1,194,000</b>	<b>\$5,368,000</b>

**FIRE/EMS EXISTING VEHICLE INVENTORY**

***EXISTING VEHICLES BY STATION***

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

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

## FIRE/EMS STATIONS

Location: County-wide

Description: **Fire/EMS Stations:** Three (3) fire stations are needed to replace the existing fire stations at the Ashland, Black Creek and Farrington locations. Currently, these stations are inadequate with no sleeping quarters for staff, and parking for volunteers is insufficient and the buildings are deteriorating inside and out. The Black Creek and Farrington locations will include space dedicated to an EMS substation. In all three cases, the existing buildings are owned by entities other than the County and future utilization has not been determined.

Funding Source: Debt financing through bond referendum.

Timetable: RFP issued in September, contract awarded in November. New facilities are scheduled to be constructed one year from contract award.

PY Allocation: \$165,000 for land (\$80,000 Black Creek, \$85,000 Farrington)

Operating Impact: \$0

	FY04	FY05	FY06	FY07	FY08	Totals
<b>Funding Sources</b>						
Long Term Debt	-	-	6,031,000	-	-	6,031,000
<b>Total Sources</b>	\$ -	\$ -	\$ 6,031,000	\$ -	\$ -	\$ 6,031,000
<b>Funding Uses</b>						
Ashland Station	-	-	1,780,000	-	-	1,780,000
Black Creek Station	-	-	2,035,000	-	-	2,035,000
Farrington Station	-	-	2,216,000	-	-	2,216,000
<b>Total Uses</b>	\$ -	\$ -	\$ 6,031,000	\$ -	\$ -	\$ 6,031,000

**FIRE/EMS FACILITY IMPROVEMENTS**

Location: County-wide

Description: **Facility Improvements:** Several stations are in need of improvements that would improve the overall operability of the facility. These improvements range from replacing the drainage system apparatus area (Rockville and Doswell), to providing ample meeting space (Henry and Mechanicsville), to providing sleeping space (Chickahominy).

Funding Source: Debt financing through bond referendum.

Timetable: Facility improvements are scheduled to be completed 3 months from contract award.

PY Allocation: \$0

Operating Impact: \$0

	FY04	FY05	FY06	FY07	FY08	Totals
<b>Funding Sources</b>						
Long Term Debt	-	-	-	-	680,000	680,000
<b>Total Sources</b>	\$ -	\$ -	\$ -	\$ -	\$ 680,000	\$ 680,000
<b>Funding Uses</b>						
Henry	-	-	-	-	236,000	236,000
Chickahominy	-	-	-	-	100,000	100,000
Mechanicsville	-	-	-	-	146,000	146,000
Rockville	-	-	-	-	75,000	75,000
Doswell	-	-	-	-	123,000	123,000
<b>Total Uses</b>	\$ -	\$ -	\$ -	\$ -	\$ 680,000	\$ 680,000

## RECORDS MANAGEMENT SYSTEM

Location: Fire/EMS

Description: The volunteers and Fire Administration are overwhelmed with paperwork that could be greatly reduced with a computer network system that would link all fire stations, Fire Administration offices and Emergency Communications. The Fire Records Management System (FRMS) would initially be installed in HTE County's central computer system with network connectivity to Fire Administration and 13 fire stations. During Phase 2, mobile data terminals will be installed in fire vehicles to receive dispatching information (including directions), hazardous material, water sources, special hazards, and other useful information.

Funding Source: General Fund

Timetable: FY04-FY06: add computers to Fire trucks and secure software licenses  
FY08: acquire mobile data terminals

PY Allocation: \$328,000

Operating Impact: \$0

	FY04	FY05	FY06	FY07	FY08	Totals
<b>Funding Sources</b>						
General Fund	-	-	185,000	185,000	200,000	570,000
<b>Total Sources</b>	\$ -	\$ -	\$ 185,000	\$ 185,000	\$ 200,000	\$ 570,000
<b>Funding Uses</b>						
Computers/Software	-	-	185,000	185,000	-	370,000
Mobile Data Terminals	-	-	-	-	200,000	200,000
<b>Total Uses</b>	\$ -	\$ -	\$ 185,000	\$ 185,000	\$ 200,000	\$ 570,000