

Public Works Facilities

The Public Works function facilities include the Public Works and Facilities Management offices in the Administration Building at the Hanover County Government Complex (A). In addition, this function also includes the Hanover County Airport (I), and the County Transfer Station (B) and its six Solid Waste convenience centers: Beaverdam (C), Doswell (D), Elmont (E), Mechanicsville (F), Montpelier (G), Route 301 (H). The County Garage is located on Lewistown Road (J).



Public Works

PROJECT: Roadway Improvements

LOCATION: Countywide

DESCRIPTION: This program provides funding to enable the County to maximize its eligibility for matching funds to promote economic development through improved access. The Virginia Department of Transportation (VDOT) provides 50% of the funding for eligible projects up to \$500,000 a year. The remaining 50% is funded through developer contributions. The strategy for this funding category is to support Economic Development projects through the construction of roads on the County's major Thoroughfare Plan. The County's Department of Economic Development establishes priorities based on active development proposals and forecasts allocations in future fiscal years to establish short-term (2-3 year) development agreements.

TIMETABLE: Project identification, design and completion will be determined by the Board of Supervisors and will vary by project.

PY ALLOCATION: \$1,000,000

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
State	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,500,000
Recovered Cost	500,000	500,000	500,000	500,000	500,000	2,500,000
Total Funding Sources	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000
Funding Uses						
Construction	\$ 850,000	\$ 850,000	\$ 850,000	\$ 850,000	\$ 850,000	\$ 4,250,000
Professional Services	50,000	50,000	50,000	50,000	50,000	250,000
Permitting	100,000	100,000	100,000	100,000	100,000	500,000
Total Funding Uses	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000

Public Works

PROJECT: Regional Stormwater Implementation

LOCATION: Suburban Service Area

DESCRIPTION: This program provides for construction of regional stormwater management facilities and is funded from pro-rata contributions from new development in six watersheds: Beaverdam, Lickinghole Creek, Totopotomoy, Chickahominy, Stoney Run and Doswell (various). The implementation of this program is in lieu of private development construction to provide water quality facilities to comply with Chesapeake Bay Preservation Act requirements and to assist the County in addressing water quality mandates imposed on localities by the Environmental Protection Agency.

TIMETABLE: Early years of the program involved environmental permitting and conceptual designs. Construction of facilities is ongoing on a yearly basis along with associated acquisition and permitting activities.

PY ALLOCATION: Ongoing program with \$375,000 in FY05

OPERATING IMPACT: Maintenance: FY06 \$10,000; FY07 \$3,000; FY08 \$10,000; FY09 \$5,000, FY09 \$15,000.

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
Stormwater Fees	\$ 1,000,000	\$ 400,000	\$ 1,000,000	\$ 425,000	\$ 1,000,000	\$ 3,825,000
Total Funding Sources	\$ 1,000,000	\$ 400,000	\$ 1,000,000	\$ 425,000	\$ 1,000,000	\$ 3,825,000
Funding Uses						
Construction	\$ 800,000	\$ 275,000	\$ 800,000	\$ 300,000	\$ 800,000	\$ 2,975,000
Professional Services	90,000	60,000	90,000	65,000	90,000	395,000
Land	110,000	65,000	110,000	60,000	110,000	455,000
Total Funding Uses	\$ 1,000,000	\$ 400,000	\$ 1,000,000	\$ 425,000	\$ 1,000,000	\$ 3,825,000

Public Works

PROJECT: Gardner Estates Stormwater Mitigation

LOCATION: Gardner Estates/Anvil Lane

DESCRIPTION: Project includes installation of a storm sewer system to drain a natural depression of about 45 acres located on Anvil Lane in Gardner Estates. The project includes acquisition of easements, design, and construction to create a positive drainage outfall from the area. The County currently has maintenance responsibility for a stormwater basin which was approved in the early 1980's. This facility would not meet current County drainage design standards. Project contingent on FEMA grant.

PY ALLOCATION: \$0

OPERATING IMPACT: \$1,000

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ 113,000	\$ -	\$ -	\$ -	\$ -	\$ 113,000
Federal Funding	337,000	-	-	-	-	337,000
Total Funding Sources	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ 450,000
Funding Uses						
Construction	\$ 375,000	\$ -	\$ -	\$ -	\$ -	\$ 375,000
Professional Services	75,000	-	-	-	-	75,000
Total Funding Uses	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ 450,000

Public Works

PROJECT: Traffic Improvements

LOCATION: Countywide

DESCRIPTION: Over the past decade, cash proffers have been collected to address off-site road impacts caused by development. Board policy directs these funds to be used for high impact, low cost “Bang for the Buck” roadway improvements primarily geared toward enhancing safety. The roadway improvement must be located in the general area of the development(s) from which the proffers were received. Projects are limited to a maximum total cost of \$150,000.

TIMETABLE: Project identification, design and completion will be determined by the Board of Supervisors and will vary by project.

PY ALLOCATION: \$365,000

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
Cash Proffers	\$ 400,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 2,200,000
Total Funding Sources	\$ 400,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 2,200,000
Funding Uses						
Construction	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
Professional Services	70,000	110,000	110,000	110,000	110,000	510,000
Land	80,000	90,000	90,000	90,000	90,000	440,000
Total Funding Uses	\$ 400,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 2,200,000

Public Works Operations

PROJECT: Roll Off Trucks

LOCATION: Countywide

DESCRIPTION: The current inventory of roll-off trucks are nearing the end of their useful life of 10 years. The trucks being replaced were acquired in 1997 and 1998, respectively.

TIMETABLE: One truck in FY08, FY09, & FY10

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ -	\$ 115,000	\$ 120,000	\$ 120,000	\$ 355,000
Total Funding Sources	\$ -	\$ -	\$ 115,000	\$ 120,000	\$ 120,000	\$ 355,000
Funding Uses						
Equipment	\$ -	\$ -	\$ 115,000	\$ 120,000	\$ 120,000	\$ 355,000
Total Funding Uses	\$ -	\$ -	\$ 115,000	\$ 120,000	\$ 120,000	\$ 355,000

Public Works Operations

PROJECT: Low Boy Transport Trailer

LOCATION: 301 Transfer Station

DESCRIPTION: Replacement of the existing lowboy trailer. This equipment is used to transport heavy duty equipment, materials and supplies. The useful life is 15 years and the current unit was acquired in 1978.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
Total Funding Sources	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
Funding Uses						
Equipment	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
Total Funding Uses	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000

Public Works Operations

PROJECT: Road Tractor

LOCATION: Countywide

DESCRIPTION: Road tractor to transport solid waste walking floor trailers, roll-off trailer and low boy trailer. Waste, mulch, fuel chips and tires are also transported.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ -	\$ -	\$ -	\$ 115,000	\$ 115,000
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ 115,000	\$ 115,000
Funding Uses						
Equipment	\$ -	\$ -	\$ -	\$ -	\$ 115,000	\$ 115,000
Total Funding Uses	\$ -	\$ -	\$ -	\$ -	\$ 115,000	\$ 115,000

Public Works Operations

PROJECT: Transfer Trailers

LOCATION: Transfer Station and Mechanicsville Convenience Center

DESCRIPTION: 3-100 cubic yard trailer aluminum walking floor units.

PY ALLOCATION: \$0

OPERATING IMPACT: None.

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ -	\$ -	\$ -	\$ 195,000	\$ 195,000
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ 195,000	\$ 195,000
Funding Uses						
Equipment	\$ -	\$ -	\$ -	\$ -	\$ 195,000	\$ 195,000
Total Funding Uses	\$ -	\$ -	\$ -	\$ -	\$ 195,000	\$ 195,000

Public Works Operations

PROJECT: Eastern Convenience Center

LOCATION: Eastern Hanover County

DESCRIPTION: Solid Waste Convenience Center with brush drop-off at site to be determined. The site is necessary to reduce the high volume of users at the Verdi Lane convenience center.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ -	\$ -		\$ 300,000	\$ 300,000
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000
Funding Uses						
Professional Services	\$ -	\$ -	\$ -		\$ 50,000	\$ 50,000
Land	-	-	-		250,000	250,000
Total Funding Uses	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000

Facilities Management

PROJECT: Taylor Complex Improvements

LOCATION: Taylor Complex

DESCRIPTION: Rehab and maintenance to existing 10,000 gallon water tank, pumps, controls and install new pump house to the well system at the complex.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ 145,000	\$ -	\$ -	\$ -	\$ 145,000
Total Funding Sources	\$ -	\$ 145,000	\$ -	\$ -	\$ -	\$ 145,000
Funding Uses						
Construction	\$ -	\$ 145,000	\$ -	\$ -	\$ -	\$ 145,000
Total Funding Uses	\$ -	\$ 145,000	\$ -	\$ -	\$ -	\$ 145,000

Airport

PROJECT: West Hangar Site Preparation

LOCATION: Hanover County Airport, 11152 Air Park Road, Ashland, Virginia 23005

DESCRIPTION: The usage of Hanover County Airport has increased substantially over the last 2 years causing a strain on the current infrastructure. The fixed based operator (FBO) operating the airport under contract for the County desires to construct new hangars to meet the demand for aircraft parking at the airport. The Lease and Management Agreement between the FBO and the County requires the County to provide site preparation, and the FBO to construct the hangar units. Site preparation includes grading, drainage improvements, replacement of old pavement and construction of new pavement. Hangar structure construction is projected to be approximately \$1,200,000 which will be paid for by the FBO. A preliminary layout has been prepared by the airport manager to include replacement of two old t-hangar units with three new 10 unit hangars, and a larger 3 unit hangar to house twin engine aircraft.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ 103,000	\$ 83,000	\$ -	\$ -	\$ -	\$ 186,000
State Grant	412,000	332,000	-	-	-	744,000
Total Funding Sources	\$ 515,000	\$ 415,000	\$ -	\$ -	\$ -	\$ 930,000
Funding Uses						
Construction	\$ -	\$ 415,000	\$ -	\$ -	\$ -	\$ 415,000
Professional Services	515,000	-	-	-	-	515,000
Total Funding Uses	\$ 515,000	\$ 415,000	\$ -	\$ -	\$ -	\$ 930,000

Airport

DEPARTMENT: Airport West Terminal Building Renovation

LOCATION: Hanover County Airport, 11152 Air Park Road, Ashland, Virginia 23005

DESCRIPTION: The usage of Hanover County Airport has increased substantially over the last two years causing a strain on the current infrastructure. The current terminal building is undersized for the amount of traffic the airport is generating, with very small public use space available for pilots and passengers. Hanover County remodeled the terminal building during the early part of the 1990's, and provided maintenance improvements for the last 10 years. This renovation anticipates a small addition to the building to provide for more public use area, an upgrade of the restrooms to meet ADA compliance, a quiet area for pilot planning, as well as new entrances to the building, and other interior modifications.

TIMETABLE: FY07 design and construction of renovation.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ 35,000
State Grant	-	140,000	-	-	-	140,000
Total Funding Sources	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ 175,000
Funding Uses						
Construction	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ 175,000
Total Funding Uses	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ 175,000

Airport

PROJECT: East Side Taxiway and Apron

LOCATION: Hanover County Airport, 11152 Air Park Road, Ashland, Virginia 23005

DESCRIPTION: A new East Side Taxiway and Apron are needed to serve the new east side terminal, but can be used independently by customers if terminal building construction is deferred. Airport usage is increasing and adjacent development limits further expansion on the west side in the current terminal location. The eastern taxiway and apron provide much-needed relief for congestion and storage limitations, and is a critical Capital project to maintain the viability of the Airport.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ -	\$ 70,000	\$ 60,000	\$ -	\$ 130,000
Federal Grant	-	-	-	2,850,000	-	2,850,000
State Grant	-	-	280,000	90,000	-	370,000
Total Funding Sources	\$ -	\$ -	\$ 350,000	\$ 3,000,000	\$ -	\$ 3,350,000
Funding Uses						
Construction	\$ -	\$ -	\$ -	\$ 3,000,000	\$ -	\$ 3,000,000
Professional Services	-	-	350,000	-	-	350,000
Total Funding Uses	\$ -	\$ -	\$ 350,000	\$ 3,000,000	\$ -	\$ 3,350,000

Airport

DEPARTMENT: Airport Safety Improvements - South Approach Utility Relocation

LOCATION: Hanover County Airport, 11152 Air Park Road, Ashland, Virginia 23005

DESCRIPTION: The south approach contains overhead utilities along Sliding Hill Road bordering the Runway Protection Zone. FAA regulations recommend that there be nothing in a runway protection zone other than navigational aids. Underground utility connections will be designed, coordinated and relocated by the impacted utility companies. Utilities in the north approach were relocated underground during the runway extension project. Once this project in the south approach is completed there will be no overhead utilities impacting the airport.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ 40,000
State Grant	-	-	160,000	-	-	160,000
Total Funding Sources	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000
Funding Uses						
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Professional Services	-	-	200,000	-	-	200,000
Total Funding Uses	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ 200,000

Airport

DEPARTMENT: Airport Jet Fuel Tank Replacement

LOCATION: Hanover County Airport, 11152 Air Park Road, Ashland, Virginia 23005

DESCRIPTION: The jet fuel tank will be approximately 16 years old, and in need of replacement in FY09. This tank was refurbished in 1996 with an epoxy coated lining to prevent corrosion. The new system will be constructed in a manner to meet the then current environmental regulations, and in compliance with the requirements of the FAA. This new jet fuel tank will be located in the future east side terminal area to better service corporate aircraft. The east side taxiway and apron will provide access to the jet fuel tank and is programmed for FY 09 construction. The new east side terminal buildig is programmed for FY 11 Construction.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ -	\$ -	\$ 140,000	\$ -	\$ 140,000
Total Funding Sources	\$ -	\$ -	\$ -	\$ 140,000	\$ -	\$ 140,000
Funding Uses						
Construction	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ 125,000
Professional Services	-	-	-	15,000	-	15,000
Total Funding Uses	\$ -	\$ -	\$ -	\$ 140,000	\$ -	\$ 140,000

Airport

PROJECT: Airport Perimeter Security Fence

LOCATION: Hanover County Airport, 11152 Air Park Road, Ashland, Virginia 23005

DESCRIPTION: Fence construction is required to limit access to airport property by pedestrians and private vehicular traffic. The fence will border the north and south approach, and the westside of the taxiway. Fence construction will consist of 8' feet chain link with 3 strands of barbed wire. The fence is required because of instances of pedestrians approaching aircraft during preflight run-ups causing a safety concern. Also businesses established along Air Park Road have been utilizing the taxiway as a means for additional parking.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ -	\$ -	\$ -	\$ 55,000	\$ 55,000
State Grant					495,000	495,000
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ 550,000	\$ 550,000
Funding Uses						
Professional Services	\$ -	\$ -	\$ -	\$ -	\$ 550,000	\$ 550,000
Total Funding Uses	\$ -	\$ -	\$ -	\$ -	\$ 550,000	\$ 550,000

Airport

PROJECT: Airport Land Acquisition

LOCATION: Hanover County Airport, 11152 Air Park Road, Ashland, Virginia 23005

DESCRIPTION: The Airport Master Plan indicates the need to purchase land or aviation easements to the south end of the runway to meet FAA Airport Safety Criteria. Land and easement acquisition is completed for the north end of the runway. Purchase of this property is required to remove airport obstructions, and to maintain the safety of people and property on the ground. The FAA and State support purchase of land for these reasons whenever possible. All land purchases will be performed in accordance with the Uniform Relocation Acquisition and Property Act of 1970 as required for property expenses to be eligible for Federal and State reimbursement. Land acquisition is retroactively reimbursable in the event Federal or State funding is not available in the year required. Whenever possible, the County will give priority for acquisition of required land when it is on the market. Land acquisition for the east side terminal building is included in that CIP.

TIMETABLE: The process for completing the services necessary, including surveys and appraisals, will take about one year to complete before offers can be made to purchase the land.

PY ALLOCATION: \$0

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ 40,000
State Grant		-		-	160,000	160,000
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000
Funding Uses						
Land	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000
Total Funding Uses	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000

Airport

PROJECT: New Eastern Airport Terminal Building

LOCATION: Hanover County Airport, 11152 Air Park Road, Ashland, Virginia 23005

DESCRIPTION: The 2000 Airport Master Plan indicates that Airport usage is anticipated to increase to support development of a new terminal facility on the east side of the runway. Adjacent development limits further expansion on the west side in the current terminal location. Currently, an environmental assessment is being performed to evaluate and address any environmental issues related to the construction of a new east side terminal. Prior to design, a feasibility study is needed to determine the size and function of the new facility, including financing options that may reduce the General Funds needed to construct the new east side terminal building. The east side terminal will require an eastern taxiway and apron.

OPERATING IMPACT: \$0

FUNDING USES:

	FY06	FY07	FY08	FY09	FY10	Totals
Funding Sources						
General	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000
Federal Grant	-				80,000	80,000
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
Funding Uses						
Professional Services	-				100,000	100,000
Total Funding Uses	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000