

# Public Safety

## ***Board of Supervisors' Adjustments***

As part of the *FY 2006 Third Quarter Review*, the Board of Supervisors approved an amount of \$600,000 to support a Public Safety Master Plan feasibility study and needs assessment to identify and prioritize the County's long-term needs for all public safety agencies. The study is intended to focus on, but is not limited to, identifying the size, location and cost of a new public safety headquarters building to replace the Massey Building facility. An additional \$300,000 was approved for a Pine Ridge Feasibility Study which will examine the future needs of the existing facility after it is partially vacated due to operations moving to the Public Safety and Transportation Operations Center (PSTOC).

## **PROGRAM DESCRIPTION**

Fairfax County continues to demand the timely delivery of modern, efficient public safety services. Provision of an appropriate level of service requires facility improvements of three general types: construction of new facilities to provide improved service levels; construction of new facilities to replace temporary rented or substandard quarters; and renovation and/or expansion of existing facilities. Public Safety facilities include those associated with the Fire and Rescue, Police and animal control, E-911 communication and vehicle maintenance.

## **LINK TO THE COMPREHENSIVE PLAN**

Fairfax County's Comprehensive Plan has established a number of objectives and policies in order to:

- ✓ Identify a seven-minute service radius for fire and rescue stations and a need to locate stations where there are current service voids of at least two square miles and a projected call-level of two per day or 730 annually.
- ✓ Build new fire and rescue stations located in the Leesburg Pike corridor near Beulah Road; the Lee Highway corridor near Legato Road; the Hunter Mill Road corridor north of Oakton; off Ox Road near Hampton Road; and in the area south of Clifton.
- ✓ Locate police stations and facilities in order to provide efficient and expeditious law enforcement/protective service.
- ✓ Construct a forensics facility in the western portion of the County.
- ✓ Maintain and renew the current Animal Shelter on West Ox Road, and build a new animal shelter in the southeast portion of the County, preferably in the Springfield/Mount Vernon area.
- ✓ Expand the West Ox Vehicle Maintenance facility.
- ✓ Build at least one additional equipment maintenance facility, preferably located in the northwestern County area, by 2012.
- ✓ Plan for a new Police substation in the southeast portion of the County.

Source: 2003 Edition of the Fairfax County Comprehensive Plan, as amended

## CURRENT PROGRAM INITIATIVES

Public Safety programs are supported primarily by General Obligation Bonds. Bond funds remain from the 1989, 1998 and 2002 Public Safety Bond Referenda.

The County has identified a critical need to provide upgraded state of the art facilities for the new Public Safety and Transportation Operations Center (PSTOC), now in the initial phase of construction near the former Virginia State Camp 30 site on West Ox Road, which will include the Department of Public Safety Communications (DPSC), the Emergency Operations Center (EOC) and a Transportation Center. The DPSC is the central point for receiving 911 and non-emergency requests for services from the public and for dispatching of police and fire field units. The EOC is the central facility from which local leaders control government resources, communicate information and decisions during emergencies and disasters. These functions are currently housed in an early 1960s elementary school that can no longer be expanded and upgraded to meet current



Artist rendering of PSTOC

and future demands for service delivery. The PSTOC is estimated to cost the County approximately \$102 million for construction and equipment. A 2002 Public Safety Bond Referendum was approved by the voters and included \$29 million to partially support the design and construction of a new PSTOC facility. Additional costs associated with the facility and associated information technology systems have been funded through the General Fund.

### **Police**

Recently, several Police Stations have been constructed or renovated, including a new Sully District Police Station with a government center, and the expansion of the West Springfield, and Mount Vernon Police Stations. Both renovation locations are conjoined with government centers and provide additional space to meet the needs of expanded staffing, increased demand for delivery of police services, and Community Policing Efforts. These efforts include decentralized public safety programs, investigative units and Neighborhood Patrol Units. The Police Department has identified a near term need to similarly expand and renovate the Reston, Fair Oaks, and McLean District Stations; and to construct a new district station in the rapidly developing Laurel Hill area.

The Police Department is pursuing construction of a Forensics Facility to accommodate the technical and forensic units, such as the Crime Scene Section, NOVARIS, Electronic Surveillance Unit, and the Computer Forensic Unit. These units have outgrown their current facility capacity. The Forensics Facility is planned to be co-located with the PSTOC facility. The Department has identified the need to replace the Police Annex Building, which houses the property/evidence section and is nearly forty years of age. The property/evidence section is required to maintain evidence of all unsolved felonious crimes and those offenses awaiting trial, and is in need of expanded space and modernization.

Long term plans for the Department also include renewals and expansions of existing district stations and a Driver Training Track office and classroom space. The current Driver Training space consists of portable trailers which no longer meet the training needs of the Department. The Police Department also has identified the need to renovate and expand the older and undersized facilities at the existing West Ox Animal Shelter, and to evaluate alternatives for improving the delivery of animal control services to the residents of southeastern Fairfax County. Currently, all animal shelter facilities are located in the central part of the County on West Ox Road, which is inconvenient to many residents and in significant need of renovations and expansion. Limited funds are available for preliminary concept work on the South

County Animal Shelter. In addition, the Police Heliport at the West Ox Road Complex is in need of renovation to construct office and classroom space for staffing and paramedic training requirements and the Operations Support Bureau located in the Pine Ridge facility has outgrown its current site. Current renovations to the motor garage at Pine Ridge have exhausted available space for motorcycle storage and other specialized equipment.

### **Fire and Rescue**

The Fire and Rescue Department completed a Fire Station Location Master Plan in 1988 which serves as the general plan for new fire and rescue stations in the County. The Master Plan defines criteria for determining where future stations are needed. These criteria include incident activity, population, development types and densities, road networks, target hazards, topographical information and response times. Since the development of that Plan, the need for a Crosspointe Station also has been identified. Using the Master Plan criteria, the West Centreville, Kingstowne, North Point and Fairfax Center stations have been constructed, and the site for the future Wolftrap station has been acquired and design work is in progress. The Crosspointe Fire Station is currently under construction. The Fairfax Center Station includes space to accommodate a Hazardous Materials Response Unit. This requirement results from the ongoing threat of chemical and biological attacks in the Washington region.

In FY 2005, a Fire Station Condition Assessments study was completed for 11 volunteer fire stations and 21 of the 24 County-owned fire stations. Under the study, the condition and functionality of these facilities (especially the older County and volunteer-owned stations) to meet current requirements was evaluated. The results of this assessment will assist in identifying requirements and costs associated with station improvements, as well as in the planning and scheduling of needed facility improvements and future bond requirements. Some of these stations may be considered for inclusion in the FY 2006 Public Safety Bond Referendum.

The demands on the existing Fire and Rescue training academy continue to exceed the availability of resources. Fire and Rescue Department staff has conducted a training facility needs assessment and feasibility study in collaboration with the Metropolitan Washington Airport Authority (MWAA) to evaluate the facility requirements at the County's West Ox training complex, and the possibility of developing a shared facility at Dulles International Airport. Recommendations include significant enhancement and renovation of the West Ox site to include a new multi-function training facility and additional facilities at the Dulles site. Partial funding for the Academy facilities at West Ox is proposed for the FY 2006 Public Safety Bond Referendum.

The Police and Fire and Rescue Departments have both identified the need to initiate the strategic planning process to plan for the future development of a new Public Safety Headquarters facility to replace the existing Massey Building facility that is over thirty years old, and has significant limitations due to asbestos and a relatively inefficient floor plan.

## **CURRENT PROJECT DESCRIPTIONS**

### **NEW CONSTRUCTION**

1. **Fairfax Center Fire Station.** \$8,783,942 for land acquisition and construction of a 23,200 square foot fire station with five equipment bays. This station will serve the Lee Highway corridor between Fairfax City and Clifton Road. The new station is located on a site at the intersection of Legato Road and Lee Highway. Fairfax Center will serve a 12.7 square mile area within the five-minute travel response time. Call volume in this area has increased by over 13 percent annually during the last four years. A significant residential development directly adjacent to the station will add over 1,000 residences. The station includes the Hazardous Materials Response Unit in addition to normal fire station suppression and emergency medical services functions. This project is supported by the 1989 (original station) and 2002 Public Safety Bond Referenda (Hazmat Unit addition).

2. **Wolftrap Fire Station.** \$11,075,000 for land acquisition and construction of a 14,000 square foot fire station with four equipment bays to serve the area near Beulah Road and Leesburg Pike. A site near this intersection has been purchased and the design for the station has begun. This station will address response time delays on the highly traveled area of Leesburg Pike as well as along the Dulles Airport Access/Toll Road corridor. This project is supported by the 1989 Public Safety Bond Referendum. Coordination with the Fairfax County Park Authority is ongoing to design and construct two recreation fields at this site. Due to the significant recent escalation of construction costs in the region, the project scope, design, and budget for this project is continuing to be re-evaluated. Additional funding may be required to fully fund the project.



3. **Crosspointe Fire Station.** \$9,423,371 for land acquisition and construction of a 14,000 square foot fire station with four equipment bays to serve the fire protection needs of the southern portion of the County. This station is expected to serve approximately 7.3 square miles of void area and the increased population density associated with the conversion of the Lorton Prison (Laurel Hill) property. The design is complete and construction was started in FY 2006. This project is supported by the 1998 and 2002 Public Safety Bond Referenda.

Artist rendering of the Crosspointe Fire Station

4. **Public Safety and Transportation Operations Center (PSTOC).** \$102,522,130 for a new high-security, state-of-the-art Public Safety and Transportation Operations Center (PSTOC), which is intended to provide efficient and effective public safety and transportation services using coordinated technology and integrated data systems. The new facility will house the Department of Public Safety Communications (DPSC) and Emergency Operations Center (EOC). These functions are currently located at the County's Pine Ridge facility; however, that facility is outdated and overcrowded. There has been an 80 percent increase in calls handled by the DPSC at the 911 Center since it opened in 1985. The operations floor cannot support additional equipment to expand call taking or dispatching capacity required to efficiently manage the increase in call volume. The current EOC is a 950 square-foot facility that does not provide adequate space or technological support for the 34 public and private agencies that utilize the EOC during an emergency activation. The building lacks adequate training facilities and is not equipped to support DPSC and EOC staff for the duration of an emergency should relief personnel be unable to report for duty. There is no place to store food, water, cots, or other essentials for long term deployment.

In addition to the DPSC and EOC, the new PSTOC facility will house the Forensics Facility, staff from the Police and Fire Departments, VDOT's Smart Traffic and Signal Centers, and the State Police Communications Center. Development of the PSTOC facility will result in a more effective and efficient use of the public lands and campus on West Ox Road. The new multi-use facility will allow for the cost-effective provision of services through the sharing of land, buildings, and technology resources at various levels of state and local government.

On November 5, 2002, voters approved \$29 million for construction costs associated with the PSTOC. Additional costs associated with the facility have been funded by the General Fund. The Total Project Estimate is \$102,522,130 based on information technology requirements and costs for the facility.

5. **Forensics Facility.** \$13,000,000 for land acquisition, design and construction of a new Forensics Facility. This project will house technical and forensic units such as the Crime Scene Section, NOVARIS, Electronic Surveillance Unit, and Computer Forensic Unit in one coordinated facility. Currently these units are housed in inadequate and scattered locations. In addition to providing a facility that will meet the technical needs of these units, the Police Department is seeking programmatic and supervisory efficiency by locating similar functions in one coordinated location. This new facility will be co-located with the multi-use PSTOC facility at the West Ox Road complex.

## **RENEWALS/ADDITIONS**

6. **Fire and Rescue Academy Improvements.** \$1,208,842 for training facility enhancements at the Fire and Rescue Academy. A needs assessment and feasibility study has been conducted to identify improvements and renovations to the existing facility and to evaluate County participation in developing a regional training facility on Dulles Airport property. This project is partially funded through the 1989 Public Safety Bond Referendum. The current Fire and Rescue Academy Feasibility Study has identified that the top priority and first phase of the Fire and Rescue Academy Improvements should be construction of a new Multi-Function Training Facility at the Fire and Rescue Academy on West Ox Road, and that the second highest priority is the expansion and renovation of the existing West Ox Fire Training Academy building. The results of this feasibility study will be used as a basis for determining the composition of the proposed fall 2006 Public Safety Bond Referendum.
7. **Herndon Fire Station Land Acquisition.** \$950,000 to acquire additional property in the Town of Herndon to accommodate the future renovation and expansion, or replacement, of the station. The scope will be determined by a feasibility study.
8. **Vienna Volunteer Fire Station.** \$1,500,000 as a County contribution towards the Vienna Volunteer Fire Department's project to expand and renovate the existing volunteer-owned station to meet current code and operational standards. Construction began in FY 2005 and will be completed in FY 2006.
9. **Police Station Feasibility Studies.** \$325,000 to conduct feasibility studies to determine the scope and cost of renovation and expansion work required at the McLean, Reston, and Fair Oaks District Police Stations. These older police station facilities are in need of renovations and upgrades to accommodate the current operational requirements of the Police Department, including administrative and support space for current staffing levels, interior and exterior security, HVAC and electrical systems, and information technology infrastructure. The feasibility studies will evaluate options to address the stations' shortcomings, develop a conceptual plan for the renovation or expansion of the stations, and provide cost estimates for the work required to bring the stations up to standards. The results of the feasibility studies will be used as a basis for determining the composition of the proposed Fall 2006 Public Safety Bond Referendum.
10. **Fire Station Feasibility Studies.** \$150,000 to conduct feasibility studies to determine the scope and cost of renovation, expansion, or new station for priority Fire and Rescue facilities. Many of the older fire and rescue stations are in need of renovations or possible replacement to accommodate the current operational requirements of the Fire and Rescue Department, including administrative and support space for current staffing levels, equipment bays for current apparatus, HVAC and electrical systems, bunk and locker room facilities for female personnel, and information technology infrastructure. The feasibility studies will evaluate options to address the stations' shortcomings, develop a conceptual plan for the renovation, expansion, or possible replacement of the stations, and provide cost estimates for the work required to bring the stations up to standards. The results of the feasibility studies will be used as a basis for determining the composition of the proposed Fall 2006 Public Safety Bond Referendum.
11. **West Ox Animal Shelter Feasibility Study.** \$75,000 for a needs assessment, space programming, and conceptual design for the renewal and expansion of the existing animal shelter. The results of the feasibility study will be used as a basis for determining the composition of the proposed Fall 2006 Public Safety Bond Referendum.
12. **Great Falls Volunteer Fire Station Feasibility Study.** \$75,000 to conduct a feasibility study for the future renovation and expansion, or possible replacement, of the existing volunteer-owned station. The scope of work and the project cost will be determined by this feasibility study. The results of the feasibility study will be used as a basis for determining the composition of the proposed Fall 2006 Public Safety Bond Referendum.

13. **McLean Police Station.** This project will provide for full design and construction of major renovations and infrastructure renewal at the existing police station, and will provide for expansion to meet current and future operational and staffing requirements at the station. Funds for the future renovation and expansion are proposed for inclusion in the proposed Fall 2006 Public Safety Bond Referendum. The Total Project Estimate for this project is to be determined based on the feasibility study that is scheduled to be completed in late FY 2006.
14. **Reston Police Station.** This project will provide for full design and construction of major renovations, infrastructure renewal, and expansion at the existing police station. The project will address major building systems that are at or near the end of their useful life cycle, and will provide expansion necessary to mitigate existing overcrowded conditions, and to meet future operational staffing requirements at the station. Funds for the future renovation and expansion, or possible replacement, are proposed for inclusion in the proposed Fall 2006 Public Safety Bond Referendum. The Total Project Estimate for this project is to be determined based on the feasibility study that is scheduled to be completed in late FY 2006.
15. **Fair Oaks Police Station.** This project will provide for full design and construction of major renovations, infrastructure renewal, and expansion at the existing police station. The project will address major building systems that are at or near the end of their useful life cycle, and will provide expansion necessary to mitigate existing overcrowded conditions, and to meet future operational staffing requirements at the station. Facility renewal and minor expansion will also be included to address the most critical needs of the existing Fair Oaks Fire Station that is co-located at this facility. Funds for the future renovation and expansion, or possible replacement are proposed for inclusion in the proposed Fall 2006 Public Safety Bond Referendum. The Total Project Estimate for this project is to be determined based on the feasibility study that is scheduled to be completed in late FY 2006.
16. **Great Falls Volunteer Fire Station.** This project will provide for design and construction of a new replacement fire station at the site of the existing station. Construction will be phased to maintain fire station operations during construction. This older fire and rescue station is in need of renewal due to systems and infrastructure that are severely undersized and at the end of their useful life cycle. A new, larger station is required to meet the current operational requirements of the Fire and Rescue Department, including administrative and support space for current staffing levels, equipment bays for current apparatus, HVAC and electrical systems, bunk and locker room facilities for female personnel, and information technology infrastructure. Funds for the future replacement, of the fire station may be included in the proposed Fall 2006 Public Safety Bond Referendum. The Total Project Estimate for this project is to be determined based on the feasibility study that is scheduled to be completed in late FY 2006.
17. **West Ox Animal Shelter Expansion and Renewal.** This project will provide for full design and construction of major renovations, infrastructure renewal, and expansion at the existing animal shelter. The project will address major building systems that are at or near the end of their useful life cycle, and will provide expansion necessary to mitigate existing overcrowded conditions, and to meet future operational and staffing requirements at the station. Funds for the future renovation and expansion are proposed for inclusion in the proposed Fall 2006 Public Safety Bond Referendum. The Total Project Estimate for this project is to be determined based on the feasibility study that is scheduled to be completed in late FY 2006.
18. **Fire and Rescue Academy (West Ox Site) – Phase I Improvements.** This project will provide for full design and construction of Phase I of major renovations, infrastructure renewal, and expansion at the existing West Ox Fire Training Academy. The project will address major building systems that are at or near the end of their useful life cycle, and will provide expansion necessary to address the current lack of capacity for recruit training, and to meet future training capacity requirements at the academy. The project also will include a new, multi-function training building and rappelling tower facility for Fairfax County fire and rescue training. This new facility will provide a critically needed Class B training facility to replace the existing Class A structure, which is structurally deteriorated and extremely limited in its usefulness. The new, multi-function training facility will provide a significant increase in flexibility and capacity for live burn, rappelling, and other training exercises. Funds for the first phase of this project are proposed for inclusion in the proposed Fall 2006 Public Safety Bond Referendum. The Total Project Estimate for this project is to be determined based on the feasibility study that is scheduled to be completed in late FY 2006.

19. **Emergency Management Initiatives.** \$700,000 to begin to address on-going and projected County Emergency Planning Initiatives, such as updating the County Emergency Operations Plan and the Regional Mitigation Plan, planning for possible threats to public health, updating business operations plans, and several other emergency planning efforts. Although many of these initiatives will be supplemented by applied grant funding, General Fund monies are required in FY 2007 to continue both local and regional emergency planning efforts.
  
20. **Public Safety Feasibility Studies.** \$600,000 to support a Public Safety Master Plan feasibility study and needs assessment to identify and prioritize the County's long-term needs for all public safety agencies. The study is intended to focus on, but is not limited to, identifying the size, location and cost of a new public safety headquarters building to replace the Massey Building facility. An additional \$300,000 for a Pine Ridge Feasibility Study which will examine the future needs of the existing facility after it is partially vacated due to operations moving to the Public Safety and Transportation Operations Center (PSTOC).

**PROJECT COST SUMMARIES  
PUBLIC SAFETY  
(\$000's)**

Project Title/ Project Number	Source of Funds	Anticipated to be Expended Thru FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Total FY2007-FY2011	Total FY2012-FY2016	Total Project Estimate
<b>NEW CONSTRUCTION</b>										
1. Fairfax Center Fire Station / 009079	B	8,784						0		8,784
2. Wolf Trap Fire Station / 009094	B	5,573	3,500	2,002				5,502		11,075
3. Crosspointe Fire Station / 009210	B	7,394	2,004	25				2,029		9,423
4. Public Safety Transportation Operations Center (PSTOC) / 009211	B, G	20,000	33,000	49,522				82,522		102,522
5. Forensics Facility / 009438	G	3,500	6,500	3,000				9,500		13,000
<b>NEW CONSTRUCTION Subtotal</b>		45,251	45,004	54,549	0	0	0	99,553		144,804
<b>RENEWALS/ADDITIONS</b>										
6. Fire and Rescue Academy Improvements / 009073	B	541	668					668		1,209
7. Herndon Fire Station Land Acquisition / 009215	G	950						0		950
8. Vienna Volunteer Fire Station/ 009216	B	1,500						0		1,500
9. Police Station Feasibility Studies / 009484	G	325						0		325
10. Fire Station Feasibility Studies / 009484	G	150						0		150
11. West Ox Animal Shelter Feasibility Study / 009484	G	75						0		75
12. Great Falls Volunteer Fire Station Feasibility Study / 009484	G	75						0		75
13. McLean Police Station	B							0		TBD
14. Reston Police Station	B							0		TBD
15. Fair Oaks Police Station	B							0		TBD
16. Great Falls Volunteer Fire Station	B							0		TBD
17. West Ox Animal Shelter Renewal	B							0		TBD
18. Fire and Rescue Academy (West Ox Site) - Phase I Improvements	B							0		TBD
19. Emergency Management Initiatives / 009495	G		700					700		700
20. Public Safety Feasibility Studies	G	180	720					720		900
<b>RENEWALS/ADDITIONS Subtotal</b>		3,796	2,088	0	0	0	0	2,088		5,884
<b>TOTAL</b>		\$49,047	\$47,092	\$54,549	\$0	\$0	\$0	\$101,641	\$0	\$150,688

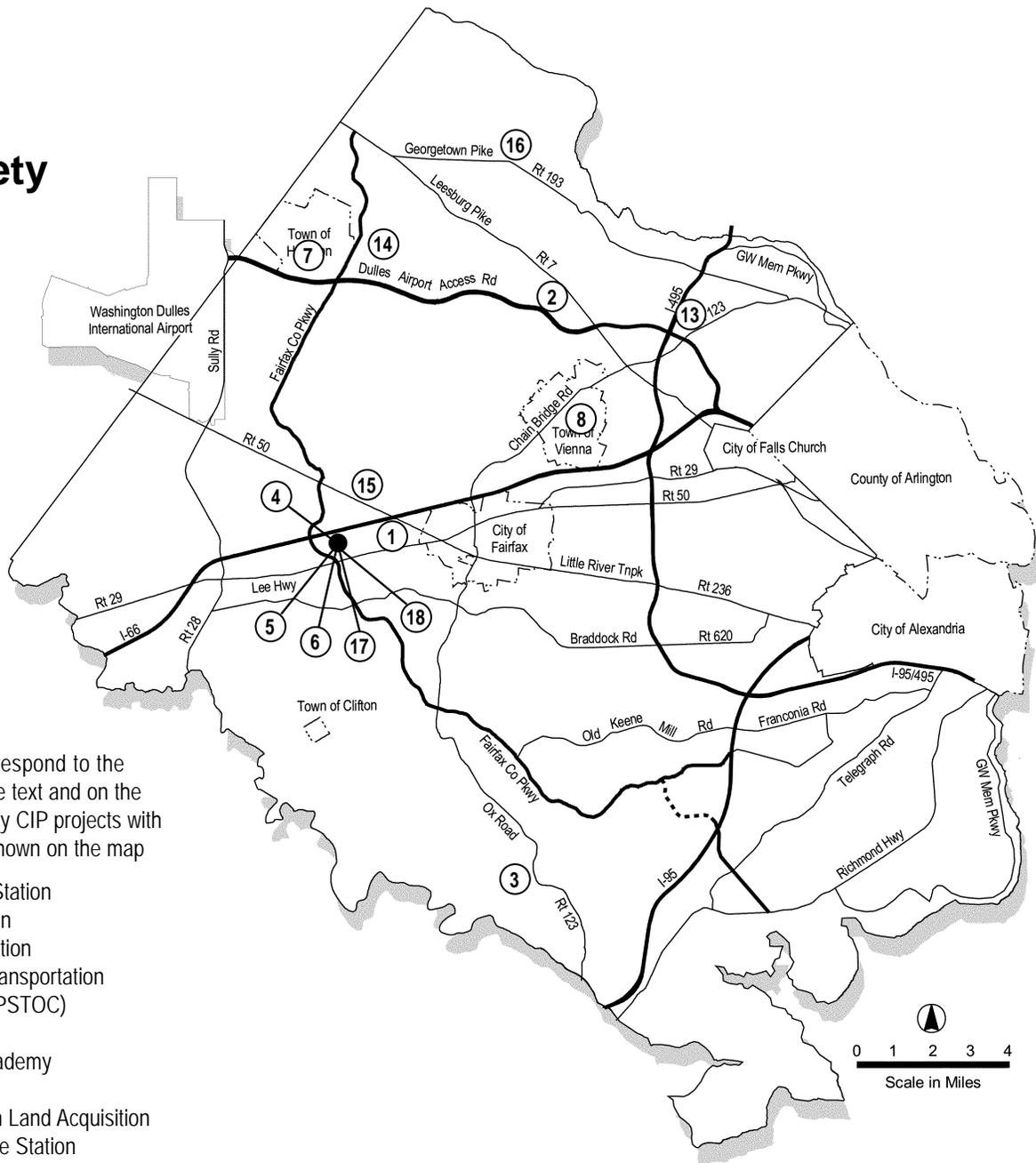
<b>Key: Stage of Development</b>	
	Feasibility Study or Design
	Land Acquisition
	Construction

**Notes:**  
Numbers in **bold italics** represent funded amounts.  
A "C" in the "Authorized to be Expended Thru FY 2006" column denotes a continuing project.

<b>Key: Source of Funds</b>	
B	Bonds
G	General Fund
X	Other
U	Undetermined

# Public Safety

## Location of CIP Projects



**Note:** Map numbers correspond to the project descriptions in the text and on the cost summary tables. Only CIP projects with selected fixed sites are shown on the map

1. Fairfax Center Fire Station
2. Wolf Trap Fire Station
3. Crosspointe Fire Station
4. Public Safety and Transportation Operations Center (PSTOC)
5. Forensics Facility
6. Fire and Rescue Academy Improvements
7. Herndon Fire Station Land Acquisition
8. Vienna Volunteer Fire Station
13. McLean Police Station
14. Reston Police Station
15. Fair Oaks Police Station
16. Great Falls Volunteer Fire Station
17. West Ox Animal Shelter Renewal
18. Fire and Rescue Academy (West Ox Site) — Phase I Improvements