

Public Safety

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 Fire and Rescue, Police and animal control, Office of the Sheriff, 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:

- ✓ Locate fire and rescue stations to achieve a seven-minute total response time coverage, where the projected service area is greater than two square miles and is estimated to have 730 calls annually or an average of two per day.
- ✓ Evaluate the need for a centralized police vehicle storage center to provide a secure area for vehicles involved in fatal accident investigations, surveillance vehicle storage and police vehicle preparation; expand Mount Vernon police station.
- ✓ Build new fire and rescue stations located near the intersection of Beulah Road and Leesburg Pike; the Hunter Mill Road corridor north of Oakton; the area south of Clifton; and upgrade the Herndon fire station.
- ✓ Plan for a new fire and rescue station and possible colocated police station, and/or other public safety facility in the Laurel Hill area.
- ✓ Construct a forensics facility and public safety operations center on West Ox Road. 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 fire and rescue training academy when necessary based on a needs analysis for this facility.
- ✓ Build at least one additional equipment maintenance facility, preferably located in the northwestern County area.

Source: 2007 Edition of the Fairfax County Comprehensive Plan, as amended

CURRENT PROGRAM INITIATIVES

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 units. The EOC is the central facility from which local leaders control government resources, communicate information and make 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 and future demands for service delivery. The PSTOC is estimated to cost the County



Artist rendering of the new Public Safety and Transportation Operations Center (PSTOC), now under construction near the former Virginia State Camp 30 site on West Ox Road.

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

On November 7, 2006, the voters approved a Public Safety Bond Referendum to fund the expansion and renovation of the Reston, Fair Oaks and McLean District Stations, as well as the existing West Ox Animal Shelter. Each of these facilities has exceeded its intended life cycle and requires renovation/expansion to meet existing service delivery demands.

In conjunction with an overall master planning study of public safety facility needs, the police department has included replacement of functions currently operated from the Massey Building, Police Annex and its Operations Support Bureau (currently housed at the Pine Ridge facility). Additional efforts are underway to acquire a Logistics Support Warehouse to appropriately house evidence, emergency supplies and logistics, as well as specialized vehicle storage. Space allocation includes each of the agency's administrative functions, central records, property and evidence, major crimes and operations support capacities. These functions are currently being conducted from facilities that are over 40 years of age and have reached expansion or modification capacity.

Long term plans for the Police Department also include renewals and expansions of the Mason and Franconia District Stations and a combination Emergency Vehicle Operations/Canine (EVOC) training classroom. The current Driver Training space consists of portable trailers which no longer meet the training needs of the Department and are prone to water leakage. An increase in risk associated with explosive threats has also changed the volume of canine training. Currently canine training is being conducted at multiple ad-hoc sites and the Department's desire is to have the training be located full-time at the Firearms/EVOC facility.

The Police Department has also identified the need 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. The West Ox shelter is in significant need of renovations and expansion. Limited funds are available for preliminary concept work on a 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. The Operations Support Bureau located in the Pine Ridge facility has outgrown its current site. Future plans may also include the construction of a new district station in the rapidly developing Laurel Hill and Dunn Loring /Tysons areas.

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. 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 was acquired and design work completed. In addition, the Crosspointe Fire and Rescue Station was constructed to cover a void area that resulted in the Laurel Hill area after the closing of the Lorton prison. The Fairfax Center Fire and Rescue Station houses a Hazardous Materials Response Unit which was a recognized need resulting 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. The study evaluated the condition and functionality of these facilities, especially the older County and volunteer-owned stations ability to meet current requirements. The results of this assessment will assist in identifying requirements and costs associated with station improvements and renovations, as well as in the planning and scheduling of needed facility improvements and future bond requirements.

The demands on the existing Fire and Rescue training academy continue to exceed the availability of resources. Fire and Rescue Department staff conducted a training facility needs assessment and feasibility study in collaboration with the Metropolitan Washington Airports 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. The study recommendations include significant enhancement and renovation of the West Ox site to include a new multi-function training facility, a Candidate Physical Abilities Testing (CPAT) facility and additional training facilities at the Dulles site. Since the completion of the MWAA feasibility study a shared training facility at the Dulles site is no longer a viable option; therefore, research for another site to meet the additional training needs for the Fire and Rescue Department is a high priority.

Long range plans for the Fire and Rescue Department include planning and developing future fire and rescue stations to meet the service needs of projected high commercial and residential growth areas throughout the County. The Fire and Rescue Department conducts research on response times and best practices in resource allocation to optimize service delivery and to prioritize the funding needs for new stations and for renovating or expanding existing stations. The anticipated expansion of the Dulles Metrorail into the Tyson's Corner area and along the Dulles Toll Road will impact the need to maintain fire and rescue response times and service levels in the Tyson's Corner, McLean and Reston areas.

Other Public Safety Requirements

Public Safety agencies have determined the need to initiate a strategic planning process to begin planning for future development. 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. The existing Massey Building facility is over thirty years old, has deteriorating building subsystems and has significant limitations due to asbestos and a relatively inefficient floor plan. 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 a significant portion of operations moving to the Public Safety and Transportation Operations Center (PSTOC).

In addition, both Police and Fire are currently in need of warehouse space to ensure emergency equipment is "strategy deployable," while also ensuring its longevity and functionality. Additional warehouse space would provide storage for vehicles, emergency supplies, protective equipment and a designated and secure area for large seizures of evidence items. The County may take advantage of any shorter term opportunities, like leasing, lease purchase or other options that may arise to satisfy this requirement.

CURRENT PROJECT DESCRIPTIONS

NEW CONSTRUCTION

1. **Wolftrap Fire Station** (Dranesville District): \$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.
2. **Public Safety and Transportation Operations Center (PSTOC)** (Springfield District): \$100,522,130 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 current 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 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.



The above schematic depicts the layout of the new Public Safety and Transportation Operations Center (PSTOC).

On November 5, 2002, voters approved \$29 million to support 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 and includes information technology requirements and construction costs for the facility.

3. **Forensics Facility** (Springfield District): \$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 a future DNA Lab 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 will realize 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

4. **Herndon Fire Station Land Acquisition** (Dranesville District): \$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. Additional funding for the land acquisition is supported by the 2006 Public Safety Bond Referendum.
5. **McLean Police Station** (Dranesville District): \$17,900,000 for full design and construction of major renovations and infrastructure renewal at the existing police station, and expansion to meet current and future operational and staffing requirements at the station. Funds for the renovation and expansion were approved as part of the 2006 Public Safety Bond Referendum.
6. **Reston Police Station** (Hunter Mill District): \$18,800,000 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 renovation and expansion were approved as part of the 2006 Public Safety Bond Referendum.
7. **Fair Oaks Police Station** (Sully District): \$17,400,000 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 renovation and expansion were approved as part of the 2006 Public Safety Bond Referendum.
8. **Great Falls Volunteer Fire Station** (Dranesville District): \$13,100,000 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 needs to be replaced 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 equipment bays for current apparatus, HVAC and electrical systems, bunk and locker room facilities for female personnel, information technology infrastructure and administrative and support space for current staffing levels. This project is funded through the 2006 Public Safety Bond Referendum in the amount of \$12,000,000 and through an agreement in the amount of \$1,100,000 with the Great Falls Volunteer Fire Department.
9. **West Ox Animal Shelter Expansion and Renewal** (Springfield District): \$17,000,000 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 renovation and expansion were approved as part of the 2006 Public Safety Bond Referendum.
10. **Fire and Rescue Academy (West Ox Site) – Phase I Improvements** (Springfield District): \$17,100,000 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. This project is funded through the 2006 Public Safety Bond Referendum.

OTHER

11. **Emergency Management Initiatives** (Countywide): \$1,150,000 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.
12. **Public Safety Master Plan** (Countywide): \$900,000 including \$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).
13. **PSTOC Operating Costs** (Springfield District): \$1,820,972 will support the operations of the Public Safety and Transportation Operations Center (PSTOC), anticipated to be complete in Spring/Summer 2008. Funding is associated with equipment and furniture for public spaces, conferences rooms, some office space and other common areas. All of these costs are necessary to make the PSTOC fully functional.
14. **Police Video Surveillance Project.** (Countywide) \$452,250 to begin critical upgrades of digital surveillance systems at Police Department facilities. These improved digital video management servers will enable a digital platform, so staff can view, record and store evidence from site security cameras and facility interview rooms. The system will also have the capacity to easily integrate a court-recognized, digital in-cruiser video component. This system will standardize digital video systems, improve security and allow remote view access that will aid first-responders in times of crisis.
15. **Traffic Light Signalization.** (Countywide) This is a continuing program to install traffic light systems at priority fire and rescue station locations. Traffic systems may include traffic lights, station warning signals and/or preemption systems. This project is supported by the 1989 Public Safety Bond Referendum.

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

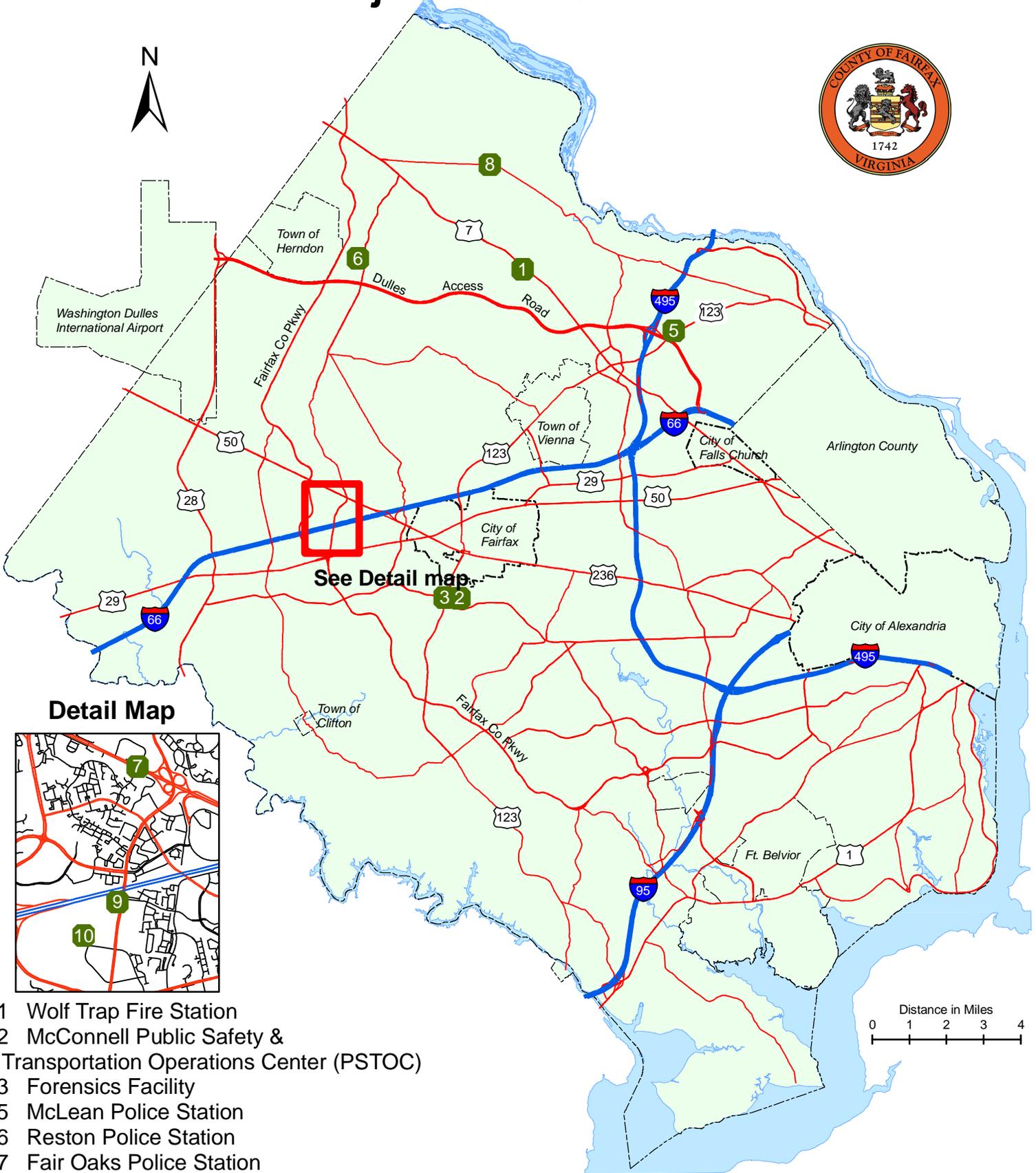
Project Title/ Project Number	Source of Funds	Budgeted or Expended Through FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY2009-FY2013	Total FY2014-FY2018	Total Project Estimate
NEW CONSTRUCTION										
1 Wolf Trap Fire Station / 009094	B	4,000	1,500	5,075	500			7,075		11,075
2 Public Safety Transportation Operations Center (PSTOC) / 009211	B, G	99,522	1,000					1,000		100,522
3 Forensics Facility / 009438	G	13,000						0		13,000
RENEWALS/ADDITIONS										
4 Herndon Fire Station Land Acquisition / 009215	G	950						0		950
5 McLean Police Station / 009227	B	0	913	2,722	8,237	6,028		17,900		17,900
6 Reston Police Station / 009226	B	0		2,942	8,501	6,376	981	18,800		18,800
7 Fair Oaks Police Station / 009225	B	1,439	2,268	7,946	5,747			15,961		17,400
8 Great Falls Volunteer Fire Station / 009224	B, X	1,425	2,000	8,125	1,550			11,675		13,100
9 West Ox Animal Shelter Renewal / 009228	B	300	1,600	6,600	8,000	600		16,800		17,100
10 Fire and Rescue Academy (West Ox Site) - Phase I Improvements / 009229	B	750	3,800	3,500	6,600	2,450		16,350		17,100
11 Emergency Management Initiatives / 009495	G	1,150						0		1,150
12 Public Safety Master Plan / 009220, 009222	G	500	400					400		900
13 Public Safety Transportation Operations Center (PSTOC) Operational Costs / 009231	G	1,821						0		1,821
14 Police Video Surveillance Project / 009526	G	452						0		452
15 Traffic Light Signalization / 009088	B	382						0		382
TOTAL		\$125,691	\$13,481	\$36,910	\$39,135	\$15,454	\$981	\$105,961	\$0	\$231,652

Key: Stage of Development	
	Feasibility Study or Design
	Land Acquisition
	Construction

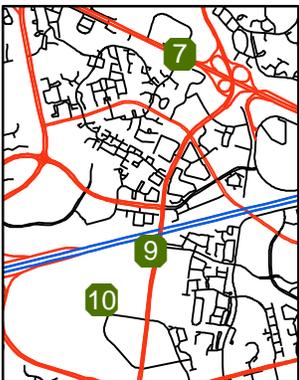
Notes:
Numbers in **bold italics** represent funded amounts.
A "C" in the 'Budgeted or Expended' column denotes a continuing project.

Key: Source of Funds	
B	Bonds
G	General Fund
S	State
F	Federal
X	Other
U	Undetermined

Public Safety Project Locations



Detail Map



- 1 Wolf Trap Fire Station
- 2 McConnell Public Safety & Transportation Operations Center (PSTOC)
- 3 Forensics Facility
- 5 McLean Police Station
- 6 Reston Police Station
- 7 Fair Oaks Police Station
- 8 Great Falls Volunteer Fire Station
- 9 West Ox Animal Shelter Renewal
- 10 Fire & Rescue Academy - Phase I Improvements

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