Public Safety

PROGRAM DESCRIPTION

Fairfax County continues to demand the timely delivery of modern, efficient public safety services. The 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:

- ✓ Establish and maintain, at a minimum, a seven-minute total response time coverage for fire and rescue emergencies to at least 95 percent of the County's population.
- ✓ 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 the fire and rescue training academy when necessary based on a needs analysis for this facility.
- ✓ Locate fire stations on a street with a traffic signal with pre-emption capability at a nearby intersection.
- ✓ Build new fire and rescue stations located near the intersection of Beulah Road and Leesburg Pike, and in the Tysons Corner area; 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.
- ✓ Maintain the current Animal Shelter on West Ox Road, and construct a new satellite animal shelter in the southeast portion of the County, preferably in the Springfield/Mount Vernon area, and collocated with other County facilities.

Source: 2007 Edition of the Fairfax County Comprehensive Plan, Areas II, III, and IV, and the Policy Plan Element, Public Facilities Section, as amended

CURRENT PROGRAM INITIATIVES

The McConnell Public Safety and Transportation Operations Center (MPSTOC), is now operational and is located near the former Virginia State Camp 30 site on West Ox Road. MPSTOC includes 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 and the County EOC is the central facility from which local leaders control government resources, communicate information and make decisions during emergencies and disasters. This facility is also shared by the Virginia State Police and the Virginia Department of Transportation (VDOT).

Staff has been planning for the replacement of the Public Safety Headquarters. The County's public safety headquarters is currently located in the 166,777 square foot Massey Building, which was constructed in 1967. The building has many inefficiencies such as: aged lighting fixtures; overloaded electrical systems with no spare capacity for new equipment; aged HVAC components with repair parts often not available; aged plumbing fixtures that cause leaking behind the building walls; roof deficiencies and leaking; obsolete fire alarm systems and no sprinkler system; and asbestos fireproofing throughout the building restricting or prohibiting access to equipment in order to make needed repairs. The building experienced two failures in 2009 due to chiller and associated component breakdowns that required staff in the building to vacate and relocate. Staff has been working on strategies to replace the Massey building and provide a suitable public safety headquarters facility. To date, an amount of $8,521,000 primarily from remaining 2006 public safety bond funding has been appropriated to support the consultant team selection and preliminary design phases for the project. Additional funding will be required to bid the project and fund the construction contract, and construction administration services. It is anticipated that remaining construction funding will be provided through alternative financing methods, most likely Economic Development Authority (EDA) bonds.

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 renovation of the existing West Ox Animal Shelter. Construction of Fair Oaks Police Station and West Ox Animal Shelter is now underway. The design of Reston and McLean Police Stations is currently in progress with construction scheduled to start in 2012. Each of these facilities had exceeded its intended life cycle and required 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 been studying replacement of functions currently operated from the Police Annex and the Operations Support Bureau (currently housed at the Pine Ridge facility). 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 Police 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. All animal shelter facilities are located in the central part of the County on West Ox Road, which is currently undergoing renovation and expansion. 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. Future plans may also include the construction of a new district station in the rapidly developing Laurel Hill and Dunn Loring /Tysons areas, as well as an animal shelter in the southern part of the County.

Fire and Rescue

The Fire and Rescue Department's Fire Station Location Master Plan serves as the general plan for locating fire and rescue stations in the County. The Master Plan defines criteria such as population, incident activity, development types and densities, road networks, target hazards, and response times for determining where future stations are needed. As a result, the West Centreville, Kingstowne, North Point, and Fairfax Center stations were constructed, and the future Wolftrap station is currently under construction. In addition, the Crosspointe Fire and Rescue Station was constructed to serve the rapid population growth in the Laurel Hill area which resulted after the closing of the Lorton prison.

A Fire Station Condition Assessments study was completed for 11 volunteer-owned fire stations and 21 of the 24 County-owned fire stations. The study evaluated the condition and functionality of these stations including the ability to meet current operational requirements. The results of this assessment, in conjunction with the increasing demand to provide accommodations (bunkroom, shower and locker facilities) for the Fire and Rescue Department's female personnel, will be utilized to plan and prioritize facility improvements as well as identify the potential need to replace existing stations.

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 funding needs for new stations and for renovating or relocating existing stations. The Dulles Metrorail expansion and anticipated development along the Dulles Toll Road will impact the need to maintain fire and rescue response times and service levels in the McLean, Tysons Corner, Reston, and Herndon areas.

In June 2010, the Fairfax County Board of Supervisors adopted the Tysons Corner Comprehensive Plan which includes a relocation of the existing Tysons Fire and Rescue Station and identifies areas for two additional fire stations to support development over the next twenty years. In 2011, the space as well as design and construction of a fully functional replacement Tysons fire station was negotiated as part of a development proffer. Likewise, the additional fire stations needed to support future growth in Tysons Corner will be negotiated through public/private partnerships with developers.

Other Public Safety Requirements

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). $11,325,000 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 design of the new station has been completed. The construction started in 2011 and is scheduled for completion late 2012. The Wolftrap fire 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. The Wolftrap Fire Station is planned to be operational in early 2014 to coincide with Phase I of the Dulles Metrorail expansion.

2. **Public Safety Headquarters** (TBD). The County's public safety headquarters is currently located in the 166,777 square foot Massey Building, which was constructed in 1967. The building has many inefficiencies such as: aged lighting fixtures; overloaded electrical systems with no spare capacity for new equipment and constant tripping of breakers; aged HVAC components with repair parts often not available; aged plumbing fixtures that cause leaking behind the building walls; roof deficiencies causing continuous leaks; obsolete fire alarm systems and no sprinkler system; and asbestos fireproofing throughout the building restricting or prohibiting access to equipment in order to make needed repairs. The building experienced two failures in 2009 due to chiller and

associated components that required staff in the building to vacate and relocate. Staff has been working on strategies to replace the Massey building and provide a suitable headquarters facility. To date, remaining 2006 public safety bond funding and some General Fund funding totaling $8,521,739 has been appropriated to support permitting and design for the project. Additional funding will be required to bid the project and fund the construction contract, and construction administration services. It is anticipated that remaining construction funding will be provided through alternative financing methods, most likely Economic Development Authority (EDA) bonds.

RENEWALS/ADDITIONS

3. **Herndon Fire Station** (Dranesville District). $13,900,000 for the design of a new fire station located at the existing Herndon Fire Station site. The new, larger station is needed to meet the current operational requirements of the Fire and Rescue Department including equipment bays that provide the flexibility for future equipment, living and operations areas for larger station staff, and bunkroom and locker facilities for female personnel. The project will also include a temporary fire station to maintain fire and rescue services during construction. This project has been included on the fall 2012 Public Safety Bond Referendum.

4. **McLean Police Station** (Dranesville District). $20,100,000 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. The project also includes renovations of the District Supervisor's office. Funds for the renovation and expansion of the Police Station were approved as part of the 2006 Public Safety Bond Referendum.

5. **Reston Police Station** (Hunter Mill District). $18,800,000 for full design and construction of a new, two-story police station on the current site. The project will provide the necessary area to mitigate existing overcrowded conditions, and meet future operational staffing requirements at the station. Funds for the police station were approved as part of the 2006 Public Safety Bond Referendum.

6. **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.

7. **Great Falls Volunteer Fire Station** (Dranesville District). $10,450,000 for design and construction of a new replacement fire station at the site of the existing station. A temporary facility was erected on site to maintain fire station operations during construction of the new station. The new, larger station is needed to meet the current operational requirements of the Fire and Rescue Department including equipment bays for existing apparatus and specialized swift water rescue equipment, bunkroom and locker facilities for female personnel, control room, exercise room, hose tower for training, larger HVAC and electrical systems and administrative space for current staffing levels. This project is funded through the 2006 Public Safety Bond Referendum and through an agreement with the Great Falls Volunteer Fire Department.

8. **West Ox Animal Shelter Expansion and Renewal** (Springfield District). $16,100,000 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.

9. **Fire and Rescue Academy (West Ox Site Phase I Improvements)** (Springfield District). $17,100,000 for full design and construction of a Burn Building and expansion/renovation of the existing West Ox Fire Training Academy. This project includes a new, multi-function training building that provides a significant increase in flexibility and capacity for Class B live fires, rappelling and other training exercises for Fairfax County fire and rescue training. Construction of this facility was completed and it was placed in operation in July 2010. The project also includes expansion/renovation of the existing training academy to replace major building systems that are at the end of their useful life cycle, address the current lack of capacity for recruit and emergency medical training as well as meet future training requirements. This project is funded through the 2006 Public Safety Bond Referendum.

10. **Bailey's Crossroads Volunteer Fire Station** (Mason District). $11,500,000 for full design and construction of a new fire station and a temporary facility during construction. On February 8, 2010, the roof over the apparatus bay of the Bailey's Crossroads Volunteer Fire Station collapsed due to the heavy snow load. This facility is over 35 years old, therefore County staff and members of the Bailey's Cross Roads Volunteer Fire Department agreed that the existing station should be replaced to meet current operational requirements. Per an Agreement and Memorandum of Understanding executed in fall 2010, a new County-owned replacement station will be constructed at the existing site combined with the adjacent Board of Supervisors owned property. The Volunteer's insurance money was allocated to fund design of the new station. In addition, this project has been included on the fall 2012 Public Safety Bond Referendum.

11. **Jefferson Fire Station** (Mason District). $13,400,000 is required for full design and construction of a new replacement fire station at the site of the existing station. The original fire station built in 1953 was a Volunteer station which has far exceeded its useful life cycle and needs to be replaced to meet current operational requirements. This project has been included on the fall 2012 Public Safety Bond Referendum.

OTHER

12. **Traffic Light Signalization** (Countywide). $968,000 for 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)

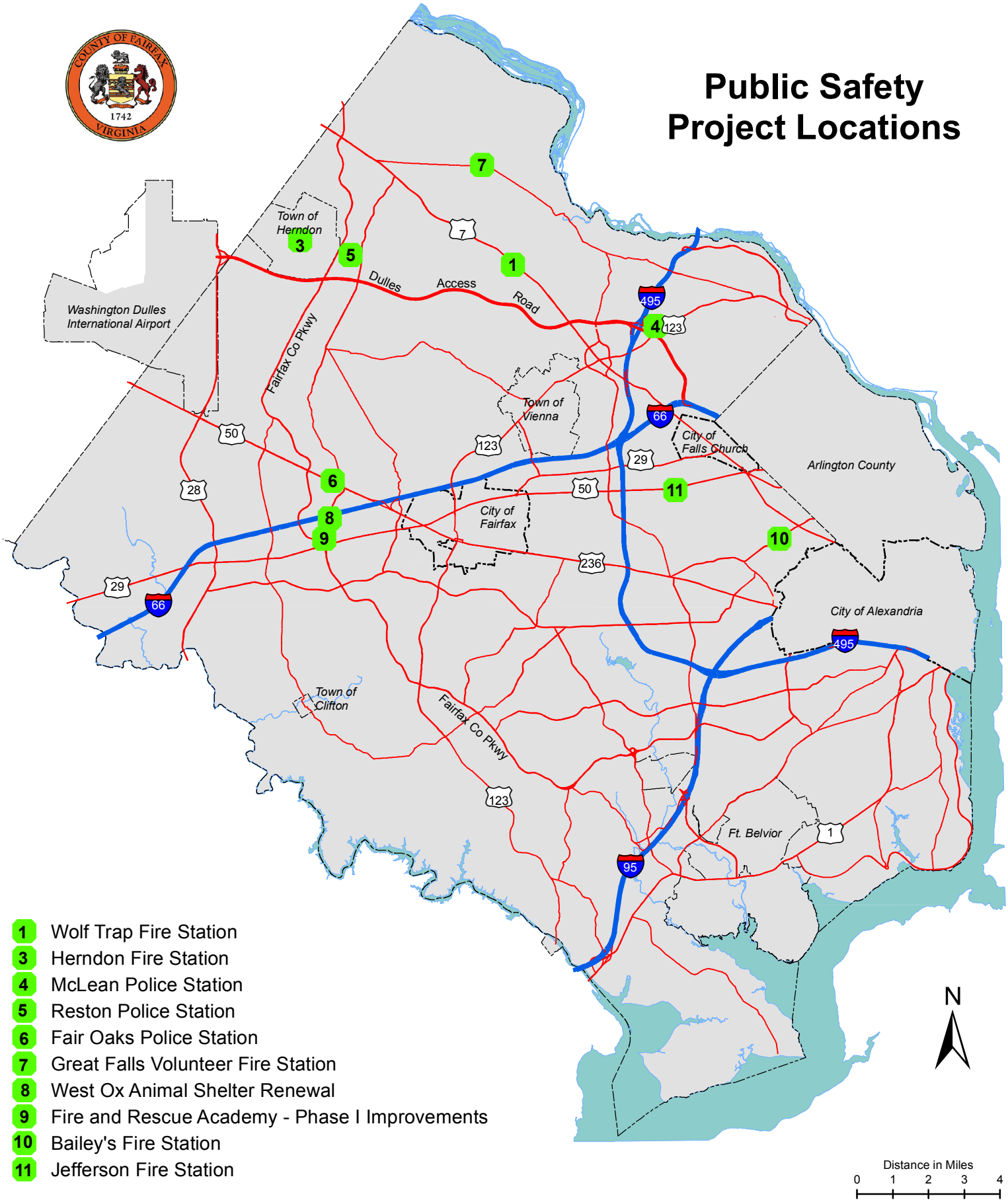
	Project Title/ Project Number	Source of Funds	Budgeted or Expended Through FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Total FY2013-FY2017	Total FY2018-FY2022	Total Project Estimate
	NEW CONSTRUCTION										
1	Wolf Trap Fire Station / 009094	B	***7,539***	***2,400***	***1,386***				3,786		11,325
2	Public Safety Headquarters / 009230	TBD	***3,299***	***5,222***					5,222		8,521
	RENEWALS/ADDITIONS										
3	Herndon Fire Station / 009215	G, B	***200***	***1,300***	8,100	4,200	100		13,700		13,900
4	McLean Police Station / 009227	B	***2,590***	***8,017***	***8,601***	***892***			17,510		20,100
5	Reston Police Station / 009226	B	***1,525***	***7,470***	***8,121***	***1,684***			17,275		18,800
6	Fair Oaks Police Station / 009225	B	***9,100***	***4,850***	***3,450***				8,300		17,400
7	Great Falls Volunteer Fire Station / 009224	B, X	***9,775***	***675***					675		10,450
8	West Ox Animal Shelter Expansion and Renewal / 009228	B	***8,890***	***5,710***	***1,500***				7,210		16,100
9	Fire and Rescue Academy (West Ox Site) - Phase I Improvements / 009229	B	***4,300***	***5,655***	***5,800***	***1,345***			12,800		17,100
10	Bailey's Fire Station / 009051	B	***1,950***	5,390	3,660	500			9,550		11,500
11	Jefferson Fire Station	B	***0***	400	800	4,200	7,700	300	13,400		13,400
12	Traffic Light Signalization / 009088	B	***968***						0		968
	TOTAL		***$50,136***	$47,089	$41,418	$12,821	$7,800	$300	$109,428	$0	$159,564

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

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

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

Public Safety Project Locations



1 Wolf Trap Fire Station
3 Herndon Fire Station
4 McLean Police Station
5 Reston Police Station
6 Fair Oaks Police Station
7 Great Falls Volunteer Fire Station
8 West Ox Animal Shelter Renewal
9 Fire and Rescue Academy - Phase I Improvements
10 Bailey's Fire Station
11 Jefferson Fire Station

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.