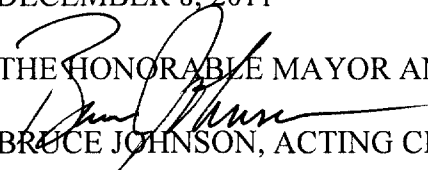


City of Alexandria, Virginia

MEMORANDUM

DATE: DECEMBER 8, 2011

TO: THE HONORABLE MAYOR AND MEMBERS OF CITY COUNCIL

FROM:  BRUCE JOHNSON, ACTING CITY MANAGER

SUBJECT: CONSIDERATION OF AUTHORIZATION OF RECOMMENDED CAPITAL PROJECT ALLOCATIONS AND PLANNED EXPENDITURES

ISSUE: City Council authorization of the recommended capital project allocations and planned expenditures.

RECOMMENDATION: That City Council authorize \$9,828,000 for capital project allocations and planned expenditures for the capital projects as detailed in the Capital Improvement Program (CIP) Expenditure Summary (Attachment).

DISCUSSION: This docket item provides a summary of Capital Improvement Program planned expenditures (Attachment). It includes projects reflected in the City's Fiscal Year 2012 Capital Budget approved by City Council, or approved in capital budgets prior to FY 2012 with a CIP budget document page reference in the Attachment. A project title listing appears below and a detailed summary appears in the Attachment.

Allocations are recommended for the following projects:

Community Development (\$600,000)	
Stream and Channel Maintenance – Tropical Storm Lee Damage	\$600,000
Recreation & Parks (\$60,000)	
Tree & Shrub Capital Maintenance	\$60,000
Public Buildings (\$7,210,000)	
Fire Station 210 (Eisenhower Valley)	\$7,210,000
Transportation & Transit – Streets & Bridges (\$750,000)	
King Street/Quaker Lane/Braddock Road Intersection – Preliminary Design	\$750,000
Sanitary Sewers (\$920,000)	
Reconstructions and Extensions of Sanitary Sewers – Holmes Run	\$920,000

Storm Sewers (\$150,000)

Miscellaneous Extension & Replacement of Storm Sewers – DASH Facility \$150,000

IT Plan (\$138,000)

Alexandria Justice Information Systems (AJIS) Enhancements \$100,000

Library Self-Checkout System \$38,000

ATTACHMENT:

Capital Improvement Program Planned Expenditures

STAFF:

Mark Jinks, Deputy City Manager

Michele Evans, Deputy City Manager

Laura Triggs, Acting Chief Financial Officer

Kendel Taylor, Acting Budget Director

Chris Bever, Analyst, Office of Management and Budget

**Attachment: Capital Improvement Program (CIP) Planned Expenditures
December 13, 2011 Report, Docketed December 13, 2011**

This attachment provides summary information on capital improvement program projects for which work will be initiated and expenditures incurred during the upcoming months. Except as noted, funding for all of the projects discussed below is included in the City's Approved FY 2011 and FY 2012 Capital Improvement Program (CIP) budgets or in prior year capital budgets.

Ongoing Maintenance Program (Category 1 Title)	CIP Section & Page	Allocation Request	OCA / Subobject	Project #
Stream and Channel Maintenance and Restoration	Community Development – p. 6-42 (FY 2012 Approved CIP)	\$600,000 (Cash Capital)	210112-2102	003-601
Project Funding Summary		<u>Use of Funds</u>		
Prior Year Unallocated Balance	\$770,750	Requested funding in the amount of \$600,000 will be utilized for structural analysis needed to assess repair needs to critical storm water infrastructure. Specific initiatives include:		
FY 2012 Program Budget	\$0	<ul style="list-style-type: none"> • Backlick Run Flume Concrete Structural Assessment (\$100,000) - Repair damage to Backlick Run stormwater infrastructure caused by Tropical Storm Lee. High flows caused by the tropical storm at the Backlick Run flume (South boundary of Cameron Station) caused significant stresses on the concrete flume causing numerous cracks. A structural analysis is required to assess the risk of flume failure. 		
Total Fiscal Year Allocations to Date	\$0	<ul style="list-style-type: none"> • Backlick Run Flume Outlet Bank Stabilization (\$200,000) - Repair damage to Backlick Run stormwater infrastructure caused by Tropical Storm Lee. High flows caused by the tropical storm at the Backlick Run concrete flume outlet caused significant erosion that now threatens a city park building foundation. Planned activities include design and construction of bank restoration and stabilization. 		
Current Allocation Request	\$600,000	<ul style="list-style-type: none"> • Backlick Run S-Curve Restoration & Stabilization (\$300,000) - Repair damage to Backlick Run stormwater infrastructure caused by Tropical Storm Lee. High flows caused by the tropical storm at the Backlick Run S-Curve (SW Corner of Armistead L. Boothe Park) caused significant erosion and the S-Curve concrete skirt was completely washed away, exposing additional park property to further erosion. Planned activities include design and construction of the S-Curve restoration and stabilization. 		
Remaining Unallocated Balance	\$170,750	<u>Project History / Background</u> This project provides for an annual capital maintenance budget for routine maintenance of various streams and channels throughout the City to preserve their capacity to carry a 100-year floodwater, and for repairs to erosion damage, stream corridor degradation, grade control structures, storm sewer discharge points, and stream stabilization/restoration.		

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**Attachment: Capital Improvement Program (CIP) Planned Expenditures
December 13, 2011 Report, Docketed December 13, 2011**

Ongoing Maintenance Program (Category 1 Title)		CIP Section & Page	Allocation Request	OCA / Subobject	Project #
Tree and Shrub Capital Maintenance		Recreation & Parks – p. 6-55 (FY 2012 Approved CIP)	\$60,000 (Cash Capital)	215335-2102	004-033
Project Funding Summary		<u>Use of Funds</u>			
Prior Year Unallocated Balance	\$0	<p>This allocation request will fund Citywide tree planting. These funds will provide for the planting of approximately 240 trees to replace those removed along city streets, in parks and at public facilities during the previous fiscal year, and to plant trees in new locations identified by staff.</p> <p><u>Project History / Background</u></p> <p>The City of Alexandria Urban Forestry Master Plan approved by City Council in September 2009 recommends the adoption of the American Forest’s goal of achieving 40% tree canopy coverage. It identifies tree planting as an integral part of sustaining and expanding the City’s tree canopy. The annual CIP funding provides for the planting of approximately 450 trees along City streets, in parks and at public facilities.</p> <p>Total project funding for FY 2012 in the approved CIP is \$226,000. Of that total, \$113,000 is designated for renovation and enhancements to the City’s horticultural sites, and \$113,000 is designated for tree planting and care on public sites, City parks, and open spaces. The FY 2012 Program Budget represents only the Tree and Shrub Capital Maintenance portion of the project.</p>			
FY 2012 Program Budget	\$113,000				
Total Fiscal Year Allocations to Date	\$0				
Current Allocation Request	\$60,000				
Remaining Unallocated Balance	\$53,000				

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**Attachment: Capital Improvement Program (CIP) Planned Expenditures
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Capital Project (Category 2/3) Name		CIP Section & Page	Allocation Request	OCA / Subobject	Project #
Fire Station 210 (Eisenhower Valley)		Public Building – p. 6-101 (FY 2012 Approved CIP)	\$7,210,000 (\$7,210,000 General Obligation Bonds)	265780-2121	005-368
Program Funding Summary		<u>Use of Funds</u>			
Total Approved Project Funding To-Date	\$13,095,000	<p>This allocation will provide for preliminary and final plan approvals, as well as Design/Build services for the Eisenhower Valley Fire Station (Station 210). The contract for Design/Build services is approximately \$11.83 million and will include:</p> <ul style="list-style-type: none"> • Concept/Preliminary/Final Development Plan Special Use Permit review and approval process including engineering and design services in support of the application process; • Design/Build bidding and construction document development and initial construction in support of the new fire station; • Construction Phase 1 - Construction of the temporary impound storage lot at Business Center Drive adjacent to the DASH Bus facility; • Construction Phase 2 - Construction of the new impound lot at the Eisenhower Avenue site; and • Construction Phase 3 - Construction of Fire Station 210, estimated to begin summer 2012 and be completed fall 2013. 			
Total Project Allocations To-Date	\$5,885,000				
Current Allocation Request	\$7,210,000				
Remaining Unallocated Project Balance	\$0				
<i>*Total Project Budget Including CIP Out-Years</i>	\$15,095,000				
		<u>Project Background</u>			
		<p>A 2005 comprehensive needs assessment identified and determined the need for additional fire stations with particular attention to future needs in the western Eisenhower Valley area. The study focused primarily on response times and service requirements based on established standards. In FY 2008, a City Manager work group identified a more efficient utilization of the City's impound lot, allowing for the City-owned lot on Eisenhower Avenue to be reconfigured and used for the proposed new fire station which would co-exist with the existing Police Department pistol range and reduced impound lot. The concept also includes a provision for a secondary relief impound lot storage yard to hold vehicles for auction. City Council and Planning Commission approval for the relief lot was obtained in May 2011.</p>			

**Includes \$2.0 million planned in FY 2013 as part of the Approved FY 2012 – 2021 CIP.*

**Attachment: Capital Improvement Program (CIP) Planned Expenditures
December 13, 2011 Report, Docketed December 13, 2011**

Capital Project (Category 2/3) Name		CIP Section & Page	Allocation Request	OCA / Subobject	Project #
King Street / Quaker Lane/ Braddock Road Intersection		Transportation & Transit – Streets & Bridges – p. 6-143 (FY 2012 Approved CIP)	\$750,000 (Cash Capital)	245475-2102	011-112
Program Funding Summary		<u>Use of Funds</u>			
Total Approved Project Funding To-Date	\$1,398,000	The requested allocation of \$750,000 will provide funding to begin preliminary engineering for this project initially to better define the needed right-of-way, which will address traffic issues at one of the most congested areas in the City. The requested allocation is from City funds in the amount of \$750,000, and a remaining unallocated balance of \$448,000 remains from State Urban Funds.			
Total Project Allocations To-Date	\$200,000	<u>Project Background</u>			
Current Allocation Request	\$750,000	This project provides funding to alleviate traffic congestion problems at the King Street / Quaker Lane / Braddock Road intersection.			
**Remaining Unallocated Project Balance	\$448,000	In October 2007, \$200,000 in State funding was allocated to begin this project. A study was completed by a consultant who developed and analyzed several options for improving this intersection, provided a thorough review of the existing design and traffic flow and recommended steps for redesign to improve the intersection for both motorists and pedestrians. A preferred alternative has been selected by T&ES and T&ES is ready to proceed with the preliminary design work. T&ES plans to hold a future public meeting in January, and then will bring the proposed design to City Council for endorsement. A total of \$5.4 million for construction is planned in FY 2013. Funding is from the 2.2 cents reserved real estate tax rate for new transportation projects.			
**Total Project Budget Including CIP Out-Years	\$6,798,000				

*Remaining unallocated project balance is State Urban Funds.

**Includes \$5.4 million planned in FY 2013 as part of the FY 2012 – 2021 Approved CIP.

**Attachment: Capital Improvement Program (CIP) Planned Expenditures
December 13, 2011 Report, Docketed December 13, 2011**

Ongoing Maintenance Program (Category 1 Title)		CIP Section & Page	Allocation Request	OCA / Subobject	Project #
Reconstructions and Extensions of Sanitary Sewers		Sewers – p. 6-193 (FY 2012 Approved CIP)	\$920,000 (Sanitary Sewer Fees)	255133-2102	013-501
Project Funding Summary		<u>Use of Funds</u>			
Prior Year Unallocated Balance	\$2,430,050	<p>On Oct 6, 2011, the City of Alexandria and Fairfax County became aware of sewage leaks in their respective sewer lines that cross the Holmes Run channel in the vicinity of Paxton Street. The City believes that the damage to the sewer lines occurred as a result of Tropical Storm Lee. The damage to the sewer lines is estimated at \$2.79 to \$3.36 million, and the City pursuing allowable reimbursement from FEMA. On Oct 9, 2011, bypass pumping was put in place that diverts sanitary flows. The City and Fairfax County are preparing construction documents to construct diversion chambers which will eliminate the bypass pumping.</p> <p>This allocation request of \$920,000 would fund two tasks associated with repair and replacement of a sanitary sewer:</p> <ul style="list-style-type: none"> • Bypass pumping of sanitary sewer flows for 4 months (\$300,000); and • Design and construction of a diversion structure and associated piping to eliminate the bypass pumping (\$620,000). 			
FY 2012 Program Budget	\$863,868				
Total Fiscal Year Allocations to Date	\$0				
Current Allocation Request	\$920,000				
Remaining Unallocated Balance	\$2,373,918	<p><u>Project History / Background</u></p> <p>This project provides for the construction of new sewer mains and the replacement and rehabilitation of old lines as needed.</p>			

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December 13, 2011 Report, Docketed December 13, 2011**

Ongoing Maintenance Program (Category 1 Title)		CIP Section & Page	Allocation Request	OCA / Subobject	Project #
Miscellaneous Extension & Replacement of Storm Sewers		Sewers – p. 6-203 (FY 2012 Approved CIP)	\$150,000 (Stormwater Tax)	250076-2121	012-301
Project Funding Summary		<u>Use of Funds</u>			
Prior Year Unallocated Balance	\$2,197,715	<p>Requested funding in the amount of \$150,000 will be utilized for work to be completed at the DASH Facility (3000 Business Center Drive). The building was constructed with the existing outfall for the off-site drainage because of complications in dealing with CSX, and was left as a future project which would need to be completed. Dual 42" diameter storm sewer pipes carry flow from Duke Street and adjacent upstream areas through the DASH site. The outlet is one 36" diameter storm sewer pipe under the railroad tracks, which is undersized. During large storm events, the stormwater may back up in the pipes and flow out of an upstream manhole located on the DASH property, at a higher elevation than the building. If this happens, water flows out of the manhole and damages the blacktop on the north side of the building. The water then sheet flows across the blacktop into and thru the DASH building and causes flooding in the building. The maintenance pits (located in the maintenance bays for access to the vehicle undercarriage) get flooded and have to be pumped-out.</p> <p>Severe flooding of the facility occurs during more extreme events (e.g. June 2006 & September 2011). This allocation will provide funding for the design and delivery of bid documents for improvements necessary to provide the DASH Facility with an adequate stormwater outfall.</p> <p><u>Project History / Background</u> This project provides funding for essential infrastructure maintenance on the City's storm sewer system. Projects are identified as reconstruction projects due to deterioration or needed additional capacity to reduce flooding.</p>			
FY 2012 Program Budget	\$1,266,398				
Total Fiscal Year Allocations to Date	\$0				
Current Allocation Request	\$150,000				
Remaining Unallocated Balance	\$3,314,113				

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**Attachment: Capital Improvement Program (CIP) Planned Expenditures
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Ongoing Maintenance Program (Category 1 Title)		CIP Section & Page	Allocation Request	OCA / Subobject	Project #
Alexandria Justice Information Systems (AJIS) Enhancements		IT Plan – p. 7-62 (FY 2012 Approved CIP)	\$100,000 (Cash Capital)	265950-2121	015-540
Project Funding Summary		<u>Use of Funds</u>			
Prior Year Unallocated Balance	\$91,000	The requested allocation will provide funding for the purchase of hardware, software and services to upgrade the Alexandria Justice Information System (AJIS) and the supporting courthouse servers to newer Windows environments. The upgrade is required due to the expiration of hardware warranties and the requirement to procure new software licenses for the Windows environment. Funds will also be used to move from physical servers to virtualized servers using VMware, which provides failover protection and the ability to easily expand the server as needed.			
FY 2012 Program Budget	\$100,000				
Total Fiscal Year Allocations to Date	\$0				
Current Allocation Request	\$100,000	<u>Project History / Background</u>			
Remaining Unallocated Balance	\$91,000	AJIS continues to provide multiple City agencies and the law enforcement community with access to critical civil, criminal court and inmate management data, mug shots, documents and reports. AJIS interfaces with other systems to furnish data to other local, regional and national law enforcement agencies. Additionally, it provides the public with free, as well as fee-based, Internet access to circuit court data and documents. User agencies depend on AJIS to provide mission-critical court and jail management information around the clock. Agencies use AJIS to help confirm compliance with accreditation standards, grant applications or other statistical needs. Funds are used for regular hardware upgrades needed to accommodate increased functionality and expanded database storage, including document and image archiving. Software upgrades and updates are needed to maintain compatibility and warranty support.			

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Capital Project (Category 2/3) Name		CIP Section & Page	Allocation Request	OCA / Subobject	Project #
Library Self-Checkout System		IT Plan – p. 7-77 (FY 2012 Approved CIP)	\$38,000 (Cash Capital)	265401-2121	TBD
Program Funding Summary		<u>Use of Funds</u>			
Total Approved Project Funding To-Date	\$38,000	<p>The requested allocation funds the acquisition of two automated library self-checkout stations. One will be deployed at the Barrett Library, and the other at the Burke Library. Over 1,000,000 items are checked out annually at the Alexandria Library, and both the Alexandria Library patrons and staff benefit from the addition of the two new self-checkout systems.</p> <p>Self-checkout systems allow for fast checkouts and renewals for all types of circulating materials; instructions are available in multiple languages; it provides date due and status receipts; and allows the user access to personalized information such as fines/fees, books on hold, etc. With the addition of self-checkout stations, staff can spend more time providing more meaningful customer service throughout the library. It also allows the circulation staff additional time to perform other critical functions such as conducting inventories, collection maintenance, gathering and preparing requested items for patrons, and working with patrons who require assistance with registrations, fines and other situations that require staff assistance.</p> <p><u>Project Background</u> In July, 2008, the Alexandria Library successfully installed two self-check stations at the Beatley Central Library with the intent of improving customer service by offering an alternative to waiting in line for standard patron services. In January 2011, the Alexandria Library was able to install one self-checkout station at the Duncan Library, the second highest use facility.</p>			
Total Project Allocations To-Date	\$0				
Current Allocation Request	\$38,000				
Remaining Unallocated Project Balance	\$0				
<i>Total Project Budget Including CIP Out-Years</i>	\$38,000				

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