

**Capital Improvement Program
FY2011-FY2015**

**School Board
January 12, 2010**

Capital Improvement Program

The Chesterfield County Charter Section 5.2 specifies that "No later than March 1 of each year, the Superintendent of Chesterfield County Public Schools shall submit to the County Administrator his estimate of projected revenues and expenditures for the next fiscal year in a form requested by the County Administrator as well as a six-year capital improvement program." As in previous years, the County Administrator requested a draft of the Capital Improvement Program in December of 2009 and the adopted Program by January of 2010.

The County Administrator provides to the Superintendent annually a projection of the funding available to the School Board for capital needs. This funding consists of "pay-as-you-go" dollars referred to as the CIP Reserve, cash proffers negotiated at the time of rezoning to help defray the capital costs associated with the resultant development, and the capacity to issue general obligation bonds of the County. The capacity is determined in accordance with fiscal policies of the Board of Supervisors. Debt service on bonds issued by the County on behalf of the School Board is included in the School Board's operating budget adopted annually. For FY2011-2015, funds available through the CIP Reserve total \$53,688,200; cash proffers are estimated at \$7,106,000; capacity is \$121,000,000.

In the winter of 2003 and spring of 2004, staff completed a school-by-school review of the adequacy of facilities based upon three major factors: (1) overcrowding, (2) special program needs and (3) the age and condition of the facility. Based on the School Board's policy, possible solutions to these conditions included portable classrooms, alternative space, relocation of special programs, changes in attendance zones, additions and/or renovations to the facility, and the construction of new facilities. The capital improvements included for funding in FY2005-2011 were those schools where the most appropriate solution was addition, renovation, or new construction. Based on that analysis, a bond referendum was held in November of 2004. The referendum, overwhelmingly approved by voters, included construction of two new elementary schools, two new middle schools, and a replacement for Clover Hill High School. In addition, renovations and additions were included at 13 existing schools. The projects included in this proposed Capital Improvement Plan for FY11 are the same as those included in the previous plan and shared with voters prior to the referendum, with the exception of the renovations to the current Clover Hill High School to convert it to a 21st Century Academy.

The FY2010-2015 CIP adopted in January of 2010 included funding for a new high school and a new elementary school to relieve existing and projected overcrowding. Due to the current economic conditions, funding for fiscal years 2011 through 2015 has been reduced by more than \$50 million. As a result, this Plan does not provide for any new schools. Funding is provided for additions and renovations at existing elementary schools to provide capacity and make much-needed improvements. In order to relieve some of the severe overcrowding at the high school level, the School Board is using some existing middle school capacity to provide additional high school seats.

1. Renovations and Additions to Existing Facilities

In lieu of building additional new schools, this Plan is focused on using current facilities and available resources as efficiently as possible. To this end, resources are dedicated to building additional capacity at existing schools and at the same time modernizing those facilities to enable continuation of the usefulness on a cost effective basis and meet current program standards. Renovations and/or additions are proposed at Enon, Harrowgate, Matoaca, and Watkins elementary schools; and Midlothian and Monacan high schools. In addition, a replacement of the HVAC system and renovation for new technical education space is planned for the current Clover Hill High School facility to enable its use as the 21st Century Academy.

A total of \$28,000,000 is dedicated to further additions/renovations at the elementary level. A review of enrollment projections, current levels of overcrowding, and age and condition of our elementary schools will be made this spring. After review of that information, the Board will determine which elementary schools will be funded through this set aside.

2. Technology

Funding through the Capital Improvement Plan provides the backbone of the school division's technology program for both direct instruction and management efficiency. A strategic five-year *Technology Master Plan*, approved by the School Board, identifies the goals and progress measures for the division's implementation of technology. The *Technology Master Plan* will ensure students obtain 21st Century skills to include: Creativity and Innovation, Critical Thinking and Problem Solving, Communication and collaboration, Information Literacy, and Life and Career Skills. Technology will be integrated, in a regular and systematic manner, into subject areas to ensure relevance and

Capital Improvement Program

rigor. Additionally, CIP funding will be targeted to ensure effective and efficient management systems for instructional data management. The *Technology Master Plan* is scheduled for revision in the current school year. The CIP identifies \$12,327,100 in FY2011 – FY2015 for implementation of the new *Plan* once adopted by the School Board.

Funding from the Capital Improvement Plan supports the purchase of new and replacement computers, data network equipment and cabling and classroom display devices. Annually \$3.0 to \$3.25 million is dedicated to replacement in order to maintain a four-year replacement cycle of technology equipment.

3. Major Maintenance

In the fall of 2009, the school division has 65 school buildings and 9 additional buildings totaling almost 8 million square feet under roof. Twenty-seven schools will be more than 40 years old, with twenty-two schools 20-39 years old. Only six schools will be less than ten years old. As the facilities age, regular renovations and improvements become even more critical. On an annual basis, projects in major categories will need to be completed. The major categories for the anticipated needs are roof replacements, floor coverings, mechanical systems replacement and upgrades, other building renovations, and grounds improvements.

Committing a minimum of \$3.0 million annually, (\$3.5 to \$4.0 million in the out years of the plan for inflationary increases) to facility improvement projects in the categories identified above will enable the school division to make reasonable progress toward meeting the ongoing need for facility improvements as the buildings age. This funding commitment will increase the “life expectancy” as safe and productive environments for teaching and learning. A critical needs assessment indicated \$60 million of critical major maintenance existed two and a half years ago. Funding was included in FY2008, FY2009 and FY2010 to begin to address some of the unfunded needs identified. The Facilities Department has indicated the need for an additional \$22,700,000 of upgrades to existing HVAC systems within the next three years in order to prevent major disruption to the operation of these buildings. In addition, there is a need to begin to make improvements to buildings to conserve energy. A total of \$1,500,000 is included for this purpose. Also, some security enhancements are needed to ensure our students and faculty are housed in the safest and most secure environment possible. A total of \$1,250,000 is included for these improvements.

4. Administrative Space

The current School Board Administrative Building was constructed more than 40 years ago with no major renovations or systems upgrades since that time. Funds have been included in FY2012 (\$750,000) to begin planning for some improvements to the building to enable it to remain viable for use. Funding for required upgrades (\$1,250,000) is proposed for FY2013.

5. Reserve for Future School Projects

The Superintendent has recommended to the School Board that some capacity be held in reserve for future school projects. In addition, staff will analyze all schools for required improvements (capacity, security, maintenance, etc.) as well as analyze options for housing the projected high school population into the future. These two items will be brought to the School Board in the spring/summer of 2010 in preparation for the next capital improvement planning process.

The Board of Supervisors has undertaken a multi-year review of the County’s Comprehensive Plan which will likely include an update to the Public Facilities Plan. As part of this effort, reviews of enrollment growth and patterns will continue to determine the need for new schools to address current and future enrollment growth. This review may cause priorities included in the out years of this Plan (FY2012 and beyond) to be revised as appropriate and/or recommend further investment in capital spending.

Information is provided on the following pages that provide:

- Attachment A FY2011-2015 Capital Improvement Plan Financial Summary
- Attachment B Enrollment data at the elementary, middle, and high school level for the past twenty-five years
- Attachment C Data on functional capacity, enrollment and mobile classrooms as of fall of 2009
- Attachment D School CIP summary with project descriptions and fund sources

2011-2015 Capital Improvement Plan Financial Summary

<u>Sources:</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>Total</u>
CIP Reserve Transfer	9,609,300	8,779,900	11,345,000	11,742,000	12,212,000	53,688,200
Debt Financing	33,074,700	18,105,200	20,816,000	22,065,600	26,938,500	121,000,000
Cash Proffers	1,351,100	1,417,300	1,431,500	1,445,800	1,460,300	7,106,000
	<u>44,035,100</u>	<u>28,302,400</u>	<u>33,592,500</u>	<u>35,253,400</u>	<u>40,610,800</u>	<u>181,794,200</u>

<u>Uses:</u>						
Major Maintenance	3,000,000	3,500,000	3,500,000	4,000,000	4,000,000	18,000,000
Critical Needs (HVAC)	6,700,000	10,000,000	6,000,000			22,700,000
Energy Improvements	500,000	250,000	250,000	250,000	250,000	1,500,000
Security Enhancements	250,000	250,000	250,000	250,000	250,000	1,250,000
Technology Plan	4,255,700	4,102,800	1,911,000	2,057,600		12,327,100
Replacement Technology	3,000,000	3,000,000	3,000,000	3,250,000	3,250,000	15,500,000
Future Acquisitions	<u>829,400</u>	<u>949,600</u>	<u>1,431,500</u>	<u>1,445,800</u>	<u>1,460,300</u>	<u>6,116,600</u>
Subtotal	18,535,100	22,052,400	16,342,500	11,253,400	9,210,300	77,393,700
Watkins Elementary	4,500,000					4,500,000
Midlothian High	12,000,000					12,000,000
Monacan High		1,000,000		11,000,000		12,000,000
Harrowgate Elementary		500,000	4,500,000			5,000,000
Enon Elementary		500,000	4,500,000			5,000,000
Matoaca Elementary		500,000	7,000,000			7,500,000
Elementary Additions/Renovations		3,000,000		13,000,000	12,000,000	28,000,000
21st Century Academy	9,000,000					9,000,000
Administrative Space		750,000	1,250,000			2,000,000
Reserve for Future School Projects					19,400,500	19,400,500
	<u>44,035,100</u>	<u>28,302,400</u>	<u>33,592,500</u>	<u>35,253,400</u>	<u>40,610,800</u>	<u>181,794,200</u>

	CIP	Debt	Proffer	State
FY11				
Main	1,524,200			
Technology	7,255,700			
	<u>829,400</u>			
	9,609,300			
High			521,700	
Future Acq			<u>829,400</u>	
			1,351,100	
Technology Projects				0
Elementary		4,500,000		
High		19,648,900		
Maintenance		<u>8,925,800</u>		
		33,074,700		

FY12

Maintenance	1,677,100			
Technology	<u>7,102,800</u>			
	8,779,900			
Elementary			467,700	
Future Acq			<u>949,600</u>	
			1,417,300	
Elementary		4,032,300		
High		1,000,000		
Admin		750,000		
Maintenance		<u>12,322,900</u>		
		18,105,200		

FY13

Maintenance	6,434,000			
Technology	<u>4,911,000</u>			
	11,345,000			
Future Acq			<u>1,431,500</u>	
			1,431,500	
Maintenance		3,566,000		
Elementary		16,000,000		
Admin		<u>1,250,000</u>		
		20,816,000		

FY14

Maintenance	4,500,000		
Technology	5,307,600		
Elementary	<u>1,934,400</u>		
	11,742,000		
Future Acq		1,445,800	
High		11,000,000	
Elementary		<u>11,065,600</u>	
		22,065,600	

FY15

Maintenance	4,500,000		
Technology	3,250,000		
Elementary	<u>4,462,000</u>		
	12,212,000		
Future Acq		1,460,300	
Elementary		7,538,000	
Reserve for Future		<u>19,400,500</u>	
		26,938,500	
	53,688,200	121,000,000	7,106,000
			0
			181,794,200

September 30th Membership History

Attachment B

Year	Elementary	Growth @ Elem	Middle	Growth @ Middle	High	Growth @ High	Total	Total Growth
1982	14,891		9,213		9,862		33,966	
1983	15,053	162	9,058	-155	10,302	440	34,413	447
1984	15,785	732	8,748	-310	11,246	944	35,779	1,366
1985	16,715	930	8,368	-380	11,852	606	36,935	1,156
1986	18,145	1,430	8,522	154	12,180	328	38,847	1,912
1987	19,446	1,301	8,809	287	12,180	0	40,435	1,588
1988	20,489	1,043	9,126	317	11,942	-238	41,557	1,122
1989	21,628	1,139	9,420	294	11,919	-23	42,967	1,410
1990	22,481	853	9,987	567	12,012	93	44,480	1,513
1991	22,938	457	10,515	528	12,238	226	45,691	1,211
1992	23,541	603	10,782	267	12,678	440	47,001	1,310
1993	23,965	424	10,895	113	13,060	382	47,920	919
1994	23,407	-558	11,086	191	13,556	496	48,049	129
1995	23,747	340	11,463	377	13,847	291	49,057	1,008
1996	23,899	152	11,835	372	14,047	200	49,781	724
1997	23,786	-113	12,083	248	14,314	267	50,183	402
1998	23,926	140	12,230	147	14,366	52	50,522	339
1999	23,766	-160	12,301	71	14,864	498	50,931	409
2000	23,449	-317	12,549	248	15,246	382	51,244	313
2001	23,711	262	12,942	393	15,723	477	52,376	1,132
2002	23,902	191	13,385	443	16,258	535	53,545	1,169
2003	24,270	368	13,517	132	17,006	748	54,793	1,248
2004	24,570	300	13,619	102	17,464	458	55,653	860
2005	25,021	451	13,694	75	18,035	571	56,750	1,097
2006	25,651	630	13,657	-37	18,622	587	57,930	1,180
2007	25,953	302	13,656	-1	18,805	183	58,414	484
2008	26,096	143	13,581	-75	18,894	89	58,571	157
2009	26,221	125	13,665	84	19,040	146	58,926	355

NOTE: Totals include the Governor's Schools

Fall 2009 STATISTICS

ELEMENTARY SCHOOL	2008-2009 FUNCTIONAL CAPACITY	SEPTEMBER 30, 2009 MEMBERSHIP	(OVER)/UNDER CAPACITY	PERCENT OF FUNCTIONAL CAPACITY	NUMBER OF CLASSROOM TRAILERS 2008-09
ALBERTA SMITH ELEM	720	725	(5)	101%	8
BELLWOOD ELEM	354	451	(97)	127%	8
BENSLEY ELEM	617	655	(38)	106%	5
BEULAH ELEM	476	564	(88)	118%	6
BON AIR ELEM	536	533	3	99%	0
CHALKLEY, JA ELEM	761	728	33	96%	3
CLOVER HILL ELEM	733	843	(110)	115%	8
CRENSHAW, THELMA ELEM	687	753	(66)	110%	7
CRESTWOOD ELEM	628	593	35	94%	4
CURTIS, CE ELEM	858	724	134	84%	0
DAVIS, AM ELEM	670	638	32	95%	5
ECOFF ELEM	782	724	58	93%	2
ELIZABETH SCOTT	871	806	65	93%	0
ENON ELEM	575	477	98	83%	3
ETTRICK ELEM	516	541	(25)	105%	0
EVERGREEN ELEM	1,019	934	85	92%	4
FALLING CREEK ELEM	515	624	(109)	121%	1
GATES, OB ELEM	782	824	(42)	105%	8
GORDON, WW ELEM	740	640	100	86%	0
GRANGE HALL ELEM	825	758	67	92%	4
GREENFIELD ELEM	641	598	43	93%	0
HARROWGATE ELEM	552	465	87	84%	4
HENING, JG ELEM	805	886	(81)	110%	7
HOPKINS ROAD ELEM	551	589	(38)	107%	5
JACOBS ROAD ELEM	746	781	(35)	105%	5
MARGUERITE F CHRISTIAN	715	734	(19)	103%	4
MATOACA ELEM	474	525	(51)	111%	2
PROVIDENCE ELEM	667	630	37	94%	1
REAMS ROAD ELEM	618	503	115	81%	0
ROBIOUS ELEM	795	666	129	84%	0
SALEM CHURCH ELEM	730	637	93	87%	0
SPRING RUN ELEM	904	819	85	91%	0
SWIFT CREEK ELEM	759	827	(68)	109%	5
WATKINS, JB ELEM	739	929	(190)	126%	9
WEAVER, BETTIE ELEM	746	863	(117)	116%	6
WELLS, CC ELEM	723	691	32	96%	2
WINTERPOCK	930	750	180	81%	0
WOOLRIDGE ELEM	746	793	(47)	106%	3
TOTAL	26,506	26,221	285	99%	129

Fall 2009 STATISTICS

MIDDLE SCHOOL	2008-2009 FUNCTIONAL CAPACITY	SEPTEMBER 30, 2009 MEMBERSHIP	(OVER)/UNDER CAPACITY	PERCENT OF FUNCTIONAL CAPACITY	NUMBER OF CLASSROOM TRAILERS 2008-09
BAILEY BRIDGE MIDDLE	1,600	1,424	176	89%	0
CARVER MIDDLE	1,287	845	442	66%	1
CHESTER MIDDLE	887	697	190	79%	0
ELIZABETH DAVIS MIDDLE	1,284	784	500	61%	0
FALLING CREEK MIDDLE	1,054	1,087	(33)	103%	16
MANCHESTER MIDDLE	1,308	1,356	(48)	104%	20
MATOACA MIDDLE	1,364	1,098	266	80%	3
MIDLOTHIAN MIDDLE	1,269	1,204	65	95%	11
PERRYMONT MIDDLE	NA	87	NA	NA	1
PROVIDENCE MIDDLE	1,050	839	211	80%	3
ROBIOUS MIDDLE	1,094	1,244	(150)	114%	15
SALEM CHURCH MIDDLE	947	847	100	89%	3
SWIFT CREEK MIDDLE	1,030	1,022	8	99%	2
TOMAHAWK CREEK MIDDLE	1,331	1,131	200	85%	0
TOTAL	15,505	13,665	1,840	88%	75

HIGH SCHOOL	2008=2009 FUNCTIONAL CAPACITY	SEPTEMBER 30, 2009 MEMBERSHIP	(OVER)/UNDER CAPACITY	PERCENT OF FUNCTIONAL CAPACITY	NUMBER OF CLASSROOM TRAILERS 2008-09
BIRD, LLOYD C. HIGH	1,660	1,886	(226)	114%	5
CHESTERFIELD COM HIG	559	371	NA	NA	0
CLOVER HILL HIGH	1,573	1,629	(56)	104%	4
COSBY HIGH	1,532	2,035	(503)	133%	6
JAMES RIVER HIGH	2,053	1,986	67	97%	2
MANCHESTER HIGH	2,107	1,928	179	92%	5
MATOACA HIGH.	1,547	1,805	(258)	117%	0
MEADOWBROOK HIGH	1,541	1,798	(257)	117%	4
MIDLOTHIAN HIGH	1,621	1,411	210	87%	0
MONACAN HIGH	1,674	1,442	232	86%	0
THOMAS DALE HS	1,840	2,396	(556)	130%	13
TOTAL	17,707	18,687	(980)	106%	39
GRAND TOTAL	59,718	58,573			243

GOVERNOR'S SCHOOLS NA 353

W/ GOVERNOR'S SCHOOLS 58,926

ADDITIONS/RENOVATIONS – ELEMENTARY SCHOOLS

Project Description/Justification:

The following elementary school additions and renovations are planned in the school's capital improvement program:

Watkins Elementary:

Funding in the amount of \$4,500,000 in FY2011 is provided to design and construct additional classroom space for ESL, special education, music and art. Renovations of the main office for security are also included in the plan. Capacity is expected to be increased by about 150 students when opened in fall 2012. Funds in the amount of \$500,000 were included in a prior Plan for design. This school is in the Midlothian District.

Harrowgate Elementary:

Design and construction funds of \$500,000 in FY2012 and \$4,500,000 in FY2013 are provided to add new classrooms, parking and work space. The new space will increase capacity by about 150 students. Completion is expected in fall 2013. This school is in the Bermuda District.

Enon Elementary:

This project includes \$500,000 in FY2012 and \$4,500,000 in FY2013 to design and add new space for classrooms, special education, storage, conferences and the cafeteria. Renovations of the main office for security are also included in the plan. Capacity at the school is expected to be increased by about 150 students when opened in fall 2013. This school is in the Bermuda District.

Matoaca Elementary:

This project includes \$500,000 in FY2012 and \$7,000,000 in FY2013 to design and construct additional classrooms. Renovations to some existing classrooms, the cafeteria, bathrooms, and the main office for security are also included. This school is in the Matoaca District.

Additional Projects:

In lieu of building an additional elementary school, funding is set aside to provide capacity in selected areas of the county where overcrowding exists and boundary changes cannot be used to solve the issue. At the same time funding will be used to make upgrades to these facilities as necessary. Specific schools will be determined in the spring of 2010 after a review of enrollment projections and needs countywide. Funding of \$3,000,000 in FY2012, \$13,000,000 in FY2014 and \$12,000,000 in FY2015 for a total of \$28,000,000 is set aside for these projects.

Estimated Project Costs:

Total projected cost for elementary school additions and renovations is \$50,000,000.

Operating Cost Detail:

Operating costs are not expected to substantially increase from these projects. Additional costs will be offset by reductions related to current temporary facilities. Staffing levels are based on current student populations and should remain unchanged.

Impact If Not Completed:

Students in the county will face shortages in educational space.

	Prior Years	FY2011	FY2012	FY2013	FY2014	FY2015	TOTAL FY11-15
Reserve for CIP	\$0	\$0	\$0	\$0	\$1,934,400	\$4,462,000	\$6,396,400
GO Debt	1,000,000	4,500,000	4,032,300	16,000,000	11,065,600	7,538,000	43,135,900
Lease Purchase	0	0	0	0	0	0	0
Other Sources	0	0	0	0	0	0	0
Cash Proffers	0	0	467,700	0	0	0	467,700
TOTAL	\$1,000,000	\$4,500,000	\$4,500,000	\$16,000,000	\$13,000,000	\$12,000,000	\$50,000,000

ADDITIONS/RENOVATIONS – HIGH SCHOOLS

Project Description/Justification:

The following high school additions and renovations are planned in the school's capital improvement program:

Midlothian High:

Construction funds of \$12,000,000 are provided in FY2011 for the design and construction of additional gym, music, storage, and science lab space. The plan also includes the conversion of the Shop area for other uses and the renovation of the main office area for security. Funds (\$1,000,000) were previously provided for the design of the project. Completion is expected fall 2012. This school is in the Midlothian District.

Monacan High:

The construction plan includes \$1,000,000 in FY2012 for design and \$11,000,000 in FY2014 to construct two science labs and add fine arts, guidance, storage, and physical education space to the school. Securing of the balconies in the technical education room and the renovation of the main office for security is also in the plan. Construction is expected to be completed fall 2015. This school is in the Clover Hill District.

21st Century Academy (former Clover Hill High School):

In FY11, the plan includes a total replacement of the HVAC system (\$8 million) and \$1 million for renovations that will be required to create space for selected vocational/technical education courses.

Estimated Project Costs:

Total projected cost for these high school additions and renovations is \$33,000,000.

Operating Cost Detail:

Operating costs are not expected to substantially increase from these projects. Some additional staff will be required to administer the 21st Century Academy. Current facility staffing (custodial) will remain. Teaching staff should be relocated from other schools in proportion to the students being served. Staffing levels at Monacan and Midlothian are based on current student populations and therefore should remain unchanged.

Impact If Not Completed:

Students in the county will face shortages in educational space.

	Prior Years	FY2011	FY2012	FY2013	FY2014	FY2015	TOTAL FY11-15
Reserve for CIP	\$0	\$829,400	\$0	\$0	\$0	\$0	\$829,400
GO Debt	1,000,000	19,648,900	1,000,000	0	11,000,000	0	31,648,900
Lease Purchase	0	0	0	0	0	0	0
Other Sources	0	0	0	0	0	0	0
Cash Proffers	0	<u>521,700</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>521,700</u>
TOTAL	\$1,000,000	\$21,000,000	\$1,000,000	\$0	\$11,000,000	\$0	\$33,000,000

ADMINISTRATIVE SPACE

Project Description/Justification:

The current owned facility is more than 40 years old and has never been renovated. In order for the building to continue to be used as viable administrative space, some renovations and systems upgrades must be made. A total of \$750,000 is included in FY12 to begin planning and design of needed improvements. Funding of \$1,250,000 is included in FY13 for the completion of the upgrades.

Estimated Project Costs:

Total projected cost for the renovation and/or systems upgrades is estimated to be \$2,000,000.

Facility Plan:

N/A

Operating Cost Detail:

Total operating costs are not expected to substantially increase as a result of this project. Systems upgrades should allow for improvements to reduce energy costs.

Location/Site Status:

Dale Magisterial District

Impact If Not Completed:

Current building systems are in jeopardy and the building may not continue to be viable as administrative space.

	Prior Years	FY2011	FY2012	FY2013	FY2014	FY2015	TOTAL FY11-15
Financing							
Reserve for CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GO Debt	0	0	750,000	1,250,000	0	0	2,000,000
Lease Purchase	0	0	0	0	0	0	0
Other Sources	0	0	0	0	0	0	0
Cash Proffers	0	0	0	0	0	0	0
TOTAL	\$0	\$0	\$750,000	\$1,250,000	\$0	\$0	\$2,000,000

FUTURE FACILITIES PLANNING, DESIGN, CONSTRUCTION AND LAND ACQUISITION

Project Description/Justification:

This project allows for specific site and facility planning, design, construction, and land acquisition for future school facilities made necessary by development growth in the county.

Cash proffer collections make up the majority of the funding source for these efforts. As revenues are accumulated over time, appropriations will be made for specific facility needs.

Location/Site Status:

Countywide.

Estimated Project Costs:

Site and facility planning, design, construction, and land acquisition over the six year planning period is projected to be \$6,116,600.

Operating Cost Detail:

No impact on the operating budget.

	Prior Years	FY2011	FY2012	FY2013	FY2014	FY2015	TOTAL FY11-15
Reserve for CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GO Debt	0	0	0	0	0	0	0
Lease Purchase	0	0	0	0	0	0	0
Other Sources	0	0	0	0	0	0	0
Cash Proffers	<u>0</u>	<u>829,400</u>	<u>949,600</u>	<u>1,431,500</u>	<u>1,445,800</u>	<u>1,460,300</u>	<u>6,116,600</u>
TOTAL	\$0	\$0	\$949,600	\$1,431,500	\$1,445,800	\$1,460,300	\$6,116,600

MAJOR MAINTENANCE/HVAC PROJECTS/ENERGY IMPROVEMENTS/SECURITY ENHANCEMENTS

Project Description/Justification:

The school division has 65 school buildings and 9 additional buildings totaling almost 8 million square feet under roof. Twenty-seven of the schools are more than 40 years old, with 22 schools 20 to 40 years old. As the facilities age, regular renovations and improvements become even more critical. This project was established in order to provide funding for major maintenance projects, including replacement of roofs, floor coverings, upgrades and replacements of mechanical systems, and grounds improvements. This will be an ongoing need for the school's facilities.

The Facilities Department has indicated the need for \$22,700,000 of upgrades to existing HVAC systems within the next three years in order to prevent major disruption to the operation of the buildings. In addition, there is a need to begin to make improvements to buildings to conserve energy. Changing lighting to a more energy efficient in all existing buildings has been identified as the first priority. Also, some security enhancements are needed to ensure our students and faculty are housed in the safest and most secure learning environment possible.

Location/Site Status:

School facilities throughout Chesterfield County.

Estimated Project Costs:

\$3.0 million in FY2011, \$3.5 million in FY2012, and \$4.0 million each year thereafter are projected for routine major maintenance activities. A total of \$22,700,000 is budgeted for HVAC critical needs. Energy improvements are budgeted at \$500,000 in the first year and \$250,000 each year thereafter, with security enhancements of \$250,000 annually.

Operating Cost Detail:

Replacement of HVAC systems and upgrades to lighting will reduce the system's energy costs over time.

Impact If Not Completed:

As building systems deteriorate, other systems are affected resulting in increased maintenance costs. Working conditions for Chesterfield County School employees are also negatively impacted.

	Prior Years	FY2011	FY2012	FY2013	FY2014	FY2015	TOTAL FY11-15
Reserve for CIP	\$0	\$1,524,200	\$1,677,100	\$6,434,000	\$4,500,000	\$4,500,000	\$18,635,300
GO Debt	0	8,925,800	12,322,900	3,566,000	0	0	24,814,700
Lease Purchase	0	0	0	0	0	0	0
Other Sources	0	0	0	0	0	0	0
Cash Proffers	0	0	0	0	0	0	0
TOTAL	\$0	\$10,450,000	\$14,000,000	\$10,000,000	\$4,500,000	\$4,500,000	\$43,450,000

TECHNOLOGY IMPROVEMENTS

Project Description/Justification:

Technology Plan:

The current capital improvement program provides funding for the implementation and maintenance of the division's Technology Master Plan. The plan incorporates the integration of technology into the classroom, professional development of teachers, the connectivity of infrastructure, hardware and software, and the evaluation of the technology system for effectiveness. The Master Plan is revised periodically and approved by the School Board. The projects approved for funding in this planning cycle will provide \$12,327,100 to address these needs over the five-year planning period.

Computer Replacement:

As technology becomes increasingly critical to the delivery of instruction, the efficiency of the infrastructure and equipment becomes very important. In an effort to address aging computer equipment throughout the school system, a plan is in place to provide for the systematic replacement of computers after an average useful life of four years. This CIP provides \$15,500,000 to accomplish this over the five-year CIP period.

Location/Site Status:

Multiple school facilities.

Estimated Project Costs:

The estimated cost of the three projects is \$29,678,600 over five years.

Impact If Not Completed:

The schools will risk falling behind in technological advances critical to operational processes and in the services it provides to students and citizens.

	Prior Years	FY2011	FY2012	FY2013	FY2014	FY2015	TOTAL FY11-15
Reserve for CIP	\$0	\$7,255,700	\$7,102,800	\$4,911,000	\$5,307,600	\$3,250,000	\$27,827,100
GO Debt	0	0	0	0	0	0	0
Lease Purchase	0	0	0	0	0	0	0
Other Sources	0	0	0	0	0	0	0
Cash Proffers	0	0	0	0	0	0	0
TOTAL	\$0	\$7,255,700	\$7,102,800	\$4,911,000	\$5,307,600	\$3,250,000	\$27,827,100

RESERVE FOR FUTURE SCHOOL PROJECTS

Project Description/Justification:

It is likely that funding for new schools will need to be included in the CIP in FY2016 and beyond. Given the cost of such facilities, it is important to set-aside capacity in order to finance the schools at the appropriate time. In addition, several older schools will be in need of renovation.

Estimated Project Costs:

A total of \$19,400,500 is included in FY15.

Location/Site Status:

N/A

Operating Cost Detail:

No impact on the operating budget.

	Prior Years	FY2011	FY2012	FY2013	FY2014	FY2015	TOTAL FY11-15
Reserve for CIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GO Debt	0	0	0	0	0	19,400,500	19,400,500
Lease Purchase	0	0	0	0	0	0	0
Other Sources	0	0	0	0	0	0	0
Cash Proffers	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL	\$0	\$0	\$0	\$0	\$0	\$19,400,500	\$19,400,500