

MEMORANDUM

March 19, 2010

TO: County Council

FROM:  Keith Levchenko, Senior Legislative Analyst  
Essie McGuire, Legislative Analyst 

SUBJECT: **Worksession: FY11-16 Montgomery County Public Schools (MCPS) Capital Improvements Program (CIP)**

**Education Committee Recommendations:**

1. Changes to the CIP request:
  - Add Richard Montgomery Cluster Solution Project to address AGP issues
  - Change the Technology Modernization project to reflect Federal e-rate funds in FY11-12
2. Potential reconsideration of the following projects if savings are necessary during May reconciliation: HVAC, Indoor Air Quality, Restroom Renovations, RROCS, Ridgeview MS Improvements
3. Potential one or two year deferrals in some addition projects, if savings are necessary during May reconciliation
4. No changes to modernization program

***NOTE: On March 16, the Council approved an FY10 special appropriation and amendment to the FY09-16 CIP for the Relocatable Classrooms project. This action accelerated the appropriation required to implement approved expenditures for FY11 and also increased the FY11 expenditures consistent with MCPS' FY11-16 CIP request.***

Patricia O'Neill, President of the Board of Education, Dr. Jerry Weast, Superintendent of Schools, and Joseph Lavorgna, Acting Director of the Department of Facilities Management are expected to attend the meeting along with other MCPS staff. Jacqueline Carter and Blaise DeFazio of the Office of Management and Budget are also expected to attend.

**Schedule**

The Board of Education's FY11-16 Proposed CIP was transmitted to the Council on December 1, 2009. The County Executive's Recommended CIP was transmitted on January 15, 2010.

The Council held public hearings on the FY11-16 CIP on February 16 and 17 and received testimony from the President of the Board of Education, the President of the Council of PTAs, cluster coordinators, and others. Speakers generally supported the Board of Education’s request, often noting specific projects of interest in their cluster.

The Education Committee met on March 2 and March 11.

### Memorandum Topics

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### **PART I: OVERVIEW OF THE BOARD OF EDUCATION REQUEST**

The FY11-16 MCPS CIP request (summary table attached on ©6) is a 15.7 percent increase over the amended FY09-14 CIP.<sup>1</sup> The major aspects of the Board’s request include:

- Capacity Projects:
  - In addition to the capacity projects already in the Approved FY09-14 CIP, two new school projects (Clarksburg Cluster ES and Clarksburg/Damascus MS) are requested.
  - 9 new addition projects to add approximately 1400 seats
- Modernizations: There is no change proposed for the modernization schedule.
- Countywide Projects:
  - Substantial increases in the cost and levels of effort of a number of systemic projects (such as HVAC, PLAR, building modifications, and others)
  - Outyear funding for two new bus depot projects (Clarksburg Depot Expansion and Shady Grove Depot Replacement)
  - Additional funding in the Rehab/Renovation of Closed Schools projects for the reopening of Broome Junior High School and the reuse of Woodward High School as holding facilities.

The December 1, 2009 transmittal memorandum from the Board of Education President is attached on ©1-5. The Board’s FY11-16 CIP request matches the Superintendent’s recommendations that were submitted in late October. One Board action which did not affect the CIP directly, but which

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<sup>1</sup>A number of CIP amendments were approved subsequent to the Council’s approval of the FY09-14 CIP in May of 2008.

has facility implications, is the Board's decision not to move forward with the closure process for Monocacy Elementary School.<sup>2</sup>

**PART II: FUNDING TRENDS AND COMPARISONS**

**Expenditures**

The following chart presents six-year and annual totals for the original approved FY09-14 MCPS CIP, the latest (i.e. amended) FY09-14 CIP, the FY11-16 Board request, and the FY11-16 CIP as recommended by the County Executive.

**Table 1:  
FY11-16 versus Amended FY09-14 Expenditures (in 000's)**

	Six-Year	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
<b>FY09-14 Approved</b>	<b>1,173,478</b>	<b>254,784</b>	<b>237,330</b>	<b>227,392</b>	<b>169,900</b>	<b>147,094</b>	<b>136,978</b>		
<b>FY09-14 Amended</b>	<b>1,291,479</b>	<b>238,187</b>	<b>192,277</b>	<b>217,433</b>	<b>217,255</b>	<b>192,298</b>	<b>234,029</b>		
change from approved	118,001	(16,597)	(45,053)	(9,959)	47,355	45,204	97,051		
<b>FY11-16 Board Request</b>	<b>1,493,818</b>			<b>253,822</b>	<b>268,057</b>	<b>251,075</b>	<b>277,282</b>	<b>221,032</b>	<b>222,550</b>
change from approved	320,340	27.3%		26,430	98,157	103,981	140,304		
change from amended	202,339	15.7%		36,389	50,802	58,777	43,253		
<b>FY11-16 CE Recommended</b>	<b>1,484,647</b>			<b>251,626</b>	<b>242,605</b>	<b>267,790</b>	<b>281,744</b>	<b>219,652</b>	<b>221,230</b>
change from approved	311,169	26.5%		24,234	72,705	120,696	144,766		
change from amended	193,168	15.0%		34,193	25,350	75,492	47,715		
change from Board Request	(9,171)	-0.6%		(2,196)	(25,452)	16,715	4,462	(1,380)	(1,320)

The Board's FY11-16 request for the Montgomery County Public Schools (MCPS) totals nearly \$1.5 billion. This level of funding is \$202 million (or 15.7 percent) more than the amended (latest) FY09-14 CIP of \$1.29 billion.

An excerpt of the County Executive's Recommended FY11-16 CIP discussion regarding MCPS is attached (©9-20).

The County Executive recommended reducing the Board request by approximately \$9.2 million over the six year period and \$2.2 million in FY11. The County Executive did not identify how to achieve the yearly changes assumed in his recommendation. Therefore, as the Council reviews each MCPS project, the only specific project numbers available for the Council's review are from the Board of Education's request.

**Funding Sources**

Expenditures by funding source are shown on the following table.

<sup>2</sup> Instead the Board approved further study of ways to increase enrollment at Monocacy ES. This change does not affect the numbers in the FY11-16 CIP but will have an impact on the FY11 Operating Budget.

**Table 2:  
Amended FY09-14 & FY11-16 Board Request & CE Recommendation by Funding Source**

	Six-Year	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
<b>Amended CIP</b>	<b>1,291,479</b>	<b>238,187</b>	<b>192,277</b>	<b>217,433</b>	<b>217,255</b>	<b>192,298</b>	<b>234,029</b>		
Bonds	753,560	147,442	126,837	134,488	133,135	87,323	124,335		
Current Revenue	292,176	37,279	35,290	41,145	43,793	64,975	69,694		
State Aid	241,661	53,311	28,350	40,000	40,000	40,000	40,000		
Contributions	155	155	-	-	-	-	-		
Federal Aid	3,927	-	1,800	1,800	327	-	-		
<b>Board Request</b>	<b>1,493,818</b>			<b>253,822</b>	<b>268,057</b>	<b>251,075</b>	<b>277,282</b>	<b>221,032</b>	<b>222,550</b>
Bonds	964,775			175,442	181,042	143,339	161,305	151,259	152,388
Current Revenue	296,916			46,580	46,688	67,736	75,977	29,773	30,162
State Aid	230,000			30,000	40,000	40,000	40,000	40,000	40,000
Contributions	-			-	-	-	-	-	-
Federal Aid	2,127			1,800	327	-	-	-	-
<b>CE Recommendation</b>	<b>1,484,647</b>			<b>251,626</b>	<b>242,605</b>	<b>267,790</b>	<b>281,744</b>	<b>219,652</b>	<b>221,230</b>
Bonds	957,748			187,818	171,979	175,743	183,011	119,359	119,838
Current Revenue	294,772			32,008	30,299	52,047	58,733	60,293	61,392
State Aid	230,000			30,000	40,000	40,000	40,000	40,000	40,000
Contributions	-			-	-	-	-	-	-
Federal Aid	2,127			1,800	327	-	-	-	-
	Six-Year	Six-Year % Change		FY11	FY12	FY13	FY14	FY15	FY16
<b>Board Request vs. Amended</b>	<b>202,339</b>	<b>15.7%</b>		<b>36,389</b>	<b>50,802</b>	<b>58,777</b>	<b>43,253</b>		
Bonds	211,215	28.0%		40,954	47,907	56,016	36,970		
Current Revenue	4,740	1.6%		5,435	2,895	2,761	6,283		
State Aid	(11,661)	-4.8%		(10,000)	-	-	-		
Contributions	(155)	-100.0%		-	-	-	-		
Federal Aid	(1,800)	-45.8%		-	-	-	-		
<b>CE vs. Amended</b>	<b>193,168</b>	<b>15.0%</b>		<b>34,193</b>	<b>25,350</b>	<b>75,492</b>	<b>47,715</b>		
Bonds	204,188	27.1%		53,330	38,844	88,420	58,676		
Current Revenue	2,596	0.9%		(9,137)	(13,494)	(12,928)	(10,961)		
State Aid	(11,661)	-4.8%		(10,000)	-	-	-		
Contributions	(155)	-100.0%		-	-	-	-		
Federal Aid	(1,800)	-45.8%		-	-	-	-		
<b>CE vs. Board Request</b>	<b>(9,171)</b>	<b>-0.6%</b>		<b>(2,196)</b>	<b>(25,452)</b>	<b>16,715</b>	<b>4,462</b>	<b>(1,380)</b>	<b>(1,320)</b>
Bonds	(7,027)	-0.7%		12,376	(9,063)	32,404	21,706	(31,900)	(32,550)
Current Revenue	(2,144)	-0.7%		(14,572)	(16,389)	(15,689)	(17,244)	30,520	31,230
State Aid	-	0.0%		-	-	-	-	-	-
Contributions	-	#DIV/0!		-	-	-	-	-	-
Federal Aid	-	0.0%		-	-	-	-	-	-

This chart shows that six-year bond funding would increase substantially under the Board of Education request. Although the Board's request does not break out funding sources, the approved assumptions have been included in order to more clearly show the local funding requirements of the CIP.

The Executive is recommending nearly all of the MCPS CIP (99.3% over the six-year period) but assumes to increase bonds and decrease current revenue over that period (necessitated by reductions in assumed Schools Impact Tax revenue) and to shift expenditures between fiscal years. The Council will need to take into account these shifts as it works to balance the CIP for each fiscal year.

The following chart breaks down the current revenue category. The Executive has extended the recordation and impact tax assumptions through FY16 consistent with his latest revenue assumptions (which reflect far lower levels than previously assumed).

**Table #3:  
Current Revenue by Category**

	Six-Year	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
<b>FY09-14 Amended</b>	<b>292,176</b>	<b>37,279</b>	<b>35,290</b>	<b>41,145</b>	<b>43,793</b>	<b>64,975</b>	<b>69,694</b>		
General	87,563	19,779	10,190	7,777	4,781	22,601	22,435		
Recordation Tax	94,620	9,500	14,100	13,032	17,038	19,050	21,900		
School Impact Tax	109,993	8,000	11,000	20,336	21,974	23,324	25,359		
Contributions	-								
<b>FY11-16 Board Requested</b>	<b>296,916</b>			<b>46,580</b>	<b>46,688</b>	<b>67,736</b>	<b>75,977</b>	<b>29,773</b>	<b>30,162</b>
Current Revenue - General	134,903			13,212	7,676	25,362	28,718	29,773	30,162
CR Recordation Tax	71,020			13,032	17,038	19,050	21,900		
School Impact Tax	90,993			20,336	21,974	23,324	25,359		
<b>FY11-16 CE Recommended</b>	<b>294,772</b>			<b>32,008</b>	<b>30,299</b>	<b>52,047</b>	<b>58,733</b>	<b>60,293</b>	<b>61,392</b>
Current Revenue - General	124,452			11,016	4,781	24,107	27,313	28,393	28,842
CR Recordation Tax	114,820			13,032	17,038	19,050	21,900	21,900	21,900
School Impact Tax	55,500			7,960	8,480	8,890	9,520	10,000	10,650
<b>CE Changes to Board Request</b>	<b>(2,144)</b>			<b>(14,572)</b>	<b>(16,389)</b>	<b>(15,689)</b>	<b>(17,244)</b>	<b>30,520</b>	<b>31,230</b>
Current Revenue - General	(10,451)			(2,196)	(2,895)	(1,255)	(1,405)	(1,380)	(1,320)
CR Recordation Tax	43,800			-	-	-	-	21,900	21,900
School Impact Tax	(35,493)			(12,376)	(13,494)	(14,434)	(15,839)	10,000	10,650

### Spending Affordability Guidelines

On February 2, 2010, the Council revised its spending affordability assumptions for bonds in line with the County Executive's assumptions in the Recommended FY11-16 CIP.

**Table #4  
General Obligation Bonds Spending Affordability Assumptions (in \$millions)**

	FY11-16	FY11	FY12	FY13	FY14	FY15	FY16
<b>Approved Spending Affordability</b>							
Total Funds Available	2,358.095	388.879	419.405	407.009	394.196	381.031	367.575
Total Funds Programmed	2,169.204	378.641	406.889	396.842	358.446	327.333	301.053
Set-Aside (not yet programmed)	188.891	10.238	12.516	10.167	35.750	53.698	66.522
<b>Assumptions</b>							
Council Approved Bond Limits	1,950.00	325.00	325.00	325.00	325.00	325.00	325.00
implementation rate =		84.0%	84.0%	84.0%	84.0%	84.0%	84.0%
inflation =		2.50%	2.70%	3.00%	3.20%	3.40%	3.60%
PAYGO =		1.97	32.50	32.50	32.50	32.50	32.50
<b>MCPS Bond-Funded Request</b>	<b>964.78</b>	<b>175.44</b>	<b>181.04</b>	<b>143.34</b>	<b>161.31</b>	<b>151.26</b>	<b>152.39</b>
percent of total programmed	44.5%	46.3%	44.5%	36.1%	45.0%	46.2%	50.6%

As shown above, if fully funded, the MCPS bond-funded request would take up about 45% of all bond capacity in the CIP. This compares to about 40% for the Approved FY09-14 CIP approved two years ago. Six-year bond funded programming overall is recommended to increase by about \$400 million from two years ago (about a 22 percent increase), with about \$252 million of that increase (63%) recommended for MCPS. Therefore, MCPS share of G.O. Bond funding is becoming a larger and larger share of the overall pie.

### PART III: MACRO ISSUES

#### Enrollment

Enrollment changes are one of the biggest drivers of both the Operating Budget and CIP for MCPS. On the CIP side, enrollment increases projected for schools drive the need for additional classrooms and core space improvements.

The Education Committee received an update on enrollment and demographics on January 14. Some of the major points from that presentation are noted below.

- Official enrollment for the 2009-10 school year is 141,777 students. This is 1,501 students more than 2008-09 and 1,277 more than was projected for 2009-10 at this time last year.
- Elementary enrollment is expected to climb sharply during the six-year period and then plateau. Middle school enrollment is climbing and is expected to continue to climb beyond the six-year period as the bump in elementary school enrollment ages out. High school enrollment is declining slightly but is expected to pick up again beyond the six-year period.
- Birth rates have remained at historically high levels over the past 8 years (13,681 in 2008) and are a major reason for the continued increases in elementary school enrollment.
- Overall enrollment is expected to climb past 148,000 (a gain of nearly 6,300 more students) through FY16.

These enrollment trends are putting increased pressure on different school areas in terms of school space needs over the next six years.

Also, MCPS is still working to address the capacity needs of programmatic initiatives (such as class size reduction and the expansion of Full-Day Kindergarten countywide). Many schools accommodated these programs initially with relocatable classrooms. As MCPS plans additions and modernizations, these programmatic needs are assumed to be addressed through permanent classroom space.

### **Annual Growth Policy**

The schools test within the Annual Growth Policy test looks at projected enrollment and capacity in the 6<sup>th</sup> fiscal year of the CIP period (September 2015 for the FY11-16 CIP) in 25 high school clusters at each school level (elementary, middle, and high school). For purposes of the test, the Northeast Consortium schools and the Downcounty Consortium schools are divided into the home high school areas.

There are three categories a cluster falls into within the school test:

- **Cluster utilization is at 105 percent or below at each of the three school levels:** The cluster passes the test.
- **Cluster utilization is between 105 percent and 120% at one or more school levels:** The Planning Board may approve a residential subdivision if the developer commits to pay a school facilities payment.
- **Cluster utilization is above 120% at one or more school levels:** The Planning Board must not approve a residential subdivision in that cluster during the upcoming fiscal year.

Currently, the Clarksburg cluster is under moratorium because of projected overutilization beyond 120% at the middle school level in September 2014. Three other clusters (B-CC, Northwest,

and Seneca Valley) would also have fallen into moratorium but the Council approved “solution” projects on December 1, 2009. These projects provided placeholder dollars for classroom space in the outyears of the CIP that added sufficient capacity to keep these clusters out of moratorium pending review and approval of the FY11-16 CIP this spring.

With regard to the FY11-16 CIP period which begins July 1, 2010, the following chart shows which clusters would fail one or both tests based on the Board of Education’s Proposed CIP.

**Summary of School Test for FY 2011 - Preliminary**

Based on Board of Education Requested FY 2011-2016 CIP  
Would Be Effective July 1, 2010

School Test Level	Description	Cluster Outcomes by Level		
		Elementary Inadequate	Middle Inadequate	High Inadequate
<b>Clusters over 105% utilization</b> School facility payment required in inadequate clusters to proceed.	5-year test Effective July 1, 2010  Test year 2015-16	B-CC (108.6%) Northwest (119.1%) Northwood (118.8%) Paint Branch (105.5%) Quince Orchard (111.7%) Rockville (114.2%)	B-CC (114.9%) Richard Montgomery (117.0%)* Northwest (105.6%) Whitman (107.8%)	Wootton (107.8%)
<b>Clusters over 120% utilization</b> Moratorium required in clusters that are inadequate.	5-year test Effective July 1, 2010  Test year 2015-16	Richard Montgomery (126.5%)		

\* Richard Montgomery cluster middle school utilization is at 117%. This would ordinarily require a school facility payment. However, since the cluster is in moratorium at the elementary school level, no development approvals will be possible.

The Richard Montgomery Cluster is the only cluster assumed to go into moratorium (because of elementary school overutilization above 120%). A number of other clusters fall within the school facility payment category. Capacity issues in individual clusters are discussed in more detail later when looking at specific addition projects.

With regard to the Richard Montgomery cluster, there are several potential addition projects that could come on-line by September 2015. An addition for Ritchie Park ES is currently in facility planning. Two other elementary schools (Beall ES and Twinbrook ES) are recommended for facility planning in FY11. Assuming typical addition schedules, the Ritchie Park ES addition could open as soon as August 2014. The Beall and Twinbrook ES additions could be completed by August 2015.

Assuming current enrollment projections, an additional 120 seats (equivalent to about 5 classrooms) would bring the cluster below the 120% threshold. An additional 215 seats would bring the cluster below the 105% threshold.

Given that additional capacity is likely to come on line in time to address the Richard Montgomery Cluster schools test issue but that no specific elementary school capacity project in this cluster is ready for inclusion in the CIP at this time, **the Education Committee recommends that a cluster solution project for the cluster be approved by the Council for the FY11-16 CIP. A draft PDF is attached on @63 that includes placeholder dollars for an 8 classroom addition that would put the cluster within the 105 to 120 percent AGP test range.**

**State Aid Assumptions**

The following table presents the County Executive’s recommended State aid assumptions compared to the current approved assumptions.

Table 5: State Aid Assumptions (in 000s)

	Six-Year	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
FY09-14 Amended	241,661	53,311	28,350	40,000	40,000	40,000	40,000	40,000	40,000
CE Recommended	230,000			30,000	40,000	40,000	40,000	40,000	40,000
change	(11,661)			(10,000)	-	-	-		

State aid assumed for FY11 is \$30 million (\$10.0 million less than assumed for FY11) in the Approved CIP. FY12 through FY16 remain unchanged at \$40 million per year.

**State Aid History:** Each year, the County submits a State aid request to the Interagency Committee for State Public School Construction (IAC). This request is for State aid for individual school projects, modernizations, roof, and HVAC replacement, educational technology, relocatable classrooms, and other projects. The following chart presents requested and approved State aid amounts over the past 15 years:

Table 6: State Aid\* History (in millions)

Fiscal Year	Requests		Approved		MC % of Total
	MC	State-Wide	MC	State-Wide	
FY06	\$126.3	592.7	\$30.4	251.1	12.1%
FY07	\$125.2	730.4	\$40.1	320.5	12.5%
FY08	\$134.0	893.8	\$52.3	401.3	13.0%
FY09	\$132.7	871.4	46.3	333.4	13.9%
FY10	\$113.8	765.9	28.4	266.7	10.7%
FY11	\$139.1	710.9	N/A	250.0	

\*does not include QZAB awards

As shown in the chart, approved aid is far below requested levels. Also, over the past several years, Montgomery County’s school construction funding has declined both in actual dollars and as a percentage of the total state-wide allocation.

**FY11 Assumptions:** On November 20, the Council approved a resolution supporting MCPS’ request for \$139.1 million in State aid for school construction (see ©7 for State aid requested by project). This amount is far greater than in past years, reflecting the fact that many previously deferred projects are now in construction or moving into construction.

The Governor’s FY11 Capital Budget assumes \$250 million statewide for school construction.

In December, the IAC made recommendations to the Board of Public Works for allocating \$187.5 million of the \$250 million assumed for State aid for school construction. For Montgomery County, the IAC recommended \$20.060 million.

**In late February, the IAC allocated additional dollars and Montgomery County’s portion increased to \$25.9 million.** To meet the County Executive’s budget assumption of \$30 million, the County will need to increase the current IAC recommended allocation by another \$4.1 million. However, with requests across the entire state totaling \$710.9 million, the competition for any additional dollars is heavy.

The final State-wide allocation for school construction dollars will be known once the State legislative session concludes. Final allocations by county will be approved by the Board of Public Works on May 5, 2010.

**Given recent history, Council Staff believes the County Executive’s \$30 million budget assumption for FY11 is reasonable (and certainly more reasonable than the \$40 million previously assumed).**

**School Construction Costs**

A major driver of large increases in the MCPS CIP in past years has been school construction costs. However, because of the weak economy over the past couple of years, MCPS has experienced a significant decline in construction costs in certain projects and as a result has adjusted some project costs accordingly in the FY11-16 CIP. The following chart presents the individual schools which are showing significant total project cost reductions.

**Table 7: Proposed Cost Reductions in Individual School Projects**

Project	Total Project Cost (in 000s)			
	Current	Proposed	Change	% Change
<b>Individual Schools</b>				
East Silver Spring ES Addition	12,298	11,798	(500)	-4.1%
Fox Chapel ES Addition	12,331	7,205	(5,126)	-41.6%
Harmony Hills ES Addition	9,849	7,749	(2,100)	-21.3%
Jackson Road ES Addition	11,036	9,191	(1,845)	-16.7%
Montgomery Knolls ES Addition	11,511	11,253	(258)	-2.2%
Rock View ES Addition	8,105	7,370	(735)	-9.1%
Sherwood ES Addition	7,447	4,947	(2,500)	-33.6%
Takoma Park ES Addition	15,592	11,592	(4,000)	-25.7%
Whetstone ES Addition	8,926	7,633	(1,293)	-14.5%
<b>Total</b>	<b>97,095</b>	<b>78,738</b>	<b>(18,357)</b>	<b>-18.9%</b>

NOTE: No changes in scope or timing are assumed from these reductions

A number of modernizations are also assumed to have total project cost reductions. Some of the larger reductions are presented in the following table:

**Table 8: Proposed Cost Reductions in Selected Modernization Projects**

Project	Total Project Cost (in 000s)			
	Current	Proposed	Change	% Change
<b>Current Mods*</b>				
Cabin John MS	44,072	38,572	(5,500)	-12.5%
Paint Branch HS	111,495	96,495	(15,000)	-13.5%
Garrett Park ES	28,266	25,016	(3,250)	-11.5%
Herbert Hoover MS	52,568	47,930	(4,638)	-8.8%
Candlewood ES	25,910	20,034	(5,876)	-22.7%
Rock Creek Forest ES	28,877	24,465	(4,412)	-15.3%
William Farquhar MS	53,066	47,798	(5,268)	-9.9%
Wheaton HS	108,351	91,187	(17,164)	-15.8%

NOTE: No changes in scope or timing are assumed from these reductions

MCPS is still experiencing cost pressures in its systemic projects stemming from continued increases in equipment and material costs, code updates and new regulations, and a need to increase the pace of work because of aging infrastructure. Specific systemic projects are discussed later in this memorandum.

### **Prioritization of Projects**

The Council's CIP process involves separate Committee and Council review of all of the Agency CIPs in February and March followed by a final reconciliation process in early May that must balance all of the Council's expenditure recommendations by fiscal year with spending affordability assumptions (for G.O. bonds for instance) and with Operating Budget assumptions (current revenue funding and PAYGO).

**In order to avoid surprises later and to ensure that the Committee and MCPS priorities are considered, Council Staff will present some ideas for Committee consideration as to which projects may be subject to deferral or reduction if expenditure changes are required at reconciliation.**

During the Committee review of MCPS' capital projects two years ago, Council Staff suggested a way to categorize projects to assist in the prioritization of projects:

1. Identify critical health and safety projects (or portions within projects).
  2. Review capacity-related projects not yet under construction and consider the projected short and long-term utilization rates at the school, in the cluster, and at neighboring schools to see which capacity projects are more urgent than others. Another factor to take into account when considering addition projects is whether relocatable classrooms are a feasible short-term solution or not (see ©8 for list of relocatable classrooms in place during the FY09-10 schoolyear).
  3. Capital Maintenance projects: Some level of minimum funding in these projects would fall within critical health and safety. However, MCPS is seeking substantial increases in many systemic projects for the FY11-16 CIP. While some ramp up is necessary to keep up with aging infrastructure, a portion of the increases in some of these projects may warrant consideration for deferral depending on fiscal needs.
  4. Modernizations: already prioritized. However, as noted earlier, a modernization may also include additional capacity.
  5. Gymnasium project: This project is winding down (with spending concluding in FY12. However, new gymnasiums not linked to other construction work at a school (such as an addition or modernization) may be candidates for deferral.
- Other: This category would include anything not already covered.

### **PART IV: REVIEW OF PROJECTS**

***NOTE: As in past years, with the exception of projects already under construction, projects that are initially reviewed and recommended for approval as proposed may be subject to reconciliation in May. This reconciliation may involve technical adjustments (not affecting scope or timing), or may involve substantive changes to projects (i.e. scope and/or timing).***

## Countywide Projects – General Issues

MCPS staff reports that the decreased construction costs currently affecting capacity building projects are not being realized in the countywide systemic projects. The Board has requested increases in many of the countywide projects due to inflationary cost increases, increased scope of work, and in some cases increased level of effort. PDFs for Countywide projects are attached on ©21-37.

The Committee discussed the backlog of systemic projects in MCPS and the need to move as quickly as possible to maintain and improve critical system elements. **However, in the current fiscal environment, the Committee recommended that some of these projects may be reasonable areas for reductions, if savings are necessary later in the budget process to reconcile agency budgets within affordability guidelines.**

**CIP positions:** The requested CIP reflects a net increase of 4 new positions, identified in the project reviews below. The CIP includes funding for a total of 94 workyears across 7 projects. The Board’s request also provides salary step and COLA increases for the positions. These salary increases may need to be adjusted at reconciliation once compensation issues have been finalized for all County agencies.

## Countywide Projects with Inflationary Cost Increases

The Board’s recommendation reflects a 10% increase for the following projects. MCPS states that this is due to inflationary cost increases in materials and equipment, as well as some changes to codes and regulations (see ©39).

### Education Committee Recommendation: Approve as requested the following four projects:

Asbestos Abatement: MCPS	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	6,870			1,145	1,145	1,145	1,145	1,145	1,145
- FY09-14 Approved	6,246	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041
change from approved	624			104	104	104	104	104	104
percent change from approved	10%								
Energy Conservation: MCPS	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	12,342			2,057	2,057	2,057	2,057	2,057	2,057
- FY09-14 Approved	11,220	1,870	1,870	1,870	1,870	1,870	1,870	1,870	1,870
change from approved	1,122			187	187	187	187	187	187
percent change from approved	10%								
Fire Safety Code Upgrades	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	4,902			817	817	817	817	817	817
- FY09-14 Approved	4,458	743	743	743	743	743	743	743	743
change from approved	444			74	74	74	74	74	74
percent change from approved	10%								
Roof Replacement: MCPS	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	38,808			6,468	6,468	6,468	6,468	6,468	6,468
- FY09-14 Approved	35,280	5,880	5,880	5,880	5,880	5,880	5,880	5,880	5,880
change from approved	3,528			588	588	588	588	588	588
percent change from approved	10%								

## Design and Construction Management

Design and Construction Management	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	29,400			4,900	4,900	4,900	4,900	4,900	4,900
- FY09-14 Approved	27,000	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500
change from approved	2,400			400	400	400	400	400	400
percent change from approved	9%								

**Education Committee Recommendation: Approve as requested.**

This project funds 41 positions essential for implementation of the multiyear CIP. Personnel provide project administration, in-house design, and engineering services in the Department of Facilities Management and the Division of Construction. The Board’s request shifts three conditional, non-permanent positions approved in FY10 from the HVAC project to this project, resulting in a total of 44 workyears.

**Planned Asset Lifecycle Replacement (PLAR)**

Planned Lifecycle Asset Repl.: MCPS	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	36,978			6,163	6,163	6,163	6,163	6,163	6,163
- FY09-14 Approved	27,407	4,897	5,442	4,267	4,267	4,267	4,267		
change from approved	9,571			1,896	1,896	1,896	1,896		
percent change from approved	35%								

**Education Committee Recommendation: Approve as requested.**

MCPS reports that the Board’s requested increase is primarily due to the inflationary factors described above, as well as some additional regulatory mandates (©39). MCPS states that the same number of projects will be completed as in the previous CIP level of funding. In the summer of 2009, MCPS completed 283 PLAR projects. In addition, the Board’s request adds a position to manage the playground renovation project and to centralize asphalt and concrete project development and management duties. The position is a Contract Assistant II.

**Countywide Projects With Reduced Recommended Funding**

**School Gymnasiums**

School Gymnasiums	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	11,325			6,825	4,500	-	-	-	-
- FY09-14 Approved	27,573	9,053	2,820	7,325	7,550	825	-		
change from approved	(16,248)			(500)	(3,050)	(825)	-		
percent change from approved	-59%								

**Education Committee Recommendation: Approve as requested.**

The Board’s recommendation would complete funding for this project which provides for the construction of gymnasiums at the remaining elementary schools without gymnasiums. The request is a reduction because the project is nearing completion in FY12, as previously anticipated. Seven gyms remain; the PDF states that four will be constructed with the FY11 appropriation and three in FY12.

**School Security Systems**

School Security Systems	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	7,000			1,500	1,500	1,500	1,500	500	500
- FY09-14 Approved	9,000	1,500	1,500	1,500	1,500	1,500	1,500		
change from approved	(2,000)			-	-	-	-		
percent change from approved	-22%								

**Education Committee Recommendation: Approve as requested.**

This project provides for the systemic upgrading of security systems at school facilities. For FY09-14, the Council approved an increase in the funding level for an initiative to: design and install closed circuit TV cameras in all middle schools; complete the replacement of outdated analog camera

systems at all high schools; install a visitor management system at all schools; and install a visitor access system at elementary schools.

The Board's request continues this funding through FY14, as originally anticipated. The request for FY15 and FY16 returns to the previously approved level of effort, resulting in the overall reduction in funds for this project.

### Improved Safe Access to Schools

Improved (Safe) Access to Schools	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	2,400			1,200	1,200	-	-	-	-
- FY09-14 Approved	7,200	1,200	1,200	1,200	1,200	1,200	1,200		
change from approved	(4,800)			-	-	(1,200)	(1,200)		
percent change from approved	-67%								

### Education Committee Recommendation: Approve as requested.

This project funds improvements to both pedestrian and vehicular access to schools. Projects are developed through coordination with the School Transportation Efficiency Planning (STEP) Committee. This committee includes representatives from MCPS, DOT, M-NCPPC, Fire and Rescue, Police, OMB, and others.

This project has previously been included as a level of effort project, with funds shown in each year. The Board's current request includes funds only for FY11 and FY12, and removes funding from the rest of the CIP, resulting in the overall reduction for the project. MCPS states (see ©42) that this is because safe access projects are identified on an annual basis. **The Committee discussed the importance of these projects. MCPS agreed, and indicated that the need for separate projects is decreasing as pedestrian safety is increasingly incorporated into new construction. MCPS also stated that it will bring projects forward as identified during each two-year CIP cycle.**

### Countywide Projects with Increased Level of Scope or Effort

#### HVAC Replacement: MCPS

HVAC Replacement: MCPS	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	95,000			15,000	20,000	15,000	15,000	15,000	15,000
- FY09-14 Approved	38,775	6,375	10,000	5,600	5,600	5,600	5,600		
change from approved	56,225			9,400	14,400	9,400	9,400		
percent change from approved	145%								

**Education Committee Recommendation: The Committee acknowledges the backlog of projects in this critical systems area, and supports the request to increase the level of effort in this project. However, this is an area which could be reduced if savings are necessary during budget reconciliation.** Given the significant increase requested, the Council could approve a smaller increase to achieve savings, and still increase the level of effort in the project from the current approved CIP.

This project provides for the systematic replacement of heating, ventilating, air conditioning, automated temperature controls, and plumbing systems for MCPS. The Council approved an FY10 capital budget appropriation and CIP amendment to increase this project by \$4.4 million, bringing the FY10 total to \$10 million. The Board's request increases the level of effort further, to \$15 million

across the six-year period with \$20 million requested in FY12. The PDF on ©27 lists the schools identified for HVAC replacement in FY11.

MCPS has previously noted the extensive backlog of HVAC projects, and the priority that the school system places on these replacements. On ©40 MCPS also explains that while large HVAC projects are experiencing lower bid costs, smaller projects are not. MCPS also states that there are more small than large projects in this CIP project, which means that significant project savings have not been realized.

The Board’s request would accomplish a total of 71 projects over the six-year period. MCPS states that if this project were funded at the approved level, it would represent a 60 percent decrease in the level of effort from the request.

**Indoor Air Quality**

(Water and) Indoor Air Quality	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	12,528			2,088	2,088	2,088	2,088	2,088	2,088
- FY09-14 Approved	7,800	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
change from approved	4,728			788	788	788	788		
percent change from approved	61%								

**Education Committee Recommendation: The Committee acknowledges the backlog of projects in this critical systems area, and supports the request to increase the level of effort in this project. However, this is an area which could be reduced if savings are necessary during budget reconciliation.** Given the significant increase requested, the Council could approve a smaller increase to achieve savings, and still increase the level of effort in the project from the current approved CIP.

This project funds mechanical retrofits and other modifications necessary to address schools experiencing Indoor Air Quality (IAQ) problems. The Board’s request increases the level of funding for this effort by 61 percent, or \$788,000 in each fiscal year.

MCPS states that the system has experienced significant increases in requests for IAQ services in recent years, and that the project is now reacting to a backlog of projects. The requested increase is to address a larger number of projects. For FY11, MCPS anticipates the following level of work:

Project Scope	Average # of Schools	Cost
Ceiling Tile Replacement	11	1,455,000
Floor covering replacement	20	497,000
Pipe insulation replacement	1	48,000
<b>Total</b>		<b>2,000,000</b>

**Restroom Renovations**

Restroom Renovations	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	6,000			1,000	1,000	1,000	1,000	1,000	1,000
- FY09-14 Approved	1,964	1,040	924	-	-	-	-	-	-
change from approved	4,036			1,000	1,000	1,000	1,000		
percent change from approved	205%								

**Education Committee Recommendation: The Committee recommends approval as requested by the Board of Education.** However, the Committee also recognized that this is a project that could be adjusted if necessary for reconciliation by reducing number of facilities accomplished in each year, which would extend the requested renovation schedule.

This project was initiated in FY05 to provide needed modifications to specific areas of restroom facilities. The first phase of restroom renovations evaluated all schools that were built or renovated before 1985; this phase was completed in FY10 and addressed a total of 47 schools (list of completed renovations on ©47).

In FY10 MCPS conducted a second assessment for restroom renovations (detail on ©42). This assessment evaluated 110 schools, including holding facilities, all built or modernized between 1985 and 1999. The Board’s request includes 71 schools (list of proposed renovations on ©46).

**Stormwater Discharge and Water Quality Management**

Stormwater Discharge (and Water Quality) Management									
	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	3,772			704	604	616	616	616	616
- FY09-14 Approved	1,500	500	1,000	-	-	-	-		
change from approved	2,272			704	604	616	616		
percent change from approved	151%								

**Education Committee Recommendation: Approve as requested.**

The Stormwater Discharge Management project has previously included funds to bring stormwater management facilities on school sites up to current standards. Once that work is complete, future maintenance is transferred to the County Department of Environmental Protection. In FY10, the Board requested funding and a CIP project for compliance activities related to various water quality permits and regulations. The Council approved \$410,000 for these efforts, which included some facility repair work, coordination with DEP for a site inventory, and MCPS staff training.

The Board’s FY11-16 request merges these two projects and recommends a level of funding for both across the six year period. MCPS has provided a detailed breakdown of the requested funding components on ©42-43 as well as an update on the permit activities initiated last year. Highlights include:

- Transfer of the stormwater facilities from MCPS to DEP is approximately 85 percent complete. A total of \$600,000 is requested in FY11-12 to complete these efforts.
- Facility upgrades for permit compliance are in progress.
- Stormwater pollution plans are in progress.
- The PDF requests one new position, an Environmental Specialist to manage the development, coordination, and implementation of the pollution prevention plans.

**ADA Compliance**

ADA Compliance: MCPS									
	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	8,000			2,000	1,200	1,200	1,200	1,200	1,200
- FY09-14 Approved	6,408	1,068	1,068	1,068	1,068	1,068	1,068		
change from approved	1,592			932	132	132	132		
percent change from approved	25%								

**Education Committee Recommendation: Approve as requested.**

This project provides program accessibility for all MCPS activities and facilities when modifications or improvements are needed to existing buildings. MCPS states that the increase in FY11 is due to an elevator at Damascus Elementary School, and the increased level of effort throughout reflects increased costs and efforts to remediate polling places and high schools identified as emergency shelters (©40).

**Building Modifications and Program Improvements**

Building Mod & Program Impr.	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	15,000			5,000	2,000	2,000	2,000	2,000	2,000
- FY09-14 Approved	13,000	4,000	4,000	5,000	-	-	-	-	-
change from approved	2,000			-	2,000	2,000	2,000		
percent change from approved	15%								

**The Education Committee requested additional information on this project and will bring it back for Committee consideration during operating budget discussions.**

This project was first added to the CIP in FY07, and provides for improvements to schools that are not scheduled for capital improvements in the six-year period. The limited modifications are related to instructional and support spaces for new or expanded programs or administrative space.

For the two previous CIP cycles in which this project has been active, the Board of Education has requested funds only for the imminent fiscal years and identified schools to receive projects. The Board’s FY11-16 request would shift this project to a level of effort project with funding across the six years. The PDF states that “facility modifications in FY2012 and beyond will be determined based on the need for space modifications/ upgrades to support new or modified program offerings”. MCPS reports (see ©41-42) that this change was made to reflect the “backlog of potential projects that could be addressed.”

**Council staff does not support the request for this project to become a systemic level of effort project.** In Council staff’s view, the work in this project is more discretionary than in other systemic projects that affect health, safety, and infrastructure. While there are no doubt many program improvements that would be desirable, they are more suited to yearly consideration within fiscal constraints than an expectation of continued funding.

In the FY09-14 CIP, the Board requested and the Council approved funds for three years, through FY11. The PDF (see ©23) lists the 15 schools included in the approved amount for these three years.

Council staff recommends programming the FY11 expenditures totaling \$5 million only. These have previously been identified and approved. No appropriation is requested for FY11 as the unencumbered appropriation already in the project is sufficient to cover these expenditures (and more). The Council can continue to review these projects on a year to year or multi-year basis as requested.

**Technology Modernization**

Technology Modernization	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	139,785			19,889	19,501	21,847	25,313	26,393	26,842
- FY09-14 Approved	118,706	19,643	18,897	19,889	19,501	20,341	20,435		
change from approved	21,079			-	-	1,506	4,878		
percent change from approved	18%								

**Education Committee Recommendation: Approve Board's request for desktop modernization, with the caveat that this issue may be revisited in the context of the operating budget and Council action on desktop replacement in other agencies. Program \$1.7 million in FY11 and FY12 to reflect anticipated Federal e-rate reimbursement. Increase the FY11 appropriation by this amount.**

This project supports nearly all technology equipment purchases for the school system, and includes 20.5 workyears. The project is funded primarily with Current Revenue, divided between General and Recordation Tax Current Revenue, with programmed Federal Aid reflecting Federal reimbursement under the e-rate program. The Board's requested \$21 million (18 percent) increase in the six-year period reflects costs associated with the desktop replacement cycle.

***Issue #1: Desktop Replacement***

MCPS finances its computer purchases over four years with maintenance agreements built into the agreements, and cascades replaced computers to other areas in MCPS. MCPS has previously replaced its computers on a four-year cycle.

For the FY10 capital budget and the Amended FY09-14 CIP, the Council approved a reduction in FY10 appropriation and FY11-12 programmed expenditures associated with a temporary extension of the replacement cycle to five years. The Board's request maintains this extended cycle in the FY11 and FY12 request, which are identical to the approved levels. For FY11, the school system expects that the funds will support replacements at a total of 46 schools: three high schools, 14 middle schools, and 29 elementary schools.

In making this reduction, the Council stated its intent to consider how to resume the four year cycle in the CIP. The Board's requested increase in fiscal years 13-16 would return the replacement cycle to four years by the end of the six-year period. The chart on ©50 shows the schedule of finance payments and indicates that the increase in FY13 will re-initiate the reduced cycle, with additional finance payments in FY14-16 to complete the expenditure. Presumably, the FY17 requested funding would return to the slightly lower level of effort required when the "catch up" phase is complete.

The approved level of funding in FY13 reflects four year funds previous to last year's reduction; if the increase is not approved MCPS would not be able to begin the "catch up" phase of its replacement cycle. **Given that the Board's request is consistent with the initial reduction through FY12, the Education Committee supports the requested outyear increase with the caveat that the Council could maintain the extended five year cycle in the future if revenue constraints continue beyond FY12.**

At this time, complete budget information is not available on the replacement cycles of other agencies for FY11. Last year's reduction was taken consistent with Council action for other agencies' modernization schedules. The Committee may need to reconsider FY11 funding for this project if the Council chooses to review desktop replacement cycles as a cross-cutting agency expenditure issue.

***New position:*** The Board's request includes one new, permanent, full-time position funded in this project. MCPS states that the position is necessary to complete computer repair and parts replacement in the last years of equipment service prior to replacement. MCPS also states that given

the cost of additional years of warranty in both the current five year and proposed four year replacement cycle, it is less expensive to conduct the work internally than to purchase the extended warranty (©51).

**Issue #2: Interactive Technology Initiative**

In the amended FY09-14 CIP, the Council programmed expenditures and resources associated with the school system’s interactive technology initiative, which installed Promethean Boards and associated components in approximately two-thirds of all secondary classrooms. The Council programmed e-rate funds available from an unexpended balance across FY10-12, and specified that future e-rate funds to be spent for this initiative would be programmed and appropriated in this project as well.

The Board’s request reflects these funding assumptions, but does not add new Federal dollars for FY11. Council staff understands from MCPS that e-rate funds received in FY10 to date total \$1.49 million, and that these funds combined with the \$1.8 million balance funds programmed for FY10 covered the FY10 payment for the initiative.

For FY11, MCPS projects a slight increase in e-rate funding due to the growing percentage of students eligible for Free and Reduced Meals (FARMS) in the system. For FY11, new e-rate funds of \$1.7 million combined with the unspent balance programmed in FY11 would be sufficient to meet the FY11 payment. **The Education Committee recommends programming the projected new e-rate funds as Federal Aid for FY11, and appropriating them in FY11 for this purpose.**

**The Education Committee also recommends showing the projected new e-rate funds as a resource for FY12, which would add \$1.7 million in Federal funding to that year as well.** The Council typically assumes anticipated revenues and then adjusts accordingly. MCPS stated in discussions last spring that in the absence of additional funding the school system would reprioritize technology funding in the capital budget to meet the payment obligation. Only approximately \$300,000 of the unexpended balance will remain for FY12, resulting in a possible \$1.4 million shortfall of Federal aid to support the initiative in FY12. The Committee will need to finalize this issue with MCPS in next year’s budget discussions.

**Facility Planning**

Facility Planning: MCPS	6 Years	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
- FY11-16 Board Request	6,300			2,000	1,100	1,050	800	750	600
- FY09-14 Approved	2,363	898	540	220	445	280	-		
change from approved	3,937			1,780	655	790	800		
percent change from approved	167%								

**Education Committee Recommendation: Approve the Facility Planning project as requested.** If any significant changes are made to the project schedule of the MCPS CIP, this project may need to be adjusted to reflect the appropriate planning schedule.

This project funds feasibility studies and other planning work regarding the MCPS CIP. The project PDF states that the FY11 appropriation is requested for pre-planning of four modernizations, eight addition projects, and assessments of schools for the modernization schedule and the current holding facilities. The Board’s request is a significant increase over the approved level. There are two primary reasons for the requested increase.

**FACT Assessment:** The school system is nearing the end of the list of schools that have already been assessed for modernization. A total of \$850,000 is requested in FY11 to conduct a new Facilities Assessment and Criteria Testing (FACT) study for 41 schools and the four elementary holding facilities.

A detailed description and history of the assessment process initiated in 1993 is attached on ©55-57. The schools identified for assessment in this round are the remaining schools built or renovated before 1985. MCPS is reviewing the assessment methodology and developing the criteria. The criteria and process will then be reviewed by the Board of Education before assessments begin. The Committee will want to follow this process and receive an update following Board review, to understand the impact of any changes in the assessment tool or project scope on upcoming cycles of the CIP.

**Environmental regulations:** MCPS describes on ©44 the impact of various environmental requirements including the Storm Water Management Act and Forest Conservation Laws. MCPS states that certain design activities will need to take place during facility planning to meet the current CIP schedule for some projects. MCPS estimates the additional cost to be between \$40,000 and \$100,000 per project, depending on the size and scope of the project. MCPS also states that the facility planning costs will be offset by corresponding reductions in the individual projects.

## **New Countywide Projects**

### **Clarksburg Depot Expansion Shady Grove Depot Replacement**

#### **Education Committee Recommendation: Approve the planning funds as requested by the Board of Education.**

The Board of Education's CIP request includes two new projects, one for expanding the Clarksburg bus depot and one for replacing the Shady Grove bus depots and transportation headquarters. The projects both request planning dollars in FY16, \$2.046 million for Clarksburg and \$3.624 million for Shady Grove.

MCPS operates six bus depots. The Clarksburg depot is operating at 226 percent of design capacity, with 231 buses in a facility designed for 102 buses. The Shady Grove depots are together operating at 167 percent of design capacity, with 391 buses in a facility designed for 234 buses. Given the overutilization, planning for expansion in the outyears is warranted.

In addition, the County's proposed "Smart Growth" initiative will require moving both Shady Grove depots and the DOT headquarters off their current location. The requested timing of these planning funds is consistent with the timing of the County's efforts, and is necessary to ensure coordination of all facility planning.

## Current and Future Modernizations

**Education Committee Recommendation: Approve the modernization program as requested by the Board of Education.** Given that the Board's request already reflects anticipated cost reductions, savings can only be achieved through delaying the schedule. It is difficult to delay elementary modernizations without major disruption to the holding facility schedule. Significant savings occur from delaying high school modernizations; however, this approach was taken two years ago. Many of the modernization projects add capacity, and all accomplish significant maintenance and system upgrade requirements. Given these parameters, the Committee is reluctant to recommend savings in the modernization project unless reconciliation affordability problems arise of a magnitude that would require it.

The Board of Education's request for Current Modernizations is \$606.2 million for the six-year period, a decrease of \$5.7 million from the latest amended FY09-14 CIP total of \$611.9 million. MCPS has updated all of its modernization projects to reflect more recent square foot bid experience; as the Committee has discussed, this is resulting in construction cost decreases in many cases. In addition, the Current Modernization project costs fluctuate as projects move into and out of the six-year period.

MCPS' modernizations are divided into two projects: Current Replacements/Modernizations and Future Replacements/Modernizations. Projects begin in the Future Modernization project and move into the Current Modernization project after a feasibility study is completed in the Facility Planning project and if design of the modernization is scheduled to begin in the first or second year of the CIP (FY11 or FY12 in this cycle). A full list of current and future modernizations in priority order is attached on ©58. A funding breakdown by project is presented on ©59.

The Board of Education's request maintains the modernization schedule as currently approved, and reflects no change in scope to any project in the Current Modernization project.

The FY11 appropriation request is \$49.3 million, and includes planning funds for one project (Bel Pre ES), construction funds for three projects (Garrett Park ES, Cannon Road ES, and Paint Branch HS), and furniture and equipment for one project (Farmland ES).

The Board's FY11-16 request for Future Modernizations is \$106.5 million, an increase of \$52.8 million over the FY09-14 approved level of \$53.8 million. The significant increase is due in part to the full costs for Seneca Valley HS as well as other projects moving into the six-year period. Taken together, the FY11-16 Board request includes a total of \$712.7 million for current and future modernizations, an increase of \$47 million over the approved total program.

### Project Costs

Total project costs for modernizations are generally lower, resulting in an overall projected project cost decrease of 6.8 percent for the projects in the current modernizations. Projected costs vary by school due to site and project specific considerations. One factor adding costs to projects is new requirements for stormwater management that can add significant design and construction work depending on the site. The table below shows the current estimated full project costs (not funding requests) for the **current modernization** projects:

**Table 9: Project Costs for Current Modernizations**

Comp Date	Current Mods	Last approved	Requested	\$ Change	% Change
Aug-10	Cresthaven ES	25,549	25,549	0	
Aug-10	Carderock Springs ES	23,032	23,187	155	0.7%
Aug-11	Cabin John MS	44,072	38,572	-5,500	-12.5%
Aug-12	Paint Branch HS	111,495	96,495	-15,000	-13.5%
Aug-11	Farmland ES	21,482	21,482	0	0.0%
Jan-12	Cannon Road ES	24,260	25,925	1,665	6.9%
Jan-12	Garrett Park ES	28,266	25,016	-3,250	-11.5%
Aug-13	Gaithersburg HS	116,940	117,149	209	0.2%
Aug-13	Glenallen ES	27,069	29,091	2,022	7.5%
Aug-13	Beverly Farms ES	27,148	28,747	1,599	5.9%
Aug-13	Weller Rd ES	21,507	24,119	2,612	12.1%
Aug-13	Herbert Hoover MS	52,568	47,930	-4,638	-8.8%
Aug-14	Bel Pre ES	25,666	26,241	575	2.2%
Jan-15	Candlewood ES	25,910	20,034	-5,876	-22.7%
Jan-15	Rock Creek Forest ES	28,877	24,465	-4,412	-15.3%
Aug-15	William Farquhar MS	53,066	47,798	-5,268	-9.9%
Aug-16	Wheaton HS	108,351	91,187	-17,164	-15.8%
	<b>Total</b>	<b>765,258</b>	<b>712,987</b>	<b>-52,271</b>	<b>-6.8%</b>

While the overall six-year period in the requested CIP is decreased from the approved, there are funding increases in the middle years of the requested CIP. These year to year fluctuations are the result of projects moving in and out of the master project. In the requested CIP, two high schools (Richard Montgomery and Walter Johnson) move out of the funding request, while one (Wheaton) moves in. Some of the elementary school projects with cost increases shown above (Glenallen, Beverly Farms, Weller Road) add costs in FY12 and FY13. **Thus, while the project totals clearly save money in the aggregate, this does not necessarily result in yearly savings in total appropriation or expenditure.**

The **future modernization** projects reflect the current reduced square foot bid experience and show an overall project cost reduction of around 10 percent. The one significant outlier in the table below, Maryvale ES, is the result of a scope change to the project.

**Table 10: Project Costs for Future Modernizations**

Comp Date	Future Mods	Last approved	Requested	\$ Change	% Change
Aug-16	Wayside ES	21,161	18,678	-2,483	-11.7%
Aug-16	Brown Station ES	25,700	23,136	-2,564	-10.0%
Aug-16	Wheaton Woods ES	27,409	24,584	-2,825	-10.3%
Aug-17	Seneca Valley HS	113,628	102,914	-10,714	-9.4%
Aug-17	Tilden @Woodward MS	54,020	47,921	-6,099	-11.3%
Jan-18	Potomac ES	26,149	23,123	-3,026	-11.6%
Jan-18	Maryvale ES	61,684	25,193	-36,491	-59.2%
Jan-18	Luxmanor ES	27,620	24,410	-3,210	-11.6%
Aug-19	Wootton HS	113,084	99,598	-13,486	-11.9%
Aug-19	Eastern MS		48,438		
	<b>Total</b>	<b>470,455</b>	<b>437,995</b>	<b>-80,898</b>	<b>-6.9%</b>

While the estimated project totals are down, the six-year request for future modernizations is up significantly. This is the result of several projects moving more fully into the six year period, including Seneca Valley HS. The largest increases in this project are in FY15 and FY16.

### **Artificial Turf**

The two most recent high school modernizations (Richard Montgomery and Walter Johnson) have replaced the stadium fields with artificial turf rather than grass. The Committee has discussed with MCPS the potential benefits for school and community use of replacing high school fields with turf in future modernizations as well.

**MCPS states that the standard program of requirements for high school fields remains grass, and that no additional costs for turf are programmed or requested in the FY11-16 CIP.** However, MCPS will bid a turf field as an alternate to the project; if the bid is lower, turf can be installed and if it is higher, MCPS will pursue alternative funding options or partnerships similar to those at Richard Montgomery and Walter Johnson. The three high schools requested in the current modernization program are Paint Branch (opening 8/12) and Gaithersburg (8/13), followed by Wheaton (8/16).

Last spring, the Council asked Council staff to work with the Department of Permitting Services and the Department of Environmental Protection to further review the environmental impact and water quality management of artificial turf compared to grass. Council staff is compiling the requested information, and working with the members of the Transportation, Infrastructure, Energy, and Environment Committee to determine next steps for review.

### **Rehabilitation/Renovation of Closed Schools (RROCS)**

**Education Committee Recommendation: Approve RROCS as requested by the Board of Education.** The Committee notes, however, that these projects could be delayed, if necessary for spending affordability in the outyears, without affecting the currently programmed or requested construction schedule.

The Board of Education's request for this project adds funds for two new facilities. Both facilities will add holding school capacity to accommodate and potentially accelerate the MCPS construction schedule.

*The approved project already includes funding for the re-opening of McKenney Hills Elementary School in order to relieve overutilization at both Oakland Terrace and Woodlin Elementary Schools. This portion of the RROCS project is discussed in more detail later in this memorandum.*

The Board's request includes \$16.8 million to re-open the **Broome** facility (\$1.4 million in FY15 and \$15.5 million in FY16). MCPS intends to use Broome as a middle school holding facility. This facility is currently owned by Montgomery County, and has housed the Board of Elections as well as several other non-profit health and human services. Council staff understands that the County has relocated or has plans to relocate many of the services in Broome, and that the remaining elements of the relocation process are on track to meet the Board's requested schedule.

The request also adds \$13.6 million to renovate the existing **Woodward** facility (\$1.3 million in FY15 and \$12.4 million in FY16). Currently, the Woodward facility is the home of Tilden Middle School, and the Tilden holding facility is used to house middle schools during modernization. Tilden at Woodward has been in the modernization queue (funding begins in FY14 in Future Modernizations). This recommendation would use the modernization program to modernize the Tilden holding facility and return Tilden Middle School to Tilden. RROC's funding would renovate Woodward for use as a holding school for middle schools with the possibility of being a holding school for high schools as well.

The table on ©57 indicates the current pressures on the holding facilities. The schedule for holding schools is packed tightly, with no room for changes or delays in construction schedules without upsetting the balance of the holding school transitions. These additional facilities may help alleviate this scheduling pressure.

### **Relocatable Classrooms**

On February 23 the Board of Education transmitted a FY10 special appropriation request to the Council for relocatable classrooms to be moved and rehabilitated this summer. Introduction of the special appropriation/amendment<sup>3</sup> occurred on March 2. The Education Committee discussed this request on March 11 and recommended approval. **A public hearing was held on March 16 and the Council approved the request immediately after the hearing. The FY11-16 requested PDF is attached on ©64 and the expenditures are consistent with the recent Council action.**

## **PART V: INDIVIDUAL SCHOOL PROJECTS (PDFs ON ©65-78)**

### **Individual School Projects Under Construction**

The projects shown on the following chart have no change in scope or timing AND are under construction:

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<sup>3</sup> The FY10 special appropriation request is also an amendment given that in addition to MCPS' request to accelerate the appropriation assumed in the FY09-14 amended CIP, MCPS is also requesting a sizable increase in its FY11 expenditures (from \$2.5 million approved to \$6.75 million).

**Table 11: Individual School Projects Under Construction**

Project Name	6 Year	FY11	FY12	FY13	FY14	FY15	FY16	Comment
Brookhaven ES Addition	5,125	3,634	1,491					8 classroom addition under construction, to open in August 2011, fully appropriated.
East Silver Spring ES Addition	3,215	3,215						8 classroom addition under construction, to open in August 2010. Costs reduced by 500k due to favorable construction prices.
Fairland ES Addition	4,789	3,353	1,436					9 classroom addition under construction, to open in August 2011, fully appropriated.
Fox Chapel ES Addition	4,380	4,018	362					10 classroom addition under construction, to open in August 2011. Costs reduced by \$4.8 million due to favorable construction prices.
Gibbs Jr. ES (Clarksburg ES #8)	2,400	2,400						737 seat elementary school opened in September 2009, fully appropriated.
Harmony Hills ES Addition	5,979	2,467	2,308	1,204				9 classroom addition under construction, to open in January 2012. Costs reduced by \$2.1 million due to favorable construction prices.
Jackson Road ES Addition	4,838	2,968	1,870					11 classroom addition under construction, to open in August 2011. Costs reduced by \$2.845 million due to favorable construction prices.
Montgomery Knolls ES Addition	8,584	4,046	2,491	2,047				10 classroom addition under construction, to open in January 2012. Costs reduced by \$258k due to favorable construction prices.
Northwood HS Reopening	4,216	4,216						Final phase of work, site improvements to be completed by August 2010.
Poolesville HS Magnet Improvements	944	944						An FY10 transfer of \$556k was approved out of this project in September 2009.
Redland MS Interior Modifications	6,666	4,666	2,000					Work to be completed by August 2010
Rock View ES Addition	5,527	4,331	1,196					8 classroom addition under construction, to open in August 2011. Costs reduced by \$735k due to favorable construction prices.
Sherwood ES Addition	2,470	2,470						8 classroom addition under construction, to open in August 2010. Costs reduced by \$2.5 million due to favorable construction prices.
Takoma Park ES Addition	-							16 classroom addition under construction, to open in August 2010. Costs reduced by \$4.0 million due to favorable construction prices.
Whetstone ES Addition	5,236	2,857	2,379					10 classroom addition under construction, to open in August 2011. Costs reduced by \$919k due to favorable construction prices.
<b>Totals</b>	<b>64,369</b>	<b>45,585</b>	<b>15,533</b>	<b>3,251</b>	<b>-</b>	<b>-</b>	<b>-</b>	

**Council Staff recommends approval of these projects as proposed. The Education Committee concurs.**

**Approved Individual School Projects Not Yet Under Construction**

There are three approved projects for which MCPS is requesting a construction appropriation for FY11 as shown in the following chart and described separately below.

Table 12: Approved Individual School Projects Not Yet Under Construction

Project Name	6 Year	FY11	FY12	FY13	FY14	FY15	FY16	Comment
Ridgeview MS Interior Modifications	5,658	3,533	2,125					New Scope. Work to be completed by August 2012.
Seven Locks ES Addition/Modernization	19,942	12,290	7,652					4 - 8 classroom addition to open in January 2012. Construction appropriation requested.
Downcounty Consortium ES #29 (McKenney Hills) - within RROCS	31,008	8,680	12,826	9,502				642 seats to open in FY13
<b>Totals</b>	<b>19,942</b>	<b>12,290</b>	<b>7,652</b>	-	-	-	-	

**Seven Locks ES Addition/Modernization**

	Through		Total	FY09	FY10	FY11	FY12
	Total	FY08	6 Years				
<b>FY09-14 Approved</b>	<b>20,950</b>	<b>1,379</b>	<b>19,571</b>	414	552	11,014	7,591
<b>FY11-16 BOE Proposed</b>	<b>22,287</b>	<b>1,379</b>	<b>19,942</b>	414	<b>552</b>	<b>12,290</b>	<b>7,652</b>
change from approved	1,337		371		-	1,276	61
percent change from approved	6.38%		1.90%				

The Seven Locks ES Addition/Modernization (see PDF on ©73) has the same scope and timing (4-8 classroom addition to open in January 2012) as approved in FY09-14. Project costs are up slightly from two years ago (6.4 percent).

**This project is consistent with the approved modernization schedule and provides additional capacity within the Churchill cluster. The Seven Locks ES modernization should not be considered for deferral at reconciliation unless the Committee chooses to consider deferring all elementary school modernizations (not recommended by Council staff as discussed earlier in this memorandum). The Education Committee recommends approval as proposed.**

**Ridgeview MS Improvements**

	Through		Total	FY09	FY10	FY11	FY12
	Total	FY08	6 Years				
<b>FY09-14 Approved</b>	<b>7,866</b>	<b>1,201</b>	<b>6,665</b>	3,493	3,172		
<b>FY11-16 BOE Proposed</b>	<b>13,524</b>	<b>1,201</b>	<b>5,658</b>	3,493	3,172	3,533	2,125
change from approved	5,658		(1,007)		-	3,533	2,125
percent change from approved	71.93%		-15.11%				

The Ridgeview project (see PDF on ©72), first approved 4 years ago has had a first phase of work completed. The FY11 and FY12 dollar involve work identified in a second feasibility study completed subsequent to the Approved FY09-14 CIP. This second phase of work would be completed by August 2012.

According to the PDF, this new work will include: reconfiguration of the administration suite, decentralization of the locker banks, renovation of the existing science laboratories, and major enhancements to the HVAC system.

**Given that much of the work identified to be done in this second phase had originally been included in the initial phase of work but was deferred two years ago due to fiscal constraints, Council Staff is supportive of including this work now. However, Council Staff believes that if reconciliation in May requires some adjustments in the MCPS CIP, that the new expenditures in this project may be considered for deferral again. The Education Committee concurs.**

**Downcounty Consortium ES #29 (McKenney Hills) - Subproject in RROCs**

	Total	Through FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13
<b>FY09-14 Approved</b>	<b>28,523</b>		<b>28,523</b>	642	9,549	15,858		2,474
<b>FY11-16 BOE Proposed</b>	<b>31,650</b>		<b>31,008</b>	642	8,680	12,826		<b>9,502</b>
change from approved	3,127		2,485	-	(869)	(3,032)		
percent change from approved	10.96%		8.71%					

The Downcounty Consortium ES #29 is a subproject (see PDF on ©70) within the Rehab/Renovation of Closed Schools project. Design and construction dollars were programmed for this work two years ago with an expected completion date of August 2012. MCPS has completed its design work and is now seeking an appropriation for construction. The total project has increased by approximately 11 percent since first included in the CIP two years ago.

**The project is sorely needed to relieve severe overcrowding at Oakland Terrace as well as Woodlin ES. Council Staff’s analysis of the capacity issue is provided on ©79-81.**

Councilmembers have heard from constituents concerned about the crowded conditions at the school, and also concerned about possible plans to alleviate overcrowding in the two year interim while McKenney Hills is under construction. This decision is within the jurisdiction of the Board of Education.

The Board of Education held a worksession on February 22 on the Superintendent’s proposal to establish a satellite location for some Oakland Terrace students at Sligo Middle School. The plan would relocate kindergarten classes from Oakland Terrace for the 2010-2011 and 2011-2012 school years. The plan does not require relocatables or capital funds to accomplish, works to minimize interaction between the elementary and middle school students, and addresses transportation and other logistical issues. The Superintendent recommended that additional support staff (an assistant principal, school secretary, and paraeducator) will be necessary to implement the plan, but also recommended that these resources be budget neutral overall.

The Board held a public hearing on this and other recommendations on March 3 at 7 pm, and took action to implement this plan on March 9.

**The Education Committee recommends approval of this RROCs subproject as transmitted by MCPS. *Note: The other RROCs subprojects were reviewed earlier in this memorandum.***

All of the other individual school projects are new schools and additions and are discussed in the Capacity section of this memorandum.

## PART V: CAPACITY REVIEW

The following chart presents FY16 utilization rates by cluster along with the ongoing and new projects assumed by cluster:

**Table 13: Summary of FY16 Utilization Rates by Cluster and Projects (Based on BOE Request)**

	ES	MS	HS	Comments (new projects in bold)
B-CC	108.6%	114.9%	104.0%	<b>New Westbrook ES addition (+344 seats in FY14)</b> , Somerset ES addition (+90 seats in FY11), Rock Creek Forest ES Mod (in FP), Comprehensive ES capacity review underway. Westland MS will be overcapacity by 155 seats in FY16.
Churchill	96.6%	89.1%	98.9%	Seven Locks ES Mod (+159 seats in FY12) Beverly Farms ES Mod (+112 seats in FY13), Potomac ES and Wayside ES Mods in FP, Hoover MS Mod (+170 seats in FY14)
Clarksburg	96.2%	73.2%	100.4%	<b>New ES (+740 seats in FY14)</b> , Addition at Fox Chapel ES (+238 seats in FY12) <b>C/D MS (+988 seats in FY16)</b> , <b>HS addition (+405 seats in FY15)</b>
Damascus	92.5%	90.7%	85.5%	<b>C/D MS (+988 seats in FY16)</b>
<b>Downcounty Consortium</b>				
Blair	93.0%	93.2%	88.6%	Numerous Mods and Additions already approved in the various clusters. Wheaton HS Mod (+? In FY16) could possibly relieve Northwood.
Einstein	96.4%	90.2%	101.5%	
Kennedy	92.7%	88.6%	84.3%	
Northwood	118.8%	84.6%	97.2%	
Wheaton	102.5%	94.1%	90.7%	
Gaithersburg	99.5%	93.5%	85.3%	HS Mod (+292 seats in FY14)
Walter Johnson	100.6%	95.0%	97.4%	Farmland ES Mod (+112 seats in FY12), Garrett Park ES Mod (+184 seats in FY12), <b>Wyngate ES Addition (+299 seats in FY14)</b>
Magruder	97.8%	71.5%	87.4%	Candlewood ES Mod (+136 seats in FY15)
R. Montgomery	126.5%	117.0%	94.3%	No capacity projects or Mods programmed for completion. Additions at Beall ES, Ritchie Park ES, and Twinbrook ES in FP.
<b>Northeast Consortium</b>				
Blake	100.3%	89.5%	103.7%	Numerous Mods and Additions already approved in the various clusters. Paint Branch Mod (+347 seats in FY13). Farquhar MS Mod (+? seats in FY16).
Paint Branch	105.5%	98.2%	94.8%	
Springbrook	94.9%	94.5%	76.6%	
Northwest	119.1%	105.6%	102.3%	<b>Darnestown ES Addition (+182 seats in FY14)</b> <b>ES Capacity study.</b>
Poolesville	69.1%	49.6%	98.2%	No projects. <b>Monocacy ES enrollment issue to be studied</b>
Quince Orchard	111.7%	84.3%	101.5%	Brown Station ES Mod (+? seats in FY17)
Rockville	114.2%	99.9%	86.7%	Maryvale ES Mod (+? seats in FY18)
Seneca Valley	104.1%	82.0%	89.5%	HS Mod (+? seats in FY17), <b>Waters Landing ES Addition (+237 seats in FY14)</b>
Sherwood	85.1%	76.4%	89.3%	Farquhar MS Mod (+? seats in FY16)
Watkins Mill	94.9%	98.5%	85.7%	Whetstone ES Addition (+223 seats in FY12)
Whitman	104.1%	107.8%	97.7%	<b>ES Capacity Study, Bradley Hills ES Addition (+296 seats in FY14)</b>
Wootton	93.7%	94.4%	107.8%	HS Mod (+? seats in FY19), Cabin John MS Mod (+239 seats in FY12)

As mentioned earlier, a number of clusters are experiencing utilization rates between 105% and 120%. Only one, Richard Montgomery, exceeds 120%. However, many individual schools are seeing utilization rates far higher and if space is not available in adjacent schools and enrollment is expected to remain high or even keep going up, then permanent space is often the only viable solution.

### Capacity from Modernizations

In addition to addressing facility condition and programmatic needs, most modernization projects also include increases in capacity. Since expenditures for every modernization are included in the CIP, new capacity assumed from modernizations that are completed by the 6<sup>th</sup> year of the CIP can be included in the AGP test. The following chart presents the modernization schedule (sorted by cluster) with the estimated seats to be added. Note: for modernizations in the outyears, the number of seats to be added (if any) is not yet known.

**Table 14: Modernization Projects with Significant Capacity Changes**

<b>Project Name</b>	<b>Completion Date</b>	<b>Seats Added</b>
Rock Creek Forest ES (B-CC Cluster)	Jan-15	288
Cabin John MS (Churchill/Wootton Clusters)	Aug-11	240
Hoover MS (Churchill Cluster)	Aug-13	170
Beverly Farms ES (Churchill Cluster)	Aug-13	112
Potomac ES (Churchill Cluster)	Aug-18	TBD
Seven Locks ES (Churchill Cluster)	Jan-12	159
Wayside ES (Churchill Cluster)	Aug-16	TBD
Wheaton HS (Downcounty Consortium)	Aug-15	TBD
Eastern MS (Downcounty Consortium)	Aug-19	TBD
Bel Pre ES (Downcounty Consortium)	Aug-14	202
Glenallen ES (Downcounty Consortium)	Aug-13	320
Weller Road ES (Downcounty Consortium)	Aug-13	222
Wheaton Woods ES (Downcounty Cons.)	Aug-16	TBD
Gaithersburg HS	Aug-13	292
Tilden MS (WJ Cluster)	Aug-17	TBD
Farmland ES (WJ Cluster)	Aug-11	112
Garrett Park ES (WJ Cluster)	Aug-12	184
Luxmanor ES (WJ Cluster)	Aug-18	TBD
Candlewood ES (Magruder Cluster)	Aug-15	136
Paint Branch HS (Northeast Consortium)	Aug-12	347
Farquhar MS (Northeast Cons./Sherwood Cluster)	Aug-15	TBD
Cannon Road ES (Northeast Consortium)	Aug-12	194
Cresthaven ES (Northeast Consortium)	Aug-10	90
Brown Station ES (Quince Orchard Cluster)	Aug-16	TBD
Maryvale ES (Rockville Cluster)	Aug-18	TBD
Seneca Valley HS	Aug-16	TBD
Carderock Springs ES (Whitman Cluster)	Aug-10	149
Wootton HS	Aug-18	TBD
<b>Totals</b>		<b>3217</b>

At least 3,217 seats will be added as a result of MCPS' proposed modernization program for FY11-16.

## New Addition Projects

The Board of Education's FY11-16 Proposed CIP includes a number of new classroom addition projects to add approximately 4,165 classroom seats. These projects are presented in alphabetical order on the following chart.

Table 15: Requested Classroom Addition Projects

Project Name	6 Year	FY11	FY12	FY13	FY14	FY15	FY16	Comment	Relocatables On Site Now
Bradley Hills ES Addition (Whitman Cluster)	14,249	585	4,065	3,894	5,705			New: 17 classroom addition to open in August 2013	6
Clarksburg ES (Clarksburg Village Site #1)	27,966	784	8,389	7,673	11,120			New: 740 seat school to open in August 2013	n/a
Clarksburg HS Addition	12,015	-	469	3,449	3,262	4,835		New: 18 classroom addition to open in August 2014	4
Clarksburg/Damascus MS	44,348			1,397	13,349	12,138	17,464	New: 988 seat school to open in August 2013	n/a
Darnestown ES Addition (Northwest Cluster)	11,100	468	3,022	3,069	4,543			New: 10 classroom addition to open in August 2013	6
Georgian Forest ES Addition (Downcounty Consortium)	10,620	449	2,888	2,924	4,359			New: 14 classroom addition to open in August 2013	10
Somerset ES Addition (B-CC Cluster)	1,516	1,380	136					New: 4 classroom addition build-out to open during the 2010-11 schoolyear	0
Viers Mill ES Addition (Downcounty Consortium)	11,177	477	2,870	3,092	4,738			New: 14 classroom addition to open in August 2013	13
Waters Landing ES Addition (Seneca Valley Cluster)	8,827	268	3,626	3,487	1,446			New: 11 classroom addition to open in August 2013	5
Westbrook ES Addition (B-CC Cluster)	11,805	497	3,180	3,244	4,884			New: 15 classroom addition to open in August 2013	5
Wyngate ES Addition (WJ Cluster)	10,230	439	2,975	2,772	4,044			New: 15 classroom addition to open in August 2013	10
<b>Totals</b>	<b>163,853</b>	<b>5,345</b>	<b>31,620</b>	<b>35,001</b>	<b>57,450</b>	<b>16,973</b>	<b>17,464</b>		<b>59</b>

Council Staff did a detailed capacity analysis for each project (see ©79-81). All of the projects have compelling capacity needs. At issue is whether the Council will be able to accommodate all of the requests on the schedule requested by the Board of Education when the Council reconciles the CIP in early May. As mentioned earlier with regard to the Annual Growth Policy test, some of these projects are needed to avoid a cluster going into moratorium. However, some projects could be deferred a year or two and still be completed in time for the additional capacity to factor into the AGP test (which counts any capacity scheduled to come on line by September 2015).

With regard to other issues beyond the AGP test, Council staff looked at a number of factors including: utilization at the specific school, cluster utilization, enrollment trends, site constraints, programmatic issues (such as Class Size Reduction), and linkages to other projects.

With the above factors in mind, Council staff reviewed each of the new addition projects in order to provide advice to the Committee as to which projects are the highest priority to keep on MCPS' requested schedule and which, while still justified, could be considered for a one or two year deferral depending on CIP reconciliation needs identified in early May.

- **Highest Priority - Do Not Defer**

- Bradley Hills ES Addition: In addition to being a component of solving the AGP problem in the B-CC cluster, this large project (17 room addition) is also assumed to be done with the students housed at the Radnor Holding Facility. Since all of the holding facilities are booked solid throughout most of the FY11-16 period (see ©57), any deferral in this addition would be difficult if not impossible to reschedule without

affecting the modernization queue.

- Clarksburg/Damascus Middle School: Unlike all of the other addition projects, this project is already scheduled for completion in the AGP test year (August 2015). Therefore, a deferral in this project would create an AGP problem.

**Council staff suggests that these two projects in particular should be given highest priority in the context of CIP reconciliation in early May.**

- **Next Priority Level – Deferrals Would be Problematic**

- Darnestown ES: This small school has a very high projected utilization rate with six relocatable classrooms already on the site with enrollment continuing to go up. Site issues are further complicated because of the school's septic system which limits flexibility on the site. This is also the only elementary school capacity project in the Northwest cluster that is ready to move forward now to address AGP concerns in FY16. A capacity study involving Germantown ES, Great Seneca Creek ES, and Spark Matsunaga ES is planned for FY11. Any projects that come out of that study would take up expenditure capacity in the later part of the CIP period.
- Georgian Forest ES and Viers Mill ES: In addition to very high overutilization projected, both of these schools have a number of factors arguing against any deferral: Both schools already have a high number of relocatable classrooms on their sites (10 and 13 respectively) and enrollment is still increasing at both schools. Both schools are also class size reduction schools and on relatively tight sites making the use of additional relocatable classrooms problematic.
- Westbrook ES: Utilization is high at the school and the addition is needed to pass the AGP test in FY16. There are five relocatable classrooms at the site. The site is the largest of the B-CC elementary school sites, but a significant part of the site is wooded. Enrollment is expected to increase at the school, complicating the swing space needs of the addition project

**All of these projects are urgent as well but their completion dates are more flexible than the two projects in the highest priority category. They could be considered for one or two year delays without affecting the AGP test, although there would be operational and site challenges to doing so.**

- **The Other Additions – Justified but lower priority than the above projects**

- New Clarksburg ES: The school is needed for AGP purposes but could be delayed one or two years while meeting this test. The Fox Chapel addition (previously approved) will help but the new school is still needed in the six-year period.

- Clarksburg HS: The school is needed for AGP purposes but could be delayed **one year** while meeting this test.
- Somerset ES is unique in that the addition would be done within existing shell space and would thus be cheaper and faster than other additions. This school is also part of the puzzle in addressing the moratorium issue in the B-CC cluster. The school site is tight and cannot easily accommodate relocatable classrooms without taking up ballfield space. However this addition is smaller than the other additions involving this cluster (Bradley Hills ES, Rock Creek Forest ES modernization, and Westbrook ES) and thus has less of an impact on AGP.
- Waters Landing ES: Utilization is high at the school and five relocatable classrooms are in use. This is a class size reduction school. However, the Seneca Valley cluster would not fall into moratorium without the addition and the site is larger than some of the other school addition sites which gives it some flexibility to add relocatable classrooms until an addition can be completed.
- Wyngate ES: Major over utilization at the school is projected, but with Farmland and Garrett Park modernizations opening during the six-year period, the Walter Johnson cluster does not have the same AGP pressures as some other clusters.

**These addition projects are well justified but possible deferrals present fewer issues than with the previous sets of projects.**

Below is a summary of the fiscal impact under one and two year delay scenarios with the following assumptions:

- All of the scenarios assume to keep Bradley Hills ES and the new Clarksburg/Damascus Middle School on schedule.
- All of the scenarios also assume to defer the Clarksburg High School Addition no more than one year (in order to keep its completion date within the AGP test timeframe of August 2015).
- The options look at deferring some or all of the other projects one or two years.
- These numbers are provided for informational purposes only to give Councilmembers a sense of the expenditure impact of deferring multiple projects one or two years.

**Table 16: Costs (Savings) From Deferring Capacity Projects**

	6 Years	FY11	FY12	FY13	FY14	FY15	FY16	
Option 1A: Defer most new addition projects one year	-	(4,760)	(22,795)	(2,155)	(8,686)	33,561	4,835	Keep Bradley Hills and Clarksburg/Damascus MS on proposed schedule
Option 1B: Defer some new addition projects one year		(2,871)	(12,724)	(1,786)	(2,491)	15,037	4,835	Defer new Clarksburg ES, Clarksburg HS Addition, Waters Landing ES, Wyngate ES
Option 2A: Defer most new addition projects two years	-	(4,760)	(27,555)	(24,481)	(7,861)	24,688	39,969	Keep Bradley Hills and C.D MS on proposed schedule. Defer all projects two years (except Clarksburg HS Addition)
Option 2B: Defer some new addition projects two years	-	(2,871)	(15,595)	(14,041)	(1,297)	12,359	21,445	Defer new Clarksburg ES, Waters Landing ES, Wyngate ES two years. Defer Clarksburg HS Addition one year

**All of the scenarios free up dollars early in the CIP at the expense of the later years. However, until the Council finishes its review of the entire CIP, we will not know which years are over-programmed (and by how much) and which years may have extra capacity.**

**Attachments**

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# **MONTGOMERY COUNTY BOARD OF EDUCATION**

850 Hungerford Drive ♦ Rockville, Maryland 20850

December 1, 2009

The Honorable Isiah Leggett  
Montgomery County Executive  
Executive Office Building  
101 Monroe Street  
Rockville, Maryland 20850

The Honorable Phil Andrews, President  
and Members of the Montgomery County Council  
Stella B. Werner Council Office Building  
100 Maryland Avenue  
Rockville, Maryland 20850

Dear Mr. Leggett, Mr. Andrews, and Members of the Montgomery County Council:

At its November 19, 2009, meeting, the Board of Education approved the Requested FY 2011 Capital Budget and the FY 2011–2016 Capital Improvements Program (CIP) for Montgomery County Public Schools (MCPS). Enclosed is a copy of the Board of Education resolution requesting an FY 2011 Capital Budget appropriation of \$175,262,000 and an FY 2011–2016 CIP totaling \$1,493,818,000 (Action Item 4.0, as adopted). The Board of Education is requesting \$139,127,000 from the state as its share of the FY 2011 Capital Budget.

The Board of Education's Requested FY 2011 Capital Budget and the FY 2011–2016 CIP includes the expenditure requests for the six-year planning period and provides the requested FY 2011 Capital Budget appropriation authority for funds needed to implement the CIP during the fiscal year that begins July 1, 2010, and ends June 30, 2011. Fiscal Year 2011 is the first year of the biennial CIP review process. In accordance with the Montgomery County charter, all CIP projects are considered in odd-numbered fiscal years; therefore, this requested CIP will receive a full review by the county executive and the County Council.

As noted in the Superintendent's Recommended FY 2011 Capital Budget and FY 2011–2016 CIP, Montgomery County continues to face fiscal constraints and projected revenue shortfalls; however, like the superintendent of schools, the Board believes that now is the time to take maximum advantage of significantly lower construction costs and lower interest rates for bond funding to address both our capital needs and our aging school facilities. If Montgomery County does not seize this opportunity to sell general obligation (GO) bonds to fund our much needed capital projects, construction costs within a few years may be thirty to forty percent more per square foot than today, and our staff and students at schools throughout the system once again will have to wait for their addition or modernization projects.

## **Enrollment**

For the 2009–2010 school year, MCPS continues to experience enrollment growth. The official September 30, 2009, enrollment is 141,777, an increase of 2,501 students from FY 2009. Almost the entire increase in enrollment over the past two years has been at the elementary school level, where MCPS currently has the greatest capacity shortages. To address the need for classroom capacity, we currently have 437 relocatable classrooms systemwide to provide seats for students who attend schools that are overutilized. Of the 437 relocatable classrooms, 386 are at elementary schools. In the coming year, additional relocatable classrooms are expected to be needed to address the projected growth. Funding included in the Requested FY 2011–2016 CIP will provide much needed addition projects to try to reduce the number of relocatable classrooms in use.

## **Requested CIP**

The Board of Education's Requested FY 2011 Capital Budget and the FY 2011–2016 CIP total \$1.494 billion, an increase of \$223 million or 17.5 percent over the previously approved six-year plan. The request includes \$253.8 million in expenditures for FY 2011, an increase of \$35.2 million or 16.1 percent over the previously approved FY 2011 expenditures. The Requested FY 2011–2016 CIP includes funding to address critical capacity needs systemwide to continue the modernization program to address our aging schools and to provide additional funding to many countywide systemic projects to maintain our capital investment.

The Requested FY 2011 Capital Budget and the FY 2011–2016 CIP will maintain the completion dates for all individual school projects, modernizations, and systemic countywide projects as approved in the adopted CIP. The Requested FY 2011–2016 CIP includes funding for eight new elementary school additions and one new high school addition, funding for a new elementary school and middle school, increases to various countywide systemic projects, funding in the Facility Planning project to conduct the next round of Facilities Assessment with Criteria and Testing (FACT) assessments for modernizations, and funding to reopen two facilities for use as holding schools for school modernizations.

With respect to countywide projects, the Requested FY 2011 Capital Budget and the FY 2011–2016 CIP increases many of our systemic projects, such as Planned Life-cycle Asset Replacement (PLAR), Roof Replacement, ADA Compliance, and Asbestos Abatement to address the needs of buildings which we rely on for increasingly longer life spans. One countywide project—Heating, Ventilation, and Air-Conditioning (HVAC) (Mechanical Systems) Replacement—increased substantially to address the backlog of HVAC projects that directly affect our students, teachers, and administrators every day. Also, the Restroom Renovation project was expanded to provide additional funds for schools identified in the second round of assessments for this project. Finally, as our enrollment continues to grow, so does our need for additional buses to transport our students to school. Therefore, planning funds are recommended in the last year of the CIP to address the overutilization of the Clarksburg bus depot, as well as

the proposed relocation of the Shady Grove Depot as a result of the comprehensive relocation of county facilities that is part of the county's Smart Growth Initiative.

### **Capacity Issues**

The Board of Education's FY 2011 Capital Budget and the FY 2011–2016 CIP will continue to address capacity needs, especially at the elementary school level where, as previously stated, enrollment is on the rise. Of the \$223 million increase to the adopted CIP, \$91.5 million is for the following capacity projects: Bradley Hills, Darnestown, Georgian Forest, Somerset, Viers Mill, Waters Landing, Westbrook, and Wyngate elementary schools and Clarksburg High School. Also, the Requested FY 2011–2016 CIP includes funding for one new elementary school and one new middle school to address the overutilization in Clarksburg Cluster schools. These 11 projects total approximately \$163 million.

The Requested FY 2011–2016 CIP includes funding to provide additional capacity for four clusters—Bethesda-Chevy Chase, Clarksburg, Northwest, and Seneca Valley—that are currently in residential development moratorium, according to Montgomery County's Growth Policy school test. If the County Council approves the capacity projects as recommended, the four clusters will fall below the 120 percent threshold and, therefore, be out of residential moratorium when the next school test is adopted in June 2010.

The Richard Montgomery Cluster faces a possible development moratorium because greater than anticipated enrollment in the cluster will increase the elementary school utilization rate above the county's 120 percent threshold, as well as the City of Rockville's threshold, which is even more stringent. The Requested FY 2011–2016 CIP includes funding in the Facility Planning project to conduct feasibility studies at Beall, Ritchie Park, and Twinbrook elementary schools to determine the scope and cost of future additions at these schools. Upon completion of the feasibility studies, funding can be considered for inclusion next year in the Amended FY 2011–2016 CIP to address the overutilization in this cluster.

Also, given the extreme overcrowding at Oakland Terrace Elementary School and the projected increase in enrollment to 873 students for the next academic year, the Board approved a resolution asking the superintendent and MCPS staff to work with the Oakland Terrace Elementary School staff and community to explore options to relieve overutilization, including an interim satellite placement for one or two elementary grade levels, to begin with school year 2010-2011 pending the reopening of McKenney Hills in August 2012.

### **State Aid**

With the need to provide permanent seats for our student population and address the aging inventory of older school facilities, funding for the CIP continues to be a complex issue. Local funding sources such as County GO bonds, current revenue, the county Recordation Tax, and the School Impact Tax are utilized in conjunction with state aid to fund the CIP. For FY 2011, the

revised state aid request is \$139.1 million. It is crucial that MCPS receive a minimum of \$40 million, which is the amount assumed by the County Council in the adopted CIP.

State funding of school construction has been, and continues to be, a critical component of MCPS CIP funding. If sufficient state aid is not approved for the CIP, additional county funds will have to be provided or project schedules will need to be delayed.

### **Non-Capital Items**

There are some areas of the county that are not experiencing growth. In fact, the Poolesville Cluster has experienced a declining elementary school enrollment for a number of years. For the 2009–2010 school year, Monocacy Elementary School is significantly underenrolled with only 176 students, including a kindergarten enrollment of only 18 students. Projections for Monocacy Elementary School indicate the enrollment will continue to decrease, to an estimated enrollment of 150 students by the 2015–2016 school year.

The superintendent of schools recommended the consolidation of Monocacy Elementary School into Poolesville Elementary School beginning in August 2010. Supplement A to the Superintendent's Recommended FY 2011 Capital Budget and FY 2011–2016 CIP provided a detailed rationale for the recommendation to close Monocacy Elementary School and to consolidate the student population at Poolesville Elementary School. Included in Supplement A were recommended procedures to follow prior to Board of Education action on the closure and consolidation.

After careful consideration, the Board of Education, at its work session on November 19, 2009, did not approve the procedures for the closure of Monocacy Elementary School and the consolidation of students at Poolesville Elementary School. Instead, the Board of Education approved the establishment of a roundtable work group charged to develop approaches to address underutilization in the Poolesville Cluster schools (Action Item 3.0, as adopted). Upon completion of the roundtable process, the developed approaches will be forwarded to the superintendent of schools no later than June 2010. The superintendent of schools will then prepare his recommendation to address underutilization in the Poolesville Cluster schools as part of the FY 2012 Capital Budget and Amended FY 2011–2016 CIP.

The Board of Education approved one boundary study that was conducted in spring 2009 to relieve overutilization at Sligo Creek Elementary School and included representatives from East Silver Spring, Piney Branch, Sligo Creek, and Takoma Park elementary schools and their attendant middle schools—Silver Spring International and Takoma Park middle schools (Action Item 2.0, as adopted). Also, the Board of Education approved the following boundary studies to be conducted in the winter of 2009–2010:

The Honorable Isiah Leggett  
The Honorable Phil Andrews  
Members of the County Council

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December 1, 2009

- An elementary school boundary study to evaluate reassignment of the western portion of the Bethesda Elementary School service area, which articulates to the Walt Whitman cluster secondary schools. Representatives from both Bethesda Elementary School in the Bethesda-Chevy Chase Cluster and Bradley Hills Elementary School in the Walt Whitman Cluster will participate in the boundary advisory committee. The boundary study will be conducted in the winter of 2009–2010. The superintendent's recommendation on this boundary study will be released in February 2010, with Board of Education action in March 2010.
- A boundary study to explore the option to reassign Lois P. Rockwell Elementary School to John T. Baker Middle School. The boundary study will include representatives from Lois P. Rockwell Elementary School, and John T. Baker and Rocky Hill middle schools. Lois P. Rockwell Elementary School articulates to Damascus High School. For students who live in the Lois P. Rockwell Elementary School service area, reassignment from Rocky Hill Middle School to John T. Baker Middle School will provide a straight articulation pattern from elementary school to middle school and then to high school. The boundary study will be conducted in the winter of 2009–2010. The superintendent's recommendation on this boundary study will be released in February 2010, with Board of Education action in March 2010.

The Board of Education looks forward to meeting with you to discuss its request. If additional information is needed, please do not hesitate to contact me.

Sincerely,



Shirley Brandman  
President

SB:ak

Enclosures

Copy to:

Members of the Board of Education  
Dr. Weast

**Board of Education Requested FY 2011 Capital Budget  
and the FY 2011–2016 Capital Improvements Program**  
(figures in thousands)

Project	FY 2011 Approp.	Total	Thru FY2009	Remaining FY2010	Total Six-Years	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
<b>Individual School Projects</b>											
<b>Bradley Hills ES Addition</b>	1,170	14,249			14,249	585	4,065	3,894	5,705		
Brookhaven ES Addition		7,919	391	2,403	5,125	3,634	1,491				
<b>Clarksburg Cluster ES (Clarksburg Village Site #1)</b>	1,567	27,966			27,966	784	8,389	7,673	11,120		
<b>Clarksburg HS Addition</b>		12,015			12,015		469	3,449	3,262	4,835	
<b>Clarksburg/Damascus MS (New)</b>		44,348			44,348			1,397	13,349	12,138	17,464
<b>Darnestown ES Addition</b>	932	11,100			11,100	466	3,022	3,069	4,543		
East Silver Spring ES Addition	-500	11,798	4,933	3,650	3,215	3,215					
Fairland ES Addition		7,729	353	2,587	4,789	3,353	1,436				
Fox Chapel ES Addition	-4,791	7,205	421	2,404	4,380	4,018	362				
William B. Gibbs, Jr. ES (Clarksburg ES #8)		24,401	18,930	3,071	2,400	2,400					
<b>Georgian Forest ES Addition</b>	897	10,620			10,620	449	2,888	2,924	4,359		
Harmony Hills ES Addition	-2,100	7,749	270	1,500	5,979	2,467	2,308	1,204			
Jackson Road ES Addition	-1,845	9,191	353	4,000	4,838	2,968	1,870				
Montgomery Knolls ES Addition	-258	11,253	316	2,353	8,584	4,046	2,491	2,047			
Northwood HS Reopening		42,808	37,511	1,081	4,216	4,216					
Poolesville HS Magnet Improvements		8,562	6,443	1,175	944	944					
Redland MS Interior Modifications		14,233	3,213	4,354	6,666	4,666	2,000				
Ridgeview MS Interior Modifications	5,658	13,524	4,694	3,172	5,658	3,533	2,125				
Rock View ES Addition	-735	7,370	397	1,446	5,527	4,331	1,196				
Seven Locks ES Add/Mod.	19,529	22,287	1,793	552	19,942	12,290	7,652				
Sherwood ES Addition	-2,500	4,947	270	2,207	2,470	2,470					
<b>Somerset ES Addition</b>	1,516	1,516			1,516	1,380	136				
Takoma Park ES Addition	-4,000	11,592	11,567	25							
<b>Viers Mill ES Addition</b>	953	11,177			11,177	477	2,870	3,092	4,738		
<b>Waters Landing ES Addition</b>	669	8,827			8,827	268	3,626	3,487	1,446		
<b>Westbrook ES Addition</b>	994	11,805			11,805	497	3,180	3,244	4,884		
Whetstone ES Addition	-919	7,633	312	2,085	5,236	2,857	2,379				
<b>Wyngate ES Addition</b>	878	10,230			10,230	439	2,975	2,772	4,044		
<b>Countywide Projects</b>											
ADA Compliance: MCPS	2,000	12,158	3,090	1,068	8,000	2,000	1,200	1,200	1,200	1,200	1,200
Asbestos Abatement	1,145	10,940	3,029	1,041	6,870	1,145	1,145	1,145	1,145	1,145	1,145
Building Mod. and Program Improvements		23,384	4,384	4,000	15,000	5,000	2,000	2,000	2,000	2,000	2,000
<b>Clarksburg Depot Expansion</b>		2,046			2,046						2,046
Current Replacement/Modernizations	49,281	606,190			606,190	92,883	117,058	131,285	143,051	86,620	35,293
Design, Engineering & Construction	4,900	46,375	12,475	4,500	29,400	4,900	4,900	4,900	4,900	4,900	4,900
Energy Conservation: MCPS	2,057	19,898	5,686	1,870	12,342	2,057	2,057	2,057	2,057	2,057	2,057
Facility Planning: MCPS	2,000	9,397	2,557	540	6,300	2,000	1,100	1,050	800	750	600
Fire Safety Upgrades	817	8,477	2,832	743	4,902	817	817	817	817	817	817
Future Replacements/Modernizations		106,513			106,513	0	0	1,185	2,714	40,715	61,899
HVAC (Mechanical Systems) Replacement	15,000	115,180	10,180	10,000	95,000	15,000	20,000	15,000	15,000	15,000	15,000
Improved (Safe) Access to Schools	1,200	6,237	2,637	1,200	2,400	1,200	1,200				
Indoor Air Quality	2,088	23,137	9,309	1,300	12,528	2,088	2,088	2,088	2,088	2,088	2,088
Planned Life Cycle Asset Replacement	6,163	61,749	18,575	6,196	36,978	6,163	6,163	6,163	6,163	6,163	6,163
<b>Rehab./Reno. (RROCS)</b>	28,560	61,463			61,463	8,680	12,826	9,502		2,627	27,828
Relocatable Classrooms	6,750	40,611	12,736	4,125	23,750	6,750	5,000	3,000	3,000	3,000	3,000
Restroom Renovations	1,000	11,735	4,811	924	6,000	1,000	1,000	1,000	1,000	1,000	1,000
Roof Replacement: MCPS	6,468	55,792	11,104	5,880	38,808	6,468	6,468	6,468	6,468	6,468	6,468
School Gymnasiums	6,825	39,102	24,957	2,820	11,325	6,825	4,500				
School Security Systems	1,500	11,750	3,250	1,500	7,000	1,500	1,500	1,500	1,500	500	500
<b>Shady Grove Depot Replacement</b>		3,624			3,624						3,624
Stormwater Discharge Management	504	6,472	1,700	1,000	3,772	704	604	616	616	616	616
Technology Modernization	19,889	219,089	60,407	18,897	139,785	19,889	19,501	21,847	25,313	26,393	28,842
<b>Total Requested CIP</b>	<b>175,262</b>	<b>1,885,373</b>	<b>285,886</b>	<b>105,669</b>	<b>1,493,818</b>	<b>253,822</b>	<b>268,057</b>	<b>251,075</b>	<b>277,282</b>	<b>221,032</b>	<b>222,550</b>

Bold indicates new project to the FY2011-2016 CIP

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**Revised FY 2011 State Capital Improvements Program  
for Montgomery County Public Schools**  
(figures in thousands)

Local Priority No.	PFA Y/N	Project	Total Estimated Cost	Non PSCP Funds	Prior IAC Funding Thru FY 2010	FY 2011 Request For Funding
<b>Balance of Funding</b>						
1	Y	Francis Scott Key MS Modernization	43,604	28,803	4,979	10,822
		<b>Subtotal</b>	<b>43,604</b>	<b>28,803</b>	<b>4,979</b>	<b>10,822</b>
<b>Construction Request (Forward-Funded)</b>						
2	Y	Bells Mill ES Modernization	23,631	15,296	LP	8,335
3	Y	Cashell ES Modernization	19,810	13,100	LP	6,710
		<b>Subtotal</b>	<b>43,441</b>	<b>28,396</b>		<b>15,045</b>
<b>Systemic Projects</b>						
4	Y	Belmont ES -- HVAC	1,500	765		735
5	N	Magruder HS -- HVAC	1,490	760		730
6	Y	Eastern MS -- HVAC	1,035	529		506
7	N	Sherwood HS -- Roof	835	426		409
8	Y	Cedar Grove ES -- HVAC	800	408		392
9	Y	Cold Spring ES -- Roof	785	401		384
10	Y	Laytonsville ES -- Roof	775	396		379
11	Y	Cloverly ES -- Roof	770	393		377
12	Y	Poolesville HS -- HVAC	700	357		343
13	Y	Montgomery Knolls ES -- Roof	685	350		335
14	Y	Beall ES -- Roof	640	327		313
15	Y	Banneker MS -- HVAC	625	319		306
16	Y	Gaithersburg ES -- HVAC	550	281		269
17	Y	Maryvale ES -- HVAC	550	281		269
18	Y	DuFief ES -- HVAC	500	255		245
19	Y	Clopper Mill ES -- HVAC	350	179		171
		<b>Subtotal</b>	<b>12,590</b>	<b>6,427</b>	<b>0</b>	<b>6,163</b>
<b>Planning and/or Construction Request</b>						
20/21	Y	Cresthaven ES Modernization	25,549	17,963		7,586
22/23	Y	Carderock Springs ES Modernization	23,187	17,311		5,876
24/25	Y	Takoma Park ES Addition (CSR)	15,592	10,970		4,622
26/27	Y	Poolesville HS Magnet Improvements	9,118	6,037		3,081
28	Y	East Silver Spring ES Addition (CSR)	12,298	10,580	LP	1,718
29/30	N	Sherwood ES Addition	7,447	6,481		966
31/32	Y	Cabin John MS Modernization	44,072	25,586		18,486
33/34	Y	Farmland ES Modernization	21,482	9,392		12,090
35/36	Y	Seven Locks ES Modernization	20,950	15,503		5,447
37/38	N	Redland MS Upgrades	14,233	10,189		4,044
39/40	Y	Cannon Road ES Modernization* (CSR)	24,260	16,547		3,857
41	Y	Fox Chapel ES Addition (CSR)	12,331	8,887	LP	3,444
42/43	Y	Garrett Park ES Modernization*	28,266	21,435		3,416
44/45	Y	Jackson Road ES Addition (CSR)	11,036	8,549		2,487
46/47	Y	Rock View ES Addition (CSR)	8,105	6,167		1,938
48/49	Y	Fairland ES Addition (CSR)	7,729	5,877		1,852
50/51	Y	Whetstone ES Addition (CSR)	8,926	7,131		1,795
52/53	Y	Brookhaven ES Addition (CSR)	7,919	6,727		1,192
54/55	Y	Montgomery Knolls ES Addition (CSR)	11,511	9,037		2,474
56/57	Y	Harmony Hills ES Addition (CSR)	9,849	7,501		2,348
58/59	Y	Paint Branch HS Modernization*	111,495	74,739		18,378
		<b>Subtotal</b>	<b>435,355</b>	<b>302,609</b>	<b>0</b>	<b>107,097</b>
<b>Planning Approval Request</b>						
60	Y	Downcounty Consortium ES #29 (McKenney Hills re-opening)*	LP			LP
61	Y	Beverly Farms ES Modernization*	LP			LP
62	Y	Glenallan ES Modernization* (CSR)	LP			LP
63	Y	Herbert Hoover MS Modernization*	LP			LP
64	Y	Weller Road ES Modernization* (CSR)	LP			LP
65	Y	Gaithersburg HS Modernization*	LP			LP
		<b>Total</b>	<b>534,990</b>	<b>366,235</b>	<b>4,979</b>	<b>139,127</b>

# Appendix D

## Montgomery County Public Schools Relocatable Classrooms: 2009-2010 School Year

Cluster/ School	Relocatables on Site for 2009-2010 To Address:			Cluster/ School	Relocatables on Site for 2009-2010 To Address:			Cluster/ School	Relocatables on Site for 2009-2010 To Address:		
	Overutilization	DC	Total		Overutilization	DC	Total		Overutilization	DC	Total
<b>Bethesda-Chevy Chase</b>				<b>Col. Zadok Magruder</b>				<b>Watkins Mill</b>			
Westland MS		1	1	Flower Hill	6		6	Whetstone	8		8
Bethesda	5		5	Mill Creek Towne	3		3	<b>Totals</b>	<b>8</b>	<b>0</b>	<b>8</b>
North Chevy Chase	4		4	Judith A. Resnik	2		2				
Rock Creek Forest	5	1	6	<b>Totals</b>	<b>11</b>	<b>0</b>	<b>11</b>				
Rosemary Hills	5		5	<b>Richard Montgomery</b>				<b>Walt Whitman</b>			
Westbrook	5		5	Beall	8		8	Bannockburn	2		2
<b>Totals</b>	<b>24</b>	<b>2</b>	<b>26</b>	Ritchie Park	3		3	Bradley Hills	6		6
<b>Winston Churchill</b>				Twinbrook	4		4	Burning Tree	3		3
Herbert Hoover MS	5		5	<b>Totals</b>	<b>15</b>	<b>0</b>	<b>15</b>	Wood Acres	5		5
Beverly Farms	2		2	<b>Northeast Consortium*</b>				<b>Totals</b>	<b>16</b>	<b>0</b>	<b>16</b>
Potomac	7		7	James H. Blake HS	7		7	<b>Thomas S. Wootton</b>			
Seven Locks	2		2	Paint Branch HS	7		7	Thomas S. Wootton HS	9		9
<b>Totals</b>	<b>16</b>	<b>0</b>	<b>16</b>	Burnt Mills	1		1	Cold Spring	2		2
<b>Clarksburg</b>				Burtonville	1		1	Dufief	1	2	3
Clarksburg HS	4		4	Cannon Road	7		7	<b>Totals</b>	<b>12</b>	<b>2</b>	<b>14</b>
Rocky Hill MS	8		8	Cloverly	2		2				
Clarksburg ES	6		6	Fairland	9		9	<b>Grand Total by Use</b>	<b>426</b>	<b>11</b>	<b>437</b>
Daly	4		4	Greencastle	1		1				
Fox Chapel	10		10	Jackson Road	11		11	<b>SCHOOL TOTAL:</b>			<b>437</b>
Little Bennett	6		6	Stonegate	3	1	4				
<b>Totals</b>	<b>38</b>	<b>0</b>	<b>38</b>	Westover	1		1				
<b>Damascus</b>				<b>Totals</b>	<b>50</b>	<b>1</b>	<b>51</b>				
Cedar Grove	3		3	<b>Northwest</b>							
Clearspring	1		1	Clopper Mill	2		2				
<b>Totals</b>	<b>4</b>	<b>0</b>	<b>4</b>	Darnestown	6		6				
<b>Downcounty Consortium*</b>				Great Seneca	2		2				
Wheaton HS	4		4	Spark M. Matsunaga	12	1	13				
Bel Pre	8		8	Ronald McNair	4		4				
Brookhaven	11	1	12	<b>Totals</b>	<b>26</b>	<b>1</b>	<b>27</b>				
Georgian Forest	10		10	<b>Poolesville</b>							
Glenallan	6		6	Monocacy	3		3				
Harmony Hills	10		10	<b>Totals</b>	<b>3</b>	<b>0</b>	<b>3</b>				
Highland View	6		6	<b>Quince Orchard</b>							
Montgomery Knolls	12		12	Rachel Carson	7		7				
Oakland Terrace	11		11	Jones Lane	2		2				
Pine Crest	2		2	<b>Totals</b>	<b>9</b>	<b>0</b>	<b>9</b>				
Rock View	10		10	<b>Rockville</b>							
Rolling Terrace	2		2	Lucy V. Barnsley	4		4				
Shriver	3		3	Flower Valley	1		1				
Sligo Creek	4	1	5	Maryvale	1		1				
Viers Mill	13		13	Meadow Hall	2		2				
Weller Road	2		2	Rock Creek Valley	2		2				
Wheaton Woods	6		6	Sandburg	1		1				
Woodlin	4		4	<b>Totals</b>	<b>11</b>	<b>0</b>	<b>11</b>				
<b>Totals</b>	<b>124</b>	<b>2</b>	<b>126</b>	<b>Seneca Valley</b>							
<b>Gaithersburg</b>				Seneca Valley	3		3				
Gaithersburg HS	3		3	Lake Seneca	1		1				
Goshen	1		1	McAuliffe	3		3				
Laytonsville	1		1	Sally K. Ride	4		4				
Rosemont		1	1	Waters Landing	5		5				
Strawberry Knoll	4		4	<b>Totals</b>	<b>16</b>	<b>0</b>	<b>16</b>				
Summit Hall	5	1	6	<b>Sherwood</b>							
Washington Grove	9		9	Belmont		1	1				
<b>Totals</b>	<b>23</b>	<b>2</b>	<b>25</b>	Sherwood ES	6		6				
<b>Walter Johnson</b>				<b>Totals</b>	<b>6</b>	<b>1</b>	<b>7</b>				
Kensington-Parkwood	4		4								
Wygate	10		10								
<b>Totals</b>	<b>14</b>	<b>0</b>	<b>14</b>								
<b>Other Relocatable Uses</b>											
									# Units		Comment
<b>Phased Construction</b>											
Walter Johnson HS									22		Modernization
Redland									13		Improvements
Montgomery Knolls									1		Addition
Sherwood ES									2		Addition
Whetstone									2		Addition
<b>Total</b>									<b>40</b>		
<b>Holding Schools for Mods</b>											
Fairland									9		Cresthaven/Cannon
Grosvenor									14		Tak. Pk./Garrett Pk.
North Lake									16		Fairland
Radnor									2		Carderock/Sev. Locks
Tilden									9		Cabin John
<b>Total</b>									<b>50</b>		
<b>Other Uses at Schools</b>											
Emory Grove Ctr.									1		Transition (CCC)
Gaithersburg ES									1		Parent Res. Ctr.
Gaithersburg HS									1		Mont. College Prgrm.
Rolling Terrace									1		Judy Center
Sandburg									1		Autism offices
Seneca Valley HS									1		Transition (CCC)
Sherwood ES									1		Baldrige Lab
Wootton HS									1		Mont. College Prgrm.
<b>Total</b>									<b>8</b>		
<b>Nonschool Locations</b>											
Bethesda Depot									2		Offices
Children's Res. Ctr.									1		Infants & Todd. offices
Kingsley									4		
Mont. College Germantown									2		
Rockinghorse									2		ESOL Offices
Smith Center									2		Outdoor Education
Transportation Depot									2		Offices
Warehouse									1		Copy Plus Program
<b>Total</b>									<b>16</b>		
<b>OTHER TOTAL:</b>											<b>114</b>

DC = Paid for by day-care provider to enable a day-care center to operate inside school.

\* In terms of the number of schools, the Downcounty Consortium is the equivalent of 5 clusters, and the Northeast Consortium is the equivalent of 3 clusters.

Relocatable classrooms are distributed quite evenly around the county, with an average of about 17 per cluster, taking account of multiple cluster areas in the consortia.



# Montgomery County Public Schools

## AGENCY DESCRIPTION

The Montgomery County Board of Education (BOE or Board) consists of seven publicly elected members; one student member elected by public school students; and the Superintendent of Schools, who is appointed by the Board of Education and is responsible for the administration of the school system. The vote of the Superintendent is not counted for capital and operating budget appropriations. The Montgomery County Public Schools (MCPS) operates and maintains a Countywide system of public schools for students from pre-kindergarten through high school (including special education, interagency, and alternative programs) and also provides adult education services. At the start of the 2009-2010 school year, 141,777 students were attending 200 separate public educational facilities.

## PROGRAM DESCRIPTION AND OBJECTIVES

The Board's FY11-16 CIP request consists of 13 new and 36 ongoing projects with expenditures in the six-year period. Included within the ongoing projects are three projects with multiple subprojects: Current Modernization / Renovations, Future Modernization / Renovations, and Rehab / Renovation of Closed Schools. There are 18 projects that have no expenditures in the six-year period.

Two projects are included for technical reasons. State Aid Reconciliation includes State aid funding not yet allocated to specific projects, as well as bond funding reductions assumed from this State aid. MCPS Affordability Reconciliation adjusts total expenditures to conform to the Executive's recommended funding levels, which are affordable within the CIP.

The section following this narrative only shows the project description forms (PDFs) for which the Executive recommends changes to the BOE's request. The complete BOE request can be found on the MCPS web site at [www.montgomeryschoolsmd.org/departments/planning/CIPMaster\\_Current2.shtml](http://www.montgomeryschoolsmd.org/departments/planning/CIPMaster_Current2.shtml).

## PROGRAM CONTACTS

Contact Adrienne Karamihas of the Montgomery County Public Schools at 240.314.1035 or Blaise DeFazio of the Office of Management and Budget at 240.777.2763 for more information about this agency's capital budget.

## CAPITAL PROGRAM REVIEW

### Board of Education Request

The Board's FY11-16 capital program request for MCPS totals \$1,493.8 million, a \$223.0 million or 17.5 percent increase from the amended FY09-14 capital program of \$1.271 million.

### Executive Recommendations

The Executive recommends \$1,484.6 million over the six-year CIP, which is 99.4 percent of the amount requested by the Board. The Executive will rely on the Board to determine how to revise its proposal to conform to the recommended funding levels.

### Highlights of Executive Recommendation

- Provide local funding of \$1,252.5 million, an increase of \$220.4 million or 21.4 percent compared to the FY09-14 amended CIP.
- Fund 99.4 percent of the six-year capital program requested by the Board of Education.
- Assume State support of \$230 million for public school projects over the six-year CIP.

### Highlights of Board Request

- Catch up with needed capacity by reopening two schools as holding schools and constructing eight elementary school additions, one high school addition, a new elementary school, and a new middle school.
- Increase six-year expenditures for school modernization by \$46.9 million or seven percent compared to the FY09-14 amended CIP.
- Address countywide school needs by increasing resources for systemic projects, such as heating, ventilation, and air conditioning, restroom renovations, relocatable classrooms, technology modernization, and life-cycle asset replacement.
- Design the Clarksburg Depot Expansion and the Shady Grove Depot Replacement projects, addressing the inadequate space for school buses.

## PROGRAM EXPENDITURES

The County Executive reaffirms his commitment to preparing children to live and learn. Despite fiscal constraints faced by the County, the Executive is recommending 99.4 percent of the Board's request.

**Individual Schools**

The Executive supports the Board's capacity-related requests, which include constructing additions for eight elementary schools and one high school, opening a new elementary school, and reopening two schools as holding schools.

**Countywide Projects**

For the FY11-16 CIP, the Board has requested \$712.7 million for its school modernization program. The Board proposal results in an average expenditure level per year of \$118.8 million, an increase of \$7.8 million per year or seven percent over the current approved average annual expenditure level. The following table shows annual funding for modernizations since FY97.

**Modernization Funding (\$000s)**

Six-Year CIP	Average Per Year	Six-Year Total
FY97-02 Amended	36,519	219,112
FY99-04 Amended	45,893	275,360
FY01-06 Amended	59,887	359,319
FY03-08 Amended	39,282	235,691
FY05-10 Amended	48,569	291,413
FY07-12 Amended	92,119	552,716
FY09-14 Amended	110,966	665,796
FY11-16 Request	118,784	712,703
<i>Change from FY09-14 Amended</i>	<i>7,818</i>	<i>46,907</i>

**PROGRAM FUNDING**

The MCPS capital program would be funded using \$957.7 million of County bonds; \$296.9 million of other local resources including current revenue, recordation tax, schools impact tax, and federal funding; and \$230 million of State aid. The table following this narrative compares funding sources for the amended FY09-14 Capital Program to the FY11-16 Board request and Executive recommendation.

**County General Obligation Bonds**

The Board's request includes large increases in general obligation bond expenditures throughout the six-year program. The Executive recommendation provides a level of general obligation bond-funded expenditures which, when combined with proposals of all agencies, is consistent with Spending Affordability Guidelines (SAG) set by the Council. The Executive recommends bond funding of \$957.7 million over six years, which reflects the resources available within the CIP. This represents an increase of \$217.8 million or 29.4 percent compared to the amended FY09-14 capital program, including an allocation of approximately 58% of planned FY11 general obligation bond issues.

**Other County Resources**

The Executive's recommendation includes \$124.4 million in current revenue over the six-year CIP. His proposal also assumes \$114.8 million in recordation tax, \$55.5 million of school impact tax, and \$2.1 in federal funds during FY11-16. Any further downturns in the County's housing market could negatively impact these revenue assumptions.

**State Aid**

Support for BOE initiatives is contingent on a successful County effort to secure State aid for school construction over the next six years. The Executive's recommendation assumes \$230 million of State aid over six years with \$30 million in FY11. The following table compares the annual amount of State aid requested by MCPS to the amount finally approved since 1997.

**State Aid Funding (\$millions)**

Fiscal Year	State Aid Requested	State Aid Approved
FY97	70.1	36.0
FY98	72.7	37.9
FY99	68.8	50.0
FY00	57.5	50.2
FY01	59.0	50.0
FY02	55.7	44.4
FY03	22.1	18.0
FY04	18.5	10.6
FY05	59.9	9.0
FY06	126.2	30.4
FY07	125.2	40.1
FY08	134.0	52.3
FY09	132.7	46.3
FY10	113.8	28.4
FY11 Rec.	139.1	N/A

Montgomery County has requested \$139.1 million of State funding in FY11 for 23 construction projects and 16 systems renovation projects. A chart at the end of this chapter presents FY11-16 budget assumptions and projects likely to require State aid.

The State's Interagency Committee on School Construction (IAC) made a preliminary recommendation on December 9, 2009, to the State Board of Public Works (BPW) for \$20.1 million of State aid for Montgomery County in FY11. The table presented below shows details by project. The BPW will make final allocations in the Spring of 2010 after the end of the Maryland General Assembly session.

The Executive will vigorously pursue State aid for all eligible projects and urges the Board, the Council, the County



Delegation, and the community to request that the State fully fund the County's State aid request.

**FY11 State Aid for School Construction  
(\$000)**

Project by Category	Total Est.	FY11		Balance
	Cost	Request	IAC Rec.	
<b>Construction:</b>				
Francis Scott Key MS	43,604	10,822	1,310	9,512
Subtotal, Construction	43,604	10,822	1,310	9,512
<b>Planning &amp; Construction:</b>				
Bells Mill ES	23,631	8,335	7,460	875
Brookhaven ES	7,919	1,192		1,192
Cabin John MS	44,072	18,486		18,486
Cannon Road ES	24,260	3,857		3,857
Carderock Springs ES	23,187	5,878		5,878
Cashell ES	19,810	6,710	3,592	3,118
Cresthaven ES	25,549	7,586	5,957	1,729
East Silver Spring ES	12,298	1,718		1,718
Fairland ES	7,729	1,852		1,852
Farmland ES	21,482	12,090		12,090
Fox Chapel ES	12,331	3,444		3,444
Garrett Park ES	28,266	3,416		3,416
Harmony Hills ES	9,849	2,348		2,348
Jackson Road ES	11,036	2,487		2,487
Montgomery Knolls ES	11,511	2,474		2,474
Paint Branch HS	111,485	18,378		18,378
Poolesville HS	9,118	3,081		3,081
Redland MS	14,233	4,044		4,044
Rock View ES	8,105	1,938		1,938
Sevan Locks ES	20,950	5,447		5,447
Shenwood ES	7,447	966		966
Takoma Park	15,592	4,622		4,622
Whetstone ES	8,929	1,795		1,795
Subtotal, Plan. & Construct.	478,796	122,142	16,909	105,233
<b>Countywide:</b>				
Roof Replacement	4,490	2,197		2,197
HVAC/Electrical Replacement	8,100	3,966	1,841	2,125
Subtotal, Countywide	12,590	6,163	1,841	4,322
<b>Total, All Projects</b>	<b>534,990</b>	<b>139,127</b>	<b>20,060</b>	<b>119,067</b>

**GROWTH POLICY**

Article II of Chapter 33A-15 of the Montgomery County Code requires that, no later than November 15 in odd-numbered years, the County Council adopt the County's Growth Policy. The Growth Policy is the tool used to ensure that approvals of new subdivisions are commensurate with adequate transportation and school facilities. For the purposes of public school analysis and local area review of school facilities at time of subdivision, the County has been divided into 25 sectors which reflect the service areas of each of the MCPS high schools, including the middle schools and elementary schools which feed students to these high schools. These sectors are called "clusters."

The current Growth Policy test of school adequacy applies to requests for residential subdivisions that have been filed with the Planning Board since January 1, 2009, and assesses school capacity five years in the future in each of the clusters. For each school level, the total projected enrollment of all schools in the cluster is compared to total school capacity in the future, including the additional capacity that will be built if the County

Council approves the recommended CIP. The Growth Policy test calculates a fixed structural capacity for schools. It assumes a class size of 22 for all-day kindergarten, 23 for elementary grades, and 25 for secondary grades. This measure does not count relocatable classrooms in computing capacity.

Clusters where enrollment is projected to be above 120 percent of program capacity are placed in development moratorium, which would apply to any residential subdivision plan that had not received approval from the Planning Board as of July 1, 2010, in the case of the FY11 school test. Clusters where enrollment is projected to be above 105 percent of program capacity, but not over 120 percent, are identified as requiring a special school facility payment from developers who choose to submit subdivision plans in these areas.

The tables that appear at the end of this chapter present the outcome of the Growth Policy test based on the Board's requested FY11-16 CIP. The application of the school test produces a moratorium in the Richard Montgomery cluster. The school test also requires a school facilities payment at the high school level in the Wootton cluster; at the middle school level in the Bethesda-Chevy Chase, Northwest, and Whitman clusters; and at the elementary level in the following clusters: Bethesda-Chevy Chase, Northwest, Northwood, Paint Branch, Quince Orchard, and Rockville.

**OPERATING BUDGET IMPACT**

Operating budget impacts measure resources needed to maintain or operate new or modernized facilities. They include such elements as salaries for administrators and building service workers and the cost of energy. They do not reflect teacher salaries because it is assumed that teachers already on staff would be transferred to fill positions in new schools.

According to MCPS standards and using FY11 dollars, each new 740 student elementary school will require approximately \$2.4 million in additional operating costs for the first year. These costs include salaries for 18.2 workyears of non-classroom positions. Each new 1,000 student middle school will require approximately \$4.3 million in additional operating costs for the first year. These costs include salaries for 37.8 workyears of non-classroom positions. A new 2,000 student high school is estimated to require approximately \$7.8 million in additional operating costs for the first year. These costs include salaries for 70.1 workyears of non-classroom positions.

**STATUTORY AUTHORITY**

Titles 3, 4, and 5 of the Education Article, Annotated Code of Maryland, govern the establishment of county boards of education, local school administration, and financing. Each county board is to maintain throughout its county a reasonably uniform system of public schools that is designed to provide quality education and equal educational opportunities for all



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children. Subtitle 3 of Title 5, State Aid for School Construction, provides for payment of certain public school construction and capital improvement costs by the State through its Public School Construction Program. The CIP review process for the public schools is governed by laws and regulations of the State of Maryland, the Montgomery County Charter, and the Board of Education's Policy on Long-Range Educational Facilities Planning.

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### FY11-16 Budgetary Assumptions of State Aid for School Construction (\$000s)

Projects by Category & Priority	FY10	FY11-16	FY11	FY12	FY13	FY14	FY15	FY16
<b>Construction Funding</b>								
Francis Scott Key MS	4,979	10,822	10,822					
<i>Subtotal, Construction</i>	4,979	10,822	10,822	-	-	-	-	-
<b>Planning &amp; Construction</b>								
T.W. Pyle MS	121	-						
Galway ES	4,795	-						
Walter Johnson HS	13,595	-						
Bells Mill ES		8,335	8,335					
Brookhaven ES		1,192	1,192					
Cabin John MS		18,486	18,486					
Cannon Road ES		7,713	3,857	3,856				
Carderock Springs ES		5,876	5,876					
Cashell ES		6,710	6,710					
Cresthaven ES		7,586	7,586					
East Silver Spring ES		1,718	1,718					
Fairland ES		1,852	1,852					
Farmland ES		12,090	12,090					
Fox Chapel ES		3,444	3,444					
Garrett Park ES		6,831	3,416	3,415				
Harmony Hills ES		2,348	2,348					
Jackson Road ES		2,487	2,487					
Montgomery Knolls ES		2,474	2,474					
Paint Branch HS		36,756	18,378	18,378				
Poolesville HS		3,081	3,081					
Redland MS		4,044	4,044					
Rock View ES		1,938	1,938					
Seven Locks ES		5,447	5,447					
Sherwood ES		966	966					
Takoma Park		4,622	4,622					
Whetstone ES		1,795	1,795					
Downcounty Consortium ES #29		8,329		4,165	4,164			
Beverly Farms ES		8,527		4,264	4,263			
Glenallen ES		9,208		4,604	4,604			
Herbert Hoover MS		17,351		8,676	8,675			
Weller Road ES		6,907		3,454	3,453			
Gaithersburg HS		37,003		18,502	18,501			
Bel Pre ES		12,833			6,417	6,416		
Candelwood ES		12,955			6,478	6,477		
Rock Creek Forest ES		14,438			7,219	7,219		
Wheaton HS		54,175			27,088	27,087		
William H. Farquhar MS		26,533			13,267	13,266		
Brown Station ES		12,850				6,425	6,425	
Wayside ES		10,580				5,290	5,290	
Wheaton Woods ES		13,704				6,852	6,852	
Seneca Valley HS		56,814				28,407	28,407	
Luxmanor ES		13,810					6,905	6,905
Maryvale ES		30,842					15,421	15,421
Potomac ES		13,074					6,537	6,537
Tilden @ Woodward MS		27,010					13,505	13,505
Wootton HS		28,271						28,271
<i>Subtotal, Planning and Construction</i>	18,511	563,005	122,142	69,314	104,129	107,439	89,342	70,639
<b>Countywide Projects</b>								
Roof Replacement	2,961	2,197	2,197					
HVAC/Electrical Replacement	1,899	3,966	3,966					
Systemic Projects (Outyears)	-	15,000	-	3,000	3,000	3,000	3,000	3,000
<i>Subtotal, Countywide</i>	4,860	21,163	6,163	3,000	3,000	3,000	3,000	3,000
<b>Total, All Projects</b>	<b>28,350</b>	<b>594,990</b>	<b>139,127</b>	<b>72,314</b>	<b>107,129</b>	<b>110,439</b>	<b>92,342</b>	<b>73,639</b>
<b>Offset (*)</b>	<b>-</b>	<b>(364,990)</b>	<b>(109,127)</b>	<b>(32,314)</b>	<b>(67,129)</b>	<b>(70,439)</b>	<b>(52,342)</b>	<b>(33,639)</b>
<b>Total State Aid Assumed</b>	<b>28,350</b>	<b>230,000</b>	<b>30,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>

**Notes:**

[1] This chart reflects outyear State aid estimates from the MCPS November 2009 request to the State. Future annual request levels for State aid will be based on State eligibility requirements and may exceed the amounts shown. In addition, anticipated changes to State funding formulas will affect amounts requested.

[2] Projects shown beyond FY11 do not yet have construction dollars approved. Expected funding requests are shown here.

[\*] Offset reconciles specified project total costs with assumed State funding levels.

(13)

**Summary of School Test for FY 2011**  
 Based on BOE Requested FY 2011–2016 CIP  
 Would Be Effective July 1, 2010

School Test Level	Description	Cluster Outcomes by Level		
		Elementary Inadequate	Middle Inadequate	High Inadequate
<u>Clusters over 105% utilization</u>  School facility payment required in inadequate clusters to proceed.	5-year test Effective July 1, 2010  Test year 2015-16	B-CC (108.6%) Northwest (119.1%) Northwood (118.8%) Paint Branch (105.5%) Quince Orchard (111.7%) Rockville (114.2%)	B-CC (114.9%) Northwest (105.6%) Whitman (107.8%)	Wootton (107.8%)
<u>Clusters over 120% utilization</u>  Moratorium required in clusters that are inadequate.	5-year test Effective July 1, 2010  Test year 2015-16	Richard Montgomery (126.5%)		

**FY 2011 Growth Policy School Test: Cluster Percent Utilizations in 2015**  
**Reflects BOE's Requested FY 2011-2016 Capital Improvements Program (CIP)**  
**Would be Effective July 1, 2010**

**Elementary School Enrollment**

Cluster Area	Projected August 2015 Enrollment	100% MCPS Program Capacity With BOE Requested FY11-16 CIP	Percent Utilization in 2015	Growth Policy Test Result Capacity is:	Cluster status?
<b>B- CC</b>	<b>3,606</b>	<b>3,321</b>	<b>108.6%</b>	<b>Inadequate</b>	<b>School Facility Payment</b>
Blair	4,061	4,368	93.0%	Adequate	Open
Blake	2,516	2,508	100.3%	Adequate	Open
Churchill	2,636	2,728	96.6%	Adequate	Open
Clarksburg	3,772	3,919	96.2%	Adequate	Open
Damascus	1,920	2,075	92.5%	Adequate	Open
Einstein	2,625	2,723	96.4%	Adequate	Open
Gaithersburg	3,879	3,898	99.5%	Adequate	Open
Walter Johnson	3,728	3,706	100.6%	Adequate	Open
Kennedy	2,650	2,858	92.7%	Adequate	Open
Magruder	2,577	2,635	97.8%	Adequate	Open
<b>R. Montgomery</b>	<b>2,697</b>	<b>2,132</b>	<b>126.5%</b>	<b>Inadequate</b>	<b>Moratorium</b>
<b>Northwest</b>	<b>4,297</b>	<b>3,609</b>	<b>119.1%</b>	<b>Inadequate</b>	<b>School Facility Payment</b>
<b>Northwood</b>	<b>3,067</b>	<b>2,581</b>	<b>118.8%</b>	<b>Inadequate</b>	<b>School Facility Payment</b>
<b>Paint Branch</b>	<b>2,441</b>	<b>2,313</b>	<b>105.5%</b>	<b>Inadequate</b>	<b>School Facility Payment</b>
Poolesville	522	755	69.1%	Adequate	Open
<b>Quince Orchard</b>	<b>2,992</b>	<b>2,679</b>	<b>111.7%</b>	<b>Inadequate</b>	<b>School Facility Payment</b>
<b>Rockville</b>	<b>2,531</b>	<b>2,216</b>	<b>114.2%</b>	<b>Inadequate</b>	<b>School Facility Payment</b>
Seneca Valley	2,262	2,173	104.1%	Adequate	Open
Sherwood	2,050	2,408	85.1%	Adequate	Open
Springbrook	3,027	3,188	94.9%	Adequate	Open
Watkins Mill	2,629	2,769	94.9%	Adequate	Open
Wheaton	2,863	2,792	102.5%	Adequate	Open
Whitman	2,464	2,367	104.1%	Adequate	Open
Wootton	2,922	3,118	93.7%	Adequate	Open

Status of each cluster assumes current threshold for school facility payment (utilization >105%), and moratorium (utilization >120%)

39-7

15

# FY 2011 Growth Policy School Test: Cluster Percent Utilizations in 2015

Reflects BOE's Requested FY 2011-2016 Capital Improvements Program (CIP)

Would be Effective July 1, 2010

## Middle School Enrollment

Cluster Area	Projected August 2015 Enrollment	100% MCPS Program Capacity With BOE Requested FY11-16 CIP	Percent Utilization in 2015	Growth Policy Test Result Capacity is:	Cluster Status?
<b>B- CC</b>	<b>1,192</b>	<b>1,037</b>	<b>114.9%</b>	<b>Inadequate</b>	<b>School Facility Payment</b>
Blair	2,111	2,266	93.2%	Adequate	Open
Blake	1,189	1,329	89.5%	Adequate	Open
Churchill	1,433	1,609	89.1%	Adequate	Open
Clarksburg	1,547	2,113	73.2%	Adequate	Open
Damascus	865	954	90.7%	Adequate	Open
Einstein	1,317	1,460	90.2%	Adequate	Open
Gaithersburg	1,638	1,751	93.5%	Adequate	Open
Walter Johnson	1,760	1,852	95.0%	Adequate	Open
Kennedy	1,201	1,356	88.6%	Adequate	Open
Magruder	1,155	1,616	71.5%	Adequate	Open
<b>R. Montgomery</b>	<b>1,154</b>	<b>986</b>	<b>117.0%</b>	<b>Inadequate</b>	<b>In Moratorium at ES Level</b>
<b>Northwest</b>	<b>2,079</b>	<b>1,968</b>	<b>105.6%</b>	<b>Inadequate</b>	<b>School Facility Payment</b>
Northwood	1,152	1,362	84.6%	Adequate	Open
Paint Branch	1,248	1,271	98.2%	Adequate	Open
Poolesville	238	480	49.6%	Adequate	Open
Quince Orchard	1,389	1,648	84.3%	Adequate	Open
Rockville	980	981	99.9%	Adequate	Open
Seneca Valley	1,201	1,464	82.0%	Adequate	Open
Sherwood	1,127	1,476	76.4%	Adequate	Open
Springbrook	1,162	1,230	94.5%	Adequate	Open
Watkins Mill	1,232	1,251	98.5%	Adequate	Open
Wheaton	1,549	1,646	94.1%	Adequate	Open
<b>Whitman</b>	<b>1,347</b>	<b>1,250</b>	<b>107.8%</b>	<b>Inadequate</b>	<b>School Facility Payment</b>
Wootton	1,516	1,606	94.4%	Adequate	Open

Status of each cluster assumes current threshold for school facility payment (utilization >105%), and moratorium (utilization >120%)

89-8

16

# FY 2011 Growth Policy School Test: Cluster Percent Utilizations in 2015

Reflects BOE's Requested FY 2011-2016 Capital Improvements Program (CIP)

Would be Effective July 1, 2010

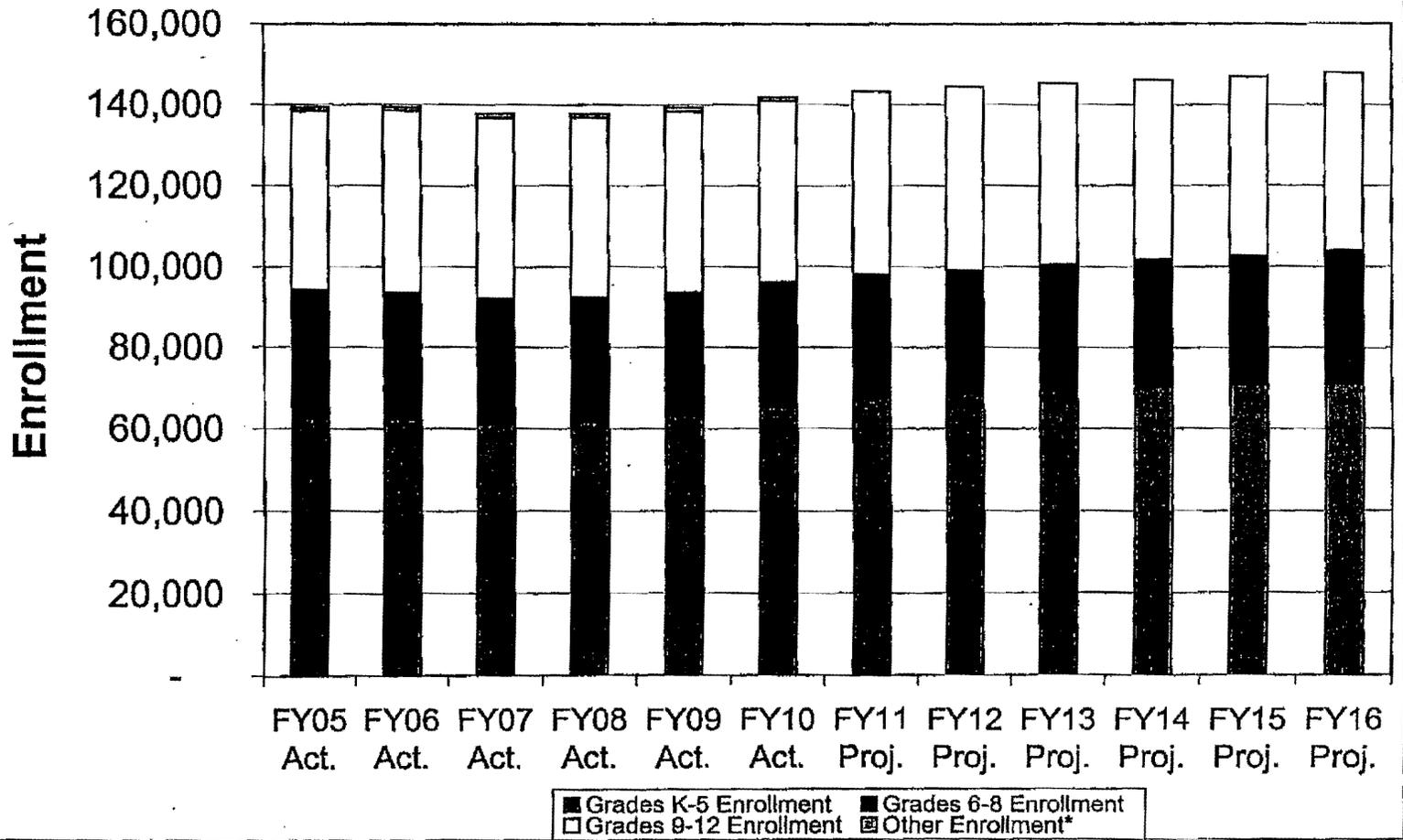
## High School Enrollment

Cluster Area	Projected August 2015 Enrollment	100% MCPS Program Capacity With BOE Requested FY11-16 CIP	Percent Utilization in 2015	Growth Policy Test Result Capacity is:	Cluster status?
B-CC	1,723	1,656	104.0%	Adequate	Open
Blair	2,515	2,839	88.6%	Adequate	Open
Blake	1,787	1,724	103.7%	Adequate	Open
Churchill	1,907	1,928	98.9%	Adequate	Open
Clarksburg	1,979	1,971	100.4%	Adequate	Open
Damascus	1,310	1,532	85.5%	Adequate	Open
Einstein	1,593	1,570	101.5%	Adequate	Open
Gaithersburg	1,948	2,284	85.3%	Adequate	Open
Walter Johnson	2,173	2,230	97.4%	Adequate	Open
Kennedy	1,557	1,847	84.3%	Adequate	Open
Magruder	1,678	1,919	87.4%	Adequate	Open
R. Montgomery	1,846	1,957	94.3%	Adequate	<b>In Moratorium at ES Level</b>
Northwest	2,200	2,151	102.3%	Adequate	Open
Northwood	1,439	1,481	97.2%	Adequate	Open
Paint Branch	1,801	1,899	94.8%	Adequate	Open
Poolesville	1,087	1,107	98.2%	Adequate	Open
Quince Orchard	1,767	1,741	101.5%	Adequate	Open
Rockville	1,334	1,539	86.7%	Adequate	Open
Seneca Valley	1,334	1,491	89.5%	Adequate	Open
Sherwood	1,789	2,004	89.3%	Adequate	Open
Springbrook	1,600	2,090	76.6%	Adequate	Open
Watkins Mill	1,615	1,885	85.7%	Adequate	Open
Wheaton	1,284	1,416	90.7%	Adequate	Open
Whitman	1,830	1,873	97.7%	Adequate	Open
Wootton	2,235	2,073	107.8%	Inadequate	<b>School Facility Payment</b>

Status of each cluster assumes current threshold for school facility payment (utilization >105%), and moratorium (utilization >120%)

6-69

### MCPS Enrollment by School Level



\*Other Enrollment\* Includes Special Program Centers, Alternative Programs, and Gateway to College. These programs are combined with grade enrollment projections for FY11-16.

(Handwritten mark)

## MCPS Affordability Reconciliation – No. 056516

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Miscellaneous Projects  
Public Schools  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

January 20, 2010  
No  
None.  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	-9,171	0	0	-9,171	-2,196	-25,452	16,715	4,462	-1,380	-1,320	0
<b>Total</b>	<b>-9,171</b>	<b>0</b>	<b>0</b>	<b>-9,171</b>	<b>-2,196</b>	<b>-25,452</b>	<b>16,715</b>	<b>4,462</b>	<b>-1,380</b>	<b>-1,320</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

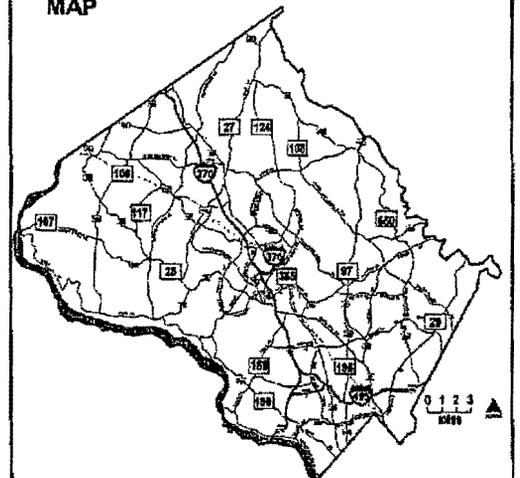
Current Revenue: General	-10,451	0	0	-10,451	-2,196	-2,895	-1,255	-1,405	-1,380	-1,320	0
Current Revenue: Recordation Tax	43,800	0	0	43,800	0	0	0	0	21,900	21,900	0
G.O. Bonds	-7,027	0	0	-7,027	12,376	-9,063	32,404	21,706	-31,900	-32,550	0
Schools Impact Tax	-35,493	0	0	-35,493	-12,376	-13,494	-14,434	-15,839	10,000	10,650	0
<b>Total</b>	<b>-9,171</b>	<b>0</b>	<b>0</b>	<b>-9,171</b>	<b>-2,196</b>	<b>-25,452</b>	<b>16,715</b>	<b>4,462</b>	<b>-1,380</b>	<b>-1,320</b>	<b>0</b>

#### DESCRIPTION

This project reconciles the Board of Education request with the Executive's recommendation.

The Executive's priority of educational excellence has resulted in his supporting over 99 percent of the Board's total request over the six-year period. Fiscal constraints lead the Executive to adjust the annual amounts to be affordable within the CIP. The Executive recommends following the Spending Affordability Guidelines approved by the County Council in October 2009. The Executive will rely on the Board to determine how to revise the school construction schedule to conform to the recommended funding levels.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP
Date First Appropriation	FY01	(\$000)
First Cost Estimate		
Current Scope	FY01	0
Last FY's Cost Estimate		0
Appropriation Request	FY11	-2,196
Appropriation Request Est.	FY12	-2,895
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0



Recommended

## State Aid Reconciliation -- No. 896536

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Miscellaneous Projects  
Public Schools  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

January 08, 2010  
No  
None.  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	-273,912	-43,912	0	-230,000	-30,000	-40,000	-40,000	-40,000	-40,000	-40,000	0
State Aid	273,912	43,912	0	230,000	30,000	40,000	40,000	40,000	40,000	40,000	0
<b>Total</b>	<b>0</b>										

**DESCRIPTION**

This project shows assumed state aid for FY 2011 and beyond. When actual state aid is known for specific projects, the amount of such aid is shown in those projects and then this PDF is zeroed out for the budget year.

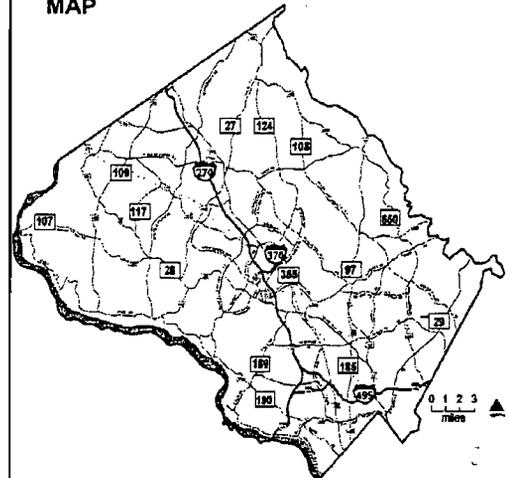
**OTHER DISCLOSURES**

- MCPS asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY	(\$000)
First Cost Estimate		
Current Scope	FY98	0
Last FY's Cost Estimate		0
Appropriation Request	FY11	0
Appropriation Request Est.	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	50,900
New Partial Closeout	FY09	0
Total Partial Closeout		50,900

**COORDINATION**

**MAP**



20

# ADA Compliance: MCPS -- No. 796235

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

October 21, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	2,249	0	275	1,974	329	329	329	329	329	329	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	9,909	3,090	793	6,026	1,671	871	871	871	871	871	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>12,158</b>	<b>3,090</b>	<b>1,068</b>	<b>8,000</b>	<b>2,000</b>	<b>1,200</b>	<b>1,200</b>	<b>1,200</b>	<b>1,200</b>	<b>1,200</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	12,158	3,090	1,068	8,000	2,000	1,200	1,200	1,200	1,200	1,200	0
<b>Total</b>	<b>12,158</b>	<b>3,090</b>	<b>1,068</b>	<b>8,000</b>	<b>2,000</b>	<b>1,200</b>	<b>1,200</b>	<b>1,200</b>	<b>1,200</b>	<b>1,200</b>	<b>0</b>

#### DESCRIPTION

Federal and State laws require MCPS to provide program accessibility for all of its activities and to consider various forms of accessibility improvements at existing facilities on a continuing basis. While MCPS provides program accessibility in a manner consistent with current laws, a significant number of existing facilities not scheduled for modernization in the current six-year CIP are at least partially inaccessible for a variety of disabling conditions. Some combination of elevators, wheelchair lifts, restroom modifications, and other site-specific improvements are required at many of these facilities. Since disabilities of eligible individuals must be considered on a case-by-case basis, additional modifications such as automatic door openers, access ramps, and curb cuts may be required on an ad hoc basis even in facilities previously considered accessible. The increased mainstreaming of special education students has contributed to modifications to existing facilities. Certain ADA modifications results in significant cost avoidance, since transportation may have to be provided for individuals to other venues or programs.

An FY 2009 appropriation was approved to continue this project at its current level of effort. An FY 2010 appropriation was approved to continue to provide ADA compliance modifications to schools throughout the school system. An FY 2011 appropriation is requested to continue to address requests for accessibility modifications, as well as provide proactive modifications to MCPS facilities. This PDF reflects an increase in expenditures for the six-year period to continue this project.

#### OTHER

ADA requirements are addressed in other projects, including many transportation and renovation projects.

#### FISCAL NOTE

State Reimbursement: Not eligible

- \* Expenditures will continue indefinitely.

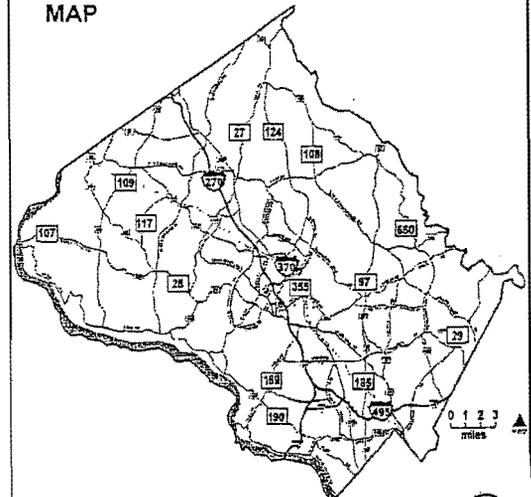
#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY79	(\$000)
First Cost Estimate	FY96	16,615
Current Scope		
Last FY's Cost Estimate		9,715
Appropriation Request	FY11	2,000
Appropriation Request Est.	FY12	1,200
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,158
Expenditures / Encumbrances		2,720
Unencumbered Balance		1,438
Partial Closeout Thru	FY08	15,931
New Partial Closeout	FY09	1,285
Total Partial Closeout		17,216

#### COORDINATION

Advisory Committee for the Handicapped

#### MAP





# Building Modifications and Program Improvements -- No. 076506

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 19, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	2,552	752	500	1,300	300	200	200	200	200	200	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	20,682	3,482	3,500	13,700	4,700	1,800	1,800	1,800	1,800	1,800	0
Other	150	150	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>23,384</b>	<b>4,384</b>	<b>4,000</b>	<b>15,000</b>	<b>5,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	23,384	4,384	4,000	15,000	5,000	2,000	2,000	2,000	2,000	2,000	0
<b>Total</b>	<b>23,384</b>	<b>4,384</b>	<b>4,000</b>	<b>15,000</b>	<b>5,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>0</b>

#### DESCRIPTION

This project will provide facility modifications to support program offerings at schools that are not scheduled for capital improvements in the six-year CIP. These limited modifications to instruction and support spaces are needed to provide adequate space for new or expanded programs and administrative support space for schools that are not included in the modernization program. The approved FY 2007 appropriation will be used to provide modifications to support the middle school magnet programs at A. Mario Loiederman and Argyle middle schools, administrative and guidance suite modifications at Poolesville High School, and various high school laboratory modifications throughout the county. Also, the FY 2007 appropriation will be used at Potomac Elementary School to provide minor modifications to the facility. An amendment to the FY 2007-2012 CIP in the amount of \$558,000 was approved to provide funding for modifications at Thomas S. Wootton High School to accommodate two new computer laboratories for the Academy of Information Technology.

An FY 2009 appropriation was approved to provide facility modifications for the following high schools to accommodate signature or academy programs: Northwest HS for a CISCO Academy Laboratory; Northwood HS for the Musical Dance Academy; Quince Orchard HS for a Digital Art/Music Laboratory; and Wheaton HS for the Project Lead the Way Biomedical Laboratory. The FY 2009 appropriation also will fund science laboratory improvements at Thomas Wootton, Bethesda-Chevy Chase, and Winston Churchill high schools. Also, the FY 2009 appropriation will fund building modifications for Bradley Hills ES, Roberto Clemente and A. Mario Loiederman middle schools, and Damascus, Thomas Edison, Quince Orchard, Wheaton and Thomas Wootton high schools.

An FY 2012 appropriation will be requested to continue to provide facility modifications at various schools throughout the system. Facility modifications in FY 2012 and beyond will be determined based on the need for space modifications/upgrades to support new or modified program offerings.

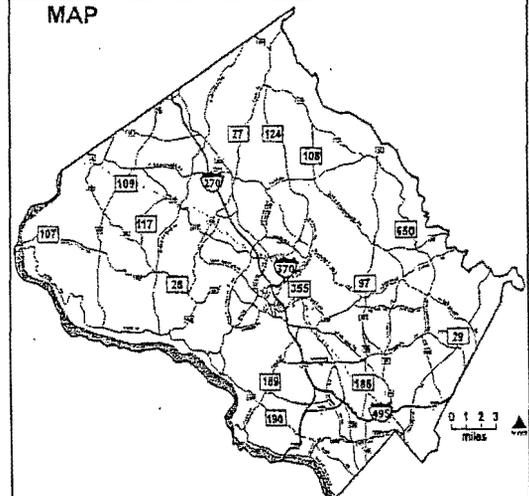
#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY07	(\$000)
First Cost Estimate		
Current Scope	FY07	0
Last FY's Cost Estimate		15,858
Appropriation Request	FY11	0
Appropriation Request Est.	FY12	2,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		13,384
Expenditures / Encumbrances		5,227
Unencumbered Balance		8,157
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	2,474
Total Partial Closeout		2,474

#### COORDINATION

Mandatory Referral - M-NCPPC  
Department of Environmental Protection  
Building Permits:  
Code Review  
Fire Marshall  
Department of Transportation  
Inspections  
Sediment Control  
Stormwater Management  
WSSC Permits

#### MAP



# Design and Construction Management -- No. 746032

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

October 21, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	46,375	12,475	4,500	29,400	4,900	4,900	4,900	4,900	4,900	4,900	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>46,375</b>	<b>12,475</b>	<b>4,500</b>	<b>29,400</b>	<b>4,900</b>	<b>4,900</b>	<b>4,900</b>	<b>4,900</b>	<b>4,900</b>	<b>4,900</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	46,375	12,475	4,500	29,400	4,900	4,900	4,900	4,900	4,900	4,900	0
<b>Total</b>	<b>46,375</b>	<b>12,475</b>	<b>4,500</b>	<b>29,400</b>	<b>4,900</b>	<b>4,900</b>	<b>4,900</b>	<b>4,900</b>	<b>4,900</b>	<b>4,900</b>	<b>0</b>

**DESCRIPTION**

This project funds positions essential for implementation of the multiyear capital improvements program. Personnel provide project administration, in-house design, and engineering services in the Department of Facilities Management and the Division of Construction.

An FY 2007 appropriation was approved to shift funds for one staff person and expenditures for legal fees and other non-reimbursable costs from the ALARF PDF to this project, as well as for salary step and COLA increases for current staff. An FY 2008 appropriation was approved for salary step and COLA increases for current staff. An FY 2009 appropriation was approved for legal fees and other non-reimbursable costs associated with MCPS real estate issues, salary step and COLA increases for current staff, and for two new positions in the Division of Construction. An FY 2010 appropriation was approved for salary step and COLA increases for current staff. An FY 2011 appropriation is requested for salary step and COLA increases for 41 current staff, legal fees and other non-reimbursable costs for MCPS real estate issues, as well as the transfer of three positions previously in the HVAC PDF.

**FISCAL NOTE**

State Reimbursement: Not eligible

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table border="1"> <tr> <td>Date First Appropriation</td> <td>FY74</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td></td> <td></td> </tr> <tr> <td>Current Scope</td> <td>FY96</td> <td>19,723</td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>34,975</td> </tr> </table>	Date First Appropriation	FY74	(\$000)	First Cost Estimate			Current Scope	FY96	19,723	Last FY's Cost Estimate		34,975	<p>Mandatory Referral - M-NCPPC Department of Environmental Protection Building Permits: Code Review Fire Marshall Department of Transportation Inspections Sediment Control Stormwater Management WSSC Permits</p>	
Date First Appropriation	FY74	(\$000)												
First Cost Estimate														
Current Scope	FY96	19,723												
Last FY's Cost Estimate		34,975												
<table border="1"> <tr> <td>Appropriation Request</td> <td>FY11</td> <td>4,900</td> </tr> <tr> <td>Appropriation Request Est.</td> <td>FY12</td> <td>4,900</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> </table>	Appropriation Request	FY11	4,900	Appropriation Request Est.	FY12	4,900	Supplemental Appropriation Request		0	Transfer		0	<p>(\$000)      FY 11      FYs 12-16</p> <p>Salaries and Wages:    3601      18005</p> <p>Fringe Benefits:        900        4500</p> <p>Workyears:              44           220</p>	
Appropriation Request	FY11	4,900												
Appropriation Request Est.	FY12	4,900												
Supplemental Appropriation Request		0												
Transfer		0												
<table border="1"> <tr> <td>Cumulative Appropriation</td> <td></td> <td>16,975</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>13,688</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>3,287</td> </tr> </table>	Cumulative Appropriation		16,975	Expenditures / Encumbrances		13,688	Unencumbered Balance		3,287					
Cumulative Appropriation		16,975												
Expenditures / Encumbrances		13,688												
Unencumbered Balance		3,287												
<table border="1"> <tr> <td>Partial Closeout Thru</td> <td>FY08</td> <td>55,502</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY09</td> <td>0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>55,502</td> </tr> </table>	Partial Closeout Thru	FY08	55,502	New Partial Closeout	FY09	0	Total Partial Closeout		55,502					
Partial Closeout Thru	FY08	55,502												
New Partial Closeout	FY09	0												
Total Partial Closeout		55,502												

# Energy Conservation: MCPS -- No. 796222

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

October 21, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	3,090	845	295	1,950	325	325	325	325	325	325	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	16,193	4,541	1,530	10,122	1,687	1,687	1,687	1,687	1,687	1,687	0
Other	615	300	45	270	45	45	45	45	45	45	0
<b>Total</b>	<b>19,898</b>	<b>5,686</b>	<b>1,870</b>	<b>12,342</b>	<b>2,057</b>	<b>2,057</b>	<b>2,057</b>	<b>2,057</b>	<b>2,057</b>	<b>2,057</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	19,898	5,686	1,870	12,342	2,057	2,057	2,057	2,057	2,057	2,057	0
<b>Total</b>	<b>19,898</b>	<b>5,686</b>	<b>1,870</b>	<b>12,342</b>	<b>2,057</b>	<b>2,057</b>	<b>2,057</b>	<b>2,057</b>	<b>2,057</b>	<b>2,057</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				-3,738	-748	-1,122	-498	-498	-498
Maintenance				-3,480	-348	-696	-1,044	-464	-464
<b>Net Impact</b>				<b>-7,218</b>	<b>-722</b>	<b>-1,444</b>	<b>-962</b>	<b>-962</b>	<b>-962</b>

#### DESCRIPTION

The MCPS Energy Conservation Program has saved more than \$34 million since the project began in FY 1978. The project has been reviewed by the Interagency Committee on Energy and Utility Management. The program is designed to reduce energy consumption by improving building mechanical systems, retrofitting building lighting and control systems, and controlling HVAC equipment through computer management systems. Computer systems currently control the operation of most MCPS facilities.

New and modernized schools are built with the latest technological advances to achieve higher levels of energy savings. Energy conservation staff review new construction mechanical guidelines and designs. Staff also inspect and perform computer diagnostics of HVAC installations for operational efficiency and review certain aspects of indoor air quality.

An FY 2005 appropriation was approved to continue this project. The increase in expenditures, beyond the level of effort for this project for FY 2005 and beyond, is due to the need to modernize energy management systems facing obsolescence. Of the over 170 installed energy management systems, many were installed in the 1980s, are approaching the end of their life-cycle, and replacement parts are no longer available. The approved FY 2005 appropriation and the FY 2006 appropriation include \$250K to complete pilot projects and select replacement technologies, including network and web interfaces. The expenditures shown for FY 2007 will achieve an economy of scale by bidding a large package of projects together. Expenditures shown over the six-year period will be used to complete the countywide lighting modernization program at the remaining 31 facilities. Expenditures shown for FY 2008-2010 will be used for the ongoing life-cycle replacement costs of energy management and control systems at over 170 facilities, to support the extension of the program to the remaining facilities, to support a planned program of water conservation projects, and to avoid future backlog in this area. An FY 2006 appropriation was approved to continue this project. An FY 2007 appropriation was approved to continue this project at its current level of effort. An FY 2008 appropriation was approved to continue this project at its current level of effort. An FY 2009 appropriation was approved to continue this project. An FY 2010 appropriation was approved to continue this project at its current level of effort.

An FY 2011 appropriation is requested to continue this project. Energy conservation capital improvements and construction projects are being installed in 20 to 30 schools each year. These projects require additional controls system integration outside the scope of the current budget. Of the 183 energy management system installations, 65 remain to be upgraded or replaced. Expenditures in the six-year period will address the controls system integration, the energy management system upgrades, and continue the countywide lighting modernization schedule.

- \* Expenditures will continue indefinitely.

#### APPROPRIATION AND EXPENDITURE DATA

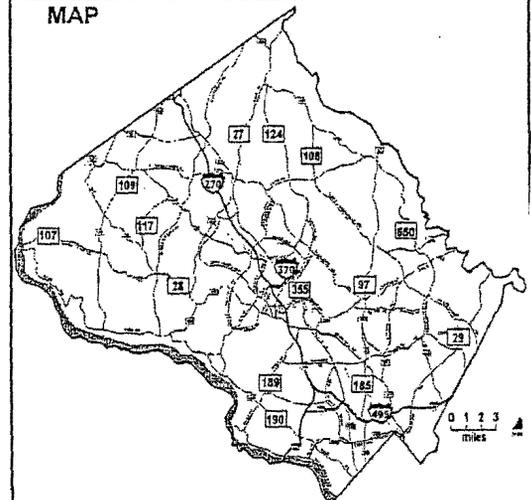
Date First Appropriation	FY79	(\$000)
First Cost Estimate		
Current Scope	FY96	8,061
Last FY's Cost Estimate		15,036
Appropriation Request	FY11	2,057
Appropriation Request Est.	FY12	2,057
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		7,556
Expenditures / Encumbrances		4,991
Unencumbered Balance		2,565
Partial Closeout Thru	FY08	19,208
New Partial Closeout	FY09	0
Total Partial Closeout		19,208

#### COORDINATION

Montgomery College  
County Government  
Comprehensive Facilities Plan  
Interagency Committee - Energy and Utilities  
Management  
MCPS Resource Conservation Plan  
County Code 8-14a

\$(000)	FY11	FY12-16
Salries and Wages:	93	465
Fringe Benefits:	33	165
Workyears:	1.5	7.5

#### MAP



25

# Fire Safety Code Upgrades -- No. 016532

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

October 21, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,690	650	200	840	140	140	140	140	140	140	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	6,787	2,182	543	4,062	677	677	677	677	677	677	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>8,477</b>	<b>2,832</b>	<b>743</b>	<b>4,902</b>	<b>817</b>	<b>817</b>	<b>817</b>	<b>817</b>	<b>817</b>	<b>817</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	8,477	2,832	743	4,902	817	817	817	817	817	817	0
<b>Total</b>	<b>8,477</b>	<b>2,832</b>	<b>743</b>	<b>4,902</b>	<b>817</b>	<b>817</b>	<b>817</b>	<b>817</b>	<b>817</b>	<b>817</b>	<b>0</b>

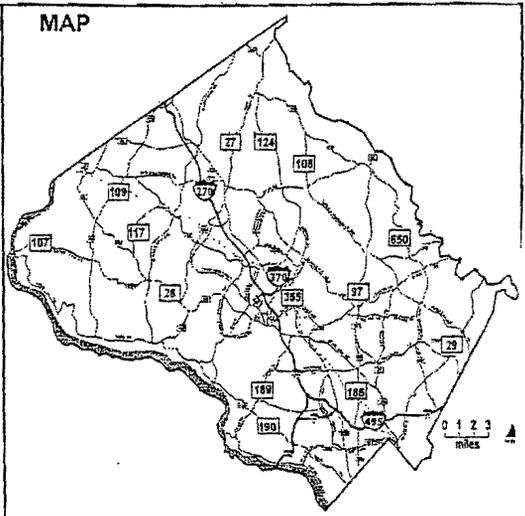
**DESCRIPTION**

This project addresses sprinklers, escape windows, exit signs, fire alarm devices, exit stairs, and hood and fire suppression systems to comply with annual Fire Marshal inspections.

An FY 2005 appropriation was approved to continue this project at its current level of effort in order to correct fire code violations or required code upgrades. An FY 2006 appropriation was approved to continue this project. An FY 2007 appropriation was approved to continue this project to complete the replacement of a large number of fire alarm systems throughout the school system that are obsolete and/or have far exceeded their anticipated life-cycle. An FY 2008 appropriation was approved to continue this project. Expenditures programmed for FY 2008-2012 will continue this replacement cycle. An FY 2009 appropriation was approved to continue this program at the current level of effort. An FY 2010 appropriation was approved to continue this project. An FY 2011 appropriation is requested to continue this program to maintain code compliance and life-cycle equipment replacement.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY01	(\$000)
First Cost Estimate	FY00	0
Current Scope		
Last FY's Cost Estimate		6,547
Appropriation Request	FY11	817
Appropriation Request Est.	FY12	817
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,575
Expenditures / Encumbrances		3,339
Unencumbered Balance		236
Partial Closeout Thru	FY08	7,451
New Partial Closeout	FY09	0
Total Partial Closeout		7,451

**COORDINATION**  
Fire Marshal



# HVAC (Mechanical Systems) Replacement -- No. 816633

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
On-going

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	10,500	0	1,000	9,500	1,500	2,000	1,500	1,500	1,500	1,500	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	104,680	10,180	9,000	85,500	13,500	18,000	13,500	13,500	13,500	13,500	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>115,180</b>	<b>10,180</b>	<b>10,000</b>	<b>95,000</b>	<b>15,000</b>	<b>20,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	113,281	10,180	8,101	95,000	15,000	20,000	15,000	15,000	15,000	15,000	0
State Aid	1,899	0	1,899	0	0	0	0	0	0	0	0
<b>Total</b>	<b>115,180</b>	<b>10,180</b>	<b>10,000</b>	<b>95,000</b>	<b>15,000</b>	<b>20,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>0</b>

### DESCRIPTION

This project provides for the systematic replacement of heating, ventilating, air conditioning, automated temperature controls, and plumbing systems for MCPS facilities. This replacement approach is based on indoor environmental quality (IEQ), energy performance, maintenance data, and the modernization schedule. Qualifying systems and/or components are selected based on the above criteria and are prioritized within the CIP through a rating system formula. MCPS is participating in interagency planning and review to share successful and cost effective approaches.

An FY 2005 appropriation was approved to continue to provide heating, ventilating, air conditioning, and plumbing system replacements in facilities that are not scheduled to be modernized. Increases in expenditures shown for FY 2005 and beyond reflect the need to address the backlog of HVAC projects, partially due to the delay in the modernization schedule. For FY 2005, an additional \$745,000 in state aid was included in this project as a result of federal funding, issued by the state, through the Qualified Zone Academy Bond (QZAB) program. An FY 2006 appropriation was approved to continue this project.

An FY 2007 appropriation was approved to continue this project. Expenditures shown in the adopted FY 2007-2012 CIP for this project have increased in order to address the backlog of HVAC projects, as well as the rise in construction costs. An FY 2007 Special Appropriation in the amount of \$160,000 was approved in this project as a result of federal funding, issued by the state, through the Qualified Zone Academy Bond (QZAB) program. An FY 2008 appropriation was approved to continue this level of effort project. An FY 2009 appropriation is requested to continue this level of effort project. An FY 2009 special appropriation of \$252,000 and an FY 2009 transfer of \$523,000 was approved by the County Council on January 27, 2009 for emergency repair work at five schools.

An FY 2010 appropriation and amendment to the FY 2009-2014 CIP was approved to provide an additional \$4.4 million beyond the \$5.6 million in the adopted CIP for this systemic project. The additional funding will begin to address the assessed backlog of HVAC projects that are vital to the successful operation of our school facilities. An FY 2011 appropriation is requested for mechanical systems upgrades and/or replacements at the following schools: Belmont, Cedar Grove, Clopper Mill, Dufief, Gaithersburg, Maryvale, and Wyngate elementary schools; Eastern, Banneker, and Silver Spring International middle schools; Montgomery Blair, Col. Zadok Magruder, Poolesville, and Wheaton/Edison high schools; and Northlake holding facility. The title of this PDF has been changed to more accurately reflect the work accomplished through this project.

### OTHER DISCLOSURES

- MCPS asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.
- \* Expenditures will continue indefinitely.

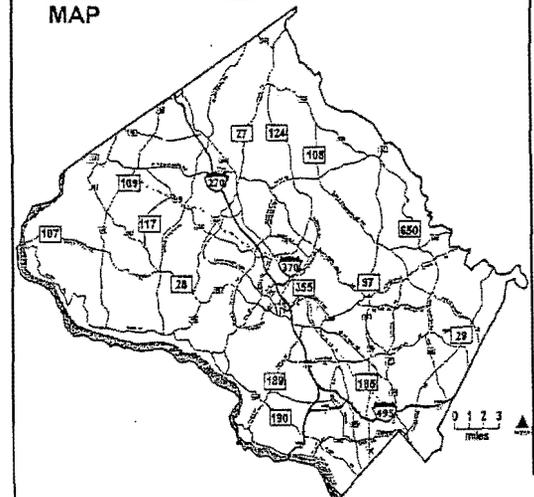
### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY81	(\$000)
First Cost Estimate	FY96	16,388
Current Scope		
Last FY's Cost Estimate		49,336
Appropriation Request	FY11	15,000
Appropriation Request Est.	FY12	20,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		20,180
Expenditures / Encumbrances		12,665
Unencumbered Balance		7,515
Partial Closeout Thru	FY08	45,642
New Partial Closeout	FY09	6,756
Total Partial Closeout		52,398

### COORDINATION

CIP Master Plan for School Facilities

### MAP



# Indoor Air Quality Improvements -- No. 006503

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 19, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	7,302	1,360	290	5,652	942	942	942	942	942	942	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	15,625	7,949	1,010	6,666	1,111	1,111	1,111	1,111	1,111	1,111	0
Other	210	0	0	210	35	35	35	35	35	35	0
<b>Total</b>	<b>23,137</b>	<b>9,309</b>	<b>1,300</b>	<b>12,528</b>	<b>2,088</b>	<b>2,088</b>	<b>2,088</b>	<b>2,088</b>	<b>2,088</b>	<b>2,088</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	23,137	9,309	1,300	12,528	2,088	2,088	2,088	2,088	2,088	2,088	0
<b>Total</b>	<b>23,137</b>	<b>9,309</b>	<b>1,300</b>	<b>12,528</b>	<b>2,088</b>	<b>2,088</b>	<b>2,088</b>	<b>2,088</b>	<b>2,088</b>	<b>2,088</b>	<b>0</b>

#### DESCRIPTION

This project funds mechanical retrofits and building envelope modifications necessary to address schools experiencing Indoor Air Quality (IAQ) problems. An FY 2000 Amendment funded improvements to schools needing major mechanical corrections and schools that required carpet removal, floor tile replacement, and minor mechanical retrofits. A feasibility study/assessment also was funded to determine the extent of IAQ problems in 50 schools based on reported IAQ incidents. MCPS reports periodically to the Education Committee on the status of this project.

An FY 2005 appropriation was approved to upgrade/replace HVAC systems at Fields Road Elementary School, William Farquhar and Benjamin Banneker middle schools, and Gaithersburg and Seneca Valley high schools. The FY 2005 appropriation also funded minor projects such as carpet removal, mechanical retrofits, and ventilation at various schools throughout the system. In the FY 2005-2010 CIP, the County Council approved a level of effort funding for the outyears of this project in order to adequately illustrate that this project will continue for the foreseeable future. An FY 2005 Special Appropriation in the amount of \$1.6 million was approved by the County Council for lead abatement to enable MCPS to develop specific remediation and work plans for schools that have complete test results and lead source assessment. Funds approved in FYs 2006-2010 were used to address indoor air quality issues systemwide.

An FY 2011 appropriation is requested to continue to address indoor air quality issues through various remediation efforts including carpet removal, floor tile replacement, and minor mechanical retrofits. The title of this PDF was change to more accurately reflect the work accomplished in this project.

Note: This project will continue indefinitely

#### FISCAL NOTE

State reimbursement: not eligible

#### APPROPRIATION AND EXPENDITURE DATA

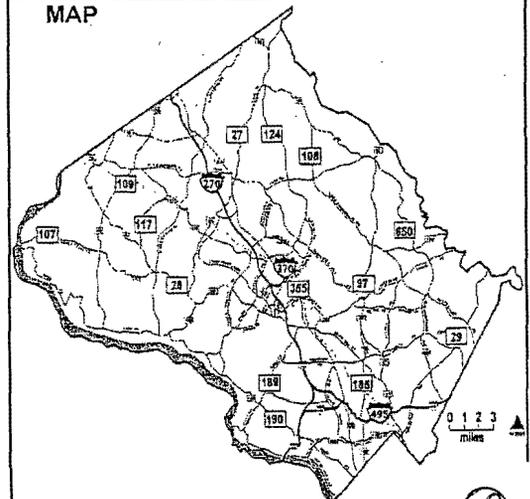
Date First Appropriation	FY99	(\$000)
First Cost Estimate		
Current Scope	FY02	3,800
Last FY's Cost Estimate		15,809
Appropriation Request	FY11	2,088
Appropriation Request Est.	FY12	2,088
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		10,609
Expenditures / Encumbrances		7,324
Unencumbered Balance		3,285
Partial Closeout Thru	FY08	8,091
New Partial Closeout	FY09	0
Total Partial Closeout		8,091

#### COORDINATION

Department of Environmental Protection  
Department of Health and Human Services  
American Lung Association

	FY 11	FY 12-16
Salaries and Wages	591	2,955
Fringe Benefits	225	1,125
Workyears:	11	55

#### MAP



## Improved (Safe) Access to Schools -- No. 975051

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

October 21, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,050	0	350	700	350	350	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	5,187	2,637	850	1,700	850	850	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>6,237</b>	<b>2,637</b>	<b>1,200</b>	<b>2,400</b>	<b>1,200</b>	<b>1,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	6,237	2,637	1,200	2,400	1,200	1,200	0	0	0	0	0
<b>Total</b>	<b>6,237</b>	<b>2,637</b>	<b>1,200</b>	<b>2,400</b>	<b>1,200</b>	<b>1,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

This project addresses vehicular and pedestrian access to schools. It may involve the widening of a street or roadway, obtaining rights-of-way for school access or exit, or changing or adding entrance/exits at various schools. These problems may arise at schools where there are no construction projects or DOT road projects that could fund the necessary changes.

An FY 2007 appropriation was approved to continue this project. An FY 2008 appropriation was approved to continue to address access, circulation, and vehicular and pedestrian traffic issues at schools throughout the county. For the FY 2009-2014 CIP, the Board of Education approved a \$400,000 increase for each fiscal year of the six-year CIP beyond the approved expenditures in the Amended FY 2007-2012 CIP. On May 22, 2008, the County Council, in the adopted FY 2009-2014 CIP, reduced the Board of Education's request by \$200,000 for each year fiscal year. An FY 2009 appropriation was approved to continue this project. An FY 2010 appropriation was approved to continue this level of effort project.

An FY 2011 appropriation is requested to address access, circulation, and vehicular and pedestrian traffic issues at schools throughout the county. Expenditures are shown for only the first two years of the CIP. Funding beyond the first two years will be reviewed during each on-year of the CIP cycle.

#### FISCAL NOTE

State Reimbursement: not eligible

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION STEP Committee	MAP
Date First Appropriation	FY97	
First Cost Estimate		
Current Scope	FY97	
Last FY's Cost Estimate	10,010	
Appropriation Request	FY11	
Appropriation Request Est.	FY12	
Supplemental Appropriation Request	0	
Transfer	0	
Cumulative Appropriation	3,837	
Expenditures / Encumbrances	2,042	
Unencumbered Balance	1,795	
Partial Closeout Thru	FY08	
New Partial Closeout	FY09	
Total Partial Closeout	11,647	

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# Planned Life Cycle Asset Repl: MCPS -- No. 896586

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
On-going

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	4,840	0	400	4,440	740	740	740	740	740	740	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	9,451	1,898	653	6,900	1,150	1,150	1,150	1,150	1,150	1,150	0
Construction	47,458	16,677	5,143	25,638	4,273	4,273	4,273	4,273	4,273	4,273	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>61,749</b>	<b>18,575</b>	<b>6,196</b>	<b>36,978</b>	<b>6,163</b>	<b>6,163</b>	<b>6,163</b>	<b>6,163</b>	<b>6,163</b>	<b>6,163</b>	<b>*</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	56,994	14,574	5,442	36,978	6,163	6,163	6,163	6,163	6,163	6,163	0
Qualified Zone Academy Funds	4,152	4,001	151	0	0	0	0	0	0	0	0
Aging School Program	603	0	603	0	0	0	0	0	0	0	0
<b>Total</b>	<b>61,749</b>	<b>18,575</b>	<b>6,196</b>	<b>36,978</b>	<b>6,163</b>	<b>6,163</b>	<b>6,163</b>	<b>6,163</b>	<b>6,163</b>	<b>6,163</b>	<b>0</b>

### DESCRIPTION

This project funds a comprehensive and ongoing plan to replace key facility and site components based on an inventory of their age and conditions. A comprehensive inventory of all such components has been assembled so that replacements can be anticipated and accomplished in a planned and orderly manner. Facility components included in this project are code corrections, physical education facility/field improvements, school facility exterior resurfacing, partitions, doors, lighting, media center security gates, bleachers, communication systems, and flooring.

An FY 2008 transfer of \$1.080 million was approved to to expand the freezer capacity of the Central Food Production Facility, as well as address the electrical needs for the existing data center at CESC. An FY 2008 Special Appropriation in the amount of \$620,000 was approved as a result of federal funding, issued by the state, through the Qualified Zone Academy Bond (QZAB) program/Aging Schools Program (ASP). Also, an FY 2008 Special Appropriation in the amount of \$821,000 was approved as a result of federal funding, issued by the state, through the Qualified Academy Bond (QZAB) program. For the FY 2009-2014 CIP, the Board of Education approved an increase to each of the fiscal years beyond the approved expenditures in the Amended FY 2007-2012 CIP. On May 22, 2008, the County Council, in the adopted FY 2009-2014 CIP, reduced the Board of Education's requested increase by half for each fiscal year. An FY 2009 appropriation was approved to continue this project to address PLAR projects, as well as the replacement of playground equipment and replacement of cafeteria equipment systemwide.

An FY 2009 special appropriation in the amount of \$1.250 million was approved by the County Council on January 27, 2009 to address emergency repairs at Darnestown Elementary School. An FY 2010 appropriation was approved to continue this project. On July 28, 2009 an FY 2010 special appropriation of \$603,000 was approved to provide funding for this program through the state's Aging Schools Program (ASP). An FY 2010 special appropriation in the amount of \$151,000 was approved as a result of federal funding, issued by the state, through the Qualified Academy Bond (QZAB) program.

An FY 2011 appropriation is requested to continue this project to address the aging infrastructure with projects such as exterior resurfacing, repair/replacement of partitions and doors, lighting upgrades/replacement, replacement of media center security gates, repair/replacement of bleachers, communication systems upgrades, and repair/replacement of various flooring. This project also funds playground equipment replacement, tennis court and running track renovations, and cafeteria equipment replacement. The FY 2011 appropriation also will fund one additional position to assume the responsibilities of the management of the playground renovation project, as well as to centralize the asphalt and concrete project development and management duties.

### OTHER DISCLOSURES

- MCPS asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.
- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION CIP Master Plan for School Facilities		MAP
Date First Appropriation	FY89	(\$000)	
First Cost Estimate			
Current Scope	FY96	24,802	
Last FY's Cost Estimate		42,567	
Appropriation Request	FY11	6,163	
Appropriation Request Est.	FY12	6,163	
Supplemental Appropriation Request		0	
Transfer		0	
Cumulative Appropriation		24,771	
Expenditures / Encumbrances		21,201	
Unencumbered Balance		3,570	
Partial Closeout Thru	FY08	46,190	
New Partial Closeout	FY09	1,482	
Total Partial Closeout		47,672	

(50)

# Restroom Renovations -- No. 056501

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,080	460	0	600	100	100	100	100	100	100	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	10,675	4,351	924	5,400	900	900	900	900	900	900	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11,735</b>	<b>4,811</b>	<b>924</b>	<b>6,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	11,735	4,811	924	6,000	1,000	1,000	1,000	1,000	1,000	1,000	0
<b>Total</b>	<b>11,735</b>	<b>4,811</b>	<b>924</b>	<b>6,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>0</b>

#### DESCRIPTION

This project will provide needed modifications to specific areas of restroom facilities. A study was conducted in FY 2004 to evaluate restrooms for all schools that were built or renovated before 1985. Schools on the modernization list with either planning or construction funding in the six-year CIP were excluded from this list. Ratings were based upon visual inspections of the existing materials and fixtures as of August 1, 2003. Ratings also were based on conversations with the building services managers, principals, vice principals, and staffs about the existing conditions of the restroom facilities. The numeric rating for each school was based on an evaluation method using a preset number scale for the assessment of the existing plumbing fixtures, accessories, and room finish materials.

An FY 2006 appropriation was approved to begin planning restroom modifications for the first set of schools. An FY 2007 appropriation was approved for construction funds for the first set of schools identified for restroom modifications, as well as planning funds for the second set of schools scheduled for modifications. Also, the County Council approved, in the FY 2007-2012 CIP, to accelerate one year the funding for the bathroom modifications for Potomac Elementary School. An FY 2008 appropriation was approved to continue this project. An FY 2009 appropriation was approved to continue this project. An FY 2010 appropriation was approved to address the remaining schools identified on the list for restroom renovations.

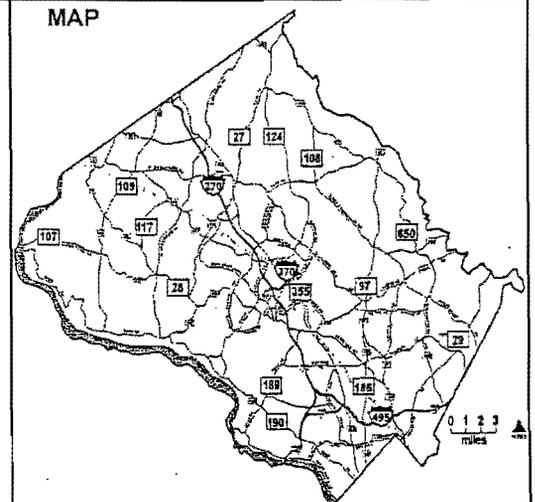
In FY 2010, a second round of assessments were completed, which included a total of 110 schools, including holding facilities. An FY 2011 appropriation is requested to begin the renovations of the schools identified in the second round of assessments. Based on the expenditures shown above, the first 71 schools are proposed for renovation in the FY 2011-2016 CIP. The list of requested restroom renovations is shown in Appendix G of the Superintendent's Recommended FY 2011 Capital Budget and FY 2011-2016 CIP.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY05	(\$000)
First Cost Estimate		
Current Scope	FY05	0
Last FY's Cost Estimate		5,735
Appropriation Request	FY11	1,000
Appropriation Request Est.	FY12	1,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		5,735
Expenditures / Encumbrances		5,667
Unencumbered Balance		68
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

#### COORDINATION

#### MAP



## Roof Replacement: MCPS -- No. 766995

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 11, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	3,290	0	320	2,970	495	495	495	495	495	495	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	52,502	11,104	5,560	35,838	5,973	5,973	5,973	5,973	5,973	5,973	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>55,792</b>	<b>11,104</b>	<b>5,880</b>	<b>38,808</b>	<b>6,468</b>	<b>6,468</b>	<b>6,468</b>	<b>6,468</b>	<b>6,468</b>	<b>6,468</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

	Total	FY09	FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
G.O. Bonds	52,831	11,104	2,919	38,808	6,468	6,468	6,468	6,468	6,468	6,468	0
State Aid	2,961	0	2,961	0	0	0	0	0	0	0	0
<b>Total</b>	<b>55,792</b>	<b>11,104</b>	<b>5,880</b>	<b>38,808</b>	<b>6,468</b>	<b>6,468</b>	<b>6,468</b>	<b>6,468</b>	<b>6,468</b>	<b>6,468</b>	<b>0</b>

#### DESCRIPTION

The increasing age of buildings has created a backlog of work to replace roofs on their expected 20 year life cycle. Roofs are replaced when schools are not in session, and are scheduled during the summer. This is an annual request, funded since FY 1976.

An FY 2003 appropriation was approved to replace roofs at the following MCPS facilities: Stonegate, Candlewood, Piney Branch, and Olney elementary schools, and Magruder and Damascus high schools. The FY 2003 appropriation provided roof replacements at the Clarksburg Depot, and Mark Twain Center. An FY 2004 appropriation was approved to continue this project at its current level of effort. An FY 2005 appropriation was approved to increase the current approved level of effort of funding for this project in order to address the backlog of roof replacement projects. The FY 2005 appropriation will provide roof replacements at Lake Seneca, Clopper Mill, S. Christa McAuliffe, Travilah, Watkins Mill, and Wyngate elementary schools, Silver Spring International Middle School, and Poolesville High School. Funding for the roof replacement at Northwood High School is included in the expenditures of this project and will be phased as part of the reopening project for Northwood.

An FY 2006 appropriation was approved to continue this project. An FY 2007 appropriation was approved to continue this project. Expenditures shown in the adopted FY 2007-2012 CIP for this project increased in order to address the substantial rise in the cost of petroleum based products used in roofing projects. An FY 2008 appropriation was approved to continue this level of effort project. For the FY 2009-2014 CIP, the Board of Education approved a \$560,000 increase in each fiscal year beyond the approved expenditures in the Amended FY 2007-2012 CIP. On May 22, 2008, the County Council, in the adopted FY 2009-2014 CIP, reduced the Board of Education's request by \$280,000 for each year fiscal year. An FY 2009 appropriation was approved to continue this project. An FY 2010 appropriation was approved to continue this level of effort project.

An FY 2011 appropriation is requested to replace the existing roofs at A. Mario Loiederman Middle School, and Montgomery Knolls and Laytonsville elementary schools. Also, the FY 2011 appropriation will provide funding for partial roof replacements at Sherwood High School and Beall, Cold Spring, and Cloverly elementary schools.

#### FISCAL NOTE

State Reimbursement: reimbursement of the state share of eligible costs will continue to be pursued.

#### OTHER DISCLOSURES

- MCPS asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.
- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA			COORDINATION			MAP
CIP Master Plan for School Facilities						
Date First Appropriation	FY76	(\$000)				
First Cost Estimate						
Current Scope	FY96	19,470	Salaries and Wages	FY09 144	FY 10-14 720	
Last FY's Cost Estimate		48,122	Fringe Benefits	53	265	
Appropriation Request	FY11	6,468	Workyears	2	10	
Appropriation Request Est.	FY12	6,468				
Supplemental Appropriation Request		0				
Transfer		0				
Cumulative Appropriation		16,984				
Expenditures / Encumbrances		6,457				
Unencumbered Balance		10,527				
Partial Closeout Thru	FY08	44,559				
New Partial Closeout	FY09	7,618				
Total Partial Closeout		52,177				

# School Gymnasiums -- No. 886550

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 19, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,425	0	600	825	825	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	30,937	19,587	1,600	9,750	5,500	4,250	0	0	0	0	0
Other	6,740	5,370	620	750	500	250	0	0	0	0	0
<b>Total</b>	<b>39,102</b>	<b>24,957</b>	<b>2,820</b>	<b>11,325</b>	<b>6,825</b>	<b>4,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	39,102	24,957	2,820	11,325	6,825	4,500	0	0	0	0	0
<b>Total</b>	<b>39,102</b>	<b>24,957</b>	<b>2,820</b>	<b>11,325</b>	<b>6,825</b>	<b>4,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

The Board of Education and the superintendent continue to believe that elementary gymnasiums are essential for the physical education program and well being of students. Funds approved for FY 2001 were for planning and construction of a gymnasium at Dr. Sally K. Ride, Ashburton, and Spark Matsunaga ESs. An amendment to the FY 2001-2006 CIP was approved to provide additional funds for the gymnasiums at Lakewood and Greenwood ESs. Funding for gymnasiums beyond FY 2002 was removed during the County Council's reconciliation process on May 17, 2001. On December 11, 2001, the County Council approved a transfer of \$4.5 million from this project to the Current Replacement/Modernization project. Due to the fiscal constraints in FY 2003, the Board of Education did not request funding for the construction of ES gymnasiums. On May 9, 2002, the County Council approved an increase in the rate of the recordation tax. Therefore, in FY 2003, the County Council approved funding for six ES gymnasiums – Dr. Sally K. Ride, Ashburton, Lakewood, Greenwood, and Dr. Charles R. Drew in FY 2003, and Somerset ES in FY 2004. The FY 2003 appropriation was for the construction of the five aforementioned gymnasiums. The FY 2004 appropriation was for the gym at Somerset ES.

On August 25, 2003, the Board of Education by way of a resolution, directed the superintendent to include funding for the construction of all gymnasiums for elementary schools within the six-year CIP. The expenditure schedule above includes planning and construction funds for the completion of all ES gym in the six-year CIP. On December 9, 2003, the County Council approved a transfer of \$900K in FY 2004 from the Clarksburg Area MS (Rocky Hill Replacement) project to this project. The transferred funds will be used for the construction of the gymnasium at Somerset ES. The Board of Education, in the FY 2005-2010 CIP, requested an FY 2005 appropriation to provide construction funding for three ES gymnasiums, and planning funds for 11 ES gymnasiums. Due to fiscal constraints, the County Council shifted funds for some individual school projects, as well as elementary school modernization projects. As a result, those projects were delayed one year and the accompanying gymnasium were delayed one year. Therefore, the adopted gymnasium schedule and approved FY 2005 appropriation will provide for the planning of seven elementary school gyms and for the construction of three gyms. An FY 2006 appropriation was approved for planning and construction funds for schools scheduled for a gymnasium addition. An FY 2007 appropriation was approved for the balance of construction funds for four gymnasiums, planning and construction funds for one gymnasium, and planning funds for five gymnasiums. The County Council, in the adopted FY 2007-2012 CIP, approved the acceleration of the construction of the Bells Mill ES modernization and gymnasium one year, and deferred the construction of the gymnasium for Seven Locks ES to coincide with its modernization scheduled to be completed January 2012.

An FY 2008 appropriation was approved for planning funds for four gymnasiums and construction funds for eight gymnasiums. An FY 2008 transfer in the amount of \$4.193 million was approved to provide additional funding due to rising construction costs. Also, an FY 2008 Special Appropriation in the amount of \$300,000 was approved from the city of Rockville for the gymnasium at College Gardens ES. On May 22, 2008, the County Council, in the adopted FY 2009-2014 CIP, approved an FY 2009 appropriation that will continue the planning and construction of gymnasiums; however, due to fiscal constraints, the construction of three gymnasiums at North Chevy Chase, Cold Spring, and Westbrook elementary schools were delayed two years. An FY 2010 appropriation was approved for planning funds for four gymnasium projects and construction funds for one project. An FY 2011 appropriation is requested for construction funds for four gymnasiums and the planning funds for the remaining three gymnasiums. An FY 2012 appropriation will be requested for construction funds for the last three gymnasiums in this project. The list of gymnasiums, as requested, is shown on page 3-4 of the Superintendent's Recommended FY 2011 Capital Budget and FY2011-2016 CIP.

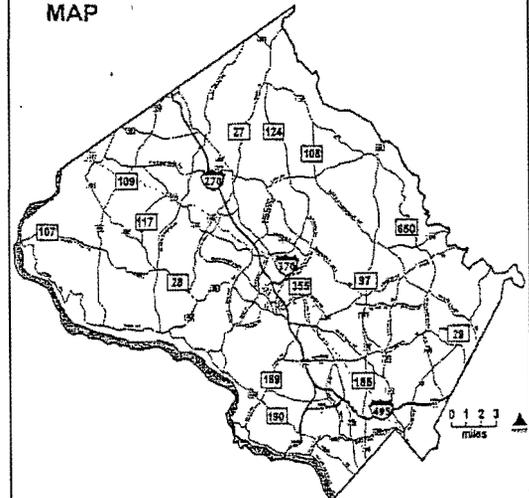
#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY95	(\$000)
First Cost Estimate	FY96	7,588
Current Scope		
Last FY's Cost Estimate		52,882
Appropriation Request	FY11	6,825
Appropriation Request Est.	FY12	4,250
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		28,027
Expenditures / Encumbrances		22,779
Unencumbered Balance		5,248
Partial Closeout Thru	FY08	21,788
New Partial Closeout	FY09	9,405
Total Partial Closeout		31,193

#### COORDINATION

Mandatory Referral - M-NCPPC  
Department of Environmental Protection  
Building Permits:  
Code Review  
Fire Marshall  
Department of Transportation  
Inspections  
Sediment Control  
Stormwater Management  
WSSC Permits

#### MAP



## School Security Systems -- No. 926557

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

October 21, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,800	600	200	1,000	200	200	200	200	100	100	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	9,950	2,650	1,300	6,000	1,300	1,300	1,300	1,300	400	400	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>11,750</b>	<b>3,250</b>	<b>1,500</b>	<b>7,000</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>500</b>	<b>500</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	11,750	3,250	1,500	7,000	1,500	1,500	1,500	1,500	500	500	0
<b>Total</b>	<b>11,750</b>	<b>3,250</b>	<b>1,500</b>	<b>7,000</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>500</b>	<b>500</b>	<b>0</b>

#### DESCRIPTION

This project addresses four aspects of security throughout MCPS, and will serve to protect not only the student and community population, but also the extensive investment in educational facilities, equipment, and supplies in buildings.

An FY 2009 appropriation was approved to provide additional funding for new initiatives for the school security program. The initiatives include design and installation of Closed Circuit Television (CCTV) camera systems in all middle schools, the replacement of existing outdated analog CCTV camera systems in all high schools, the installation of a visitor management system in all schools, and the installation of a visitor access system at elementary schools. An FY 2010 appropriation was approved to continue this project. An FY 2011 appropriation is requested to continue the roll out of the new initiatives that began in FY 2009.

#### FISCAL NOTE

State Reimbursement: not eligible

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP
Date First Appropriation		
(\$000)		
First Cost Estimate		
Current Scope	FY96	
Last FY's Cost Estimate	10,750	
Appropriation Request	FY11	
Appropriation Request Est.	FY12	
Supplemental Appropriation Request	0	
Transfer	0	
Cumulative Appropriation	4,750	
Expenditures / Encumbrances	3,665	
Unencumbered Balance	1,085	
Partial Closeout Thru	FY08	
New Partial Closeout	FY09	
Total Partial Closeout	5,212	

# Stormwater Discharge and Water Quality Management -- No. 956550

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 20, 2009  
No  
None  
On-going

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	2,792	250	0	2,542	144	94	576	576	576	576	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	2,250	1,200	0	1,050	550	500	0	0	0	0	0
Construction	1,681	250	1,431	0	0	0	0	0	0	0	0
Other	180	0	0	180	10	10	40	40	40	40	0
<b>Total</b>	<b>6,903</b>	<b>1,700</b>	<b>1,431</b>	<b>3,772</b>	<b>704</b>	<b>604</b>	<b>616</b>	<b>616</b>	<b>616</b>	<b>616</b>	<b>0</b>

## FUNDING SCHEDULE (\$000)

G.O. Bonds	6,903	1,700	1,431	3,772	704	604	616	616	616	616	0
<b>Total</b>	<b>6,903</b>	<b>1,700</b>	<b>1,431</b>	<b>3,772</b>	<b>704</b>	<b>604</b>	<b>616</b>	<b>616</b>	<b>616</b>	<b>616</b>	<b>0</b>

### DESCRIPTION

This project will provide funds to meet the State of Maryland requirements that all industrial sites be surveyed and a plan developed to mitigate stormwater runoff. Work under this project includes concrete curbing to channel rainwater, oil/grit separators to filter stormwater for quality control, modifications to retention systems, the installation of a surface pond for stormwater management quality control at the Randolph Bus and Maintenance Depot, and other items to improve stormwater management systems at other depot sites. This project is reviewed by the interagency committee for capital programs that affect other county agencies to develop the most cost effective method to comply with state regulation.

This project also will address pollution prevention measures that were formally addressed in the County Water Quality PDF. Federal and State laws require MCPS to upgrade and maintain pollution prevention measures at schools and support facilities. The State of Maryland, Department of the Environment, through the renewal of Montgomery County's National Pollutant Discharge Elimination System (NPDES) Permit, has included MCPS as a co-permittee under its revised MS4 permit, subject to certain pollution prevention regulations and reporting requirements not required in the past. As a co-permittee, MCPS will be required to develop a system-wide plan for complying with MS4 permit requirements. The plan could include infrastructure improvements that reduce the potential for pollution to enter into the stormwater system and area streams. A portion of the plan also will include surveying and documenting, in a GIS mapping system, the stormwater systems at various facilities.

An FY 2007 Special Appropriation in the amount of \$1.2 million was approved to bring all storm water management facilities on school sites up to current maintenance standards. It is anticipated that all future maintenance responsibilities will be transferred to the Department of Environmental Protection (DEP) within the Water Quality Protection Fund.

An FY 2009 special appropriation in the amount of \$1.5 million was approved by the County Council on January 27, 2009 to address emergency repair work at Burtonsville Elementary School and Watkins Mill High School. An FY 2010 transfer was approved to move \$431,000 from unliquidated surplus into this project to address stormwater runoff issues for the Rocky Hill Middle School Replacement project.

An FY 2010 appropriation and amendment to the FY 2009-2014 CIP of \$410,00 was approved to begin the assessment and planning process for pollution prevention measures, as well as to begin the implementation and construction of identified facilities needing modifications. It is anticipated that a significant portion of the first year's efforts will be focused on developing the required plans to prioritize the necessary infrastructure improvements. An FY 2011 appropriation is requested to address water quality issues related to stormwater management and continue the assessments and planning for water quality compliance as required by federal and state law.

### FISCAL NOTE

State Reimbursement: Not eligible

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP
Date First Appropriation		
First Cost Estimate		
Current Scope	FY07	
Last FY's Cost Estimate	2,700	
Appropriation Request	FY11	
Appropriation Request Est.	FY12	
Supplemental Appropriation Request	0	
Transfer	0	
Cumulative Appropriation	3,131	
Expenditures / Encumbrances	2,573	
Unencumbered Balance	558	
Partial Closeout Thru	FY08	
New Partial Closeout	FY09	
Total Partial Closeout	2,356	

25

# Clarksburg Depot Expansion -- No. 116514

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 20, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	5,280	0	0	2,046	0	0	0	0	0	2,046	3,234
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	6,250	0	0	0	0	0	0	0	0	0	6,250
Construction	38,720	0	0	0	0	0	0	0	0	0	38,720
Other	750	0	0	0	0	0	0	0	0	0	750
<b>Total</b>	<b>51,000</b>	<b>0</b>	<b>0</b>	<b>2,046</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,046</b>	<b>48,954</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	51,000	0	0	2,046	0	0	0	0	0	2,046	48,954
<b>Total</b>	<b>51,000</b>	<b>0</b>	<b>0</b>	<b>2,046</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,046</b>	<b>48,954</b>

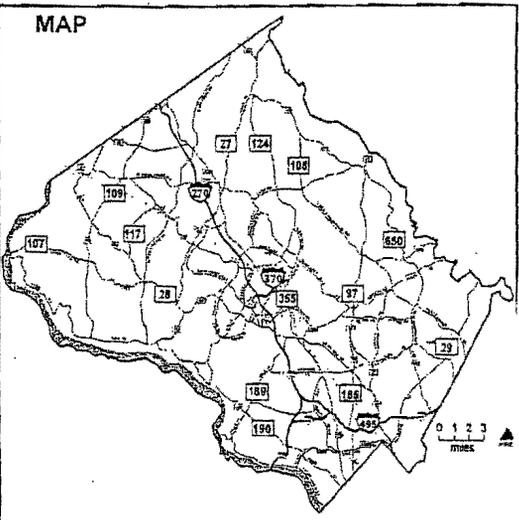
**DESCRIPTION**

MCPS currently operates six bus depots—Bethesda, Clarksburg, Randolph, Shady Grove North, Shady Grove South, and West Farm. The Clarksburg depot serves both transportation and facilities maintenance operations. The Clarksburg transportation depot operation is currently functioning at 226 percent of its design capacity with 231 buses operating out of a facility designed to accommodate 102 buses. The Clarksburg depot serves Clarksburg, Damascus, Northwest, Poolesville, Quince Orchard, and Seneca Valley cluster schools. The depot serves the largest geography and the fastest growing area of the county.

MCPS has completed three studies over the past eleven years to identify the best locations for its depots. Given the development that has occurred in the county and the difficulty in finding suitable locations for school bus depots, it is necessary to begin planning the expansion of the Clarksburg depot in its current location. Funds are programmed in the latter years of the CIP to begin the expansion process.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY	(\$000)
First Cost Estimate		
Current Scope	FY	0
Last FY's Cost Estimate		0
Appropriation Request	FY11	0
Appropriation Request Est.	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

**COORDINATION**



# Shady Grove Depot Replacement -- No. 116515

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 23, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	6,800	0	0	3,624	0	0	0	0	0	3,624	3,176
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	8,750	0	0	0	0	0	0	0	0	0	8,750
Construction	48,450	0	0	0	0	0	0	0	0	0	48,450
Other	1,000	0	0	0	0	0	0	0	0	0	1,000
<b>Total</b>	<b>65,000</b>	<b>0</b>	<b>0</b>	<b>3,624</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,624</b>	<b>61,376</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	65,000	0	0	3,624	0	0	0	0	0	3,624	61,376
<b>Total</b>	<b>65,000</b>	<b>0</b>	<b>0</b>	<b>3,624</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,624</b>	<b>61,376</b>

#### DESCRIPTION

MCPS currently operates six bus depots—Bethesda, Clarksburg, Randolph, Shady Grove North, Shady Grove South, and West Farm. As part of the county's Smart Growth Initiative and the implementation of the Shady Grove Sector Plan, the county is preparing to move both Shady Grove depots off of their current site on Crabbs Branch Road. The Shady Grove North depot serves the Gaithersburg, Magruder, and Watkins Mill clusters. The Shady Grove South depot serves the Richard Montgomery, Rockville, and Wootton clusters. Also located at the same site are the headquarter functions of the MCPS Department of Transportation that includes driver training facilities, major bus repair facilities, tire and bus parts storage, and central radio communications and headquarter office functions.

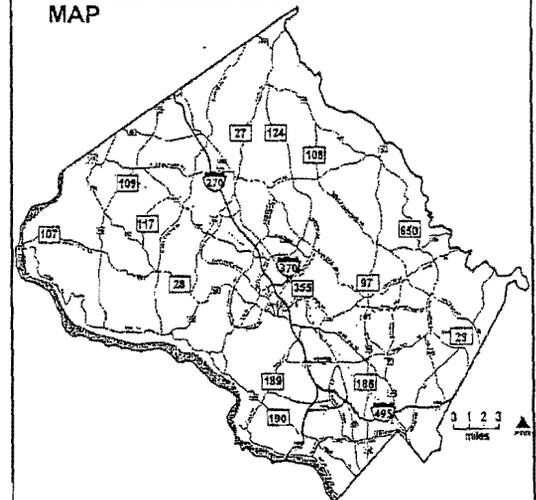
The two depots together operate at 167 percent of design capacity, with 391 buses operating out of a lot designed to accommodate 234 buses. MCPS has completed three studies over the past eleven years to identify the best locations for efficient operations. Given the development that has occurred in the county, there is tremendous resistance to locating bus depots in areas close to the clusters that they serve. Funds are programmed in the outyears of the CIP to cover the costs that are not being funded through the Smart Growth Initiative for the relocation of the two Shady Grove depots and headquarter operations for the MCPS Department of Transportation.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY	(\$000)
First Cost Estimate	FY	0
Current Scope		
Last FY's Cost Estimate		0
Appropriation Request	FY11	0
Appropriation Request Est.	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

#### COORDINATION

#### MAP



## **Council Staff Questions Regarding the Board of Education's Requested FY 2011–2016 Capital Improvements Program**

1. Please provide the following additional detail regarding the Montgomery County Public Schools' (MCPS) Capital Improvements Program (CIP):

- a. Summary chart of costs (by year and by subproject) for the mods and RROCs projects

**Response: The chart for the modernization subprojects and RROCS projects is attached for Council staff use (Attachment 1).**

- b. Bruce: Please provide Keith with the Excel spreadsheet with enrollment and capacity by school/cluster that you have provided in the past. Note: Keith will forward questions regarding the capacity projects later.

**Response: This information was previously provided.**

- c. Bruce: Please provide Keith with the percentage allocations for schools with split matriculations.

**Response: This information was previously provided.**

2. What has your construction cost experience been over the past year?

- a. Please provide "per square foot" costs for new construction, additions, and full renovations based on actual bid experience in CY 2009 (please provide examples of actual projects bid).

- b. How do these costs compare to CY 2008 experience?

- c. What does the FY 11-16 MCPS CIP assume for similar projects?

**Response: Due to the market conditions, construction costs decreased approximately 25 percent over the past year compared to CY 2008. Please see Attachment 2 for the comparative cost analysis. Anticipating that the current market conditions will continue for the next 1–1½ years, the project estimates included in the requested CIP were developed based on current construction market costs. If the construction market conditions drastically change within the next couple of years, increasing the construction costs or significant adjustments to construction schedules will be required.**

3. Has MCPS put in place its new Asset Management System? Is MCPS using the data from this system to build its systemic project schedules? If yes, please provide more details as to how this system works and the assumptions used.

**Response:** MCPS continues to collect asset data to enter into the Maximo system. The Roof and HVAC Replacement programs and certain asset replacements in the PLAR program utilize the data collected and entered into the Maximo system to identify and generate project lists for each program. The Maximo system generates the lists of assets that need to be replaced based on life expectancy of assets. The priority of the projects in each program is based on the assessment of asset conditions, age/life cycle, replacement costs, and alignment with other capital projects in the CIP.

4. MCPS is recommending increases in the levels of spending of many of its systemic projects (either in just the first year or across the six-year period). For each project where there is a recommended increase. Please describe the rationale(s) for the increase:

- Increased costs (to do the same work)

**Response:** There is a 10 percent increase across the six-year period in the Fire Safety Code Upgrades, Planned Life-cycle Asset Replacement (PLAR) and Roof Replacement capital projects to allow for inflation. There continues to be annual increases in material and equipment costs, especially for systems that utilize unstable commodities such as petroleum-based roofing, paving asphalt products, steel lockers, and plastic restroom partitions. Also, increases are due to code updates and new regulations.

- Acceleration of work (doing more work)

**Response:** There are increased work demands for countywide systemic capital projects as a result of continued reduction in state funding and increased project requests due to aging infrastructure as well as the pace of the modernization schedule due to fiscal constraints. The countywide systemic projects are challenged with the need to accelerate the replacement of essential facility components that have exceeded their life cycles, as well as the need to repair components with increased risk of failure, that results in the increase of routine and emergency maintenance expenditures.

- Increased scope of work

**Response:** There are new mandates that require MCPS to increase the scope of work for certain countywide systemic projects. For example, the mandate to identify and abate PCB caulking, lead paint, and/or develop alternate measures and work practices that are in compliance with the regulatory authorities. Also, there is an increased cost associated with the need to coordinate and monitor new mandate requirements. For example, the Montgomery County Government Fire Code which specifies that all contractors performing any work on life safety systems must be certified and must obtain permits for all life safety equipment repairs and replacements. There have been various increases to the general scope of these countywide systemic projects in several areas that have impacted not only the cost but also the time required to complete these projects. In some cases, this has reduced the number of projects that can be performed during the 10-week window in the summer when buildings are not occupied by students.

For the Americans with Disabilities Act Compliance project, the FY 2011 increase is due to an elevator addition at Damascus Elementary School. The increases shown in FY 2012–FY 2016 are to address the accessibility deficiencies identified by the United States Department of Justice at polling places and at high schools that are designated as emergency shelters.

For the Heating, Ventilation, and Air Conditioning (HVAC) Replacement project, the increase in the funding request is to address the current backlog of HVAC systems. By reducing the backlog and replacing the outdated HVAC systems, we ensure the longevity of our school buildings, increase the energy efficiency of our school buildings, and provide optimum learning environment in our schools.

5. If the systemic projects were to be kept at the same 6 year “level of work” as in the Approved FY09-14 CIP, given current construction cost trends what percent increase or decrease would be experienced in each project?

**Response:** If the approved FY 2009-2014 CIP level of funding was maintained, the backlog of HVAC system projects would increase and the number of projects to be completed would go from 77 to 31 projects over the six-year period. This represents over a 60 percent reduction of critical projects that require immediate attention. Maintaining the approved level of funding poses a far greater monetary effect if system failures occur prior to replacement, as well as energy costs due to the inefficient systems.

Based on the recent bid information, larger HVAC projects are bidding approximately 10–15 percent lower than CY 2008. However, there has been no significant reduction in bid costs for smaller HVAC projects. While the requested CIP has included these cost adjustments, there are more small scale HVAC projects than large scale projects. Therefore, we cannot assume a large increase in the number of projects completed with the same funding as in the previous CIP.

For the ADA Compliance project, the increase in expenditures over the six-year period in the requested CIP is fairly minimal and is a result of the need to comply with ADA regulations. Most of the ADA Compliance projects are relatively small and the bid data shows no indication of significant reduction in bid costs.

For the other countywide projects, the general reduction of work would be approximately 25 percent, taking into consideration the various increases to cost and scope of work as identified in the response to Question 4.

6. For those systemic projects where you have first year and/or multi-year schedules, please provide these schedules. If not, please estimate the number of schools and type of work assumed to be addressed each year.

**Response:** The number of schools and the type of work that will be performed through our countywide systemic projects depends on the specific project. For example, on Appendix F of the Superintendent’s Recommended FY 2011 Capital Budget and the FY 2011–2016 CIP, there are 283 projects listed, completed over this past summer through the Planned Life-Cycle Asset Replacement program. Similar projects (number and types)

are anticipated to be completed this summer. The Roof Replacement PDF as well as the HVAC PDF included in the Board of Education's Requested CIP lists the schools that will have projects for FY 2011.

7. How does the modernization schedule affect these projects? How soon does a school have to have a mod scheduled for work to be deferred at a school?

**Response:** Generally, schools on the modernization schedule that have expenditures in the six-year CIP are not included in the HVAC Replacement program. However, in some instances, an HVAC project cannot be deferred due to the imminent failure of the system. In this situation, the project would be designed in such a way that the HVAC equipment installed could be reused or relocated to another facility.

8. Please provide MCPS' most recent study of its bus depot needs (both capacity and condition).

**Response:** Please see Attachments 3.

9. Please detail all new positions requested in the CIP, listed by project, title, whether new or shifted from the operating budget, and whether full or part time. What is the status of the three positions requested in FY10 that were added as conditional, non-permanent positions?

**Response:** The Design and Construction Management PDF indicates 44 staff, an increase of four from FY 2010. The increase is due to the transfer of three HVAC conditional, non-permanent positions from the HVAC Replacement PDF and the addition of an Assistant to the Director position in the Division of Construction. Therefore, the net increase is one new position. The Assistant to the Director position is a full-time position created and filled to assist the director in management of the division and its increased workload. Of the three HVAC conditional, non-permanent positions approved in the FY 2010, one position was filled in August of 2009 and interviews are proceeding to fill remaining two positions.

There is also one new position in the PLAR PDF and the County Water Compliance PDF. The PLAR position will support one additional Contract Assistant II to assume the responsibilities of playground renovation project management and to centralize the asphalt and concrete project development and contract management duties for the Contract Office. The County Water Compliance position will support Environmental Specialist to manage the development and coordination of the pollution prevention plans and conduct onsite reviews to confirm and evaluate plan implementation, identify and facilitate any necessary corrective actions, and also provide additional training as identified in the pollution prevention plans.

10. The Building Modifications and Improvements project has previously been requested a year or two at a time and tied to specific projects. The FY11-16 request appears to change this practice to a level of effort project with funds in all years. What is the rationale for this change? Are there specific projects identified in each year, or an anticipated level of effort?

**Response:** Since the inception of this project in FY 2006, the request for building modifications and program improvements has increased steadily. Currently, there is a

backlog of potential projects that could be addressed during the six-year CIP; and, therefore, the Board of Education's request included a level of effort funding for this countywide project.

11. The Improved Safe Access to Schools project has previously been requested as a level of effort project with funds in all years but is now showing funds in only FY11 and FY12. What is the rationale for this change? Why were the funds removed from later years?

**Response:** In the past, the requests for safe access projects could be identified and prioritized over the six-year period. Currently, safe access projects are identified on an annual basis, and therefore, MCPS will evaluate the funding for this project every odd-numbered fiscal year.

12. Please provide additional detail on the process used to develop the new list of schools for the Restroom Renovation Project. How were the 71 additional schools identified? What were the criteria or rating system? What is the anticipated scope of work per project? What type of renovation or repair would not be included in this project? How does this list coordinate with the modernization and addition schedule?

**Response:** There were a total of 110 schools, including holding facilities that were assessed for the second round of restroom renovations. The schools included in the second round were all built or modernized between 1985 and 1999. Of the 110 schools assessed, based on the funding requested by the Board of Education, 71 schools are proposed for restroom renovations in the FY 2011–2016 CIP. The criteria and rating system used to develop the new list of schools was the same criteria and rating system used for the first set of schools. The raw ratings were determined based on an evaluation method using a preset number scale for the assessment of the existing plumbing fixtures, accessories, and room finish materials as of August 2009. The same type of renovation and repair work will be included in the second round of restroom renovations as in the first round; however, ADA modifications also will be included. No schools included in the second round of restroom renovations are on the modernization schedule since all of the schools identified are no more than 25 years old.

13. Please provide the following information for the Stormwater Discharge and Water Quality Management project.

- a. What is the status of the stormwater management facilities that are to be transferred to DEP? If the full transfer is not complete, how many facilities remain to be transferred and how much estimated work (and cost) remains to be done before the transfer? Is this work included in the capital project?

**Response:** Transfer of stormwater facilities from MCPS to the Department of Environmental Protection is estimated to be 85 percent complete. In FY 2010, MCPS completed repairs at four additional facilities and are waiting on concurrence from the county prior to final transfer. Six hundred thousand dollars were requested in FY 2011–2012 to restore the structures that have not yet been turned over:

- 19 facilities: Known to have structures in need of maintenance have not been turned over to the county. The cost to restore these facilities is approximately \$440,000.
  - 11 facilities: Additional facilities where the county is reviewing the plans to determine maintenance is necessary prior to turning over to the county. It is unknown at this time if the costs will exceed the remaining \$164,000 of the \$600,000 request.
- b. What are the cost elements and assumptions for each year of the FY11-16 request? How much relates to stormwater management, permit compliance, or other facility upgrades?

**Response:**

- Stormwater Management facilities turnover: \$350,000 first year, \$250,000 second year
- Permit compliance/facility upgrades at depots \$100,000 first year, \$100,000 second year
- MS4 compliance: \$50,000 for Stormwater Pollution Prevention Training development and miscellaneous expenses.
- MS4 & NPDES compliance: \$94,000 for staff dedicated to project development, coordination, oversight, and ongoing training.

Funds for landscape maintenance costs for the increasing number of above-ground stormwater facilities (bioretention, etc.) are not included in the requested CIP.

- c. What is the status of the NPDES activities initiated in FY10, including training, facility repair/upgrades, and inventory?

**Response:**

- Complete:
  1. Facility upgrades: \$100,000 for Randolph tank upgrades as a result of MDE inspections.
  2. Training/awareness session for school plant operations staff on illegal dumping.
- In Progress:
  1. \$195,000 for facility upgrades.
  2. \$35,000 for Bethesda fueling station underground piping upgrades.
  3. \$160,000 for fuel station canopies.
- NDPEs General Permit Compliance
  1. \$125,000 for stormwater pollution plans and spill control and countermeasure plans.
    - 90 percent complete for the first facility and 2<sup>nd</sup> facility to begin February 2010.
    - Three additional facilities to be completed by December 2010.

14. The six-year total for the Facility Planning project triples in the FY11-16 request from the approved CIP. It appears from the description that several factors may contribute to this increase. Please discuss the reasons, cost breakdowns where possible, and the questions below.

- a. Is the new FACT assessment for modernizations reflected in the FY11 or FY12 cost increase? How much is the assessment expected to cost? How many schools will be assessed? How will it be accomplished, with staff or contractors? What major factors will be assessed, such as program needs as well as facility needs?

**Response:** The new Facilities Assessment and Criteria Testing assessment study is reflected in the requested FY 2011 expenditures. The assessment is estimated to cost approximately \$850,000 and will include 41 schools, as well as the four elementary school holding facilities. The assessment will be conducted by outside contractors. The criteria to be used for the assessment are in the development phase. Various stakeholders will have an opportunity to provide input, and then the criteria will be reviewed by the Board of Education before the assessments begin.

- b. The PDF references additional site work required in the planning process. Is this reflected in the increased cost? How much does it increase the facility planning process for a given project? Will this cost be offset as a decrease in the eventual stand-alone project?

**Response:** Environmental regulations, including the Storm Water Management Act of 2007 (adopted by the Maryland Department of the Environment) in May 2009) and Forest Conservation Laws now require certain design activities to occur during the facility planning phase of a project in order for MCPS to complete the projects as scheduled in the CIP. Such activities include: storm water management concept plan approvals that utilize Environmental Site Design (ESD) techniques; topography surveys; and, Natural Resource Inventory/Forest Stand Delineation (NRI/FSD). These facility planning activities cost an additional \$40,000–100,000 per project depending on the type of project—new school, addition, modernization (elementary, middle, or high school). Since these design activities are completed during the facility planning phase, instead of design phase, the planning funds in the individual projects are reduced by the same amounts.

15. Artificial Turf: Has MCPS built any funding assumptions about future installation of artificial turf in high school fields into either the FY11-16 CIP request or the FY11 operating budget? Please indicate any funding requested or identified, lease arrangements, and whether the HS Mod designs now include turf fields as part of the POR.

WJ: Please update the status of the turf installation at WJ. What is the anticipated timeframe? Have the funding assumptions changed from the outline provided to the Council in last spring's supplemental discussions? (the assumptions at that time were BSC initial payment, \$335,000, Lease financing, \$451,423, Project contingency funds, \$413,577).

**Response:** The standard for high school stadium fields remains grass sod and no funds for artificial turf installation are included in the requested CIP. However, the artificial

turf for the high school stadium fields will be designed as an add-alternate to modernization projects. If bids are lower than the estimated budget, the artificial turf will be installed as a part of the projects. If the bids are higher than the estimated budget, MCPS will explore alternative ways to finance the artificial turf similar to Richard Montgomery High School and Walter Johnson High School.

The artificial turf installation at Walter Johnson High School is proceeding and will be complete on or before June 30, 2010. The total cost for artificial turf installation at Walter Johnson is \$1,084,625. The funding sources include \$335,000 from Bethesda Soccer, \$350,000 from lease financing, and \$399,625 from the project contingency.

16. Snow removal: I assume MCPS is responsible for snow removal on MCPS property (schools and facilities). Does MCPS perform this work in-house, or contract? What is the FY10 budget for snow removal, and what are current and projected expenditures?

**Response:** MCPS performs snow removal with in-house personnel. When it is determined that in-house staff cannot open schools in a 24-hour period, additional support is provided by contracting with companies on the county bid list. There is no specific line item in the budget for snow removal.

The costs incurred for snow removal include overtime for maintenance and School Plant Operations personnel and contracted services. The expenditures attributable to snow removal activities to date are:

- |                               |                             |
|-------------------------------|-----------------------------|
| • Overtime for MCPS personnel | \$123,596 (through 12/3/09) |
| • Contracted services         | 189,000 (through 12/30/09)  |
| • Salt                        | 13,284                      |
| • Parts for repairs           | 20,000 (approximate)        |

MCPS does not do a projection for snow removal expenditures.

# Appendix G

## Restroom Renovations Schedule for the FY 2011–2016 CIP

School Rank	Name of School	Raw Rating*
<b>FY 2011</b>		
1	Tilden Center	2108
2	Grosvenor Center	2083
3	Bannockburn Elementary School	1923
4	Gaithersburg Middle School	1808
5	North Lake Center	1798
6	Quince Orchard High School	1786
<b>FY 2012</b>		
7	Darnestown Elementary School	1739
8	Julius West Middle School	1704
9	South Lake Elementary School	1700
10	Lake Seneca Elementary School	1678
11	Clearspring Elementary School	1659
12	Stone Mill Elementary School	1645
13	Rolling Terrace Elementary School	1606
14	Blair G. Ewing Center	1579
<b>FY 2013</b>		
15	Albert Einstein High School	1574
16	Watkins Mill High School	1567
17	Watkins Mill Elementary School	1566
18	Jones Lane Elementary School	1565
19	Highland View Elementary School	1547
20	Radnor Center	1544
21	Woodfield Elementary School	1541
22	Roberto Clemente Middle School	1525
23	Fairland Center	1513
24	Rock Terrace Center	1509
<b>FY 2014</b>		
25	Cold Spring Elementary School	1492
26	Sherwood High School	1475
27	Carl Sandburg Center	1456
28	Cedar Grove Elementary School	1455
29	Fields Road Elementary School	1439
30	Rachel Carson Elementary School	1413
31	Silver Spring International Middle School	1412
32	White Oak Middle School	1408
33	Beall Elementary School	1394
34	Rosa M. Parks Middle School	1380
35	Dr. Martin Luther King, Jr. Middle School	1357

School Rank	Name of School	Raw Rating*
<b>FY 2015</b>		
36	Sligo Middle School	1352
37	Briggs Chaney Middle School	1348
38	Cloverly Elementary School	1335
39	Thurgood Marshall Elementary School	1333
40	Stephen Knolls Center	1328
41	Wyngate Elementary School	1325
42	Montgomery Knolls Elementary School	1315
43	Pine Crest Elementary School	1314
44	Meadow Hall Elementary School	1299
45	Twinbrook Elementary School	1295
46	Greencastle Elementary School	1265
47	Waters Landing Elementary School	1260
48	Sligo Creek Elementary School	1252
49	Westbrook Elementary School	1244
<b>FY 2016</b>		
50	S. Christa McAuliffe Elementary School	1235
51	Northwood High School	1234
52	Ritchie Park Elementary School	1234
53	Brookhaven Elementary School	1228
54	Travilah Elementary School	1225
55	Georgian Forest Elementary School	1221
56	Clopper Mill Elementary School	1219
57	Takoma Park Middle School	1214
58	John Poole Middle School	1211
59	Laytonsville Elementary School	1207
60	Montgomery Blair High School	1204
61	Jackson Road Elementary School	1201
62	Bethesda Elementary School	1201
63	Oakland Terrace Elementary School	1195
64	Dr. Sally K. Ride Elementary School	1191
65	North Chevy Chase Elementary School	1188
66	Highland Elementary School	1181
67	Ashburton Elementary School	1180
68	Lucy V. Barnsley Elementary School	1178
69	Flower Hill Elementary School	1177
70	Northwest High School	1172
71	Viers Mills Elementary School	1163

\* The raw rating was determined based on an evaluation method using a preset number scale for the assessment of the existing plumbing fixtures, accessories, and room finish materials. The ratings also were based upon visual inspections of the existing materials and fixtures as of August 1, 2009 and conversations with the principal, building services manager, assistant principal, and staff about the existing conditions of the restroom facilities. A total of 110 facilities were assessed and, based on funding, 71 facilities are proposed for renovation in the six year CIP.

(16)

# Appendix G

## Restroom Renovations Schedule

School Rank	Name of School	Raw Rating*	Project Year
1	Strathmore Elementary School	1453	FY 2007
2	Eastern Middle School	1775	
3	Wayside Elementary School	1840	
4	Wheaton High School	1850	
5	William H. Farquhar Middle School	1874	
6	Redland Middle School	1877	
7	DuFief Elementary School	1887	
8	Poolesville High School	1943	
9	Fallsmead Elementary School	1960	
10	Maryvale Elementary School	1974	
11	Col. Zadok Magruder High School	1991	FY2008
12	Robert Frost Middle School	2004	
13	Candlewood Elementary School	2009	
14	Tilden Middle School	2012	
15	Burnt Mills Elementary School	2018	
16	Takoma Park Elementary School	2019	
17	Stedwick Elementary School	2048	
18	Rock Creek Forest Elementary School	2075	
19	East Silver Spring Elementary School	2077	
20	Luxmanor Elementary School	2091	
21	Broad Acres Elementary School	2095	
22	Whetstone Elementary School	2105	
23	Stonegate Elementary School	2114	
24	Wheaton Woods Elementary School	2117	
25	Seneca Valley High School	2148	FY 2009
26	Potomac Elementary School	2155	
27	Piney Branch Elementary School	2168	
28	Col. E. Brooke Lee Middle School	2179	
29	Argyle Middle School	2184	
30	Summit Hall Elementary School	2221	
31	John T. Baker Middle School	2274	
32	Ridgeview Middle School	2319	
33	Benjamin Banneker Middle School	2338	
34	Fox Chapel Elementary School	2345	
35	Belmont Elementary School	2372	
36	Brown Station Elementary School	2373	FY 2010
37	Damascus Elementary School	2402	
38	Damascus High School	2412	
39	Woodlin Elementary School	2423	
40	Poolesville Elementary School	2452	
41	Sherwood Elementary School	2493	
42	Thomas S. Wootton High School	2493	
43	Diamond Elementary School	2526	
44	Germantown Elementary School	2534	
45	Bradley Hills Elementary School	2542	
46	Neelsville Middle School	2598	
47	Washington Grove Elementary School	2619	

\* The raw rating was determined based on an evaluation method using a preset number scale for the assessment of the existing plumbing fixtures, accessories, and room finish materials. The ratings also were based upon visual inspections of the existing materials and fixtures as of August 1, 2003 and conversations with the principal, building services manager, assistant principal, and staff about the existing conditions of the restroom facilities.

# Technology Modernization -- No. 036510

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
On-going

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	219,089	60,407	18,897	139,785	19,889	19,501	21,847	25,313	26,393	26,842	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>219,089</b>	<b>60,407</b>	<b>18,897</b>	<b>139,785</b>	<b>19,889</b>	<b>19,501</b>	<b>21,847</b>	<b>25,313</b>	<b>26,393</b>	<b>26,842</b>	<b>0</b>

## FUNDING SCHEDULE (\$000)

Current Revenue: General	124,893	11,780	5,525	107,588	5,057	2,136	21,847	25,313	26,393	26,842	0
Federal Aid	3,927	0	1,800	2,127	1,800	327	0	0	0	0	0
G.O. Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue: Recordation Tax	90,269	48,627	11,572	30,070	13,032	17,038	0	0	0	0	0
<b>Total</b>	<b>219,089</b>	<b>60,407</b>	<b>18,897</b>	<b>139,785</b>	<b>19,889</b>	<b>19,501</b>	<b>21,847</b>	<b>25,313</b>	<b>26,393</b>	<b>26,842</b>	<b>0</b>

### DESCRIPTION

The Technology Modernization (Tech Mod) project is a key component of the MCPS strategic technology plan, Educational Technology for 21st Century Learning. This plan builds upon the following four goals: students will use technology to become actively engaged in learning, schools will address the digital divide through equitable access to technology, staff will improve technology skills through professional development, and staff will use technology to improve productivity and results.

An FY 2005 appropriation was approved to roll-out the implementation of the technology modernization program. This project will update schools' technology hardware, software, and network infrastructure on a four-year replacement cycle, with a 5:1 computer/student ratio. The County Council, in the adopted FY 2005-2010 CIP reduced the Board of Education's request for the outyears of the FY 2005-2010 CIP by \$10.945 million. An FY 2006 appropriation and amendment to the FY 2005-2010 CIP was approved to continue the rollout plan. An FY 2007 appropriation was approved to continue this level of effort project. The expenditures for FY 2007 reflect three years of finance payments, as originally planned, in addition to the current year refreshment costs. The expenditures in the outyears represent the ongoing costs of a four-year refreshment cycle. An FY 2008 appropriation was approved to continue this project.

The Board of Education, in the Requested FY 2009 Capital Budget and FY 2009-2014 CIP, included additional funding for new initiatives for the Technology Modernization program. On May 22, 2008, the County Council approved an FY 2009 appropriation as requested by the Board of Education; however, the County Council reduced the expenditures earmarked for the Middle School Initiative program for FY 2010-2014. In FY 2009, MCPS purchased and installed interactive classroom technology systems in approximately 2/3 of all secondary classrooms. The total cost is projected at \$13.3 million, financed over a four-year period (\$3.4M from FY 2009-2012). The funding source for the initiative is anticipated to be Federal e-rate funds. The Federal e-rate funds programmed in this PDF consist of available unspent e-rate balance: \$1.8M in FY 2010, \$1.8M in FY 2011, and \$327K in FY 2012. In addition, MCPS projects future e-rate funding of \$1.6M each year (FY 2010-2012) that may be used to support the payment obligation pending receipt and appropriation. No county funds may be spent for the initiative payment obligation in FY 2010-2012 without prior Council approval.

This PDF reflects a decrease in the FY 2010 appropriation and FY 2010-2012 expenditures as requested by the Board of Education. The decrease in expenditures will temporarily extend the MCPS desktop replacement cycle from four to five years. The County Council will reconsider how to resume the four-year replacement cycle in a future CIP. An FY 2011 appropriation is requested to continue the technology modernization project and return to a four-year replacement cycle starting in FY 2013. Also, the FY 2011-2016 request includes funding for one additional staff position for this project.

APPROPRIATION AND EXPENDITURE DATA			COORDINATION (\$000)			MAP
			FY 11	FYs 12-16		
Date First Appropriation	FY03	(\$000)	Salaries and Wages:	1893	9465	
First Cost Estimate			Fringe Benefits:	807	4035	
Current Scope	FY00	0	Workyears:	20.5	102.5	
Last FY's Cost Estimate		159,470				
Appropriation Request	FY11	19,889				
Appropriation Request Est.	FY12	19,501				
Supplemental Appropriation Request		0				
Transfer		0				
Cumulative Appropriation		79,304				
Expenditures / Encumbrances		37,659				
Unencumbered Balance		41,645				
Partial Closeout Thru	FY08	16,050				
New Partial Closeout	FY09	0				
Total Partial Closeout		16,050				

## Technology Modernization Questions

Has MCPS received the FY10 e-rate funding amount yet, or notice of what the amount will be?

In FY10, the school system had received a total of \$1,486,790 in e-rate funding as of January 2010. MCPS anticipates receiving approximately \$80,000 in additional e-rate funds before the end of the fiscal year.

What is the schedule for the FY10 payment on the Promethean Board initiative?

MCPS is invoiced and payments are made in September during the term of the contract.

How many schools at each level are scheduled for technology modernization in FY11?

There are a total of 46 schools scheduled to participate in the FY11 Tech Mod Program (three high schools, 14 middle schools, and 29 elementary schools).

The approved PDF left previously programmed amounts correlated with a four year replacement cycle in FY13-14. The recommended PDF indicates that the requested increases in FY13-16 are to return the replacement cycle to four years from the current five year cycle. What are the assumptions behind the increased costs? How long will it take to "catch up" to the four year cycle under this request? How many additional schools are supported by the increase in each year (above the previous four year assumptions)?

The attached table summarizes the Tech Mod finance payments. In this table, the first of four payments is shown as a "1" and the remaining payments as "2," "3," and "4." As this table indicates, an additional finance payment is added to the schedule of payments in FY13 when MCPS returns to the 4-year replacement cycle. The financial impact of this return ends in FY17.

The finance costs that are added in FY13 support 43 schools.

**Schedule of Technology Modernization Equipment Payments**

<b>Technology Modernization Program: Finance Payment Schedule</b>								
<i>Analysis of Finance Payments (approx. 70% of budget)</i>								
<b>Payment For:</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>	<b>FY13</b>	<b>FY14</b>	<b>FY15</b>	<b>FY16</b>	<b>FY17</b>
FY07	4							
FY08	3	4						
FY09	2	3	4					
<b>FY10</b>	0	0	0	0				
FY11		1	2	3	4			
FY12			1	2	3	4		
FY13				1	2	3	4	
FY13: Return to 4-yr replacement cycle				1	2	3	4	
FY14					1	2	3	4
FY15						1	2	3
FY16							1	2
FY17								1
<b>Total # of Payments</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4</b>

Regarding the new position that is requested in the Tech Mod PDF, please let me know what this position will do, whether it is full or part time, and whether it is new or shifted from the operating budget.

This request is for a new, permanent 1.0 FTE position that is not being shifted from the operating budget. The position would address self-warranty service calls (computer repair and parts replacement) in the 5<sup>th</sup> year of use in FY11-13 and in the 4<sup>th</sup> year of service for FY14 and beyond.

When Tech Mod was delayed in FY10, the contractual costs of extending the computer warranty for a 5<sup>th</sup> year would have been \$72 per computer. This was a total of \$564,120 for the 7,835 computers that were to remain in the schools for the additional year. The current cost to extend the manufacturer's warranty from three to four years is \$65 per computer. As a result, for FY11-16 the cost to purchase the vendor's extended warranty is more expensive than directly completing the warranty work internally.

Even after budgeting for the 1.0 FTE position and the needed computer parts, MCPS built a savings into its Tech Mod budget request of \$200,000 to \$300,000 per fiscal year. If this position is not approved, these saved costs would have to be added back into the budget request to cover the cost of the extended warranties.

# Facility Planning: MCPS -- No. 966553

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	9,397	2,557	540	6,300	2,000	1,100	1,050	800	750	600	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>9,397</b>	<b>2,557</b>	<b>540</b>	<b>6,300</b>	<b>2,000</b>	<b>1,100</b>	<b>1,050</b>	<b>800</b>	<b>750</b>	<b>600</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	5,777	1,672	540	3,565	1,405	540	515	405	380	320	0
G.O. Bonds	2,735	0	0	2,735	595	560	535	395	370	280	0
Current Revenue: Recordation Tax	885	885	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>9,397</b>	<b>2,557</b>	<b>540</b>	<b>6,300</b>	<b>2,000</b>	<b>1,100</b>	<b>1,050</b>	<b>800</b>	<b>750</b>	<b>600</b>	<b>0</b>

#### DESCRIPTION

The facility planning process provides preliminary programs of requirements (PORs), cost estimates, and budget documentation for selected projects. This project serves as the transition stage from the master plan or conceptual stage to inclusion of a stand-alone project in the CIP. There is a continuing need for the development of accurate cost estimates and an exploration of alternatives for proposed projects. Implementation of the facility planning process results in realistic cost estimates, fewer and less significant cost overruns, fewer project delays, and improved life-cycle costing of projects.

An FY 2009 appropriation was approved to provide funding for the pre-planning for five modernizations, a new middle school and seven school capacity additions, an assessment to determine the next set of schools to be proposed in the restroom renovation project, and a feasibility study for the auditorium at Sligo Creek ES/Silver Spring International MS (Cross reference with Old Blair Auditorium in Cost Sharing: MCG Project #720601). An FY 2010 appropriation was approved to provide funding for the pre-planning for one modernization, eight addition projects, and to update feasibility studies previously completed, but then shelved due to the delay in modernization projects.

An FY 2011 appropriation is requested for the pre-planning of four modernizations, eight addition projects, an assessment to determine the next set of schools to be proposed for the modernization schedule, and an assessment of the current holding facilities. In the past, this project was funded solely by current revenue; however, as a result of new environmental regulation changes, design of site development concept plans must be done during the facility planning phase in order to obtain necessary site permits in time for the construction phase. Therefore, the funding sources shown on this PDF reflect the appropriate portions for both current revenue and GO bonds.

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP
Date First Appropriation		
First Cost Estimate		
Current Scope		
Last FY's Cost Estimate		
Appropriation Request		
Appropriation Request Est.		
Supplemental Appropriation Request		
Transfer		
Cumulative Appropriation		
Expenditures / Encumbrances		
Unencumbered Balance		
Partial Closeout Thru		
New Partial Closeout		
Total Partial Closeout		

# Current Replacements/Modernizations -- No. 926575 -- Master Project

Category  
SubCategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
On-going

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	66,343	22,271	5,989	38,083	7,644	10,179	9,198	7,200	3,862	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	132,351	27,266	7,979	91,027	15,139	19,886	18,919	15,403	20,160	1,520	6,079
Construction	781,897	213,872	66,251	458,226	66,515	84,010	100,817	114,990	61,198	30,696	43,548
Other	30,609	6,398	3,289	18,854	3,585	2,983	2,351	5,458	1,400	3,077	2,068
<b>Total</b>	<b>1,011,200</b>	<b>269,807</b>	<b>83,508</b>	<b>606,190</b>	<b>92,883</b>	<b>117,058</b>	<b>131,285</b>	<b>143,051</b>	<b>86,620</b>	<b>35,293</b>	*

## FUNDING SCHEDULE (\$000)

Contributions	790	455	335	0	0	0	0	0	0	0	0
Current Revenue: General	11,098	11,098	0	0	0	0	0	0	0	0	0
G.O. Bonds	781,824	183,263	55,156	491,710	83,348	100,384	88,911	97,154	86,620	35,293	51,695
State Aid	75,024	51,655	23,369	0	0	0	0	0	0	0	0
PAYGO	600	600	0	0	0	0	0	0	0	0	0
Recordation Tax	0	0	0	0	0	0	0	0	0	0	0
Current Revenue: Recordation Tax	64,619	21,421	2,248	40,950	0	0	19,050	21,900	0	0	0
Schools Impact Tax	77,245	1,315	2,400	73,530	9,535	16,674	23,324	23,997	0	0	0
<b>Total</b>	<b>1,011,200</b>	<b>269,807</b>	<b>83,508</b>	<b>606,190</b>	<b>92,883</b>	<b>117,058</b>	<b>131,285</b>	<b>143,051</b>	<b>86,620</b>	<b>35,293</b>	<b>51,695</b>

## OPERATING BUDGET IMPACT (\$000)

Energy				4,463	214	534	467	867	1,191	1,190
Maintenance				8,570	433	1,044	892	1,655	2,273	2,273
Program-Staff				144	72	72	0	0	0	0
<b>Net Impact</b>				<b>13,177</b>	<b>719</b>	<b>1,650</b>	<b>1,359</b>	<b>2,522</b>	<b>3,464</b>	<b>3,463</b>
WorkYears					1.0	1.0	0.0	0.0	0.0	0.0

### DESCRIPTION

This project combines all current modernization projects as prioritized by the FACT assessments. Future modernizations with planning in FY 2013 or later are in PDF No. 886536. Due to fiscal constraints, the FY 2005-2010 CIP adopted by the County Council, shifted funds for elementary school modernizations beginning with College Gardens ES and shifted funds for the Richard Montgomery and Walter Johnson high school modernization projects. An FY 2006 appropriation was approved for construction funds for two modernizations, and planning funds for three modernizations. During the budget process for the amendments to the FY 2005-2010 CIP, the County Council shifted the planning funds for Cashell and Galway elementary schools from FY 2006 to FY 2007, but did not change the completion dates.

An FY 2007 appropriation was approved for the balance of construction funds for two modernizations; construction funds for two modernizations; and planning funds for five modernizations. The County Council, in the FY 2007-2012 CIP, approved the acceleration of the modernization of Bells Mill Elementary School. An amendment to the FY 2007-2012 CIP was approved to provide an additional \$3.5 million in construction funding for one modernization project.

The approved FY 2008 appropriation will provide construction funding for five modernization projects and planning funds for two modernization projects. An FY 2008 transfer of \$3.1 million was approved for the Richard Montgomery HS modernization. Due to fiscal constraints, the County Council, in the adopted FY 2009-2014 CIP, delayed high school modernizations one year, with the exception of Wheaton HS which was delayed two years, beyond the Board of Education's request. An FY 2009 appropriation was approved to provide planning funds for three modernizations; construction funds for three modernizations; and furniture and equipment funds for five modernizations. An FY 2010 appropriation was approved to provide planning funds for five modernizations; construction funds for two modernizations; and furniture and equipment funds for three modernizations. An FY 2011 appropriation is requested to provide planning funds for one project; construction funds for three projects; and furniture and equipment funds for one project.

### OTHER DISCLOSURES

- MCPS asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.
- \* Expenditures will continue indefinitely.

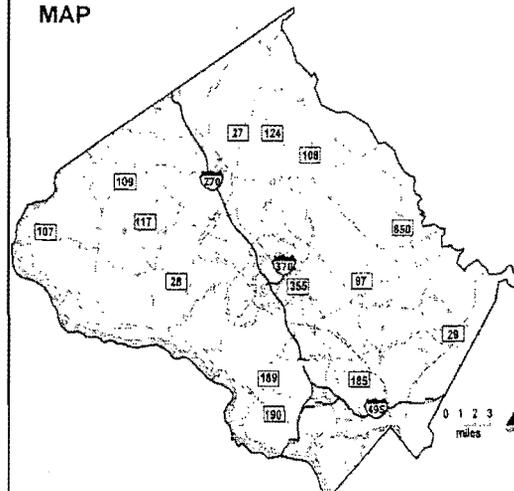
### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY	(\$000)
First Cost Estimate	FY02	311,823
Current Scope		
Last FY's Cost Estimate		1,095,187
Appropriation Request	FY11	49,281
Appropriation Request Est.	FY12	236,359
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		524,270
Expenditures / Encumbrances		331,613
Unencumbered Balance		192,657
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	32,546
Total Partial Closeout		32,546

### COORDINATION

Mandatory Referral - M-NCPPC  
Department of Environmental Protection  
Building Permits:  
Code Review  
Fire Marshall Inspections  
Department of Transportation  
Sediment Control  
Stormwater Management  
WSSC Permits

### MAP



# Future Replacements/Modernizations -- No. 886536 -- Master Project

Category  
SubCategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	30,887	0	0	18,237	0	0	1,185	2,714	6,636	7,702	12,650
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	68,166	0	0	26,095	0	0	0	0	8,153	17,942	42,071
Construction	324,842	0	0	61,041	0	0	0	0	25,926	35,115	263,801
Other	14,100	0	0	1,140	0	0	0	0	0	1,140	12,960
<b>Total</b>	<b>437,995</b>	<b>0</b>	<b>0</b>	<b>106,513</b>	<b>0</b>	<b>0</b>	<b>1,185</b>	<b>2,714</b>	<b>40,715</b>	<b>61,899</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	436,633	0	0	105,151	0	0	1,185	1,352	40,715	61,899	331,482
State Aid	0	0	0	0	0	0	0	0	0	0	0
Schools Impact Tax	1,362	0	0	1,362	0	0	0	1,362	0	0	0
<b>Total</b>	<b>437,995</b>	<b>0</b>	<b>0</b>	<b>106,513</b>	<b>0</b>	<b>0</b>	<b>1,185</b>	<b>2,714</b>	<b>40,715</b>	<b>61,899</b>	<b>331,482</b>

#### DESCRIPTION

The Board of Education strongly supports the upgrading of facilities through comprehensive modernizations to replace major building systems and to bring schools up to current educational standards. MCPS designed an instrument to assess the condition of the schools using the Facilities Assessment with Criteria and Testing (FACT) tool and rank schools in order of need. Schools are planned according to the priority listing in the FACT survey. As feasibility studies are completed and architectural planning is scheduled, individual schools move from this project to the Current Replacements/Modernizations PDF No. 926575.

On May 1, 2001, a 90-day moratorium on bidding MCPS construction projects was implemented due to rapidly escalating construction costs. In FY 2003, due to fiscal constraints, all future modernization projects were delayed. An amendment to the FY 2003-2008 CIP was approved to move one high school from this project to the Current Replacement/Modernization project. As part of the Board of Education's adopted FY 2004 Capital Budget and Amendments to the FY 2003-2008 CIP, planning expenditures for some future modernizations were shifted to more closely couple these planning expenditures with approved project construction schedules. The realignment of planning expenditures will not affect any project completion schedule. Due to fiscal constraints and delay in the elementary school modernization projects in the adopted FY 2005-2010 CIP, only one middle school modernization project moved from this project to the Current Replacement/Modernizations Project. As a result of the adopted FY 2007-2012 CIP, five elementary schools, one middle school, and one high school moved from this project to the Current Replacement/Modernizations Project. Also, six elementary schools, one middle school, and one high school now show expenditures in the adopted CIP, and therefore, were given completion dates for their modernizations.

The Board of Education's Requested FY 2009-2014 CIP moved six elementary schools, one middle school, and two high schools from this project to the Current Replacement/Modernizations Project. The Board of Education's request also provided completion dates for three elementary schools, one middle school and two high schools. Due to fiscal constraints, the County Council, in the adopted FY 2009-2014 CIP, delayed high school modernizations one year, with the exception of Wheaton HS which was delayed two years, beyond the Board of Education's request.

The Board of Education's Requested FY 2011-2016 CIP moved three elementary schools, one middle school, and one high school from this project to the Current Replacement/ Modernization project. Also, the Board of Education's request provided completion dates for one middle school and one high school. A complete list of modernizations is in Appendix E of the Superintendent's Recommended FY 2011 Capital Budget and FY 2011-2016 CIP.

#### FISCAL NOTE

State Reimbursement: Reimbursement of the state share of eligible costs will continue to be pursued.

The impact tax reflected in the expenditure schedule shown above is applied to the addition portions of some modernizations within this project.

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date First Appropriation</td> <td>FY</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY</td> <td>28,300</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>470,455</td> </tr> </table>	Date First Appropriation	FY	(\$000)	First Cost Estimate	FY	28,300	Current Scope			Last FY's Cost Estimate		470,455	<p>Mandatory Referral - M-NCPPC Department of Environmental Protection Building Permits: Code Review Fire Marshal Department of Transportation Inspections Sediment Control Stormwater Management WSSC Permits</p>	
Date First Appropriation	FY	(\$000)												
First Cost Estimate	FY	28,300												
Current Scope														
Last FY's Cost Estimate		470,455												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Appropriation Request</td> <td>FY11</td> <td>0</td> </tr> <tr> <td>Appropriation Request Est.</td> <td>FY12</td> <td>0</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> </table>	Appropriation Request	FY11	0	Appropriation Request Est.	FY12	0	Supplemental Appropriation Request		0	Transfer		0		
Appropriation Request	FY11	0												
Appropriation Request Est.	FY12	0												
Supplemental Appropriation Request		0												
Transfer		0												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Cumulative Appropriation</td> <td></td> <td>0</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>0</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>0</td> </tr> </table>	Cumulative Appropriation		0	Expenditures / Encumbrances		0	Unencumbered Balance		0					
Cumulative Appropriation		0												
Expenditures / Encumbrances		0												
Unencumbered Balance		0												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Partial Closeout Thru</td> <td>FY08</td> <td>0</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY09</td> <td>0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>0</td> </tr> </table>	Partial Closeout Thru	FY08	0	New Partial Closeout	FY09	0	Total Partial Closeout		0					
Partial Closeout Thru	FY08	0												
New Partial Closeout	FY09	0												
Total Partial Closeout		0												

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## Appendix R

# Assessing Schools for Modernization

In 1992, the Board of Education adopted a modernization policy that makes a strong statement for the need to update aging facilities through modernization in order to provide equitable learning environments across the county. Modernizations not only upgrade building systems, such as heating and air conditioning, plumbing, etc., it also bring aging facilities up to the same educational program standards as new schools. Modernizations also provide an opportunity to upgrade facilities to current building codes and regulations such as providing a facility that is accessible for persons with disabilities, abating hazardous materials, providing Fire Safety Code Upgrades, and improving Indoor Air Quality.

A detailed objective assessment process ranks schools in priority order for modernization. Facilities are evaluated based on physical condition and educational program capability. The physical condition assessment, called Facilities Assessment with Criteria and Testing (FACT), was developed by the MCPS Division of Construction with review and advice from facilities and planning staff members, experts from other area jurisdictions, and the Maryland State Department of Education School Construction Department. A team of trained technicians evaluates each school in need of modernization. Weighted scores are applied to the assessment for various aspects of the building, and based on the physical condition of the building, a final score is calculated, with a maximum of 1,000 points.

The Educational Program Assessment ranks each school based on how well the facility meets the educational space requirements of the current instructional program. This assessment process was developed in conjunction with MCPS instructional staff, planning and facilities staff, school principals, and Montgomery County Council of Parent Teacher Associations (MCCPTA) representatives. The Educational Program Assessment pays particular attention to comparing the amount of existing space within each building to the amount of space that would be provided by a modernization or a new school.

Other aspects of educational programs that are reviewed as part of the formal assessment relate to safety, security, energy conservation, and comfort.

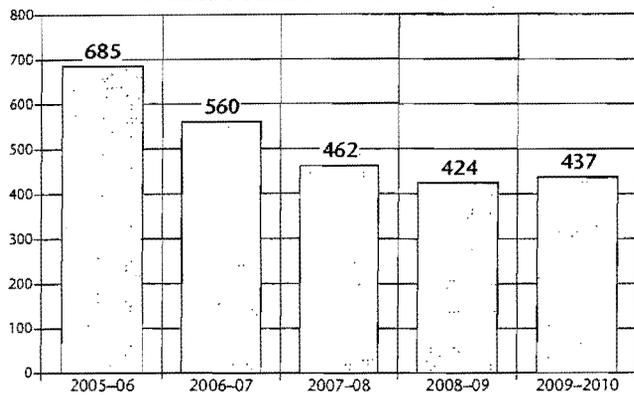
The Educational Program Assessment also has a maximum score of 1,000 points. When both assessments are combined, a maximum of 2,000 points is possible. Both assessment components were reviewed and approved by the Board of Education. This process is widely recognized by school officials and community leaders as an objective and impartial tool for prioritizing modernizations.

In FY 1993, the modernization assessment process was performed on 37 elementary and secondary schools in the current and future modernization program. The ranking was established and adopted as the priority for modernizations by the Board of Education and has been adhered to since that time. Of the original 37 schools that were assessed, seven remain to be completed on the schedule. The original 37 schools were placed on the list primarily based on the age of the facility.

In FY 1996, the Board of Education asked for funds to assess all remaining schools for modernization. The County Council appropriated enough funds to assess an additional 35 schools. The schools chosen for assessment in FY 1996 were schools that were built before 1970 that were never modernized, or schools that were renovated before 1977. These schools were added to the end of the first list of schools assessed for modernization.

In FY 2000, the seven remaining high schools that were not assessed in FY 1992 and FY 1996 were assessed and added to the modernization schedule. The schools were placed in ranked order after the schools assessed in FY 1996. There remains a list of 41 schools built or renovated before 1985 that have not been assessed, and have not been added to the modernization schedule. The list includes: 29 elementary schools, 11 middle schools, and 1 high school.

### Number of Relocatable Classrooms in Use at Schools



Source: Montgomery County Public Schools, Division of Construction.

### Interim Space Needs

The use of relocatable classrooms on a short-term basis has proven to be successful in providing schools the space necessary to deliver educational programs. Relocatable classrooms provide an interim learning environment for students until permanent capacity can be constructed. Relocatable classrooms also enable the school system to avoid significant capital investment where building needs are only short-term. The number of relocatable classrooms in use grew dramatically as program initiatives described under Objective 1 were implemented and enrollment increased. The number of relocatables declined between 2005 and 2008 as enrollment plateaued. However, with enrollment increasing again, the number of relocatables is going up again. This school year about 10,000 students attended class in 436 relocatable classrooms. This number does not include relocatable classrooms used to stage construction on site at schools or ones located at holding facilities and other facilities throughout the school system. Continued reduction of relocatable use is an objective of MCPS facility plans.

### Non-Capital Actions

The superintendent released a boundary recommendation on October 15, 2009 to relieve overutilization at Sligo Creek Elementary School. Capacity is being added at Takoma Park Elementary School to accommodate students from Sligo Creek Elementary School. The boundary study included representatives from East Silver Spring, Piney Branch, Sligo Creek, and Takoma Park elementary schools. Because East Silver Spring, Piney Branch, and Takoma Park elementary schools articulate to Takoma Park Middle School and Sligo Creek Elementary School articulates to Silver Spring International Middle School, the scope of the boundary study included representatives from these middle schools. Board of Education action is scheduled for November 19, 2009 with implementation of the boundaries beginning in August 2010.

Two new boundary studies are recommended as part of the Recommended FY 2011-2016 CIP. The first boundary study is recommended to evaluate reassignment of the western portion of the Bethesda Elementary School service area (that articulates to the Walt Whitman cluster secondary schools). Representatives

from Bethesda Elementary School in the Bethesda-Chevy Chase cluster and Bradley Hills Elementary School in the Walt Whitman cluster will participate in the boundary advisory committee. The boundary study will take place in the winter of 2009-2010. The superintendent will make a recommendation in February 2010 for Board of Education action in March 2010.

The second boundary study is recommended to explore the option of reassigning Rockwell Elementary School from Rocky Hill Middle School to John T. Baker Middle School. The boundary study will include representatives from Rockwell Elementary School, John T. Baker, and Rocky Hill middle schools. Rockwell Elementary School articulates to Damascus High School. For students who live in the Rockwell Elementary School service area, reassignment from Rocky Hill Middle School to John T. Baker Middle School would provide a straight articulation pattern from elementary school, to middle school, and then to high school. The boundary study will take place in the spring of 2010. The superintendent will make a recommendation in October 2010 for Board of Education action in November 2010.

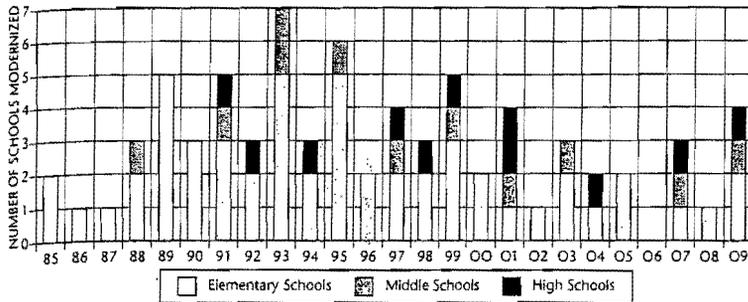
## OBJECTIVE 3: Modernize Schools Through a Systematic Modernization Schedule

The Board of Education, superintendent, and school community recognize the necessity of modernizing older schools. Modernizations update school facilities and provide the variety of instructional spaces necessary to effectively deliver the current curriculum. Modernizing a school also provides access to up-to-date information technology for students, staff, and the community. The cost to modernize an older school so that it is educationally, technologically, and physically up-to-date, is similar to the cost of constructing a new school. At some schools, a 20-year life cycle cost analysis shows it is more cost effective to replace an older school facility rather than modernizing it. In addition, modernizations are critical components in revitalizing older, established neighborhoods and providing equity with newer schools.

Since 1985, 75 schools have been modernized, including 53 elementary schools, 11 middle schools, and 11 high schools. Although this is a large number of facilities, the current pace of modernization does not allow MCPS to modernize schools in the time frame desired. At the current rate, elementary schools are being modernized on a 65 year cycle, middle schools on a 76 year cycle, and high schools on a 50 year cycle. Because of funding limitations and a lack of secondary holding facilities, MCPS has been unable to accelerate the pace of modernizations.

In order to accelerate the pace of secondary school modernizations, funding is recommended in the Rehabilitation/Renovation of Closed Schools (RROCS) project, to take possession of the Broome facility (currently owned by Montgomery County) and reopen it as a middle school holding facility. This facility will require significant facility modifications to support a middle school program. In addition, since the reopening of Northwood

## School Modernizations 1985–2009\*



- 1985 — Oak View ES, Woodfield ES
- 1986 — Twinbrook ES
- 1987 — Cedar Grove ES
- 1988 — Bannockburn ES, Rosemary Hills ES, Gaithersburg MS
- 1989 — Cloverly ES, Highland ES, Laytonville ES, Monrocy ES, Montgomery Knolls ES
- 1990 — Olney ES, Westbrook ES
- 1991 — Beall ES, Burning Tree ES, Viers Mill ES, Sligo MS, Sherwood HS
- 1992 — Pine Crest ES, Travilah ES, Walt Whitman HS
- 1993 — Ashburton ES, Burtonsville ES, Clarkburg ES, Forest Knolls ES, Oakland Terrace ES, Pyle MS, White Oak MS
- 1994 — Highland View ES, Meadow Hall ES, Springbrook HS
- 1995 — Brookhaven ES, Georgian Forest ES, Jackson Road ES, North Chevy Chase ES, Rosemont ES, Julius West MS
- 1996 — Flower Valley ES, Kemp Mill ES
- 1997 — Ritchie Park ES, Wyngate ES, Westland MS, Albert Einstein HS
- 1998 — Lucy Barnsley ES, Westover ES, Montgomery Blair HS
- 1999 — Bethesda ES, Harmony Hills ES, Rock View ES, Takoma Park MS, John F. Kennedy HS
- 2000 — Mill Creek Towne ES, Chevy Chase ES
- 2001 — Rock Creek Valley ES, Earle B. Wood MS, Bethesda-Chevy Chase HS
- 2002 — Wood Acres ES
- 2003 — Lakewood ES, William Tyler Page ES
- 2004 — Glen Haven ES, Rockville HS
- 2005 — Somerset ES, Kensington-Parkwood ES
- 2006 — None
- 2007 — College Gardens ES, Parkland MS, Richard Montgomery HS
- 2008 — Galway ES
- 2009 — Bells Mill ES, Cashell ES, Francis Scott Key MS, Walter Johnson HS

\*School Year Completed  
Source: Montgomery County Public Schools, Division of Long-range Planning

already been assessed for modernization. In order to continue with the modernizations program, schools that were built or renovated before 1985 need to be assessed for modernization. The FACT assessment tool will need to be reviewed and updated to reflect current building codes and educational program needs for schools. Staff from the Department of Facilities Management will update the FACT assessment tool and provide opportunity for community review and comment beginning in January 2010. Concurrent with the review of the FACT tool, the superintendent is recommending rescinding the Modernization Policy (FKB) and incorporating modernization provisions in the Long-range Educational Facilities Planning Policy and Regulation (FAA and FAA-RA).

Following the update of the FACT assessment tool, the next round of schools will be assessed for modernization by consultants. An FY 2011 appropriation is recommended for facility planning funds to conduct the assessments. It is anticipated that the new queue of schools will be published as part of the FY 2013–2018 CIP in the fall of 2011.

High School in 2004, there has been no high school holding facility. Tilden Middle School is currently located at the Woodward facility that is located on Old Georgetown Road. Rather than modernize the Woodward facility for Tilden Middle School, the current Tilden Holding Facility, that is used for middle schools and is located on Tilden Lane, will be modernized to house Tilden Middle School. The Woodward facility will then become a secondary school holding facility for middle and high school modernizations scheduled after Tilden Middle School. Funding is recommended in the RROCS project to make facility modifications to the Woodward facility.

The school modernization schedule is based on a standardized assessment tool called FACT—Facilities Assessment with Criteria and Testing. Schools beyond a certain age were assessed and scored on a standard set of facility and educational program space criteria. Schools that were scheduled for modernization were ordered according to their ranking after the assessment (See appendix R). The order of modernizations for assessed schools is found in appendix E. The Recommended FY 2011–2016 CIP includes funding for planning and/or constructions funds for the remaining elementary school that have

### OBJECTIVE 4: Provide Schools that Are Environmentally Safe, Secure, Functionally Efficient, and Comfortable

To maintain and extend the useful life of school facilities, MCPS follows a continuum of activities that begins the first day a new school is opened and ends when a school's modernization begins. Funding for maintenance activities is found in both the capital and operating budgets. The trend for the past five years has been a level of funding effort in both budgets for building maintenance and systemic renovations. Until the modernization program reaches an acceptable cycle, additional funding needs to be dedicated to regular, preventive, and capital maintenance activities. Understanding the full cost of building maintenance is critical to developing a balance between the comprehensive maintenance plan and a modernization schedule that reflects the school system's priorities.

#### Holding Facility Schedule

Holding Facility	SY 09–10	SY 10–11	SY 11–12	SY 12–13	SY 13–14	SY 14–15	SY 15–16
<b>ELEMENTARY SCHOOLS</b>							
North Lake		Farmland	Beverly Farms		Bel Pre		Wheaton Woods
Radnor	Carderock Springs	Seven Locks		Bradley Hills	Rock Creek Forest		Wayside
Grasvenor	Takoma Park	Garrett Park		Weller Road	Candlewood		Brown Station
Fairland	Cresthaven	Cannon Road		Glenallan			
<b>MIDDLE SCHOOLS</b>							
Tilden Center		Cabin John		Herbert Hoover		William H. Farquhar	Tilden at Woodward

# Appendix E

## Modernization Schedule for Assessed Schools

Schools	Year Built	Year Renovated	FACT Score	Approved Schedule
<b>Elementary</b>				
Cashell	1969		1292	8/2009
Cresthaven	1962		1311	8/2010
Carderock Springs	1966		1316	8/2010
Bells Mill	1968		1319	8/2009
Farmland	1963		1417	8/2011
Seven Locks	1964		1344	1/2012
Cannon Road	1967		1357	1/2012
Garrett Park	1948	1973	1388	1/2012
Glenallan	1966		1418	8/2013
Beverly Farms	1965		1427	8/2013
Weller Road	1953	1975	1461	8/2013
Bel Pre	1968		1476	8/2014
Candlewood	1968		1489	1/2015
Rock Creek Forest	1950	1971	1492	1/2015
Wayside	1969		1502	8/2016
Brown Station	1969		1516	8/2016
Wheaton Woods	1952	1976	1525	8/2016
Potomac	1949	1976	1550	1/2018
Luxmanor	1966		1578	1/2018
Maryvale	1969		1578	1/2018
Sandburg	1962		*****	TBD
<b>Middle</b>				
Francis Scott Key	1967		1389	8/2009
Cabin John	1968		1422	8/2011
Herbert Hoover	1966		1427	8/2013
William H. Farquhar	1968		1434	8/2015
Tilden @ Woodward	1966		1455	8/2017
Eastern	1951	1976	1472	8/2019
E. Brooke Lee	1966		1479	TBD
<b>High</b>				
Walter Johnson	1956	1977	1405	1/2010 Building 8/2010 Site
Paint Branch	1969		1425	8/2012 Building 8/2013 Site
Gaithersburg	1951	1978	1214	8/2013 Building 8/2014 Site
Wheaton	1954	1983	1220	8/2015 Building 8/2016 Site
Seneca Valley	1974		1254	8/2016 Building 8/2017 Site
Thomas S. Wootton	1970		1301	8/2018 Building 8/2019 Site
Poolesville	1953	1978	1362	TBD
Col. Zadok Magruder	1970		1471	TBD
Damascus	1950	1978	1496	TBD

**Note:** Schools were assessed for modernization in 1992, 1996, and 1999. There is some overlap in scores due to the four year gap in dates of the assessments. Schools on the 1992 list would have been four years older and may have had lower scores if the school from both lists were assessed at the same time. No funds have been allocated to complete the assessments of the remaining elementary and middle schools.

**TBD** Projects that do not have planning and/or construction expenditures in the Superintendent's Recommended FY2011 Capital Budget and the FY2011-2016 CIP have completion dates to be determined (TBD). This TBD status will be revised in a future CIP.



## BOE Requested FY11-16 Modernization Expenditure Schedule

Completion Date	School	Through Total FY09	Estimate FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years	
Aug-10	Cresthaven ES	25,549	20,632	4,917	4,917							
Aug-10	Carderock Springs ES	23,187	17,070	6,117	6,117							
Aug-11	Cabin John MS	38,572	4,460	34,112	15,607	18,505						
Aug-12	Paint Branch HS	96,495	4,642	91,853	20,449	19,984	35,176	16,244				
Aug-11	Famland ES	21,482	4,610	16,872	9,328	7,544						
Jan-12	Cannon Road ES	25,925	600	25,325	17,264	8,061						
Jan-12	Garrett Park ES	25,016	688	24,328	14,890	9,438						
Aug-13	Gaithersburg HS	117,149	1,406	115,743	2,109	22,913	42,441	33,943	14,337			
Aug-09	Carl Sandburg Learning C	-	-	-	-	-	-	-	-	-	-	
Aug-13	Glenallan ES	29,091	220	28,871	441	6,306	9,345	12,779				
Aug-13	Beverly Farms ES	28,747	221	28,526	442	6,456	10,313	11,315				
Aug-13	Weller Road ES	24,119	182	23,937	363	5,395	8,701	9,478				
Aug-13	Herbert Hoover MS	47,930	371	47,559	741	10,740	15,596	9,625	10,857			
Aug-14	Bel Pre ES	26,241	-	26,241	215	429	7,137	10,092	8,368			
Jan-15	Candlewood ES	20,034	-	20,034		152	304	4,428	7,145	8,005		
Jan-15	Rock Creek Forest ES	24,465	-	24,465		185	371	5,458	8,782	9,669		
Aug-15	William Farquhar MS	47,798	-	35,190		345	690	10,758	17,285	6,112	12,608	
Aug-16	Wheaton HS	91,187	-	52,100		605	1,211	18,931	19,846	11,507	39,087	
	<b>Subtotal - Current Mods</b>	<b>712,987</b>	<b>-</b>	<b>55,102</b>	<b>606,190</b>	<b>92,883</b>	<b>117,058</b>	<b>131,285</b>	<b>143,051</b>	<b>86,620</b>	<b>35,293</b>	<b>51,695</b>
Aug-16	Wayside ES	18678		9869			142	284	4386	5057	8809	
Aug-16	Brown Station ES	23136		12817			176	351	5488	6802	10319	
Aug-16	Wheaton Woods ES	24584		13772			186	372	5844	7370	10812	
Aug-17	Seneca Valley HS	102914		50744			681	1362	23097	25604	52170	
Aug-17	Tilden @ Woodward MS	47921		6260				345	690	5225	41661	
Jan-18	Potomac ES	23123		3309					175	3134	19814	
Jan-18	Maryvale ES	25193		3793					190	3603	21400	
Jan-18	Luxmanor ES	24410		3620					185	3435	20790	
Aug-19	Wootton HS	99598		1980					660	1320	97618	
Aug-19	Eastern MS	48438		349						349	48089	
	<b>Subtotal - Future Mods</b>	<b>437,995</b>	<b>-</b>	<b>-</b>	<b>106,513</b>	<b>-</b>	<b>-</b>	<b>1,185</b>	<b>2,714</b>	<b>40,715</b>	<b>61,899</b>	<b>331,482</b>
	<b>Total Modernizations</b>	<b>1,150,982</b>	<b>-</b>	<b>55,102</b>	<b>712,703</b>	<b>92,883</b>	<b>117,058</b>	<b>132,470</b>	<b>145,765</b>	<b>127,335</b>	<b>97,192</b>	<b>383,177</b>

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# Rehab/Reno.Of Closed Schools- RROCS -- No. 916587 -- Master Project

Category  
SubCategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	9,662	2,690	642	5,786	856	642	0	0	2,627	1,661	544
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	13,504	4,380	0	8,355	3,168	2,112	0	0	0	3,075	769
Construction	122,425	38,263	0	46,372	4,656	9,312	9,312	0	0	23,092	37,790
Other	5,306	2,956	0	950	0	760	190	0	0	0	1,400
<b>Total</b>	<b>150,897</b>	<b>48,289</b>	<b>642</b>	<b>61,463</b>	<b>8,680</b>	<b>12,826</b>	<b>9,502</b>	<b>0</b>	<b>2,627</b>	<b>27,828</b>	<b>40,503</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	2,765	2,765	0	0	0	0	0	0	0	0	0
G.O. Bonds	123,920	21,312	642	61,463	8,680	12,826	9,502	0	2,627	27,828	40,503
State Aid	16,139	16,139	0	0	0	0	0	0	0	0	0
PAYGO	375	375	0	0	0	0	0	0	0	0	0
Recordation Tax	7,000	7,000	0	0	0	0	0	0	0	0	0
Schools Impact Tax	698	698	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>150,897</b>	<b>48,289</b>	<b>642</b>	<b>61,463</b>	<b>8,680</b>	<b>12,826</b>	<b>9,502</b>	<b>0</b>	<b>2,627</b>	<b>27,828</b>	<b>40,503</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				1,340	272	272	199	199	199	199
Maintenance				3,368	922	922	381	381	381	381
Program-Other				4,344	2,172	2,172	0	0	0	0
Program-Staff				6,438	3,219	3,219	0	0	0	0
<b>Net Impact</b>				<b>15,490</b>	<b>6,585</b>	<b>6,585</b>	<b>580</b>	<b>580</b>	<b>580</b>	<b>580</b>
WorkYears					66.0	66.0	0.0	0.0	0.0	0.0

#### DESCRIPTION

MCPS retained some closed schools for use for office space, as holding schools, or for alternative programs. Occasionally a closed school is reopened as an operating school to address increasing enrollment. Some rehabilitation is necessary to restore spaces for contemporary instructional use.

An FY 2005 appropriation was approved for the reopening of the Downcounty Consortium ES #27 (Connecticut Park), planning funds for the reopening of Col. Belt Junior High School, and funds for two stand-alone modular buildings for the Infants & Toddlers Program staff at Neelsville MS and Rosa Parks MS, provided funds for the relocation of administrative office space currently housed at Connecticut Park, and provided funds for the relocation of offices currently housed at the North Lake holding facility. Due to fiscal constraints in the FY 2005-2010 CIP, the County Council shifted funds for the Downcounty Consortium ES #28 one year, changing the completion date to September 2006.

An FY 2006 appropriation was approved for construction funds for Downcounty Consortium ES #28, and furniture and equipment funds for DCC ES #27. A Special Appropriation and amendment to the FY 2005-2010 CIP was approved in the amount of \$2.4 million for the DCC ES #27 to provide additional funding due to rising construction costs. The Board of Education's FY 2009-2014 CIP included a request for DCC ES #29 (McKenney Hills Reopening) to relieve the overutilization at Oakland Terrace and Woodlin elementary schools. An FY 2010 appropriation was approved for planning funds. An FY 2011 appropriation is requested for the construction funds for the reopening of McKenney Hills. This project is scheduled to be completed in August 2012. Expenditures shown in the outyears of this PDF are earmarked for the reopening of Broome Junior High School and the reuse of Woodward High School as holding facilities during secondary school modernizations. The balance of funding for both of these projects will be shown in a future CIP.

#### OTHER DISCLOSURES

- MCPS asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Date First Appropriation</td> <td>FY</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY</td> <td>15,152</td> </tr> <tr> <td>Current Scope</td> <td></td> <td></td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>76,812</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Appropriation Request</td> <td>FY11</td> <td>28,560</td> </tr> <tr> <td>Appropriation Request Est.</td> <td>FY12</td> <td>951</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Cumulative Appropriation</td> <td></td> <td>50,428</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>47,761</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>2,667</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td>Partial Closeout Thru</td> <td>FY08</td> <td>19,186</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY09</td> <td>0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>19,186</td> </tr> </table>	Date First Appropriation	FY	(\$000)	First Cost Estimate	FY	15,152	Current Scope			Last FY's Cost Estimate		76,812				Appropriation Request	FY11	28,560	Appropriation Request Est.	FY12	951	Supplemental Appropriation Request		0	Transfer		0				Cumulative Appropriation		50,428	Expenditures / Encumbrances		47,761	Unencumbered Balance		2,667				Partial Closeout Thru	FY08	19,186	New Partial Closeout	FY09	0	Total Partial Closeout		19,186	<p><b>MANDATORY REFERRAL - M-NCPPC</b> Department of Environmental Protection Building Permits: Code Review Fire Marshal</p> <p>Department of Transportation Inspections Sediment Control Stormwater Management WSSC Permits</p>	
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Total Partial Closeout		19,186																																																			

(6)

# Reopening of Broome JHS -- No. 116501

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

October 23, 2009  
No  
None  
Under Construction

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	2,720	0	0	2,176	0	0	0	0	1,360	816	544
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	3,844	0	0	3,075	0	0	0	0	0	3,075	769
Construction	33,120	0	0	11,560	0	0	0	0	0	11,560	21,560
Other	1,400	0	0	0	0	0	0	0	0	0	1,400
<b>Total</b>	<b>41,084</b>	<b>0</b>	<b>0</b>	<b>16,811</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,360</b>	<b>15,451</b>	<b>24,273</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	41,084	0	0	16,811	0	0	0	0	1,360	15,451	24,273
<b>Total</b>	<b>41,084</b>	<b>0</b>	<b>0</b>	<b>16,811</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,360</b>	<b>15,451</b>	<b>24,273</b>

#### DESCRIPTION

The scheduling of modernizations is consistent with the MCPS long-range plans to renew aging facilities on a rational and periodic basis. In order to accelerate the pace of secondary school modernizations, the Requested FY2011-2016 CIP includes expenditures in the out-years of the CIP to reopen the Broome facility, currently owned by Montgomery County, for use as a middle school holding facility. This facility will require significant modifications to support a middle school program.

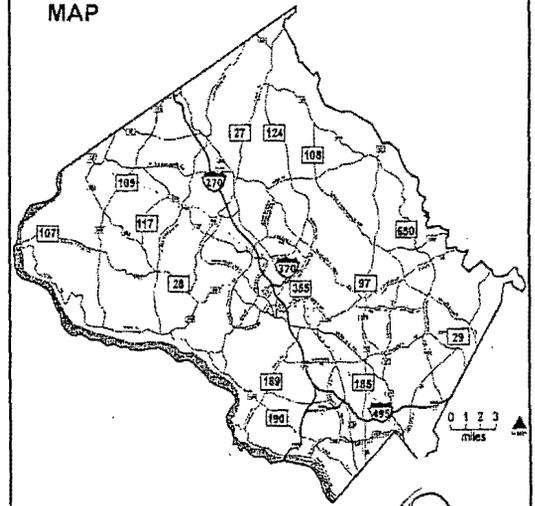
Planning funds will be requested in FY 2015 to begin required modifications to the current facility. This project is scheduled to be completed by August 2017.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY	(\$000)
First Cost Estimate		
Current Scope	FY	0
Last FY's Cost Estimate		0
Appropriation Request	FY11	0
Appropriation Request Est.	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

#### COORDINATION

#### MAP



# Reuse of Woodward HS as a Holding Facility -- No. 116502

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

October 23, 2009  
No  
None  
Under Construction

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	2,112	0	0	2,112	0	0	0	0	1,267	845	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	27,762	0	0	11,532	0	0	0	0	0	11,532	16,230
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>29,874</b>	<b>0</b>	<b>0</b>	<b>13,644</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,267</b>	<b>12,377</b>	<b>16,230</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	29,874	0	0	13,644	0	0	0	0	1,267	12,377	16,230
<b>Total</b>	<b>29,874</b>	<b>0</b>	<b>0</b>	<b>13,644</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,267</b>	<b>12,377</b>	<b>16,230</b>

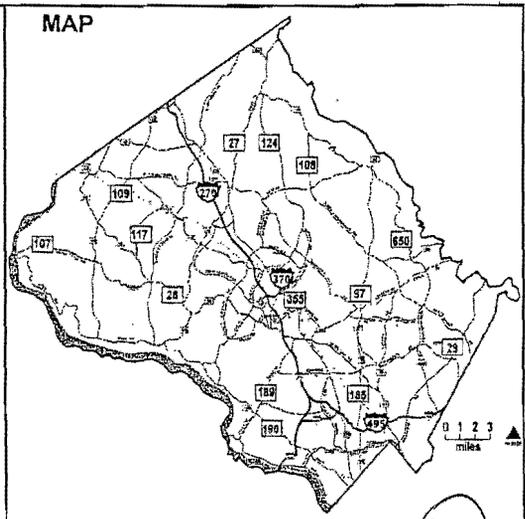
**DESCRIPTION**

The scheduling of modernizations is consistent with the MCPS long-range plans to renew aging facilities on a rational and periodic basis. Since the re-opening of Northwood High School in 2004, there has been no high school holding facility. Tilden Middle School is currently located at the Woodward facility, located on Old Georgetown Road and has expenditures in the Future Modernization PDF for a modernization. The Tilden Holding Facility, currently used to house middle schools during modernizations, is located on Tilden Lane. Instead of modernizing the Woodward facility for Tilden Middle School, expenditures included in the FY 2011-2016 CIP in the Future Modernization PDF will be used to modernize the Tilden Holding Facility for Tilden Middle School.

Expenditures in this PDF will be used to renovate the existing Woodward facility to be reused as a secondary school holding facility for modernizations scheduled after Tilden Middle School. Planning funds to begin renovations to Woodward facility will be requested in FY 2015. This project is scheduled to be completed August 2017.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY	(\$000)
First Cost Estimate	FY	0
Current Scope	FY	0
Last FY's Cost Estimate		0
Appropriation Request	FY11	0
Appropriation Request Est.	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

**COORDINATION**



Richard Montgomery Cluster ES Solution

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Rockville

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

January 26, 2010  
Yes  
None

Expenditures Schedule (\$000)

Cost Element	Total	Thru FY07	Est. FY08	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	710			710			355	213	142		
Land	0			0							
Site Improvements and Utilities	955			955				764	191		
Construction	4,536			4,536				907	1,361	2,268	
Other	450			450					94	356	
<b>Total</b>	<b>6,651</b>			<b>6,651</b>			<b>355</b>	<b>1,884</b>	<b>1,788</b>	<b>2,624</b>	

Funding Schedule (\$000)

GO Bonds	6,651			6,651			355	1,884	1,788	2,624	
<b>Total</b>	<b>6,651</b>			<b>6,651</b>			<b>355</b>	<b>1,884</b>	<b>1,788</b>	<b>2,624</b>	

Operating Budget Impact (\$000)

Energy											
Maintenance											
Program Staff											
<b>Net Impact</b>											

Description

Due to increasing enrollment growth, this project includes funds to design and construct eight permanent elementary school classrooms in the Richard Montgomery Cluster. These additional classrooms would meet capacity requirements under the Growth Policy, avoiding a residential moratorium in the Richard Montgomery Cluster. The County Council anticipates that ultimately the Board of Education will request one or more specific projects that will add these classrooms by the start of the 2016-2017 school year, and that these funds would be used for that purpose.

Capacity

Teaching Stations Added: 8

Appropriation and Expenditure Data	Coordination	Map
Date First Appropriation (\$000)	Mandatory Referral - M-NCPPC	
First Cost Estimate Current Scope 6,651	Department of Environmental Protection	
Last FY's Cost Estimate	Building Permits:	
Appropriation Request FY11	Code Review	
Appropriation Request Est. FY12	Fire Marshall	
Supplemental Approp. Request	Department of Transportation	
Transfer	Inspections	
Cumulative Appropriation	Sediment Control	
Expenditures/Encumbrances	Stormwater Management	
Unencumbered Balance	WSSC Permits	
Partial FY09		
New Partial Closeout FY10		
Total Partial Closeout		

## Relocatable Classrooms -- No. 846540

Category  
Subcategory  
Administering Agency  
Planning Area

**Montgomery County Public Schools**  
**Countywide**  
**MCPS**  
**Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**October 21, 2009**  
**No**  
**None**  
**On-going**

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,975	400	200	1,375	325	250	200	200	200	200	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	38,636	12,336	3,925	22,375	6,425	4,750	2,800	2,800	2,800	2,800	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>40,611</b>	<b>12,736</b>	<b>4,125</b>	<b>23,750</b>	<b>6,750</b>	<b>5,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	40,133	12,258	4,125	23,750	6,750	5,000	3,000	3,000	3,000	3,000	0
Current Revenue: Recordation Tax	478	478	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>40,611</b>	<b>12,736</b>	<b>4,125</b>	<b>23,750</b>	<b>6,750</b>	<b>5,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>0</b>

#### DESCRIPTION

MCPS currently has a total of 551 relocatable classrooms. Of the 551 relocatables, 437 are used to address over utilization at various schools throughout the system. The balance, 114 relocatables, are used at schools undergoing construction projects on-site, or at holding schools, or for other uses countywide. Units around 15-20 years old require general renovation if they are to continue in use as educational spaces.

The County Council, on April 4, 2006, approved a \$3.0 million special appropriation requested by the Board of Education to allow MCPS to enter into contracts in order to have the relocatable units ready for the 2006-2007 school year. Also, an FY 2006 special appropriation in the amount of \$975,000 was approved to provide relocatable classrooms for the acceleration of full-day kindergarten for the schools scheduled to receive the program in the 2007-2008 school year. An FY 2006 special appropriation in the amount of \$2.1 million was approved to return 121 relocatables to the vendor in order to begin the process of systematically removing aging relocatables from our schools. The \$2.1 million also provided for the replacement of six older units, the relocation of six units and the addition of a canopy at a school.

The County Council approved, in the FY 2007-2012 CIP, additional expenditures in FY 2007 and FY 2008 to provide replacement relocatables for Potomac Elementary School and to provide relocatables for Bells Mill Elementary School when the school moved to the Grosvenor holding facility during modernization. The County Council, on May 8, 2007 approved a \$3.572 million special appropriation that accelerated the FY 2008 appropriation requested by the Board of Education to allow MCPS to enter into contracts to have the relocatable units ready for the 2007-2008 school year. An FY 2008 special appropriation of \$3.125 million was approved by the County Council on April 22, 2008, to accelerate the FY 2009 appropriation requested by the Board of Education to allow MCPS to enter into contracts in order to have the relocatable units ready for the 2008-2009 school year. An FY 2009 special appropriation of \$3.125 million was approved by the County Council to accelerate the FY 2010 appropriation requested by the Board of Education to allow MCPS to enter into contracts in order to have the relocatable units ready for the 2009-2010 school year.

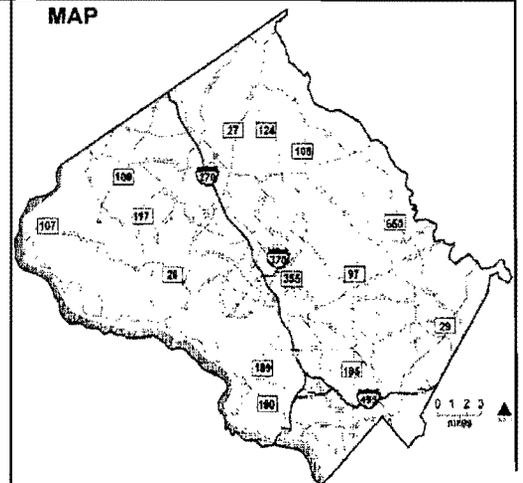
An FY 2010 appropriation and amendment to the FY 2009-2014 CIP was approved for an additional \$1.0 million beyond the \$3.125 million included in the adopted CIP to provide relocatable classrooms at schools experiencing unanticipated enrollment growth. An FY 2011 appropriation is requested to provide for the relocation of approximately 90 relocatable classrooms to address overutilization at various schools throughout the county. The FY 2011 appropriation also will provide necessary repairs to maintain the relocatable classroom inventory.

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY84	(\$000)
First Cost Estimate	FY02	21,470
Current Scope		
Last FY's Cost Estimate		25,561
Appropriation Request	FY11	6,750
Appropriation Request Est.	FY12	5,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		16,861
Expenditures / Encumbrances		16,819
Unencumbered Balance		42
Partial Closeout Thru	FY08	56,588
New Partial Closeout	FY09	0
Total Partial Closeout		56,588

**COORDINATION**  
CIP Master Plan for School Facilities

**MAP**



(68)

# Bradley Hills ES Addition -- No. 116503

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Bethesda-Chevy Chase

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,170	0	0	1,170	585	351	234	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	2,032	0	0	2,032	0	1,626	406	0	0	0	0
Construction	10,442	0	0	10,442	0	2,088	3,133	5,221	0	0	0
Other	605	0	0	605	0	0	121	484	0	0	0
<b>Total</b>	<b>14,249</b>	<b>0</b>	<b>0</b>	<b>14,249</b>	<b>585</b>	<b>4,065</b>	<b>3,894</b>	<b>5,705</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	14,249	0	0	14,249	585	4,065	3,894	5,705	0	0	0
<b>Total</b>	<b>14,249</b>	<b>0</b>	<b>0</b>	<b>14,249</b>	<b>585</b>	<b>4,065</b>	<b>3,894</b>	<b>5,705</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				138	0	0	0	46	46	46
Maintenance				264	0	0	0	88	88	88
<b>Net Impact</b>				<b>402</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>134</b>	<b>134</b>	<b>134</b>

#### DESCRIPTION

Enrollment projections indicate that Bradley Hills Elementary School will exceed its capacity by four classrooms or more by the end of the FY 2011-2016 six-year period. Also, student enrollment at elementary schools in the Bethesda-Chevy Chase Cluster has increased dramatically over the past two school years, causing the cluster to be placed in a housing moratorium according to the county's Annual Growth Policy.

Bethesda Elementary School is one of the schools in the Bethesda-Chevy Chase cluster that will exceed capacity throughout the FY 2011-2016 six-year planning period. Students in the western portion of the Bethesda Elementary School service area attend secondary schools in the Walt Whitman Cluster, instead of the secondary schools in the Bethesda-Chevy Chase Cluster.

As part of the Amended FY 2009-2014 Capital Improvements Program (CIP), a feasibility study was conducted during the 2008-2009 school year for an addition to Bradley Hills Elementary School. The scope of the feasibility study was expanded to include the option of accommodating the possible future reassignment of students that currently attend Bethesda Elementary School for Grades K-5 and articulate to secondary schools in the Walt Whitman cluster. The scope of the addition includes additional classrooms and an expansion of the administration suite and multipurpose room to accommodate the possible reassignment of students from Bethesda Elementary School.

Due to the expanded scope of the addition and in order to minimize disruption to the students and staff, the school will be housed at the Radnor Holding Facility during construction. The boundary study will take place in winter 2009 for Board of Education action in March 2010.

An FY 2011 appropriation is requested for planning funds. An FY 2012 appropriation will be requested for construction funds. This project is scheduled to be completed August 2013.

#### CAPACITY

Program Capacity After Project: 638

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP
Date First Appropriation FY11 (\$000)	Mandatory Referral - M-NCPPC	
First Cost Estimate	Department of Environmental Protection	
Current Scope FY 0	Building Permits:	
Last FY's Cost Estimate 0	Code Review	
	Fire Marshall	
Appropriation Request FY11 1,170	Department of Transportation	
Appropriation Request Est. FY12 12,474	Inspections	
Supplemental Appropriation Request 0	Sediment Control	
Transfer 0	Stormwater Management	
	WSSC Permits	
Cumulative Appropriation 0		
Expenditures / Encumbrances 0		
Unencumbered Balance 0		
Partial Closeout Thru FY08 0		
New Partial Closeout FY09 0		
Total Partial Closeout 0		

65

# Clarksburg Cluster ES (Clarksburg Village Site #1) -- No. 116504

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Clarksburg

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 13, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,567	0	0	1,567	784	470	313	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	4,699	0	0	4,699	0	3,759	940	0	0	0	0
Construction	20,800	0	0	20,800	0	4,160	6,240	10,400	0	0	0
Other	900	0	0	900	0	0	180	720	0	0	0
<b>Total</b>	<b>27,966</b>	<b>0</b>	<b>0</b>	<b>27,966</b>	<b>784</b>	<b>8,389</b>	<b>7,673</b>	<b>11,120</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	27,966	0	0	27,966	784	8,389	7,673	11,120	0	0	0
<b>Total</b>	<b>27,966</b>	<b>0</b>	<b>0</b>	<b>27,966</b>	<b>784</b>	<b>8,389</b>	<b>7,673</b>	<b>11,120</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

The Clarksburg Master Plan, approved in 1994, allows for the potential development of 15,000 housing units. Development of this community resulted in the formation of a new cluster of schools. Elementary School enrollment projections in the Clarksburg Cluster continue to increase dramatically throughout the FY 2011-2016 six-year CIP. This continued growth justifies the need for the opening of another elementary school in the Clarksburg Cluster. The new elementary school is intended to relieve overutilization at Cedar Grove, Clarksburg, and Little Bennett elementary schools.

An FY 2011 appropriation is requested for planning funds. An FY 2012 appropriation will be requested for construction funds. The project is scheduled to be completed by August 2013.

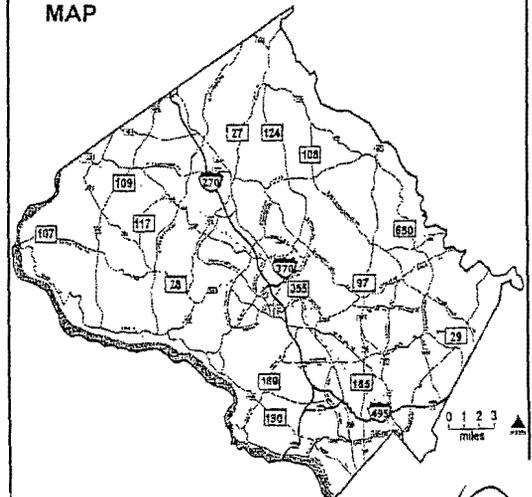
#### CAPACITY

Program Capacity After Project: 740

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY11	(\$000)
First Cost Estimate	FY	0
Current Scope	FY	0
Last FY's Cost Estimate		0
Appropriation Request	FY11	1,567
Appropriation Request Est.	FY12	25,498
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

**COORDINATION**  
Mandatory Referral - M-NCPPC  
Department of Environmental Protection  
Building Permits:  
Code Review  
Fire Marshall  
Department of Transportation  
Inspections  
Sediment Control  
Stormwater Management  
WSSC Permits

#### MAP



# Clarksburg HS Addition -- No. 116505

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Clarksburg

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 10, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	937	0	0	937	0	469	281	187	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	1,812	0	0	1,812	0	0	1,450	362	0	0	0
Construction	8,591	0	0	8,591	0	0	1,718	2,578	4,295	0	0
Other	675	0	0	675	0	0	0	135	540	0	0
<b>Total</b>	<b>12,015</b>	<b>0</b>	<b>0</b>	<b>12,015</b>	<b>0</b>	<b>469</b>	<b>3,449</b>	<b>3,262</b>	<b>4,835</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	12,015	0	0	12,015	0	469	3,449	3,262	4,835	0	0
<b>Total</b>	<b>12,015</b>	<b>0</b>	<b>0</b>	<b>12,015</b>	<b>0</b>	<b>469</b>	<b>3,449</b>	<b>3,262</b>	<b>4,835</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				160	0	0	0	0	80	80
Maintenance				304	0	0	0	0	152	152
<b>Net Impact</b>				<b>464</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>232</b>	<b>232</b>

#### DESCRIPTION

The Clarksburg Master Plan, approved in 1994, allows for the potential development of 15,000 housing units. Development of this community resulted in the formation of a new cluster of schools. Enrollment projections at Clarksburg High School reflect a need for an 18-classroom addition. Clarksburg High School has a program capacity for 1,566 students. Enrollment is expected to reach 1,958 students by the 2014-2015 school year. A feasibility study was conducted in FY 2009 to determine the cost and scope of the project.

An FY 2012 appropriation will be requested to begin planning this addition project. An FY 2013 appropriation will be requested for construction funds. This addition is scheduled to be completed by August 2014.

#### CAPACITY

Program Capacity after Project: 1,971

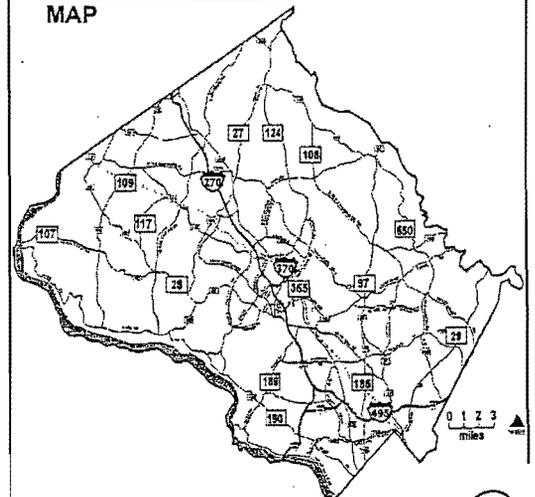
#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY	(\$000)
First Cost Estimate	FY	0
Current Scope		0
Last FY's Cost Estimate		0
Appropriation Request	FY11	0
Appropriation Request Est.	FY12	937
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

#### COORDINATION

Mandatory Referral - M-NCPPC  
Department of Environment Protection  
Building Permits:  
Code Review  
Fire Marshal  
Department of Transportation  
Inspections  
Sediment Control  
Stormwater Management  
WSSC Permits

#### MAP



# Clarksburg/Damascus MS (New) -- No. 116506

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Clarksburg

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	2,794	0	0	2,794	0	0	1,397	838	559	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	7,466	0	0	7,466	0	0	0	5,973	1,493	0	0
Construction	32,688	0	0	32,688	0	0	0	6,538	9,806	16,344	0
Other	1,400	0	0	1,400	0	0	0	0	280	1,120	0
<b>Total</b>	<b>44,348</b>	<b>0</b>	<b>0</b>	<b>44,348</b>	<b>0</b>	<b>0</b>	<b>1,397</b>	<b>13,349</b>	<b>12,138</b>	<b>17,464</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	44,348	0	0	44,348	0	0	1,397	13,349	12,138	17,464	0
<b>Total</b>	<b>44,348</b>	<b>0</b>	<b>0</b>	<b>44,348</b>	<b>0</b>	<b>0</b>	<b>1,397</b>	<b>13,349</b>	<b>12,138</b>	<b>17,464</b>	<b>0</b>

#### DESCRIPTION

The Clarksburg Master Plan, approved in 1994, allows for the potential development of 15,000 housing units. Development of this community resulted in the formation of a new cluster of schools. Enrollment projections at Rocky Hill Middle School continue to increase dramatically throughout the FY 2011-2016 six-year CIP. This continued growth justifies the need for the opening of another middle school to serve the Clarksburg/Damascus service areas.

Rocky Hill Middle School has a program capacity for 939 students. Enrollment is expected to reach 1,411 students by the 2015-2016 school year. A feasibility study was conducted in FY 2009 to determine the cost and scope of the project. The proposed middle school will have a program capacity of 988.

An FY 2013 appropriation will be requested to begin planning this new middle school. An FY 2014 appropriation will be requested for construction funds. This project is scheduled to be completed by August 2015.

#### CAPACITY

Program Capacity after Project: 988

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP
Date First Appropriation FY (\$000)	Mandatory Referral - M-NCPPC	
First Cost Estimate	Department of Environment Protection	
Current Scope FY 0	Building Permits:	
Last FY's Cost Estimate 0	Code Review	
	Fire Marshal	
Appropriation Request FY11 0	Department of Transportation	
Appropriation Request Est. FY12 0	Inspections	
Supplemental Appropriation Request 0	Sediment Control	
Transfer 0	Stormwater Management	
	WSSC Permits	
Cumulative Appropriation 0		
Expenditures / Encumbrances 0		
Unencumbered Balance 0		
Partial Closeout Thru FY08 0		
New Partial Closeout FY09 0		
Total Partial Closeout 0		

# Darnestown ES Addition -- No. 116507

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Darnestown

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 10, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	932	0	0	932	466	280	186	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	1,307	0	0	1,307	0	1,046	261	0	0	0	0
Construction	8,486	0	0	8,486	0	1,696	2,547	4,243	0	0	0
Other	375	0	0	375	0	0	75	300	0	0	0
<b>Total</b>	<b>11,100</b>	<b>0</b>	<b>0</b>	<b>11,100</b>	<b>466</b>	<b>3,022</b>	<b>3,069</b>	<b>4,543</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	11,100	0	0	11,100	466	3,022	3,069	4,543	0	0	0
<b>Total</b>	<b>11,100</b>	<b>0</b>	<b>0</b>	<b>11,100</b>	<b>466</b>	<b>3,022</b>	<b>3,069</b>	<b>4,543</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				171	0	0	0	57	57	57
Maintenance				330	0	0	0	110	110	110
<b>Net Impact</b>				<b>501</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>167</b>	<b>167</b>	<b>167</b>

#### DESCRIPTION

Enrollment projections at Darnestown Elementary School reflect a need for a 10-classroom addition. Darnestown Elementary School has a program capacity for 273 students. Enrollment is expected to reach 390 students by the 2013-2014 school year. A feasibility study was conducted in FY 2009 to determine the cost and scope of the project.

An FY 2011 appropriation is requested to begin planning this addition. An FY 2012 appropriation will be requested for construction funds. This project is scheduled to be completed by August 2013.

#### CAPACITY

Program Capacity after Addition: 455

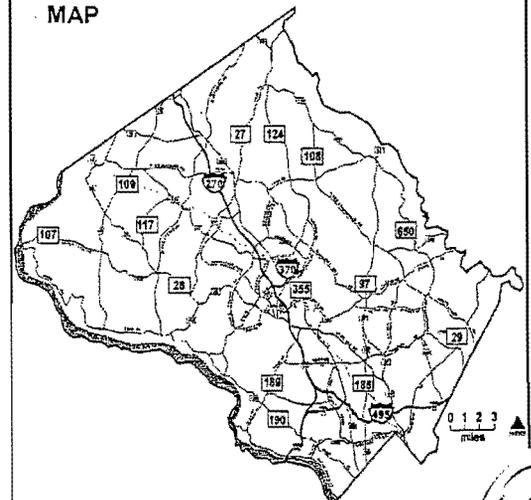
#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY11	(\$000)
First Cost Estimate	FY	0
Current Scope		
Last FY's Cost Estimate		0
Appropriation Request	FY11	932
Appropriation Request Est.	FY12	9,793
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

#### COORDINATION

Mandatory Referral - M-NCPPC  
Department of Environment Protection  
Building Permits:  
Code Review  
Fire Marshall  
Department of Transportation  
Inspections  
Sediment Control  
Stormwater Management  
WSSC Permits

#### MAP



# Downcounty Consortium ES #29 (Reopening of McKenne -- No. 096509)

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Countywide  
MCPS  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
Under Construction

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	2,140	0	642	1,498	856	642	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	5,280	0	0	5,280	3,168	2,112	0	0	0	0	0
Construction	23,280	0	0	23,280	4,656	9,312	9,312	0	0	0	0
Other	950	0	0	950	0	760	190	0	0	0	0
<b>Total</b>	<b>31,650</b>	<b>0</b>	<b>642</b>	<b>31,008</b>	<b>8,680</b>	<b>12,826</b>	<b>9,502</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	31,650	0	642	31,008	8,680	12,826	9,502	0	0	0	0
<b>Total</b>	<b>31,650</b>	<b>0</b>	<b>642</b>	<b>31,008</b>	<b>8,680</b>	<b>12,826</b>	<b>9,502</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				796	0	0	199	199	199	199
Maintenance				1,524	0	0	381	381	381	381
<b>Net Impact</b>				<b>2,320</b>	<b>0</b>	<b>0</b>	<b>580</b>	<b>580</b>	<b>580</b>	<b>580</b>

#### DESCRIPTION

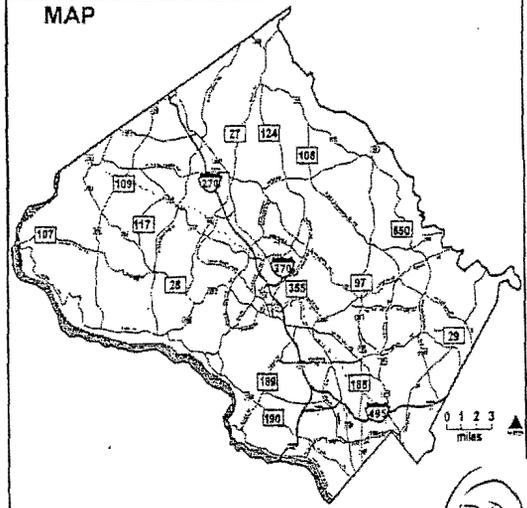
The reopening of McKenney Hills Elementary School is requested to relieve overutilization at Oakland Terrace and Woodlin elementary schools. Oakland Terrace Elementary School has a program capacity of 456. Enrollment is projected to reach 942 students by the 2012-2013 school year. Woodlin Elementary School has a program capacity of 386. Enrollment is projected to reach 541 students by the 2012-2013 school year.

An FY 2010 appropriation was approved for planning funds. An FY 2011 appropriation is requested for construction funds. This reopening is scheduled to be completed by August 2012.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY10	(\$000)
First Cost Estimate		0
Current Scope	FY	0
Last FY's Cost Estimate		28,523
Appropriation Request	FY11	28,560
Appropriation Request Est.	FY12	951
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,139
Expenditures / Encumbrances		0
Unencumbered Balance		2,139
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

#### COORDINATION

#### MAP



# Georgian Forest ES Addition -- No. 116508

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Silver Spring

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 10, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	897	0	0	897	449	269	179	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	1,272	0	0	1,272	0	1,018	254	0	0	0	0
Construction	8,006	0	0	8,006	0	1,601	2,402	4,003	0	0	0
Other	445	0	0	445	0	0	89	356	0	0	0
<b>Total</b>	<b>10,620</b>	<b>0</b>	<b>0</b>	<b>10,620</b>	<b>449</b>	<b>2,888</b>	<b>2,924</b>	<b>4,359</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	10,620	0	0	10,620	449	2,888	2,924	4,359	0	0	0
<b>Total</b>	<b>10,620</b>	<b>0</b>	<b>0</b>	<b>10,620</b>	<b>449</b>	<b>2,888</b>	<b>2,924</b>	<b>4,359</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				168	0	0	0	56	56	56
Maintenance				321	0	0	0	107	107	107
<b>Net Impact</b>				<b>489</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>163</b>	<b>163</b>	<b>163</b>

#### DESCRIPTION

Enrollment projections at Georgian Forest Elementary School reflect a need for a 14-classroom addition. Georgian Forest Elementary School has a program capacity for 308 students. Enrollment is expected to reach 544 students by the 2013-2014 school year. A feasibility study was conducted in FY 2009 to determine the cost and scope of the project.

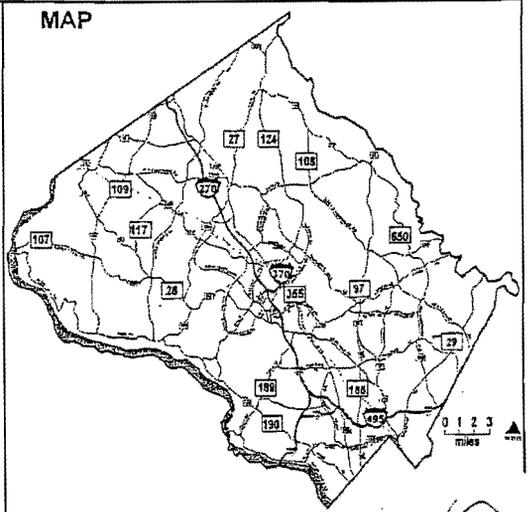
An FY 2011 appropriation is requested to begin planning this addition. An FY 2012 appropriation will be requested for construction funds. This project is scheduled to be completed by August 2013.

#### CAPACITY

Program Capacity after Project: 547

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY11	(\$000)
First Cost Estimate	FY	0
Current Scope	FY	0
Last FY's Cost Estimate		0
Appropriation Request	FY11	897
Appropriation Request Est.	FY12	9,277
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

**COORDINATION**  
Mandatory Referral - M-NCPPC  
Department of Environmental Protection  
Building Permits:  
Code Review  
Fire Marshal  
Department of Transportation  
Inspections  
Sediment Control  
Stormwater Management  
WSSC Permits



## Ridgeview MS - Improvements -- No. 016520

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Germantown

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 09, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,716	1,201	0	515	343	172	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	172	172	0	0	0	0	0	0	0	0	0
Construction	11,161	3,171	3,097	4,893	2,990	1,903	0	0	0	0	0
Other	475	150	75	250	200	50	0	0	0	0	0
<b>Total</b>	<b>13,524</b>	<b>4,694</b>	<b>3,172</b>	<b>5,658</b>	<b>3,533</b>	<b>2,125</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	12,494	3,664	3,172	5,658	3,533	2,125	0	0	0	0	0
Current Revenue: Recordation Tax	1,030	1,030	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>13,524</b>	<b>4,694</b>	<b>3,172</b>	<b>5,658</b>	<b>3,533</b>	<b>2,125</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

#### DESCRIPTION

Ridgeview Middle School was built in 1975 as an open plan facility. This facility is not scheduled for a modernization in the near future and requires certain improvements to the facility. The original scope of this project was to improve the interior circulation throughout the building, separate vehicular and pedestrian traffic for improved safety for students and faculty, reconfigure the administration suite for improved supervision of students, decentralize large locker banks for improved safety and circulation in the building, properly configure interior classrooms that were initially open space, modify certain mechanical systems, and address egress issues from the building. A feasibility study to determine the scope and cost of this project was completed in FY 2000.

Due to rising construction costs and the need to update the FY 2000 cost estimate, the expenditures for this project were increased in the adopted FY 2007-2012 CIP. An FY 2007 appropriation was approved to continue planning and architectural design for this project.

Due to fiscal constraints and projected revenue shortfalls in the county and state, the Superintendent's Recommended FY 2009-2014 CIP reduced the scope of this project. On November 27, 2007, the Board of Education adopted the Superintendent's recommendation to reduce the scope of the project and requested that MCPS conduct a second feasibility study to determine if the project can be further segmented to identify improvements that could be addressed in the future. Upon completion of the second feasibility study, the new scope of this project was determined and funding will reconfigure the administration suite for improved supervision of students, decentralize the large locker banks for improved safety and circulation in the building, renovate the existing science laboratories, and provide major enhancements to the HVAC system. An FY 2011 appropriation is requested to provide additional funding for this project to address the new scope listed above. This project is scheduled to be completed August 2012.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP
Date First Appropriation	Mandatory Referral - M-NCPPC	
First Cost Estimate	Department of Environmental Protection	
Current Scope	Building Permits:	
Last FY's Cost Estimate	Code Review	
	Fire Marshall	
Appropriation Request	Department of Transportation	
Appropriation Request Est.	Inspections	
Supplemental Appropriation Request	Sediment Control	
Transfer	Stormwater Management	
	WSSC Permits	
Cumulative Appropriation		See Map on Next Page
Expenditures / Encumbrances		
Unencumbered Balance		
Partial Closeout Thru		
New Partial Closeout		
Total Partial Closeout		

## Seven Locks ES Addition/Modernization -- No. 026503

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Potomac-Travilah

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	2,758	1,793	552	413	413	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	3,252	0	0	3,252	1,951	1,301	0	0	0	0	0
Construction	15,477	0	0	15,477	9,286	6,191	0	0	0	0	0
Other	800	0	0	800	640	160	0	0	0	0	0
<b>Total</b>	<b>22,287</b>	<b>1,793</b>	<b>552</b>	<b>19,942</b>	<b>12,290</b>	<b>7,652</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	16,987	1,793	552	14,642	12,290	2,352	0	0	0	0	0
Schools Impact Tax	5,300	0	0	5,300	0	5,300	0	0	0	0	0
<b>Total</b>	<b>22,287</b>	<b>1,793</b>	<b>552</b>	<b>19,942</b>	<b>12,290</b>	<b>7,652</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				70	0	14	14	14	14	14
Maintenance				240	0	48	48	48	48	48
<b>Net Impact</b>				<b>310</b>	<b>0</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>

#### DESCRIPTION

Enrollment projections for Potomac Elementary School are projected to exceed capacity throughout the six-year planning period. A feasibility study was completed in FY 2001 to determine the cost and scope of an addition at Potomac Elementary School. The County Council, in the Amended FY 2001-2006 CIP, directed the Board of Education to consider building an addition at Seven Locks Elementary School in lieu of an addition at Potomac Elementary School. Planning funds were approved to conduct a feasibility study at Seven Locks Elementary School to determine the scope and cost of an addition at this facility, to accommodate students from Potomac Elementary School. The Board of Education's Requested FY 2005-2010 CIP included a 10-classroom addition to Seven Locks Elementary School to be completed by August 2006, with the school's modernization to be completed by August 2010. On March 22, 2004, the Board of Education adopted a resolution to amend its Requested FY 2005 Capital Budget and FY 2005-2010 Capital Improvements Program (CIP). Included in the resolution was a request to remove funding for the addition planned for Seven Locks Elementary School, as well as funding for its modernization planned in the latter part of the CIP in the Future Replacement/Modernization project. Instead of these two projects, the Board of Education requested funding for a replacement facility for Seven Locks Elementary School, located on the Kendale site, to accommodate students from both Seven Locks Elementary School, as well as students from Potomac Elementary School.

On January 10, 2006, the Board of Education requested a \$3.3 million FY 2006 Special Appropriation and amendment to the FY 2005-2010 CIP to provide additional funding for this project due to rising construction costs. The County Council, on May 11, 2006 voted to deny this request. On May 17, 2006, the County Council approved that Seven Locks Elementary School would be modernized on site and would be completed by January 2012. The County Council also approved that the modernization of Bells Mill Elementary School would be accelerated one year and a boundary study between Potomac, Seven Locks, and Bells Mill elementary schools would be conducted prior to the completion of the modernization of Bells Mill Elementary School to address the overutilization at Potomac Elementary School. The intent of this adopted action by the County Council is to keep the existing Seven Locks Elementary School site a functioning educational facility for students in Kindergarten through Grade 5.

The modernized Seven Locks Elementary School will include additional capacity of approximately four to eight classrooms. This additional capacity will be part of the cluster-wide capacity solution for the Churchill Cluster. An FY 2008 appropriation was approved to begin planning this modernization. An FY 2009 appropriation was approved to continue planning and design of this modernization. An FY 2011 appropriation is requested for construction funds. This modernization is scheduled to be completed by January 2012.

#### CAPACITY

Program Capacity After Project: 4 to 8 classrooms above the current capacity.

Teaching Stations Added: 4 to 8 above the current number of teaching stations.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP
Date First Appropriation	Mandatory Referral - M-NCPPC	See Map on Next Page
First Cost Estimate	Department of Environmental Protection	
Current Scope	Building Permits:	
Last FY's Cost Estimate	Code Review	
	Fire Marshal	
Appropriation Request	Department of Transportation	
Appropriation Request Est.	Inspections	
Supplemental Appropriation Request	Sediment Control	
Transfer	Stormwater Management	
	WSSC Permits	
Cumulative Appropriation		
Expenditures / Encumbrances		
Unencumbered Balance		
Partial Closeout Thru		
New Partial Closeout		
Total Partial Closeout		

# Somerset ES Addition -- No. 116509

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Bethesda-Chevy Chase

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	201	0	0	201	181	20	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	1,160	0	0	1,160	1,044	116	0	0	0	0	0
Other	155	0	0	155	155	0	0	0	0	0	0
<b>Total</b>	<b>1,516</b>	<b>0</b>	<b>0</b>	<b>1,516</b>	<b>1,380</b>	<b>136</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	1,516	0	0	1,516	1,380	136	0	0	0	0	0
<b>Total</b>	<b>1,516</b>	<b>0</b>	<b>0</b>	<b>1,516</b>	<b>1,380</b>	<b>136</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				45	0	9	9	9	9	9
Maintenance				85	0	17	17	17	17	17
<b>Net Impact</b>				<b>130</b>	<b>0</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>

#### DESCRIPTION

Student enrollment at elementary schools in the Bethesda-Chevy Chase Cluster has increased dramatically over the past two school years, causing the cluster to be placed in a housing moratorium according to the county's Annual Growth Policy. Enrollment at Somerset Elementary School, located in the Bethesda-Chevy Chase Cluster, currently exceeds capacity and the school will continue to be overutilized throughout the FY 2011-2016 six-year planning period.

This school sits on one of the smallest sites in the county and cannot accommodate relocatable classrooms. Somerset Elementary School has a program capacity for 433 students. Enrollment is expected to reach 493 students by the 2010-2011 school year. When the school was modernized in 2005, four classrooms were master planned in the third floor of the building.

An FY 2011 appropriation is requested for planning and construction funds to build-out the four-classroom master planned addition. This project is scheduled to be completed during the 2010-2011 school year.

#### CAPACITY

Program Capacity after Project: 525

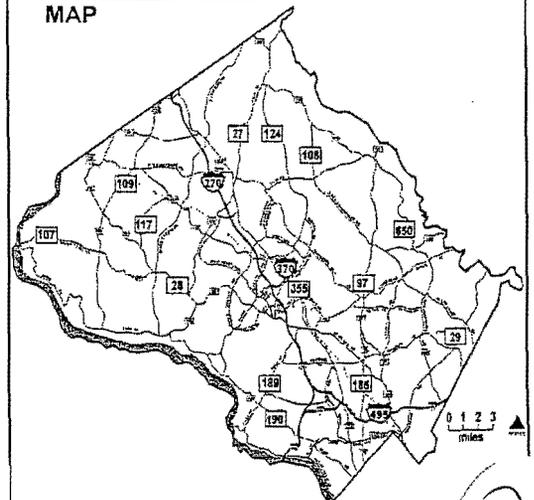
#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY11	(\$000)
First Cost Estimate		0
Current Scope	FY	0
Last FY's Cost Estimate		0
Appropriation Request	FY11	1,516
Appropriation Request Est.	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

#### COORDINATION

Mandatory Referral - M-NCPPC  
Department of Environmental Protection  
Building Permits:  
Code Review  
Fire Marshall  
Department of Transportation  
Inspections  
Sediment Control  
Stormwater Management  
WSSC Permits

#### MAP



# Viers Mill ES Addition -- No. 116510

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Silver Spring

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 16, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	953	0	0	953	477	285	191	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	1,088	0	0	1,088	0	870	218	0	0	0	0
Construction	8,568	0	0	8,568	0	1,715	2,569	4,284	0	0	0
Other	568	0	0	568	0	0	114	454	0	0	0
<b>Total</b>	<b>11,177</b>	<b>0</b>	<b>0</b>	<b>11,177</b>	<b>477</b>	<b>2,870</b>	<b>3,092</b>	<b>4,738</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	11,177	0	0	11,177	477	2,870	3,092	4,738	0	0	0
<b>Total</b>	<b>11,177</b>	<b>0</b>	<b>0</b>	<b>11,177</b>	<b>477</b>	<b>2,870</b>	<b>3,092</b>	<b>4,738</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				171	0	0	0	57	57	57
Maintenance				330	0	0	0	110	110	110
<b>Net Impact</b>				<b>501</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>167</b>	<b>167</b>	<b>167</b>

#### DESCRIPTION

Enrollment projections at Viers Mill Elementary School reflect a need for a 14-classroom addition. Viers Mill Elementary School has a program capacity for 357 students. Enrollment is expected to reach 661 students by the 2013-2014 school year. A feasibility study was conducted in FY 2009 to determine the cost and scope of the project.

An FY 2011 appropriation is requested to begin planning this addition. An FY 2012 appropriation will be requested for construction funds. This project is scheduled to be completed by August 2013.

#### CAPACITY

Program Capacity after Addition: 702

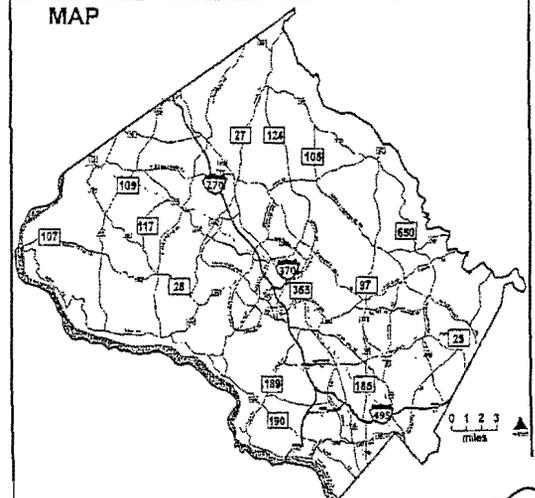
#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY11	(\$000)
First Cost Estimate	FY	0
Current Scope		
Last FY's Cost Estimate		0
Appropriation Request	FY11	953
Appropriation Request Est.	FY12	9,655
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

#### COORDINATION

Mandatory Referral - M-NCPPC  
Department of Environmental Protection  
Building Permits:  
Code Review  
Fire Marshall  
Department of Transportation  
Inspections  
Sediment Control  
Stormwater Management  
WSSC Permits

#### MAP



# Waters Landing ES Addition -- No. 116511

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Germantown

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 15, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	669	0	0	669	268	267	134	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	1,277	0	0	1,277	0	766	511	0	0	0	0
Construction	6,481	0	0	6,481	0	2,593	2,592	1,296	0	0	0
Other	400	0	0	400	0	0	250	150	0	0	0
<b>Total</b>	<b>8,827</b>	<b>0</b>	<b>0</b>	<b>8,827</b>	<b>268</b>	<b>3,626</b>	<b>3,487</b>	<b>1,446</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	8,827	0	0	8,827	268	3,626	3,487	1,446	0	0	0
<b>Total</b>	<b>8,827</b>	<b>0</b>	<b>0</b>	<b>8,827</b>	<b>268</b>	<b>3,626</b>	<b>3,487</b>	<b>1,446</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				114	0	0	0	38	38	38
Maintenance				237	0	0	0	79	79	79
<b>Net Impact</b>				<b>351</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>117</b>	<b>117</b>	<b>117</b>

#### DESCRIPTION

Due to enrollment growth at the elementary school level, the Seneca Valley Cluster is in a housing moratorium according to the county's Annual Growth Policy. To lift the moratorium, additional elementary school capacity must be built.

Enrollment projections at Waters Landing Elementary School reflect a need for a 11-classroom addition. Waters Landing Elementary School has a program capacity for 499 students. Enrollment is expected to reach 630 students by the 2013-2014 school year.

An FY 2011 appropriation is requested to begin planning this addition. An FY 2012 appropriation will be requested for construction funds. This project is scheduled to be completed by August 2013.

#### CAPACITY

Program Capacity after Addition: 736

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP																																										
<table border="1"> <tr> <td>Date First Appropriation</td> <td>FY11</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td></td> <td></td> </tr> <tr> <td>Current Scope</td> <td>FY</td> <td>0</td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>0</td> </tr> <tr> <td>Appropriation Request</td> <td>FY11</td> <td>669</td> </tr> <tr> <td>Appropriation Request Est.</td> <td>FY12</td> <td>7,758</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> <tr> <td>Cumulative Appropriation</td> <td></td> <td>0</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>0</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>0</td> </tr> <tr> <td>Partial Closeout Thru</td> <td>FY08</td> <td>0</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY09</td> <td>0</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>0</td> </tr> </table>	Date First Appropriation	FY11	(\$000)	First Cost Estimate			Current Scope	FY	0	Last FY's Cost Estimate		0	Appropriation Request	FY11	669	Appropriation Request Est.	FY12	7,758	Supplemental Appropriation Request		0	Transfer		0	Cumulative Appropriation		0	Expenditures / Encumbrances		0	Unencumbered Balance		0	Partial Closeout Thru	FY08	0	New Partial Closeout	FY09	0	Total Partial Closeout		0	<p>Mandatory Referral - M-NCPPC Department of Environmental Protection Building Permits: Code Review Fire Marshal Department of Transportation Inspections Sediment Control Stormwater Management WSSC Permits</p>	
Date First Appropriation	FY11	(\$000)																																										
First Cost Estimate																																												
Current Scope	FY	0																																										
Last FY's Cost Estimate		0																																										
Appropriation Request	FY11	669																																										
Appropriation Request Est.	FY12	7,758																																										
Supplemental Appropriation Request		0																																										
Transfer		0																																										
Cumulative Appropriation		0																																										
Expenditures / Encumbrances		0																																										
Unencumbered Balance		0																																										
Partial Closeout Thru	FY08	0																																										
New Partial Closeout	FY09	0																																										
Total Partial Closeout		0																																										

# Westbrook ES Addition -- No. 116512

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Bethesda-Chevy Chase

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 10, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	994	0	0	994	497	298	199	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	1,394	0	0	1,394	0	1,115	279	0	0	0	0
Construction	8,832	0	0	8,832	0	1,767	2,649	4,416	0	0	0
Other	585	0	0	585	0	0	117	468	0	0	0
<b>Total</b>	<b>11,805</b>	<b>0</b>	<b>0</b>	<b>11,805</b>	<b>497</b>	<b>3,180</b>	<b>3,244</b>	<b>4,884</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	11,805	0	0	11,805	497	3,180	3,244	4,884	0	0	0
<b>Total</b>	<b>11,805</b>	<b>0</b>	<b>0</b>	<b>11,805</b>	<b>497</b>	<b>3,180</b>	<b>3,244</b>	<b>4,884</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				159	0	0	0	53	53	53
Maintenance				303	0	0	0	101	101	101
<b>Net Impact</b>				<b>462</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>154</b>	<b>154</b>	<b>154</b>

#### DESCRIPTION

Student enrollment at elementary schools in the Bethesda-Chevy Chase Cluster has increased dramatically over the past two school years, causing the cluster to be placed in a housing moratorium according to the county's Annual Growth Policy. Enrollment projections at Westbrook Elementary School, located in the Bethesda-Chevy Chase Cluster, reflect a need for a 15-classroom addition. Westbrook Elementary School has a program capacity for 293 students. Enrollment is expected to reach 478 students by the 2013-2014 school year.

An FY 2011 appropriation is requested to begin planning this addition project. An FY 2012 appropriation will be requested for construction funds. This project is scheduled to be completed August 2013.

#### CAPACITY

Program Capacity after Addition: 637

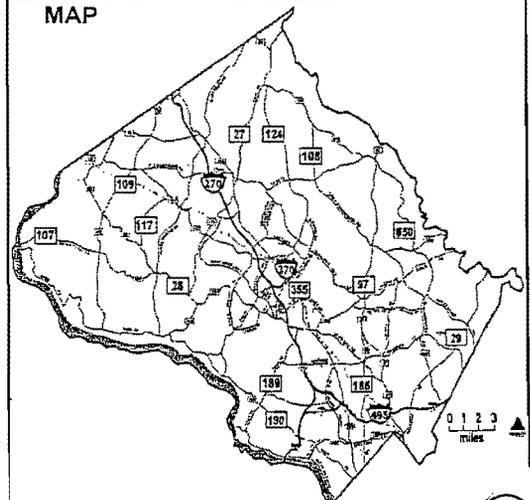
#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY11	(\$000)
First Cost Estimate		
Current Scope	FY	0
Last FY's Cost Estimate		0
Appropriation Request	FY11	994
Appropriation Request Est.	FY12	10,225
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

#### COORDINATION

Mandatory Referral - M-NCPPC  
Department of Environmental Protection  
Building Permits:  
Code Review  
Fire Marshal  
Department of Transportation  
Inspections  
Sediment Control  
Stormwater Management  
WSSC Permits

#### MAP



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# Wyngate ES Addition -- No. 116513

Category  
Subcategory  
Administering Agency  
Planning Area

Montgomery County Public Schools  
Individual Schools  
MCPS  
Potomac-Travilah

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

November 10, 2009  
No  
None  
Planning Stage

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	878	0	0	878	439	263	176	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	1,576	0	0	1,576	0	1,261	315	0	0	0	0
Construction	7,256	0	0	7,256	0	1,451	2,177	3,628	0	0	0
Other	520	0	0	520	0	0	104	416	0	0	0
<b>Total</b>	<b>10,230</b>	<b>0</b>	<b>0</b>	<b>10,230</b>	<b>439</b>	<b>2,975</b>	<b>2,772</b>	<b>4,044</b>	<b>0</b>	<b>0</b>	<b>0</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	10,230	0	0	10,230	439	2,975	2,772	4,044	0	0	0
<b>Total</b>	<b>10,230</b>	<b>0</b>	<b>0</b>	<b>10,230</b>	<b>439</b>	<b>2,975</b>	<b>2,772</b>	<b>4,044</b>	<b>0</b>	<b>0</b>	<b>0</b>

### OPERATING BUDGET IMPACT (\$000)

Energy				207	0	0	0	69	69	69
Maintenance				396	0	0	0	132	132	132
<b>Net Impact</b>				<b>603</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>201</b>	<b>201</b>	<b>201</b>

#### DESCRIPTION

Enrollment projections at Wyngate Elementary School reflect a need for a 15-classroom addition. Wyngate Elementary School has a program capacity for 412 students. Enrollment is expected to reach 683 students by the 2013-2014 school year. A feasibility study was conducted in FY 2009 to determine the cost and scope of the project.

An FY 2011 appropriation is requested to begin planning this addition. An FY 2012 appropriation will be requested for construction funds. This project is scheduled to be completed by August 2013.

#### CAPACITY

Program Capacity after Addition: 711

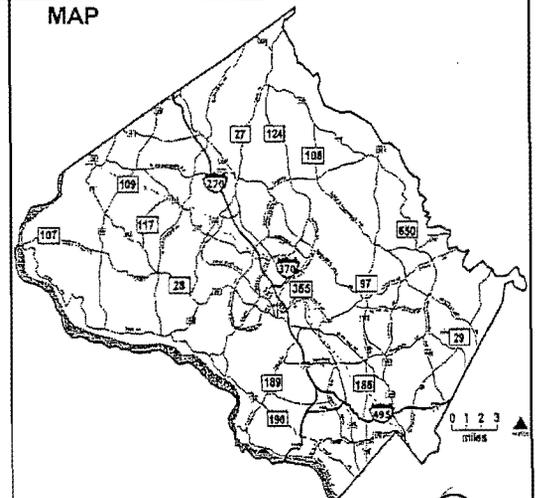
#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY11	(\$000)
First Cost Estimate		
Current Scope	FY	0
Last FY's Cost Estimate		0
Appropriation Request	FY11	878
Appropriation Request Est.	FY12	8,832
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

#### COORDINATION

Mandatory Referral - M-NCPPC  
Department of Environment Protection  
Building Permits:  
Code Review  
Fire Marshall  
Department of Transportation  
Inspections  
Sediment Control  
Stormwater Management  
WSSC Permits

#### MAP



**Capacity Analysis for School Addition Projects**

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Bradley Hills ES Addition (Whitman Cluster)</b>							
- Current Capacity	342	342	342	342	342	342	342
- Enrollment	478	482	499	496	483	497	508
- Space Available	(136)	(140)	(157)	(154)	(141)	(155)	(166)
- School Utilization w/o Addition	139.8%	140.9%	145.9%	145.0%	141.2%	145.3%	148.5%
- Space Added					296	296	296
- School Utilization with Addition	139.8%	140.9%	145.9%	145.0%	75.7%	77.9%	79.6%
- Cluster Utilization (BOE Proposed)	125.3%	116.0%	117.0%	117.7%	102.8%	103.6%	104.1%
Comment: Bradley Hills ES is a small and substantially overutilized school and is currently using 6 relocatable classrooms during the 2009-10 schoolyear. No capacity available at other schools within the cluster or in nearby clusters. The size of the addition will provide some possible seats for students to be reassigned from the B-CC cluster who articulate to secondary schools in the Whitman Cluster. needed.							

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Darnestown ES Addition (Northwest Cluster)</b>							
- Current Capacity	273	273	273	273	273	273	273
- Enrollment	378	373	375	388	390	397	414
- Space Available	(105)	(100)	(102)	(115)	(117)	(124)	(141)
- School Utilization w/o Addition	138.5%	136.6%	137.4%	142.1%	142.9%	145.4%	151.6%
- Space Added					182	182	182
- School Utilization with Addition	138.5%	136.6%	137.4%	142.1%	85.7%	87.3%	91.0%
- Cluster Utilization (BOE Proposed)	118.8%	123.5%	124.9%	125.4%	120.1%	119.3%	119.1%
Comment: Darnestown ES is a small and substantially overutilized school and is currently using 6 relocatable classrooms during the 2009-10 schoolyear. No capacity available at other schools within the cluster. QO cluster does not have seats. Wootton cluster could provide some seats (Travilah ES) but this could exacerbate Wootton HS overutilization in future years.							

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Georgian Forest ES Addition (Downcounty Cons.)</b>							
- Current Capacity	308	308	308	308	308	308	308
- Enrollment	502	518	520	533	544	540	538
- Space Available	(194)	(210)	(212)	(225)	(236)	(232)	(230)
- School Utilization w/o Addition	163.0%	168.2%	168.8%	173.1%	176.6%	175.3%	174.7%
- Space Added					182	182	182
- School Utilization with Addition	163.0%	168.2%	168.8%	173.1%	111.0%	110.2%	109.8%
- Cluster Utilization (BOE Proposed)	116.4%	116.6%	109.8%	107.4%	101.1%	100.2%	99.6%
Comment: Georgian Forest ES is a small and substantially overutilized school and is currently using 10 relocatable classrooms during the 2009-10 schoolyear. No capacity available at nearby schools within the consortium.							

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Somerset ES Addition (B-CC Cluster)</b>							
- Current Capacity	433	433	433	433	433	433	433
- Enrollment	464	493	521	536	560	561	561
- Space Available	(31)	(60)	(88)	(103)	(127)	(128)	(128)
- School Utilization w/o Addition	107.2%	113.9%	120.3%	123.8%	129.3%	129.6%	129.6%
- Space Added	90	90	90	90	90	90	90
- School Utilization with Addition	88.7%	94.3%	99.6%	102.5%	107.1%	107.3%	107.3%
- Cluster Utilization (BOE Proposed)	129.0%	129.0%	130.1%	131.9%	117.9%	107.7%	108.6%
Comment: Somerset was modernized in 2005 and 4 classrooms were masterplanned in the 3rd floor of the building. The space can be built out quickly and cheaply to address Somerset's capacity issues. Capacity is not available at other B-CC elementary schools.							

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Viers Mill ES Addition (Downcounty Cons.)</b>							
- Current Capacity	357	357	357	357	357	357	357
- Enrollment	556	603	622	647	661	663	668
- Space Available	(199)	(246)	(265)	(290)	(304)	(306)	(311)
- School Utilization w/o Addition	155.7%	168.9%	174.2%	181.2%	185.2%	185.7%	187.1%
- Space Added					345	345	345
- School Utilization with Addition	155.7%	168.9%	174.2%	181.2%	94.2%	94.4%	95.2%
- Cluster Utilization (BOE Proposed)	116.4%	116.6%	109.8%	107.4%	101.1%	100.2%	99.6%
Comment: Viers Mill ES is a small and substantially overutilized school and is currently using 13 relocatable classrooms during the 2009-10 schoolyear. Some capacity available at Highland ES, but not enough to address the issue. No capacity available at any other nearby schools within the consortium.							

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	FY10	FY11	FY12	FY13	FY14	FY15	FY16
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Waters Landing ES Additon (Seneca Valley Cluster)</b>							
- Current Capacity	499	499	499	499	499	499	499
- Enrollment	628	622	631	648	630	639	644
- Space Available	(129)	(123)	(132)	(149)	(131)	(140)	(145)
- School Utilization w/o Addition	125.9%	124.6%	126.5%	129.9%	126.3%	128.1%	129.1%
- Space Added					237	237	237
- School Utilization with Addition	125.9%	124.6%	126.5%	129.9%	85.6%	86.8%	87.5%
- Cluster Utilization (BOE Proposed)	112.3%	113.9%	114.5%	116.5%	104.4%	104.7%	104.1%
Comment: Waters Landing is overutilized and is currently using 5 relocatable classrooms during the 2009-10 schoolyear. There is no capacity available within the cluster or at any nearby schools in other clusters.							

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Westbrook ES Addition (B-CC Cluster)</b>							
- Current Capacity	293	293	293	293	293	293	293
- Enrollment	385	426	430	458	478	478	485
- Space Available	(92)	(133)	(137)	(165)	(185)	(185)	(192)
- School Utilization w/o Addition	131.4%	145.4%	146.8%	156.3%	163.1%	163.1%	165.5%
- Space Added					344	344	344
- School Utilization with Addition	131.4%	145.4%	146.8%	156.3%	75.0%	75.0%	76.1%
- Cluster Utilization (BOE Proposed)	129.0%	129.0%	130.1%	131.9%	117.9%	107.7%	108.6%
Comment: Westbrook is a small substantially overutilized school and is currently using 5 relocatable classrooms during the 2009-10 schoolyear. There is no capacity available within the cluster or at any nearby schools in other clusters.							

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Wyngate ES Addition (Walter Johnson Cluster)</b>							
- Current Capacity	412	412	412	412	412	412	412
- Enrollment	634	640	650	679	683	678	679
- Space Available	(222)	(228)	(238)	(267)	(271)	(266)	(267)
- School Utilization w/o Addition	153.9%	155.3%	157.8%	164.8%	165.8%	164.6%	164.8%
- Space Added					299	299	299
- School Utilization with Addition	153.9%	155.3%	157.8%	164.8%	96.1%	95.4%	95.5%
- Cluster Utilization (BOE Proposed)	106.2%	112.0%	105.0%	107.5%	100.7%	100.9%	100.6%
Comment: Wyngate is substantially overutilized and is currently using 10 relocatable classrooms during the 2009-10 schoolyear. No capacity available at other schools within the cluster or in nearby clusters.							

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>RROCS (school reopening)</b>							
<b>Downcounty Consortium ES #29 (McKenney Hills)</b>							
- Oakland Terrace Current Capacity	456	456	456	456	456	456	456
- Enrollment	792	873	912	942	964	953	929
- Space Available	(336)	(417)	(456)	(486)	(508)	(497)	(473)
- School Utilization w/o Addition	173.7%	191.4%	200.0%	206.6%	211.4%	209.0%	203.7%
- Space Added				642	642	642	642
- Cluster Utilization (BOE Proposed)	116.4%	116.6%	109.8%	107.4%	101.1%	100.2%	99.6%
Comment: Oakland Terrace is severely overutilized and is currently using 11 relocatable classrooms during the 2009-10 schoolyear. No capacity available at any nearby schools. Reopening McKenney Hills would relieve Oakland Terrace and Woodlin ES.							

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>RROCS (school reopening)</b>							
<b>Downcounty Consortium ES #29 (McKenney Hills)</b>							
- Woodlin ES Current Capacity	386	386	386	386	386	386	386
- Enrollment	478	511	533	541	566	567	552
- Space Available	(92)	(125)	(147)	(155)	(180)	(181)	(166)
- School Utilization w/o Addition	123.8%	132.4%	138.1%	140.2%	146.6%	146.9%	143.0%
- Space Added to Oakland Terrace/Woodlin ES				642	642	642	642
- Cluster Utilization (BOE Proposed)	116.4%	116.6%	109.8%	107.4%	101.1%	100.2%	99.6%
Comment: Woodlin ES is substantially overutilized and is currently using 4 relocatable classrooms during the 2009-10 schoolyear. No capacity available at any nearby schools. Reopening McKenney Hills would relieve Oakland Terrace and Woodlin ES.							

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<b>RROCS (school reopening)</b>							
	FY10	FY11	FY12	FY13	FY14	FY15	FY16
<b>Downcounty Consortium ES #29 (McKenney Hills)</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>
- Woodlin ES and Oakland Terrace Current Capacity	842	842	842	842	842	842	842
- Combined Enrollment	1,270	1,384	1,445	1,483	1,530	1,520	1,481
- Space Available	(428)	(542)	(603)	(641)	(688)	(678)	(639)
- Combined School Utilization w/o New School	150.8%	164.4%	171.6%	176.1%	181.7%	180.5%	175.9%
- Space Added to Oakland Terrace/Woodlin ES				642	642	642	642
- Cluster Utilization (BOE Proposed)	116.4%	116.6%	109.8%	107.4%	101.1%	100.2%	99.6%
Comment: New school is well justified to address overutilization at Woodlin ES and Oakland Terrace ES.							

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
<b>Clarksburg Cluster ES Review</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>
Approved Cluster Capacity	3,071	3,071	3,071	3,071	3,071	3,071	3,071
Enrollment	3,132	3,242	3,377	3,548	3,706	3,858	3,940
Space Available (deficit)	(61)	(171)	(306)	(477)	(635)	(787)	(869)
<b>Utilization</b>	<b>102.0%</b>	<b>105.6%</b>	<b>110.0%</b>	<b>115.5%</b>	<b>120.7%</b>	<b>125.6%</b>	<b>128.3%</b>
Add New Elementary School					740	740	740
Space Available (deficit) after additions	(61)	(171)	(306)	(477)	105	(47)	(129)
<b>Utilization after additions</b>	<b>102.0%</b>	<b>105.6%</b>	<b>110.0%</b>	<b>115.5%</b>	<b>97.2%</b>	<b>101.2%</b>	<b>103.4%</b>
Comment: Elementary school overutilization would exceed 120% by September 2015 without the new school.							

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
<b>Clarksburg/Damascus Clusters MS Review</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>
Approved Cluster Capacity	3,439	3,439	3,439	3,439	3,439	3,439	3,439
Enrollment	3,847	4,074	4,125	4,092	3,990	4,009	4,311
Space Available (deficit)	(408)	(635)	(686)	(653)	(551)	(570)	(872)
<b>Utilization</b>	<b>111.9%</b>	<b>118.5%</b>	<b>119.9%</b>	<b>119.0%</b>	<b>116.0%</b>	<b>116.6%</b>	<b>125.4%</b>
Add Clarksburg/Damascus Middle School							988
Space Available (deficit) after additions	(408)	(635)	(686)	(653)	(551)	(570)	116
<b>Utilization after additions</b>	<b>111.9%</b>	<b>118.5%</b>	<b>119.9%</b>	<b>119.0%</b>	<b>116.0%</b>	<b>116.6%</b>	<b>97.4%</b>
Comment: The new middle school would potentially relieve capacity in both clusters.							

	FY10	FY11	FY12	FY13	FY14	FY15	FY16
<b>Clarksburg HS Addition</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>
Approved Cluster Capacity	1,566	1,566	1,566	1,566	1,566	1,566	1,566
Enrollment	1,710	1,764	1,807	1,816	1,921	1,958	1,979
Space Available (deficit)	(144)	(198)	(241)	(250)	(355)	(392)	(413)
<b>Utilization</b>	<b>109.2%</b>	<b>112.6%</b>	<b>115.4%</b>	<b>116.0%</b>	<b>122.7%</b>	<b>125.0%</b>	<b>126.4%</b>
Space Added						405	405
Space Available (deficit) after additions	(144)	(198)	(241)	(250)	(355)	13	(8)
<b>Utilization after additions</b>	<b>109.2%</b>	<b>112.6%</b>	<b>115.4%</b>	<b>116.0%</b>	<b>122.7%</b>	<b>99.3%</b>	<b>100.4%</b>
Comment: High school overutilization would exceed 120% by September 2015 without the addition. Damascus and Watkins Mill High Schools may have some capacity to help.							