Capital Budget

Program Overview
The Department of Planning and Construction develops school facilities that meet student population and educational program requirements. The department is responsible for managing planning and construction activities that are coordinated for the purposes of modernizing, renovating and improving educational facilities for the students and staff of HCPS. The department utilizes demographic information, educational specifications, procurement practices, architectural and engineering parameters, and budget data to deliver planning and construction related services in support of High Student Achievement.

Each year the Board of Education, school staff, and community, review and analyze the Capital Improvement Program (CIP) for the Board to establish priorities as it secures future funding. This review includes the status of County and State funding levels from the previous fiscal year, the volume and status of current approved capital projects, an analysis of enrollments and capacities, and a study of population growth within Harford County. In addition, information obtained from system wide building evaluations, a review of project categories, and the infusion of technology into our facilities are considered.

All construction projects are budgeted in the School Construction Fund often referred to as the Capital Budget. School construction is budgeted on a project basis. Projects may be funded over several years and allocations may be carried forward over multiple years until completion. This Fiscal Year 2012 budget represents the funding approved by Harford County Government after a review of the Board of Education’s funding proposal.

The Harford County Board of Education lacks taxing authority and remains revenue dependent upon the Harford County and State governments to fund the Capital Budget. State funds are approved by the State’s Interagency Committee. The Capital Budget for FY2012 contains State funding and County capital funding for new construction, renovation, expansion, and modernization projects.

The Adopted Capital Budget for Fiscal Year 2012 funds thirty-six projects totaling $16,205,845. All funding is State revenue, of which $15,644,845 will be State reimbursement funds. It should be noted that the Aging Schools Program, funded by the State in the estimated amount of $200,000, will be included in Restricted Funds.

The Capital Improvement Plan is managed by the Department of Planning and Construction and the Office of Operations. Harford County Public Schools has developed a multi-year capital improvement plan and updates the plan annually based on changing enrollments and conditions of schools. The School Construction Fund accounting is handled by the Finance Department in Business Services.

Harford County Public Schools
School Construction Fund

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues:</strong></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Local</td>
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<td>$92,470,793</td>
<td>$64,798,532</td>
<td>$30,433,302</td>
<td>$16,205,845</td>
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<tr>
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<td>$17,377,596</td>
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<tr>
<td>Federal</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
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<tr>
<td>Other Revenue</td>
<td>$1,407,798</td>
<td>$569,871</td>
<td>$2,878,275</td>
<td>$2,483,620</td>
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<td>Other Sources</td>
<td>$3,035,184</td>
<td>$4,384,000</td>
<td>$0</td>
<td>$0</td>
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<tr>
<td><strong>Total Receipts</strong></td>
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<td>$109,254,845</td>
<td>$85,054,404</td>
<td>$47,666,945</td>
<td>$16,205,845</td>
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<tr>
<td><strong>Expenditures</strong></td>
<td>$96,141,847</td>
<td>$111,524,256</td>
<td>$83,305,397</td>
<td>$47,763,925</td>
<td>$16,205,845</td>
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<tr>
<td>Revenues over/(under) Expenditures</td>
<td>$8,046,754</td>
<td>($2,269,411)</td>
<td>$1,749,007</td>
<td>($96,980)</td>
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<tr>
<td>Beginning Fund Balance</td>
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<td>$5,071,754</td>
<td>$5,802,343</td>
<td>$7,551,350</td>
<td>$0</td>
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<tr>
<td>Designated for Capital Projects</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ending Fund Balance</strong></td>
<td>$8,071,754</td>
<td>$5,802,343</td>
<td>$7,551,350</td>
<td>$7,454,370</td>
<td>$0</td>
</tr>
</tbody>
</table>
Capital Budget

School construction is accounted for by project where revenues are recognized at the same time as related expenditures. Under the budgetary basis of accounting, this normally results in a fund balance of zero at the end of each period.

Capital projects funds are used to account for financial resources to be used for the acquisition, construction, or improvements to major capital facilities. A capital expenditure is the amount used during a particular period to acquire or improve long-term assets such as property, plant, or equipment. Some capital expenditures are determined by the way the County government decides how they are going to budget for the expenditure (i.e. Textbook/ Supplemental Materials Refresh in the Capital Projects Fund instead of the Unrestricted Budget as an operating expense).

Capital Improvement Impact on the Operating Budget
As school enrollment increases or school improvement plans change, more teachers are added to the growing needs and operating expenses are increased to provide the school with a per pupil allocation of funding.

When the School Construction Fund pays for the building or expansion of a school, there is an impact on the Operating Budget. The staff expansion needs are determined by the Executive Directors of Elementary and Secondary Education while the building maintenance needs are determined by the Director of Facilities and the Assistant Superintendent of Operations.

As the CIP is implemented and facilities are expanded, the Board of Education will determine staffing additions based on:

- Enrollment Projections;
- State Rated Capacities and Percentages of Utilization; and,
- Availability of operating funds.

While some of the capital improvements involve maintenance of facilities, which should help keep operational costs down, building expansions often involve shifting students from portable classrooms to permanent instructional facilities. This often minimizes the effect on the operating budget since the instructional support is already in place. Traditionally, when a new school opens, the Board of Education has provided supplemental budget allocations for the purchase of textbooks, library materials, and other related instructional items. The custodial staffing allocations are generally determined by square footage and special needs.

Each year, a review of the operating impact of new construction or renovations is undertaken and funds are requested during the budget development process. The County Government determines the projects to be included in the capital program by their funding of the projects. Projects include new building construction, renovations, moderations, additions, roof repairs, HVAC repairs, textbooks, technology, and various other equipment or improvements.
Capital Budget

Estimated Operating Budget Impact – Future Years

The following chart lists the projects which have future estimated operating impacts:

<table>
<thead>
<tr>
<th>HARFORD COUNTY PUBLIC SCHOOLS ESTIMATED OPERATING BUDGET IMPACT - FUTURE YEARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment, Improvements, Maintenance and Other Projects:</td>
</tr>
<tr>
<td>Major HVAC Repairs</td>
</tr>
<tr>
<td>Paving - Overlay and Maintenance</td>
</tr>
<tr>
<td>Playground Equipment</td>
</tr>
<tr>
<td>Relocatable Classrooms</td>
</tr>
<tr>
<td>Replacement Buses</td>
</tr>
<tr>
<td>Replacement Vehicles</td>
</tr>
<tr>
<td>Security Cameras</td>
</tr>
<tr>
<td>Swimming Pool Renovations</td>
</tr>
<tr>
<td>Technology Education Lab Refresh</td>
</tr>
<tr>
<td>Technology Infrastructure</td>
</tr>
<tr>
<td>Will reduce future maintenance costs.</td>
</tr>
<tr>
<td>Will reduce future maintenance costs.</td>
</tr>
<tr>
<td>Will reduce future maintenance costs.</td>
</tr>
<tr>
<td>Will increase utility costs.</td>
</tr>
<tr>
<td>Will reduce maintenance costs as older buses are replaced.</td>
</tr>
<tr>
<td>Will reduce maintenance costs as older equipment &amp; vehicles</td>
</tr>
<tr>
<td>Will increase cost of surveillance company contracted services.</td>
</tr>
<tr>
<td>Will reduce future maintenance costs.</td>
</tr>
<tr>
<td>Replacement of older equipment delayed which may increase maintenance costs.</td>
</tr>
<tr>
<td>Replacement of older equipment will reduce future maintenance costs.</td>
</tr>
</tbody>
</table>

There are no significant non-routine capital expenditures in the capital budget. Projects are planned, reviewed, and approved by the Board of Education in advance of State and County funding approvals.

Other items in this section include the following:

Capital Improvements Process for Fiscal Year 2012
   - Represents the planning process of the HCPS Capital Improvements Plan.

Capital Improvement Program – Fiscal Year 2012 for HCPS
   - Represents the current Fiscal Year Capital Projects for HCPS based on proposed State of Maryland and Harford County Government funding.

Capital Project Pages are included with the proposed funding from State and County sources.
   - Represents the individual capital project sheets for forty - seven projects.

Harford County Public Schools Completed Capital Projects
   - Represents the Capital Projects completed since 1990.
CAPITAL IMPROVEMENT PROCESS

BOARD OF EDUCATION OF HARFORD COUNTY

1. DEVELOPMENT OF THE CIP PROGRAM

   Each year, the Board of Education reviews and analyzes the capital needs of the school system. Factors such as the age of existing facilities, student enrollments, school capacity, population trends, residential development, and existing building systems are all studies to develop a list of capital priorities.

2. THE CAPITAL IMPROVEMENT SCHEDULE

   October 2010 to April 2011 ... Superintendent's Technical Advisory Committee
   January to May 2011 ........................................CIP Priorities List Developed
   June 2011 ............................................Facilities Master Plan Approved
   July 2011 .........................................First Reading of CIP to Board of Education
   September 2011 ......................Board of Education Adoption of CIP Priorities
   September 2011 .....................Presentation to Planning Advisory Board
   October 2011 .........................Presentation to Harford County Government
   October 2011 ......................Submission to Interagency Committee (IAC)
   January 2012 ......................Submission to Harford County Government
   May 2012 .................................Approved by Board of Public Works
   June 2012 ...............................Approved by Harford County Council
   July 2012 ..............................................Funds Available

2. PROJECT CATEGORIES, PRIORITIES AND COSTS

   There are four project categories listed in priority order. The categories are designated by letters as listed below:

   C = Capacity Projects
   M = Modernization Projects
   R = Renovation/Expansion Projects
   S = Site/Program Improvement Projects

   All projects within a category are in priority order.

   All costs are estimates and will be revised at various stages of approval before final submissions to the State and County. State costs will be revised to reflect the annually published State cost per foot figures after August 2011.
### BOARD OF EDUCATION OF HARFORD COUNTY
### APPROVED CAPITAL IMPROVEMENT PROGRAM BUDGET - FISCAL YEAR 2012

<table>
<thead>
<tr>
<th>Project Description</th>
<th>HCPS Priority</th>
<th>State Approved</th>
<th>Local Approved</th>
<th>Other Sources</th>
<th>Total Capital Funding</th>
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</thead>
<tbody>
<tr>
<td>Bel Air HS Replacement</td>
<td>1</td>
<td>$426,520</td>
<td>$0</td>
<td>($426,520)</td>
<td>$0</td>
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<tr>
<td>Deerfield ES Replacement</td>
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<td>$0</td>
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<tr>
<td>Edgewood HS Replacement</td>
<td>1</td>
<td>$13,321,000</td>
<td>$0</td>
<td>($13,321,000)</td>
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<tr>
<td>Red Pump Elementary School</td>
<td>1</td>
<td>$0</td>
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<tr>
<td>Relocatable Classrooms</td>
<td>1</td>
<td>$0</td>
<td>$0</td>
<td>$300,000</td>
<td>$300,000</td>
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<tr>
<td>North Bend Elementary Roof Replacement</td>
<td>2</td>
<td>$561,000</td>
<td>$0</td>
<td>$389,000</td>
<td>$950,000</td>
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<tr>
<td>Jarretttsville Elementary School HVAC Project</td>
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<td>$0</td>
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<td>Magnolia Middle School HVAC Project</td>
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<tr>
<td>Homestead / Wakefield ES Project</td>
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<tr>
<td>John Archer School at Bel Air MS</td>
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<td>$0</td>
<td>$0</td>
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<td>Youth's Benefit ES Replacement</td>
<td>7</td>
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<tr>
<td>William Paca/Old Post ES Replacement</td>
<td>8</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
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<tr>
<td>William Paca ES Building - Air Conditioning</td>
<td>9</td>
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<td>$0</td>
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<tr>
<td>Youth's Benefit ES Primary Building - A/C</td>
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<td>Center for Educational Opportunity - A/C</td>
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<td>ADA Improvements and Survey</td>
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<td>Athletic Fields Repair &amp; Restoration</td>
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<td>Backflow Prevention</td>
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<tr>
<td>Band Uniform Refresh</td>
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<td>$0</td>
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<tr>
<td>Bleacher Replacement</td>
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<td>$0</td>
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<tr>
<td>Building Envelope Improvements</td>
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<td>$0</td>
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<tr>
<td>Career &amp; Tech. Ed. Equipment</td>
<td>N/A</td>
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<td>$0</td>
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<tr>
<td>Energy Conservation Measures</td>
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<td>$250,000</td>
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<tr>
<td>Environmental Compliance</td>
<td>N/A</td>
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<td>$0</td>
<td>$100,000</td>
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<tr>
<td>Equipment &amp; Furniture Replacement</td>
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<td>$0</td>
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<td>$100,000</td>
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<tr>
<td>Fire Alarm &amp; ER Communications</td>
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<td>Floor Covering Replacement</td>
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<tr>
<td>Locker Replacement</td>
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<td>Major HVAC Repairs</td>
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<td>$0</td>
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<tr>
<td>Music Equipment Refresh</td>
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<td>$0</td>
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<td>$50,000</td>
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<tr>
<td>Music Technology Labs</td>
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<td>$0</td>
<td>$130,000</td>
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<td>Outdoor Track Reconditioning</td>
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<td>$0</td>
<td>$150,000</td>
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<tr>
<td>Paving - New Parking Areas</td>
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<td>$0</td>
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<tr>
<td>Paving - Overlay and Maintenance</td>
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<td>$0</td>
<td>$806,370</td>
<td>$806,370</td>
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<tr>
<td>Playground Equipment</td>
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<tr>
<td>Replacement Buses</td>
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<td>$0</td>
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<td>Replacement Vehicles</td>
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<td>Security Cameras</td>
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<td>Septic Facility Code Upgrades</td>
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<tr>
<td>Special Ed. Facility Improvements</td>
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<td>$100,000</td>
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<td>Storm Water Management</td>
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<td>$0</td>
<td>$0</td>
<td>$50,000</td>
<td>$50,000</td>
</tr>
<tr>
<td>Swimming Pool Renovations</td>
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<td>$0</td>
<td>$0</td>
<td>$100,000</td>
<td>$100,000</td>
</tr>
<tr>
<td>Technology Education Lab Refresh</td>
<td>N/A</td>
<td>$0</td>
<td>$0</td>
<td>$250,000</td>
<td>$250,000</td>
</tr>
<tr>
<td>Technology Infrastructure</td>
<td>N/A</td>
<td>$0</td>
<td>$0</td>
<td>$5,268,520</td>
<td>$5,268,520</td>
</tr>
<tr>
<td>Textbook/Supplemental Refresh</td>
<td>N/A</td>
<td>$0</td>
<td>$0</td>
<td>$300,000</td>
<td>$300,000</td>
</tr>
<tr>
<td>Havre de Grace HS Feasibility Study</td>
<td>N/A</td>
<td>$0</td>
<td>$0</td>
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<td>$250,000</td>
</tr>
<tr>
<td>Havre de Grace HS Field Facilities</td>
<td>N/A</td>
<td>$0</td>
<td>$0</td>
<td>$1,000,000</td>
<td>$1,000,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$16,205,845</strong></td>
<td><strong>$0</strong></td>
<td><strong>$0</strong></td>
<td><strong>$16,205,845</strong></td>
</tr>
</tbody>
</table>

**NOTES:**

1 - Requesting State Reimbursement Only. County funds not needed.
2 - North Bend Roof Replacement Project for FY12 Only
3 - Comprehensive HVAC Systemic Replacement Project (Multi-Year Funding)
4 - Air Conditioning Installation Project
5 - Funds designated for Aberdeen Middle School
6 - Funds designated for Southamtown MS Exterior Doors & Hardware
7 - Funds designated for Bel Air ES Media Centers
8 - Funds designated for Joppotowen High School
9 - Havre de Grace & Aberdeen High Schools
10 - Joppotowen HS Track Replacement & Fallston HS Track Reconditioning
11 - Aberdeen Middle School Parking Lot & Driveways
12 - Four (4) Replacement Buses & Three (3) New Buses
13 - Based on 5 year Fleet Standards

Revised 5/23/11
The original building was constructed in 1950 with additions in 1957, 1968 and 1983. Based on a physical condition study performed in 1997 for the four oldest high schools, Bel Air ranked as the first priority requiring facility upgrades. A State study on August 24, 2006, approved the replacement of this facility. The project capacity was sized at 1,668 students and the design was based on the Aberdeen prototype. The replacement school facility was completed and occupied as of August 2009. The demolition of the old facility and the construction of the stadium was completed and occupied as of August 2010. The State maximum allocation is $11,876,519, of which $11,450,000 was approved in FY2011 and the balance of $426,520 was approved for FY2012. The FY2012 State reimbursement received for Bel Air High School will be reallocated to fund other capital projects.

**Financial Activity:**
- Expended: $0
- Encumbered: $0
- Total: $0

### EXPENDITURE SCHEDULE

<table>
<thead>
<tr>
<th>Cost Elements</th>
<th>Prior Approx.</th>
<th>FY 2012 Budget</th>
<th>Appro. Total</th>
<th>Five Year Capital Program</th>
<th>Master Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land Acquisition</td>
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</tr>
<tr>
<td>Construction</td>
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<td>73,461,207</td>
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<td></td>
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<tr>
<td>Inspection Fees</td>
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<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Equip. / Furn.</td>
<td>4,554,792</td>
<td>4,554,792</td>
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</tr>
<tr>
<td>Total Cost</td>
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<td>0</td>
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</tr>
</tbody>
</table>

### FUNDING SCHEDULE

<table>
<thead>
<tr>
<th></th>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>27,095,683</td>
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<td>27,522,203</td>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td>27,522,203</td>
</tr>
<tr>
<td>Local</td>
<td>53,990,779</td>
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<td>53,990,779</td>
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### OPERATING BUDGET IMPACT:
- Estimated Annual Debt Service Cost: 
- Annual Operating/Maintenance Cost: 
- New Positions (FTE's):

**PROJECT MANAGER:** Chris Morton
DEERFIELD ELEMENTARY SCHOOL REPLACEMENT

LOCATION: Edgewood, MD

PRIORITY: 0 of 11

Project Description / Justification:
This facility was originally constructed in 1963, with additions in 1968 (kindergarten building), 1989 (media center) and 1997 (pre-kindergarten). The capacity expansion from 555 to 690 was recommended and the school organization was based on 27 regular classrooms, 5 kindergarten rooms and 2 pre-kindergarten rooms. The project scope was based on a full replacement. The school is inside the development envelope and priority funding area. Edgewood ES is currently housing the pre-kindergarten classes from Deerfield.

The FY2012 State request of $1,897,325, represents the balance of the Maximum State Funding Allocation. The State approved the full amount. The FY2012 State reimbursement received for Deerfield Elementary School will be reallocated to fund other capital projects.

Project Schedule:
Completed and occupied - August 2010
Demolition of the old building and restoration of the site to be completed June 2011.

Project Status:
Construction phase - 99% complete
Demolition of the old building and restoration of the site - 50% complete

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<th>Appro.</th>
<th>Five Year Capital Program</th>
<th>Master Plan</th>
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<td>Harford Cty BOE</td>
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OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost:
Annual Operating/Maintenance Cost:
New Positions (FTE's):

PROJECT MANAGER: Harry Miller
PROJECT: EDGEOOD HIGH SCHOOL REPLACEMENT
DISTRICT: LOCATION: Edgewood, MD PRIORITY: 0 of 11 TYPE OF PROJECT
PROJECT NUMBER B074119

Project Description / Justification: This new building consists of a 268,354 square foot elementary school with 63 regular, 2 music, 4 art, 5 physical education and, 7 computer laboratory classrooms. The project is an on site replacement school and will increase the capacity from 1380 to 1743, in anticipation of BRAC development.

The FY2012 State request of $13,321,000, represents the balance of the Maximum State Funding Allocation.
The FY2012 State reimbursement received for Edgewood High School will be reallocated to fund other capital projects.

Project Schedule: Completed and occupied - August 2010
Demolition of the old building and restoration of the site to be completed June 2011.

Project Status: Construction phase - 99% complete
Demolition of the old building and restoration of the site - 50% complete

Financial Activity: Expended Encumbered Total
Date $ $ $0

EXPENDITURE SCHEDULE

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FUNDING SCHEDULE

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OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost:
Annual Operating/Maintenance Cost:
New Positions (FTE's):

PROJECT MANAGER Harry Miller
PROJECT: RED PUMP ROAD ELEMENTARY SCHOOL

LOCATION: Bel Air, MD  
PRIORITY: 0 of 11  

Project Description / Justification: This new building consists of a 100,573 square foot elementary school with 22 regular, 5 kindergarten, 2 pre-kindergarten and 2 regional classroom support program classrooms. The need for this new school is based on the current overcapacity at schools to the north and east of Bel Air from past development growth and birth rate demographics. This will increase the overall elementary school State rated capacity an additional 696. The school design is a prototype building to be reused in a variety of configurations anticipating future elementary growth related to demographics as well as BRAC development. The design is modeled as a sustainable building to achieve maximum energy savings, although LEED certification was not sought.

Project Schedule: The project is in the construction phase. 
Anticipated completion - August 2011

Project Status: Construction phase - 95% complete

EXPERIMENTAL SCHEDULE

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<th>Prior Appro.</th>
<th>FY 2012 Budget</th>
<th>Appro. Total</th>
<th>Five Year Capital Program</th>
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FUNDING SCHEDULE

| State | 0 |
| Local | 30,075,819 | 30,075,819 | 30,075,819 | 30,075,819 |
| Other | 0 |
| Harford Cty P & R | 121,606 | 121,606 | 121,606 |
| Harford Cty BOE  | 3,333,729 | 3,333,729 | 3,333,729 |
| HCPS 2011 transfer | (1,000,000) | (1,000,000) | (1,000,000) |
| Total Funds | 32,531,154 | 32,531,154 | 32,531,154 |

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 
Annual Operating/Maintenance Cost: $334,000  
New Positions (FTE's): 22

PROJECT MANAGER: Chuck Grebe
Project Description / Justification: There are a number of relocatable classrooms that will need to be removed from completed construction projects this year. There are also a number of old units that have reached their life expectancy and need to be demolished. The Board of Education approved the entire amount referenced for FY2011, this reduced our fleet from 86 to 78, which includes five (5) State surplus units. It included the demolition of 3 locally owned units and one (1) State owned unit declared surplus from the inventory. Further reduction will be considered for FY2012 as part of the annual review of enrollments and capacities required by the Board of Education policy.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Project Schedule: N/A

Project Status: N/A

Financial Activity:

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EXPENDITURE SCHEDULE

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FUNDING SCHEDULE

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OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 
Annual Operating/Maintenance Cost: 
New Positions (FTE's): 

PROJECT MANAGER: Chris Morton
### PROJECT:
**ROOF REPLACEMENT - NORTH BEND ELEMENTARY SCHOOL**

### DISTRICT:
LOCATION: Jarrettsville, MD

### Project Description / Justification:
The periodic replacement of roof systems is necessary to prevent damage to the interior of the building and to prevent indoor air quality issues. North Bend Elementary School is scheduled for a roof replacement in FY 2012. Projects are submitted for funding consideration through the State Systemic Renovation program. Future roof replacements are scheduled for consideration as follows:

- Havre de Grace High School - FY 2013
- North Harford Elementary - FY 2016
- Churchville Elementary - FY 2014
- Aberdeen Middle - FY 2017
- Joppatowne High - FY 2015
- North Harford High - FY 2018
- Hickory Elementary - FY 2019

The FY 2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

### Project Schedule:
- Design completion - Fall 2010
- Bid - February 2011
- Award Contract - May 2011
- Anticipated completion - Aug. 2011

### Project Status:
N/A

### EXPENDITURE SCHEDULE

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### OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost:  
New Positions (FTE's):  

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PROJECT MANAGER: Chuck Grebe
**JARRETTSVILLE ELEMENTARY SCHOOL COMPREHENSIVE HVAC SYSTEMIC PROJECT**

**LOCATION:** Jarrettsville, MD

**PRIORITY:** 3 of 11

**PROJECT NUMBER:** NEW

---

**Project Description / Justification:**
The age of the HVAC equipment and systems in this facility are at least 34 years old with the exception of the cooling tower and HVAC controller. There are numerous equipment inefficiencies and noise issues, in addition to indoor air quality concerns that could be proactively addressed with a major comprehensive HVAC systemic project. This proposed replacement/upgrade project includes new boilers, chiller, related pumps and associated equipment and DDC controls in the central plant and the rest of the building. The upgrade includes new energy recovery type air handling units, including replacement of classroom unit ventilators with ducted air system with VAV units. The kindergarten HVAC and domestic water heater system were recently replaced and are not part of the project. The project will need to be phased over two summers and part of the school year and will require 4 portable classrooms for phasing purposes. The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:**
- Phase 1 - Design - December 2011 to May 2012; Award contract - June 2012; Complete construction - August 2012.
- Phase 2 - Design - November 2012; Award contract - March 2013; Construction start - May 2013; Construction complete - August 2013.

**Project Status:** N/A

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### EXPENDITURE SCHEDULE

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<th>Cost Elements</th>
<th>Prior Approx.</th>
<th>FY 2012 Budget</th>
<th>Appro. Total</th>
<th>Five Year Capital Program</th>
<th>Master Plan</th>
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### FUNDING SCHEDULE

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### OPERATING BUDGET IMPACT:

- Estimated Annual Debt Service Cost:
- Annual Operating/Maintenance Cost:
- New Positions (FTE's):

**PROJECT MANAGER:** Mohan Kohli
**PROJECT:** MAGNOLIA MIDDLE SCHOOL COMPREHENSIVE HVAC SYSTEMIC PROJECT  
**TYPE OF PROJECT**  
**DISTRICT:** Joppa, MD  
**LOCATION:**  
**PRIORITY:** 4 of 11  
**PROJECT NUMBER:** NEW  
**Project Description / Justification:** The age of the HVAC equipment and systems in this facility are at least 31 years old with the exception of the cooling tower and HVAC controller. There are numerous equipment inefficiencies and noise issues, in addition to indoor air quality concerns that could be proactively addressed with a major comprehensive HVAC systemic project. This replacement/upgrade project includes new boilers, chillers, domestic hot water heaters, pumps, air handling units with energy recovery capability, new pool air handler with dehumidification capability, DDC energy management system, limited piping and ductwork replacement as warranted, and extending air conditioning into teaching areas that currently lack cooling. In addition, certain lighting fixtures and ceiling tiles will be replaced as a consequence of the HVAC work. The project will be phased in over one school year and two summers, for a 16-18 month construction period and will require 8 portable classrooms for phasing purposes.  
**Project Schedule:** Start design - July 2012; Complete design - February 2013; Bid contract - March 2013; Award contract - May 2013. Based on this tentative schedule the anticipated completion and occupancy is August 2014.  
**Project Status:** N/A  
**Financial Activity:**  
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| Local | 0 | 4,018,000 | 4,018,000 | 4,018,000 | 4,018,000 | 4,018,000 |  
| Other: | 0 | 0 | 0 | 0 | 0 | 0 |  
| Harford Cty P & R | 0 | 0 | 0 | 0 | 0 | 0 |  
| Harford Cty BOE | 0 | 0 | 0 | 0 | 0 | 0 |  
| Total Funds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,800,000 |  

**OPERATING BUDGET IMPACT:**  
Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost:  
New Positions (FTE's):  
**PROJECT MANAGER:** Mohan Kohli
**PROJECT:** Homestead/Wakefield Elementary School Modernization  
**DISTRICT:** Bel Air, MD  
**LOCATION:** Bel Air, MD  
**PRIORITY:** 5 of 11  
**TYPE OF PROJECT:** 
**PROJECT NUMBER:** B084113

**Project Description / Justification:**
Wakefield Elementary School was constructed in 1958 with a kindergarten annex in 1968 and media center addition in 1996. Homestead Elementary School was constructed in 1966 with a media addition in 1998. The project calls for the full modernization of 115,458 square feet in the two building campus. A scope study was performed in FY 2009 and FY 2010. The scope study determined the optimal building scheme. The proposed John Archer School at Bel Air Middle School would require the demolition of the Homestead building. We will request "Local State Planning" approval in FY 2012 and construction funding in FY 2013.

**Project Schedule:** N/A

**Project Status:** N/A

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### EXPENDITURE SCHEDULE

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| Local                  | 100,000      | 100,000        | 2,600,000    | 10,371,424 10,391,425                | 23,462,849|         |         |         |         |
| Other                  | 0            | 0              | 0            | 0                                  |           |         |         |         |         |
| Harford Cty P & R      | 0            | 0              | 0            | 0                                  |           |         |         |         |         |
| Harford Cty BOE        | 33,453       | 33,453         | 33,453       | 33,453                             |           |         |         |         |         |
| **Total Funds**        | 133,453      | 0              | 133,453      | 2,600,000 10,371,424 17,492,897 7,101,472 | 0 37,699,246 | 0       | 0       | 0       | 0       |

### OPERATING BUDGET IMPACT

- Estimated Annual Debt Service Cost: [Redacted]
- Annual Operating/Maintenance Cost: [Redacted]
- New Positions (FTE's): [Redacted]

**PROJECT MANAGER:**
The facility currently houses approximately 147 medically fragile and severely disabled students. As the majority of the students once attending this school have mainstreamed, the remaining space is used to provide County wide special education services, including diagnostic, prescriptive and remedial services. A new facility is needed to meet Federal and State inclusion laws and to bring the campus closer to the central part of the County where medical services are readily available. It is proposed that a new addition be attached to the Bel Air Middle School facility, which is currently located on the same site as Homestead/Wakefield Elementary School and the Bel Air High School. The scope study was performed in FY2009 - FY2010, and it was determined that the Homestead/Wakefield ES project must proceed prior to the construction of the John Archer School at Bel Air Middle School.

Project Schedule: The BOE will request State "Local Planning Approval" in FY2012; design funding from the County in FY2013; and construction funding from the County in FY2014.

Project Status: N/A

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OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost: 
Annual Operating/Maintenance Cost:
New Positions (FTE's):

PROJECT MANAGER:
**PROJECT:** YOUTH BENEFIT ELEMENTARY SCHOOL REPLACEMENT  
**DISTRICT:** Fallston, MD  
**LOCATION:**  
**PRIORITY:** 7 of 11  
**TYPE OF PROJECT**  
**PROJECT NUMBER** B074127

### Project Description / Justification:
This facility is a two school campus, with the original buildings constructed in 1953 and 1973, respectively. A scope study was completed in spring 2007 after the BOE approved the project in FY2007. The study showed from a site logistic, instructional perspective, age of infrastructure and operational management during construction, that the existing two existing buildings should be demolished in phases to allow for one new replacement school. A state feasibility waiver request was submitted for review with MSDE and the IAC. The FY 2009 request satisfied the existing design contract and awarded a construction management contract to review documents and provide periodic estimates. The design development phase is 60% completed and the project has been placed on hold due to postponement of County funding and construction funding in FY2013.

### Project Schedule:
The project is in the design development phase. The balance of the design phase will be completed in FY2014 and construction funding will be requested in FY2015. Based on this tentative schedule the anticipated completion and occupancy is August 2016.

### Project Status:
Design development phase - 60% completed.

### EXPENDITURE SCHEDULE

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### FUNDING SCHEDULE

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| Local              | 1,700,600    | 1,700,600      | 18,000,000   | 10,570,000   | 30,270,600   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30,270,600 |
| Other:             | 0            | 0              |              | 0            |              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harford Cty P & R  | 0            | 0              |              | 0            |              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harford Cty BOE    | 0            | 0              |              | 0            |              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total Funds**    | 1,700,600    | 0              | 1,700,600    | 0            | 0            | 18,000,000   | 18,320,000   | 7,750,000    | 45,770,600 | 0 | 0 | 0 | 0 | 0 | 0 | 45,770,600 |

### OPERATING BUDGET IMPACT:
- Estimated Annual Debt Service Cost:  
- Annual Operating/Maintenance Cost:  
- New Positions (FTE's):  

**PROJECT MANAGER:** Mohan Kohli
**PROJECT:** WILLIAM PACA/OLD POST ELEMENTARY SCHOOL REPLACEMENT  
**DISTRICT:**  
**LOCATION:** Abingdon, MD  
**PRIORITIZATION:** 8 of 11  
**TYPE OF PROJECT:** NEW  
**PROJECT NUMBER:**  

**Project Description / Justification:** This elementary school consists of two buildings with a total of 112,417 sq. ft. William Paca Elementary School was constructed in 1964 with a media center and Old Post Elementary School was constructed in 1956, 1957 and 1968. All sections were renovated in 1975 with a media center addition in 1997. The need for a full modernization arises due to age of the infrastructure and program spatial requirements. A full scope study was performed in FY2009 and FY2010. The Board of Education approved the demolition of the existing buildings and its replacement with a single 2-story building.

**Project Schedule:** The BOE will request “Local State Planning” approval in FY 2015 and construction funding in FY 2016.

**Project Status:** N/A

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**OPERATING BUDGET IMPACT:**  
Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost:  
New Positions (FTE's):  

**PROJECT MANAGER:** Chris Morton
**Project Description/Justification:**
This facility is a two school campus, with the original buildings constructed William Paca Elementary School was constructed in 1964 with a media center and does not have air conditioning. To provide equity amongst our schools a decision was made by the Board of Education to install a minimum cost system with a 15 year minimum equipment life expectancy to provide a desirable environmental atmosphere.

The scope of work is to install a Packaged Unit Ventilator System, each unit having its own cooling/compressor system built-in and would include a hot water heating a hot water system. Existing heating unit ventilators with surrounding casework would be removed and replaced with new compatible casework with new air conditioning and heating system ventilator.

**Project Schedule:**
Start design - July 2012; Complete design - February 2013; Bid contract - March 2013; Award contract - May 2013.

Based on this tentative schedule the anticipated completion and occupancy is August 2014.

**Project Status:** N/A

**EXPENDITURE SCHEDULE**

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**FUNDING SCHEDULE**

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**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost:  
New Positions (FTE’s):  

**PROJECT MANAGER:** Mohan Kohli
PROJECT: YOUTH BENEFIT ELEMENTARY SCHOOL AIR CONDITIONING

DISTRICT: Fallston, MD

LOCATION: Fallston, MD

Prior Approval: 374,960

FY 2012 Budget: 374,960

Approx. Total: 374,960

Five Year Capital Program

FY 2013: 374,960

FY 2014: 374,960

FY 2015: 374,960

FY 2016: 374,960

FY 2017: 374,960

Sub-total: 374,960

Master Plan

FY 2018: 374,960

FY 2019: 374,960

FY 2020: 374,960

FY 2021: 374,960

Total Project Cost: 374,960

FUNDING SCHEDULE

State: 0

Local: 0

Other: 0

Harford Cty P & R: 0

Harford Cty BOE: 0

HCPS 2011 transfer: 4,800,000

Total Funds: 4,800,000

0

Operating Budget Impact:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Mohan Kohli
**PROJECT:** CENTER FOR EDUCATIONAL OPPORTUNITY  
**DISTRICT:** Aberdeen, MD  
**LOCATION:** Aberdeen, MD  
**PRIORITY:** 11 of 11  
**TYPE OF PROJECT:** NEW  
**PROJECT NUMBER:** NEW

**Project Description / Justification:**
This facility is the old Aberdeen High School North Building constructed in 1965. It was used as the high school before the new replacement school was built in 2004. It is now used for the Alternative Education Program and to conduct professional development. In an effort to provide equity amongst our schools, the BOE made a decision to install a system at a minimum cost, with a 15 year equipment expectancy to provide a comfortable environmental atmosphere. The Alternative Education Program occupies approximately 36,000 sq. ft. of the facility.

The scope of work is to install a packaged unit ventilator system where each unit will have its own cooling/compressor system built-in and would include a hot water heating system. The existing heating unit ventilators and the surrounding casework would be removed and replaced with a new air conditioning and heating system ventilator and new compatible casework.

**Project Schedule:** Start design - July 2013; Complete design - February 2014; Bid contract - March 2014; Award contract - May 2014. Based on this tentative schedule the anticipated completion and occupancy is August 2015.

**Project Status:** N/A

**EXPENDITURE SCHEDULE**

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**FUNDING SCHEDULE**

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**OPERATING BUDGET IMPACT:**

- Estimated Annual Debt Service Cost:  
- Annual Operating/Maintenance Cost:  
- New Positions (FTE's):  

**PROJECT MANAGER:** Mohan Kohli
PROJECT: ADA IMPROVEMENTS
DISTRICT: Various
LOCATION: Various
PRIORITY: _____ of _____
TYPE OF PROJECT
PROJECT NUMBER B064143

Project Description/Justification:
This project provides for building and grounds improvements to bring schools into compliance with current Americans with Disabilities Act Accessibility guidelines, and the Maryland Accessibility Code. Buildings will be surveyed to establish priorities for projects, and the list will be integrated with the Capital Improvement Program.

Old Post Road Elementary - Restrooms
Aberdeen Middle - Restrooms and Fountains
Center for Educational Opportunity - Restrooms
Riverside Elementary - Restrooms and Fountains
Southampton Middle - Restrooms and Fountains

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Project Schedule: N/A
Project Status: N/A

Financial Activity: Expended Encumbered Total
Date $ $ $0

EXPENDITURE SCHEDULE

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FUNDING SCHEDULE

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| Local                 | 250,000       | 250,000        | 100,000     | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 750,000   | 0       | 0       | 0       | 0       | 750,000           |
| Other:                | 0             | 0              | 0           | 0       | 0       | 0       | 0       | 0       | 0         | 0       | 0       | 0       | 0       | 0                 |
| Harford Cty P & R     | 0             | 0              | 0           | 0       | 0       | 0       | 0       | 0       | 0         | 0       | 0       | 0       | 0       | 0                 |
| Harford Cty BOE       | 100,000       | 100,000        | 200,000     | 0       | 0       | 0       | 0       | 0       | 0         | 0       | 0       | 0       | 0       | 200,000           |
| Total Funds           | 350,000       | 100,000        | 450,000     | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 950,000   | 0       | 0       | 0       | 0       | 950,000          |

OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost: __________
Annual Operating/Maintenance Cost: __________
New Positions (FTE's): __________

PROJECT MANAGER: Patti Jo Beard
**PROJECT:** ATHLETIC FIELDS REPAIR AND RESTORATION  
**DISTRICT:** Various  
**LOCATION:** Various  
**PRIORITY:** of  
**TYPE OF PROJECT**  
**PROJECT NUMBER** B034113  

### Project Description / Justification:
This project provides funds of $5,000 for each existing high school athletic fields. There are a total of ten (10) high schools. In addition, this account also provides funds of $20,000 for one high school a year to restore its stadium fields, which includes practice and/or stadium fields. The funds are important for the routine maintenance of the sod, which has a five (5) year life cycle. FY2012 funds will be used for Fallston High School.

The following school fields will be restored in the associated budget years:
- Patterson Mill High School - FY13
- Aberdeen High School - FY15
- Joppatowene High School - FY14
- Havre de Grace High School - FY16
- Middle School Fields - FY17

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

### Project Schedule:
N/A

### Project Status:
N/A

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### FUNDING SCHEDULE

| State               | 0             | 0               | 0            | 0       | 557,000 |
| Local               | 207,000       | 70,000          | 70,000       | 70,000  | 70,000  | 70,000  | 557,000 |
| Other:              | 0             | 0               | 0            | 0       | 0       | 0       | 0       | 557,000 |
| Harford Cty P & R   | 0             | 0               | 0            | 0       | 0       | 0       | 0       | 0       |
| Harford Cty BOE     | 70,000        | 70,000          | 140,000      | 140,000 | 0       | 0       | 0       | 140,000  |
| **Total Funds**     | 277,000       | 70,000          | 347,000      | 70,000  | 70,000  | 70,000  | 70,000  | 697,000  |

### OPERATING BUDGET IMPACT:
- Estimated Annual Debt Service Cost:
- Annual Operating/Maintenance Cost:
- New Positions (FTE's):

**PROJECT MANAGER:** Ken Zorbach
PROJECT: BACKFLOW PREVENTION
DISTRICT: Various
LOCATION: PRIORITY: of
PROJECT NUMBER: B054111

Project Description / Justification:
Design services to inventory all schools to determine the existing backflow prevention on water systems within the school.
The following schools are designated for backflow upgrades to meet current code requirements:

George D. Lisby @ Hillsdale ES - Domestic and fire suppression systems.
Halls Cross Road ES - Two (2) Domestic water systems requiring backflow valves.
Havre de Grace ES, Fallston HS, Fallston MS - Domestic & Fire suspension water.
Jarrettsville ES - Domestic water & fire suppression, Churchville ES, Forest Hill ES - Domestic water.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Project Schedule: N/A
Project Status: N/A

Financial Activity: Expended Encumbered Total
Date $ $ $0

EXPENDITURE SCHEDULE

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FUNDING SCHEDULE

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| Other:              | 0            | 0              | 0           | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0                 |
| Harford Cty P & R   | 0            | 0              | 0           | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0                 |
| Harford Cty BOE     | 100,000      | 100,000        | 200,000     | 0       | 0       | 200,000 | 0       | 0       | 0       | 0       | 0       | 0       | 200,000           |
| Total Funds         | 450,000      | 100,000        | 550,000     | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 1,050,000 | 0       | 0       | 0       | 1,050,000         |

OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost: $0
Annual Operating/Maintenance Cost: $0
New Positions (FTE's): $0

PROJECT MANAGER: Patti Jo Beard
**PROJECT:** BAND UNIFORM REFRESH  
**DISTRICT:** Various  
**LOCATION:** Various  
**PRIORITIZATION:** of _____  
**TYPE OF PROJECT:** NEW  
**PROJECT NUMBER:**  

**Project Description / Justification:**  
Band uniforms have a use expectancy of about ten years. The funds requested are needed to replace one set of uniforms per year for each school. This capital request for FY2012 will handle replacing band uniforms at Fallston High School. Future band uniform refreshment projects will be as follows:

- FY 2013 - Havre de Grace High School  
- FY 2014 - Joppatowne High School  
- FY 2015 - C. Milton Wright High School  
- FY 2016 - Aberdeen High School  
- FY 2017 - Harford Technical High School  

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:** N/A  
**Project Status:** N/A

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**OPERATING BUDGET IMPACT:**

- Estimated Annual Debt Service Cost: 
- Annual Operating/Maintenance Cost: 
- New Positions (FTE's): 

**PROJECT MANAGER:** James E. Boord
**PROJECT:** BLEACHER REPLACEMENT
**DISTRICT:** Various

**PROJECT NUMBER**

**TYPE OF PROJECT**

**LOCATION:** Various
**PRIORITY:** ______ of ______

**Project Description / Justification:**
This project provides funding for the removal and replacement of interior bleachers. The FY 2012 funds will be used for Bel Air Middle School.

Future bleacher replacement projects will be as follows:
- FY 2013 - North Harford Middle School
- FY 2014 - Harford Technical High School (small gym)
- FY 2015 - Magnolia Middle School
- FY 2016 - C. Milton Wright High School
- FY 2017 - CEO building

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:** N/A

**Project Status:** N/A

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**OPERATING BUDGET IMPACT:**

- Estimated Annual Debt Service Cost:  
- Annual Operating/Maintenance Cost:  
- New Positions (FTE's):  

**PROJECT MANAGER:** Patti Jo Beard
PROJECT: BUILDING ENVELOPE IMPROVEMENTS
DISTRICT: Various
LOCATION: PRIORITY: ______ of ______

TYPE OF PROJECT

PROJECT NUMBER

Project Description / Justification: This project addresses aging schools outside the modernization schedule requiring window, door, masonry or siding renewal. Improvements will provide enhanced security, energy conservation and weatherproofing. FY 2012 funds will be used for Havre de Grace High School - Storefront windows and auditorium building.
FY 2013 - Southampton Middle School - Doors and hardware (exterior)
FY 2014 - Aberdeen Middle School - Doors and hardware (exterior)
FY 2015 - Aberdeen Middle School - Masonry Point Up
FY 2016 - Havre de Grace Middle School - Exterior doors and hardware
FY 2017 - Southampton Middle School - Masonry pointing project

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Project Schedule: N/A

Project Status: N/A

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OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost: 
Annual Operating/Maintenance Cost: 
New Positions (FTE's): 

PROJECT MANAGER: Patti Jo Beard
This project provides funds to upgrade equipment in 31 MSDE-approved high school Career and Technology Education (CTE) programs to meet industry standards. Funds were approved by the Board of Education in 2004 to be renewed annually in the Capital Budget to replace the former State Categorical Grant set-aside money for CTE. Equipment upgrades include: computers, printers and scanners for Business Education programs; ovens, washer/dryers, refrigerators, freezers and computers for Family and Consumer Sciences programs; and machinery, such as headlamp aligning system, vet imagining system, digital printing press, or skid tractor used in CTE programs at Harford Technical High School. As CTE programs are added or expanded, more equipment will be needed to maintain industry standards and postsecondary articulation agreements.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:** N/A

**Project Status:** N/A

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<th>Master Plan</th>
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| Total Project Cost  | 0       | 0       | 0       | 0       | 0       | 0         | 0       | 0       | 0       | 1,200,000 |

### FUNDING SCHEDULE

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### OPERATING BUDGET IMPACT:

- Estimated Annual Debt Service Cost: 
- Annual Operating/Maintenance Cost: 
- New Positions (FTE's): 

**PROJECT MANAGER:** Susan Garrett
Energy conservation funds are used to replace, retrofit and install energy reducing equipment and support other related energy reducing measures within the school system. Types of expenditures included are occupancy sensors for lighting, HVAC equipment, lighting upgrades to provide efficient lighting and expanded Energy Management Controls.

Primary focus will be given to replacing the ballasts and lamps in the T12 fixtures in our facilities. These lamps are scheduled to go out of production by the end of the next year. The following locations currently operate T12 lamps: Harford Technical High, Fountain Green Elementary, Abingdon Elementary, Prospect Mill Elementary, North Harford Elementary, Norrisville Elementary, and the Center for Educational Opportunity.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

## EXPENDITURE SCHEDULE

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## FUNDING SCHEDULE

| State             | 0            | 0              | 0            | 0       | 0       | 0       | 0       | 0       | 0         | 0       | 0       | 0       | 0       | 0                 |
| Local             | 0            | 250,000        | 250,000      | 250,000 | 250,000 | 250,000 | 1,250,000 | 0       | 1,250,000 | 1,250,000 | 0       | 0       | 0       | 0       | 1,250,000 |
| Other:            | 0            | 0              | 0            | 0       | 0       | 0       | 0       | 0       | 0         | 0       | 0       | 0       | 0       | 0                 |
| Harford Cty P & R | 0            | 0              | 0            | 0       | 0       | 0       | 0       | 0       | 0         | 0       | 0       | 0       | 0       | 0                 |
| Harford Cty BOE   | 250,000      | 250,000        | 500,000      | 500,000 | 0       | 0       | 0       | 0       | 500,000   | 500,000   | 0       | 0       | 0       | 0       | 0                 |
| Total Funds       | 250,000      | 250,000        | 500,000      | 250,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,750,000 | 1,750,000 | 0       | 0       | 0       | 0       | 1,750,000 |

## OPERATING BUDGET IMPACT:

- Estimated Annual Debt Service Cost: 
- Annual Operating/Maintenance Cost:  
- New Positions (FTE's): 

PROJECT MANAGER: Andrew Cassilley
Environmental regulations demand compliance in a number of areas - indoor air quality, waste management, fuel tank replacement, water quality control, radon testing, asbestos removal and other similar matters. Asbestos abatement will occur based on current conditions at the time and available funding.

- William Paca Elementary - UST; Joppatowne High - Media Center - Spray on
- Bel Air Middle - Removal of UST; Youth's Benefit Primary crawlspace and William Paca Elementary - ACM removal
- Homestead Elementary - UST removal; Edgewood Middle crawlspace and wall covering - ACM removal
- Wakefield Elementary - UET removal; Joppatowne High boiler room & Halls Cross Road crawlspace - ACM removal
- Royle Williams Elementary - UST removal; George D. Lisby @ Hillsdale tile and Youth's Benefit acoustic plaster - ACM removal
- Jarrettsville Elementary - UST removal

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Project Schedule: N/A

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<tr>
<th>Cost Elements</th>
<th>Prior Appro.</th>
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<th>Appro. Total</th>
<th>Five Year Capital Program</th>
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<th>Total Project Cost</th>
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Funding Schedule:

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| Local                | 2,541,263    | 2,541,263    | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 3,041,263 | 0 | 0 | 0 | 0 | 3,041,263 |
| Other:               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harford Cty P & R    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harford Cty BOE      | 200,000     | 100,000      | 300,000      | 300,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300,000 |
| Total Funds          | 2,741,263    | 100,000      | 2,841,263    | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 3,341,263 | 0 | 0 | 0 | 0 | 3,341,263 |

Operating Budget Impact:

Estimated Annual Debt Service Cost: 
Annual Operating/Maintenance Cost: 
New Positions (FTE's):

PROJECT MANAGER: Patti Jo Beard
Project Description / Justification:
Annual increases in student enrollment are requiring the purchase of age appropriate furniture, particularly for secondary schools. Existing schools have replacement needs as furniture and equipment reach the end of their life cycle. The FY 2012 funds will be used to equipment and furniture replacement at Edgewood MS and Southampton MS.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Project Schedule: N/A
Project Status: N/A

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<td>Total Funds</td>
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OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost: 
Annual Operating/Maintenance Cost: 
New Positions (FTE's):

PROJECT MANAGER: Cornell S. Brown
PROJECT: FIRE ALARM & ER COMMUNICATIONS
DISTRICT: Various
LOCATION: Various
PRIORITY: 0 of 0
TYPE OF PROJECT
PROJECT NUMBER B004112

Project Description / Justification:
Funds are utilized for the repair or replacement of obsolete fire alarm and emergency communication systems.
The following schools are scheduled for consideration in FY2012:
- Havre de Grace Middle School
- Prospect Mill Elementary School
- Dublin Elementary School
- North Bend Elementary School
- C. Milton Wright High School
- Roye-Williams Elementary School

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Project Schedule: N/A
Project Status: N/A

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OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost:
Annual Operating/Maintenance Cost:
New Positions (FTE's):

PROJECT MANAGER: Barry Pickelsimer
**PROJECT:** FLOOR COVERING REPLACEMENT  
**DISTRICT:**Various  
**LOCATION:**Various  
**PRIORITY:** _______ of _______  
**TYPE OF PROJECT**  
**PROJECT NUMBER**  

**Project Description / Justification:**  
This project provides funding for large scale flooring renewal in schools outside of the modernization schedule, primarily Carpet and Vinyl Composition Tile.

The future carpet school replacement projects will be as follows:  
- FY 2012 - Bel Air Middle School Media Center  
- FY 2013 - Havre de Grace Elementary  
- FY 2014 - North Bend Elementary  
- FY 2015 - Darlington Elementary  
- FY 2016 - Hall's Cross Roads Elementary  
- FY 2017 - Abingdon Elementary

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:** N/A  
**Project Status:** N/A

**EXPENDITURE SCHEDULE**

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<th>Prior Appro.</th>
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<th>Appro. Total</th>
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**FUNDING SCHEDULE**

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**OPERATING BUDGET IMPACT:**

- Estimated Annual Debt Service Cost: 
- Annual Operating/Maintenance Cost: 
- New Positions (FTE's):
**LOCKER REPLACEMENT**

**LOCATION:** Various  
**PRIORITY:** ______ of ______

Project Description / Justification:

This project provides funding for replacement of lockers of boys and girls locker rooms.

The following schools are currently scheduled for locker replacement:
- FY 2012 - Fallston High School
- FY 2013 - C. Milton Wright High School
- FY 2014 - Bel Air Middle Media Center
- FY 2015 - Southampton Middle School
- FY 2016 - North Hampton Middle School

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:** N/A  
**Project Status:** N/A

Financial Activity:  
Date | Expended | Encumbered | Total |
--- | --- | --- | --- |
 | $0 | $0 | $0 |

### EXPENDITURE SCHEDULE

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**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost:  
New Positions (FTE's):  

**PROJECT MANAGER:** Patti Jo Beard
**PROJECT:** MAJOR HVAC REPAIRS  
**DISTRICT:**  
**LOCATION:** Various  
**PRIORITY:** of  
**TYPE OF PROJECT**  
**PROJECT NUMBER**  

Project Description / Justification:  
This capital project provides funding for large major equipment repairs and replacement of HVAC equipment at various school buildings. All minor repairs are handled through the Harford County Public Schools normal maintenance operating budget. The FY2012 funding will be used for the following projects:

- Halls Cross Road-HVAC retrofit office and senior wing areas;
- Havre de Grace ES- boiler room controls retrofit and chiller replacement;
- Ring Factory ES-major ductwork repairs, replacement and insulation;
- Emmorton ES - replace ice storage cooler;
- William S. James ES- HVAC upgrade and control retrofit;
- Fallston MS- HVAC controls upgrade, chiller and cooling tower replacement;
- Fallston HS- HVAC control upgrade and frequency drive installation;
- C. Milton Wright HS- burner replacement for two boilers; Prospect Mill ES - new office area and kitchen HVAC upgrades. Future year HVAC replacement projects are as follows:

- FY 2013: Church Creek ES (1) Chiller Replacement & Ring Factory ES Chiller, Cooling Tower, Control Replacement
- FY 2014: Dublin ES Heat Pump Replacement; North Bend ES (1) Chiller Replacement
- FY 2015: Darlington ES Unit DX Ventilator and Air Conditioning Controls, Prospect Mill ES Roof top units and VAV Replacement
- FY 2016: Homestead Elementary (2) Boilers and (2) Chillers Replacement; Youth's Benefit Intermediate (2) Boiler Replacements
- FY 2017: Old Post Road (2) Boilers Replacement, Joppatowne HS Boiler (2) Replacements  

FY 2018: Edgewood MS Chiller and Natatorium Unit Replacement

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School has been reallocated to fund this project.

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**FUNDING SCHEDULE**

| State               | 0             | 191,160 | 573,480 | 573,480 | 637,200 | 127,440 | 2,102,760 |
| Local               | 2,032,768     | 2,032,768 | 168,840 | 506,520 | 506,520 | 562,800 | 112,560 | 3,890,008 |
| Other               | 0             | 0         |         |         |         |         |         | 0          | 0                  |
| Harford Cty P & R   | 0             | 0         |         |         |         |         |         | 0          | 0                  |
| Harford Cty BOE     | 1,300,000     | 2,023,455 | 3,323,455 | 3,323,455 | 3,323,455 | 3,323,455 | 3,323,455 | 3,323,455 | 3,323,455 |
| HCPS 2011 transfer  | 3,691,523     | 3,691,523 | 3,691,523 | 3,691,523 | 3,691,523 | 3,691,523 | 3,691,523 | 3,691,523 | 3,691,523 |
| Total Funds         | 7,224,291     | 2,023,455 | 9,247,746 | 360,000 | 1,080,000 | 1,080,000 | 1,200,000 | 240,000 | 13,207,746 | 13,207,746 |

**OPERATING BUDGET IMPACT:**

- Estimated Annual Debt Service Cost: 
- Annual Operating/Maintenance Cost: 
- New Positions (FTE's):

**PROJECT MANAGER:** Barry Pickelsimer
**PROJECT:** MUSIC EQUIPMENT REFRESH PROGRAM  
**DISTRICT:**  

**LOCATION:** Various  
**PRIORITY:** of  

**TYPE OF PROJECT**  
**PROJECT NUMBER** B054112  

**Project Description / Justification:**  
This project provides funds for the replacement of musical instruments throughout the school system. Periodic replacement of musical instruments is required due to normal wear and tear. It is important to have funds available to maintain a basic essential musical instrument inventory as established by the music departments' needs assessment for elementary, middle and high schools that was completed in 2002.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:** N/A  
**Project Status:** N/A

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**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost:  
New Positions (FTE's):  

**PROJECT MANAGER:** James E. Boord
MUSIC TECHNOLOGY LABS PROGRAM

LOCATION: Various
PRIORITY: __________ of __________

The Music Technology lab project supports a comprehensive program which teaches technical and scientific aspects of music to high school students through a variety of technology arts classes. The program utilizes a music technology and multimedia lab which blends use of electronic devices, computer components, data storage, industry standard and musical instruments to facilitate composition, recording, playback, storage and performance. Competences include digital audio production, songwriting with music composition and digital video integration. This program provides students the core skills needed to enter a higher education institution for the entertainment industry. It also addresses funding for such program components as keyboards, software, computer hardware and related textbooks. The FY 2012 funding will be used for Havre de Grace and Aberdeen High Schools. Future music technology lab projects are planned as follows:
FY 2013 - C. Milton Wright and North Harford High School
FY 2014 - Fallston High School
FY 2015 - Harford Technical High School
FY 2016 Joppatowne High School
Beginning in FY 2017, two schools will be refreshed per year.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

EXPENDITURE SCHEDULE

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OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost: __________
Annual Operating/Maintenance Cost: __________
New Positions (FTE's): __________

PROJECT MANAGER: James E. Boord
## Project Description / Justification:

This account provides to maintain existing high school tracks to replace specific surface areas to provide a seamless safe surface for the use by students and the public.

The funding for FY 2012 will be used for tracks at Joppatowne High School and Fallston High School. The running track at Joppatowne High School is in major disrepair and requires a comprehensive replacement due to normal wear. This project will consist of the removal of the rubber track surface, fill asphalt cracks on base surface, install 1.5" of asphalt paving, install rubber surface and new take off boards. The remaining funds will provide minor repair for the running track at Fallston High School consisting of power washing, repair patching and new layout track lines.

Funding in future years will provide for improvements at two (2) high school track surfaces.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

### Project Schedule:

N/A

### Project Status:

N/A

### Expenditure Schedule

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<th>FY 2012 Budget</th>
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### Operating Budget Impact:

- Estimated Annual Debt Service Cost: [Blank]
- Annual Operating/Maintenance Cost: [Blank]
- New Positions (FTE's): [Blank]

**Project Manager:** Ken Zorbach
**PROJECT:** PAVING - NEW PARKING AREAS  
**DISTRICT:**  
**LOCATION:** Various  
**PRIORITY:**  
**TYPE OF PROJECT:**  
**PROJECT NUMBER:** B064126  

**Project Description / Justification:** Installation of new parking areas and associated storm water management. Locations will be determined following a system wide needs assessment.  

**Project Schedule:** N/A  
**Project Status:** N/A  

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| FUNDING SCHEDULE |         |         |         |         |         |           |         |         |         |         |                   |
|------------------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|                   |
| State            | 0       | 0       | 0       | 0       | 0       | 0         | 0       | 0       | 0       | 0       | 0                 |
| Local            | 200,000 | 0       | 200,000 | 0       | 0       | 200,000   | 0       | 0       | 0       | 0       | 200,000           |
| Other:           | 0       | 0       | 0       | 0       | 0       | 0         | 0       | 0       | 0       | 0       | 0                 |
| Harford Cty P & R| 0       | 0       | 0       | 0       | 0       | 0         | 0       | 0       | 0       | 0       | 0                 |
| Harford Cty BOE   | 100,000 | 100,000 | 0       | 0       | 0       | 100,000   | 0       | 0       | 0       | 0       | 100,000           |
| **Total Funds**   | 300,000 | 0       | 300,000 | 0       | 0       | 300,000   | 0       | 0       | 0       | 0       | 300,000           |

**OPERATING BUDGET IMPACT:**  
Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost:  
New Positions (FTE's):  

**PROJECT MANAGER:** Patti Jo Beard
Project Description / Justification: Funding to provide bituminous concrete overlay, patching, and re-striping on existing driveways and parking lots. Associated work curbs, sidewalks, and inlets as required. The FY 2012 funding request is for Aberdeen Middle School, C. Milton Wright High School, No. Harford High School and Bel Air Middle School.

The following schools require asphalt refresh in priority order of need:
FY 2013 - Hickory Annex
FY 2014 - Magnolia Elementary School (partial)
FY 2015 - Magnolia Middle School (partial)
FY 2016 - Roye Williams Elementary School

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Financial Activity: Expended Encumbered Total
Date $ $ $0

EXPENDITURE SCHEDULE

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FUNDING SCHEDULE

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OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost: 
Annual Operating/Maintenance Cost: 
New Positions (FTE's): 

PROJECT MANAGER: Patti Jo Beard
**PROJECT:** PLAYGROUND EQUIPMENT  
**DISTRICT:**  
**LOCATION:** Various  
**PRIORITY:**  
**TYPE OF PROJECT:**  
**PROJECT NUMBER:** B074124  

**Project Description / Justification:** This project provides funds for the replacement of playground equipment at elementary schools. Schools in need of new playground equipment or schools where the equipment has been deemed unsafe, are scheduled for replacement under this project. The funding source for this project is a combination of private contributions, grants, Parent Teacher Associations and Harford County Government.

The following elementary school playgrounds are scheduled for consideration in FY 2012: Edgewood, Prospect Mills, Riverside, Roye Williams, and William S. James.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:** N/A  
**Project Status:** N/A  

**EXPENDITURE SCHEDULE**

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<th>Prior Approx.</th>
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<th>Five Year Capital Program</th>
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**FUNDING SCHEDULE**

| State                | 0             | 0              | 0            | 0     | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Local                | 3,680,000     | 3,680,000      | 350,000      | 350,000| 350,000| 350,000| 350,000| 350,000| 5,430,000| 0       | 0       | 0       | 0       | 5,430,000| 0       | 0       |
| Other:               | 0             | 0              | 0            | 0     | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Harford Cty P & R    | 0             | 0              | 0            | 0     | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Harford Cty BOE      | 950,000       | 350,000        | 1,300,000    | 1,300,000| 0       | 0       | 0       | 0       | 1,300,000| 0       | 0       | 0       | 0       | 1,300,000| 0       | 0       |
| Total Funds          | 4,630,000     | 350,000        | 4,980,000    | 350,000| 350,000| 350,000| 350,000| 350,000| 6,730,000| 0       | 0       | 0       | 0       | 6,730,000| 0       | 0       |

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: 
Annual Operating/Maintenance Cost: 
New Positions (FTE's): 

**PROJECT MANAGER:** Ginny Popiolek
PROJECT: REPLACEMENT BUSES

LOCATION: Various

PRIORITY: ________ of ________

TYPE OF PROJECT

PROJECT NUMBER B024118

Project Description / Justification:
The requested FY 2012 funding allows for four (4) replacement buses and (3) special education buses. The additional special needs buses are needed for the additional students, programs and schools. These buses will comply with Federal regulations and meet the IEP requirements of special needs transportation.

Future year replacement buses are anticipated as follows:
FY 2013 - Three (3) new buses
FY 2014 - Ten (10) replacement (5 long and 5 special ed), three (3) new buses
FY 2015 - Ten (10) replacement, three (3) new buses

FY 2016 - Fourteen (14) replacement buses (special needs), three (3) new buses
FY 2017 - Fifteen (15) replacement buses (special needs), three (3) new buses

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Project Schedule: N/A

Project Status: N/A

EXPENDITURE SCHEDULE

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<th>Cost Elements</th>
<th>Prior Appro.</th>
<th>FY 2012 Budget</th>
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FUNDING SCHEDULE

| State               | 0            | 0   | 318,000 | 1,430,000 | 1,488,500 | 2,033,000 | 2,232,000 | 13,752,494 |
| Local               | 6,250,994    | 6,250,994 | 318,000 | 1,430,000 | 1,488,500 | 2,033,000 | 2,232,000 | 13,752,494 |
| Other:              | 0            | 0   | 0       | 0          | 0          | 0          | 0          | 0           |
| Harford Cty P & R   | 0            | 0   | 0       | 0          | 0          | 0          | 0          | 0           |
| Harford Cty BOE     | 1,580,000    | 714,000 | 2,294,000 | 2,294,000 | 2,294,000 | 0          | 0          | 0           |
| Total Funds         | 7,830,994    | 714,000 | 8,544,994 | 318,000 | 1,430,000 | 1,488,500 | 2,033,000 | 2,232,000 | 16,046,494 | 0       | 0       | 0       | 0       | 16,046,494 |

OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost: 0
Annual Operating/Maintenance Cost: 96,772
New Positions (FTE's): 3

PROJECT MANAGER: Charlie Taibi
Funds are provided to replace facilities maintenance, transportation, food service and warehouse vehicles, staff cars, school based tractors (including smaller equipment), and facilities grounds equipment in accordance with a 5 year replacement plan which is prepared using fleet standards utilized by Harford County Government. These standards were derived from APWA (American Public Works Association) standards and are based on age, mileage and vehicle type. The plan reflects the average annual funding needs to maintain these standards. The exact vehicles to be replaced are determined each year to ensure maximum efficiency. The non-bus fleet consists of approximately 320 pieces of equipment, not including small equipment such as push mowers, weed eaters, snow blowers etc.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Financial Activity: Expended Encumbered Total

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**EXPENDITURE SCHEDULE**

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**FUNDING SCHEDULE**

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**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: 
Annual Operating/Maintenance Cost: 
New Positions (FTE's): 

PROJECT MANAGER: Tom Rufenacht
**PROJECT:** SECURITY CAMERAS  
**DISTRICT:** Various  
**LOCATION:** Various  
**PRIORITY:** _____ of _____  
**TYPE OF PROJECT**  
**PROJECT NUMBER** B054113

**Project Description / Justification:** Funding for the installation of security cameras for the monitoring of interior and exterior areas in elementary schools. The FY2012 funds will be used for Fountain Green, Havre de Grace and Riverside Elementary Schools.

Future security camera installations will be as follows:
- **FY 2013** - Abingdon, Bel Air and William S. James Elementary Schools
- **FY 2014** - Churchville, Jarrettsville and Roys Williams Elementary Schools
- **FY 2015** - Darlington, Emmorton and Meadowvale Elementary Schools
- **FY 2016** - Dublin, Forest Hill and William Paca/Old Post Elementary Schools
- **FY 2017** - Meadowvale, Norrisville and North Bend Elementary Schools and Joppatowne High School

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:** N/A

**Project Status:** N/A

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**EXPENDITURE SCHEDULE**

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**FUNDING SCHEDULE**

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**OPERATING BUDGET IMPACT:**

- Estimated Annual Debt Service Cost: 0
- Annual Operating/Maintenance Cost: 21,000
- New Positions (FTE's): 0

**PROJECT MANAGER:** Bob Benedetto
### PROJECT: SEPTIC FACILITY CODE UPGRADES

#### TYPE OF PROJECT

#### PROJECT NUMBER: B064128

#### LOCATION: Various

#### PRIORITY: _____ of _____

**Project Description / Justification:**
This capital project funds septic system upgrades to the new standards of the Maryland Department of Environment. The funding allows for the design, permitting and construction of new systems. In addition to the repair/upgrade to failing systems currently operating. Currently, there are no septic systems in need or replacement or repair.

#### Project Schedule: N/A

#### Project Status: N/A

#### EXPENDITURE SCHEDULE

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<th>Appro. Total</th>
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</table>

**FUNDING SCHEDULE**

| State                  | 0             | 0              | 0            | 0        | 0       | 0       | 0       | 0       | 0         | 0         | 0       | 0       | 0        |
| Local                  | 0             | 0              | 500,000      | 500,000  | 500,000 | 500,000 | 500,000 | 500,000 | 2,500,000 | 2,500,000 | 2,500,000 | 2,500,000 | 2,500,000 |
| Other:                 | 0             | 0              | 0            | 0        | 0       | 0       | 0       | 0       | 0         | 0         | 0       | 0       | 0        |
| Harford Cty P & R      | 0             | 0              | 0            | 0        | 0       | 0       | 0       | 0       | 0         | 0         | 0       | 0       | 0        |
| Total Funds            | 4,425,413     | 4,425,413      | 4,425,413    | 4,425,413 | 4,425,413 | 4,425,413 | 4,425,413 | 4,425,413 | 6,925,413 | 6,925,413 | 6,925,413 | 6,925,413 | 6,925,413 |

**Operating Budget Impact:**
- Estimated Annual Debt Service Cost:
- Annual Operating/Maintenance Cost:
- New Positions (FTE's):

**PROJECT MANAGER:** Patti Jo Beard
This capital project funds the necessary renovation and upgrades for our facilities to comply with special education codes. The State and Local code mandates are unknown at this time, but can be issued without notice. The following are examples of general projects that may be required in the future:
- restraint and seclusion updates as mandated by reauthorization of law;
- Autism Spectrum Disorder (ASD) program and school refinements;
- moving of centers and programs as required due to spacing issues; and
- securing space for a post-secondary program in the Joppatowne or Edgewood area that would provide work/enclave access for students.

Capital plans/funding are mostly based on reactive measures to comply with laws and mandates.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

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<th>EXPENDITURE SCHEDULE</th>
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OPERATING BUDGET IMPACT:
Estimated Annual Debt Service Cost: 500,000
Annual Operating/Maintenance Cost: 600,000
New Positions (FTE's): 0

PROJECT MANAGER: Ann-Marie Spakowski
**PROJECT:** STORM WATER MANAGEMENT, EROSION, SEDIMENT CONTROL

**LOCATION:** Various

**PRIORITY:** _of_ __________

**TYPE OF PROJECT**

**PROJECT NUMBER** B064128

**Project Description / Justification:**

This capital project funds the restoration of grounds and storm water management facilities including erosion control, aeration and fertilization, and control of invasive species. The requested funds for FY 2012 will be used to replace additional underground concrete drainage pipes at Southampton Middle School.

**Future projects under consideration:**

FY 2013 - Fallston Middle School stream crossing; and

To be determined - Repairs to Storm water Management Ponds at Ring Factory Elementary School, Aberdeen High School, North Harford Middle School, Emmorton Elementary School, Fountain Green Elementary School and Hickory Elementary School.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:** N/A

**Project Status:** N/A

**EXPENDITURE SCHEDULE**

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**FUNDING SCHEDULE**

| State                   | 0             | 0              | 0             | 0                                | 0       | 0       | 0       | 0       | 0          | 0       | 0       | 0       | 0       | 0                 |
| Local                   | 200,000       | 200,000        | 100,000       | 50,000                          | 50,000  | 50,000  | 50,000  | 50,000  | 500,000    | 0       | 0       | 0       | 0       | 500,000           |
| Other:                  | 0             | 0              | 0             | 0                                | 0       | 0       | 0       | 0       | 0          | 0       | 0       | 0       | 0       | 0                 |
| Harford Cty P & R       | 125,000       | 50,000         | 175,000       | 175,000                          | 0       | 0       | 0       | 0       | 0          | 0       | 0       | 0       | 0       | 175,000           |
| Harford Cty BOE         | 0             | 0              | 0             | 0                                | 0       | 0       | 0       | 0       | 0          | 0       | 0       | 0       | 0       | 0                 |
| **Total Funds**         | 325,000       | 50,000         | 375,000       | 100,000                          | 50,000  | 50,000  | 50,000  | 50,000  | 675,000    | 0       | 0       | 0       | 0       | 675,000          |

**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost: 
Annual Operating/Maintenance Cost: 
New Positions (FTE's): 

**PROJECT MANAGER:** Patti Jo Beard
### PROJECT: SWIMMING POOL RENOVATIONS

**Location:** Various

**Priority:**

**Type of Project:**

**Project Description:**

This budget category is used for renovation and replacement of the infrastructure for three (3) swimming pools that are located at Edgewood, Magnolia and North Harford Middle Schools. It will also be used to provide routine maintenance based on a professional plan. It addresses current, medium and long range maintenance needs to preserve the infrastructure and the filtration system, so that it can remain viable for many years to come. The FY 2012 funds will be used for installing new vinyl depth markers and paint pool interior warning lines at all three (3) pools.

**Future projects for consideration:**

- **FY 2013 - Regrout pool interiors at Edgewood Middle School and Magnolia Middle School**
- **FY 2014 - New filtering systems at Magnolia Middle School**
- **FY 2015 - New filtering systems at North Harford Middle School**
- **FY 2016 - Dehumidification system at Edgewood Middle School**
- **FY 2017 - Dehumidification system at North Harford Middle School**

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:**

N/A

**Project Status:**

N/A

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### OPERATING BUDGET IMPACT:

- **Estimated Annual Debt Service Cost:**
- **Annual Operating/Maintenance Cost:**
- **New Positions (FTE's):**

**PROJECT MANAGER:** Ginny Popielek
**PROJECT:** TECHNOLOGY EDUCATION LAB REFRESH  
**DISTRICT:** Various  
**LOCATION:** Various  
**PRIORITY:**  
**TYPE OF PROJECT:**  
**PROJECT NUMBER:** B994124  

**Project Description / Justification:**  
This project provides funds to renovate secondary school technology education classrooms to provide current equipment and technology to reflect program changes defined by MSDE in 2005, and the new HCPS STEM initiative (Science-Technology-Engineering-Math).  
The following list provides details of this budget item;  
1. Purchase middle school laptop computers for Bel Air, Havre de Grace and North Harford Middle Schools.  
2. Replacement of middle and high school Technology Education Tools and equipment as needed.  
3. Regular maintenance of 192 high school laptop computers at all high schools except Harford Technical High School and Patterson Mill.  
4. Purchase of middle school equipment to implement Project Lead the Way - PreEngineer Program - Gateway to Technology for Havre de Grace MS.  

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

**Project Schedule:** N/A  
**Project Status:** N/A  

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## EXPENDITURE SCHEDULE

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## FUNDING SCHEDULE

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### OPERATING BUDGET IMPACT:
- Estimated Annual Debt Service Cost: 
- Annual Operating/Maintenance Cost: 
- New Positions (FTE's): 

**PROJECT MANAGER:** Laverne Pitts
PROJECT: TECHNOLOGY INFRASTRUCTURE

LOCATION: Various

PRIORITY: of

TYPE OF PROJECT

PROJECT NUMBER: B044118

Project Description / Justification:
This project addresses critical annual investments required for a rapidly growing, technology rich environment. These investments are essential to maintain a high level of operational efficiency, avoid obsolescence, address increase bandwidth demands and preserve compatibility to industry standards for technology infrastructure components. This overarching project includes refresh programs for instructional and administrative computers; network, information security, data storage and communications equipment; servers; instructional and administrative software; antiquated auditorium/gymsnasium lighting and sound systems; and corporate business systems (e-mail, ERP, & student information system). The project also encompasses the integration of multi-media interactive technologies into classrooms to promote stronger student engagement. Additionally, the project is a strategic information technology collaboration involving all the government agencies to address current and future technology initiatives of Harford County. Funding for HCPS’ part of the design, implementation and maintenance of a county-wide private fiber network is coordinated under this project. The future year projections represent a place holder and the Technology Department will provide a detailed budget estimate of their actual needs.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Project Schedule: N/A

Project Status: N/A

Financial Activity: Expended Encumbered Total

EXPENDITURE SCHEDULE

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<td>5,268,520</td>
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FUNDING SCHEDULE

| State                | 0             | 0              | 0            | 0       | 0       | 0       | 0       | 0       | 0        | 0       | 0       | 0       | 0       | 0                 |
| Local                | 14,023,427    | 14,023,427     | 14,023,427   | 10,072,500 | 11,921,200 | 12,348,700 | 10,538,200 | 10,723,200 | 69,627,227 | 0       | 0       | 0       | 0       | 69,627,227       |
| Other:               | 0             | 0              | 0            | 0       | 0       | 0       | 0       | 0       | 0        | 0       | 0       | 0       | 0       | 0                 |
| Harford Cty P & R    | 0             | 0              | 0            | 0       | 0       | 0       | 0       | 0       | 0        | 0       | 0       | 0       | 0       | 0                 |
| Harford Cty BOE      | 2,477,630     | 5,268,520      | 7,746,150    | 7,746,150 | 7,746,150 | 7,746,150 | 7,746,150 | 7,746,150 | 0       | 0       | 0       | 0       | 0                 |
| Recycling Revenue    | 205,737       | 205,737        | 205,737      | 205,737 | 205,737 | 205,737 | 205,737 | 205,737 | 205,737   | 0       | 0       | 0       | 0       | 205,737          |
| Total Funds          | 16,706,794    | 5,268,520      | 21,975,314   | 10,072,500 | 11,921,200 | 12,348,700 | 10,538,200 | 10,723,200 | 77,579,114 | 0       | 0       | 0       | 0       | 77,579,114       |

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:  
Annual Operating/Maintenance Cost:  
New Positions (FTE's):  

PROJECT MANAGER: Drew Moore
Project Description

This project replaces textbooks, materials of instruction and supplemental materials to provide the most current content, and to implement new instructional and assessment programs.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

Project Schedule: N/A

Project Status: N/A

EXPENDITURE SCHEDULE

<table>
<thead>
<tr>
<th>Cost Elements</th>
<th>Prior Appro.</th>
<th>FY 2012 Budget</th>
<th>Appro. Total</th>
<th>Five Year Capital Program</th>
<th>Master Plan</th>
<th>Total Project Cost</th>
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FUNDING SCHEDULE

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OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: 
Annual Operating/Maintenance Cost: 
New Positions (FTE's): 

PROJECT MANAGER: William Lawrence
## HAVRE DE GRACE HIGH SCHOOL FEASIBILITY STUDY

**Location:** Various  
**Priority:** ______ of ______

### Project Description / Justification:

The feasibility study will consist of evaluating the existing vehicular circulation patterns for the entire campus, the possible closing of Congress Avenue, parking, storm water management improvements and other site amenities. The study will recommend options for the modernization and/or replacement of the school, that would result in a more efficient use of program space as well as the school site improvements. The current two-facility campus consists of the main building and classroom addition and the gym annex and auditorium addition building. The facility has a total square footage of 144,815, with a state-rated capacity of 850. The study will evaluate the feasibility of designing a one building school facility with a capacity of at least 1,000 persons, to a maximum of 1,200 persons (depending on site constraints) to support the future enrollment projections.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

### Project Schedule:
To be determined after Architect / Engineer selection has been completed and approved by BOE in the Fall of 2011.

### Project Status:

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<tr>
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<th>Expended</th>
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### EXPENDITURE SCHEDULE

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<th>Cost Elements</th>
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<th>Appro. Total</th>
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### OPERATING BUDGET IMPACT:

- Estimated Annual Debt Service Cost:
- Annual Operating/Maintenance Cost:
- New Positions (FTE's):

**Project Manager:**
**PROJECT:** HAVRE DE GRACE HIGH SCHOOL FIELD FACILITIES

**TYPE OF PROJECT**

**LOCATION:** Various

**PRIORITY:** _______ of _______

**PROJECT NUMBER**

**NEW**

**Project Description / Justification:**

This project consists of site planning, architectural, engineering, surveying and construction services to provide fieldhouse with concession area, ticket booth, restrooms, storage areas, grandstand with a press box and public address system.

The FY2012 State reimbursement received for Deerfield Elementary School and Edgewood High School will be reallocated to fund this project.

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**Project Schedule:**

**Project Status:**

**EXPENDITURE SCHEDULE**

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**OPERATING BUDGET IMPACT:**

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

**PROJECT MANAGER:**
## HARFORD COUNTY PUBLIC SCHOOLS
### CAPITAL PROJECTS COMPLETED SINCE 1990

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<td>11. Fountain Green Elementary</td>
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<tr>
<td>15. Bel Air Middle – Addition</td>
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<tr>
<td>17. Darlington Elementary Renovation Phase II</td>
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<td>27. Wakefield Elementary – Media Center</td>
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<td>34. Abingdon Elementary – Pre-K Addition</td>
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<tr>
<td>35. Fallston High – Track Resurfacing</td>
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<td>38. Magnolia Elementary – Pre-K Addition</td>
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<td>42. Harford Glen – Site Work</td>
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<td>44. Joppatowne High – Track Resurfacing</td>
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<td>46. C. Milton Wright High – Grading</td>
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<td>47. Bel Air High – Track Resurfacing</td>
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<td>49. GDL @ Hillsdale Elementary – Media Center</td>
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<td>52. Hickory Elementary – Child Find</td>
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<td>55. Bel Air High – Science Renovations</td>
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<td>56. Havre de Grace High – Science Renovation</td>
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<tr>
<td>57. Bakerfield Elementary – Addition/Renovation</td>
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<tr>
<td>58. Prospect Mill Elementary – Pre-K Addition</td>
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<td>59. C. Milton Wright High – Science Renovations</td>
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<tr>
<td>60. Bel Air Elementary – Pre-K Addition</td>
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<td>63. Forest Hill Elementary</td>
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<td>64. Harford Glen – Dining Hall</td>
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<td>67. Abingdon Elementary – Addition</td>
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<td>68. C. Milton Wright High – Field House</td>
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<td>69. Church Creek Elementary - Addition</td>
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<td>70. Edgewood Elementary – Addition/Renovation</td>
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<td>71. Bel Air High – Technology Lab Renovation</td>
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<td>73. Aberdeen High – New</td>
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<td>76. Southampton Middle – Improvements</td>
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<td>77. C. Milton Wright High – Improvements</td>
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<td>78. Aberdeen High – Math &amp; Science Academy</td>
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<td>81. Fallston Middle Improvements</td>
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<td>82. Prospect Mill Elementary Health Suite</td>
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<td>83. Patterson Mill Middle High School</td>
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<td>2007</td>
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<td>84. Bel Air High School Replacement</td>
<td>2007-09</td>
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