

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. The Fiscal Year 2014 Capital Improvement Program Budget Request represents the funding request proposed to the County Government.

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 Proposed Capital Budget for Fiscal Year 2014 funds forty - three projects totaling \$62,122,259. The proposed funding request consists of State Revenue of \$20,635,390, Local Revenue of \$40,002,094 and Other Sources of \$1,484,775. It should be noted that the Aging Schools Program, funded by the State in the estimated amount of \$117,179, is 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 Capital Projects

	Actual FY 2010	Actual FY 2011	Actual FY 2012	Budget FY 2013	Budget FY 2014
Revenues :					
Local	\$64,798,532	\$30,433,302	\$12,068,710	\$400,000	\$40,002,094
State	\$17,377,596	\$14,750,023	\$15,605,906	\$14,511,610	\$20,635,390
Federal	\$0		\$0	\$0	\$0
Other Revenue	\$2,878,276	\$2,483,620	\$0	\$0	\$0
Other Sources	\$0		\$708,578	\$0	\$1,484,775
Total Receipts	\$85,054,404	\$47,666,945	\$28,383,194	\$14,911,610	\$62,122,259
Expenditures	(\$83,305,397)	(\$47,763,925)	(\$26,758,294)	(\$14,911,610)	(\$62,122,259)
Revenues over/ (under) Expenditures	\$1,749,007	(\$96,980)	\$1,624,900	\$0	\$0
Capital Projects Beginning Fund Balance	\$5,802,343	\$7,551,350	\$7,454,370	\$0	\$0
Capital Projects Ending Fund Balance	\$7,551,350	\$7,454,370	\$9,079,270	\$0	\$0

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, Middle and High School, 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:

HARFORD COUNTY PUBLIC SCHOOLS ESTIMATED OPERATING BUDGET IMPACT - FUTURE YEARS	
Equipment, Improvements, Maintenance and Other Projects:	
Playground Equipment	Will reduce future maintenance costs.
Replacement Buses	Will reduce maintenance costs as older buses are replaced.
Security Cameras	Will increase cost of surveillance company contracted services.
Technology Education Lab Refresh	Replacement of older equipment delayed which may increase maintenance costs.
Technology Infrastructure	Replacement of older equipment will reduce future maintenance costs.

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 2014

- Represents the planning process of the HCPS Capital Improvements Plan.

Capital Improvement Program – Fiscal Year 2014 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 43 projects.

Harford County Public Schools Completed Capital Projects

- Represents the Capital Projects completed since 1990.

BOARD OF EDUCATION OF HARFORD COUNTY
FISCAL YEAR 2014 - CAPITAL IMPROVEMENT PROGRAM
AMENDED BOARD OF EDUCATION CAPITAL REQUEST
JANUARY 28, 2013 (REVISION #5)

HCPS PRIORITY	STATE REQUEST	STATE APPROVED	LOCAL REQUEST	LOCAL APPROVED	OTHER SOURCES	TOTAL CAPITAL FUNDING
Magnolia Middle School (1)	1	\$2,649,000	\$0	\$2,251,000	\$0	\$4,900,000
North Harford Elementary School (1)	2	\$1,098,390	\$0	\$1,178,610	\$0	\$2,277,000
Youth's Benefit ES Replacement	3	LP*	\$0	\$1,000,000	\$0	\$1,000,000
Havre de Grace HS Replacement	4	LP*	\$0	\$3,700,000	\$0	\$3,700,000
Norrisville Elementary School (2)	5	\$1,736,000	\$0	\$1,728,784	\$0	\$3,464,784
George D. Lisby Elementary School (3)	6	\$434,000	\$0	\$272,041	\$0	\$706,041
Joppatowne High School (2)	7	\$6,273,000	\$0	\$7,410,556	\$0	\$13,683,556
Joppatowne High School Stadium ADA Improvmts	7(a)	\$0	\$0	\$300,000	\$0	\$300,000
Edgewood Middle School - Computer Laboratory	8	\$0	\$0	\$115,000	\$0	\$115,000
Fallston High School (2)	9	\$5,056,000	\$0	\$3,993,951	\$0	\$9,049,951
Energy Efficiency Initiative (4)	10-36	\$3,389,000	\$0	\$0	\$0	\$4,873,775
ADA Improvements and Survey	N/A	\$0	\$0	\$100,000	\$0	\$100,000
Athletic Fields Repair & Restoration	N/A	\$0	\$0	\$70,000	\$0	\$70,000
Backflow Prevention	N/A	\$0	\$0	\$100,000	\$0	\$100,000
Band Uniform Refresh	N/A	\$0	\$0	\$150,000	\$0	\$150,000
Bleacher Replacement (5)	N/A	\$0	\$0	\$100,000	\$0	\$100,000
Building Envelope Improvements (6)	N/A	\$0	\$0	\$200,000	\$0	\$200,000
Career & Tech. Ed. Equipment Refresh	N/A	\$0	\$0	\$150,000	\$0	\$150,000
Energy Conservation Measures	N/A	\$0	\$0	\$250,000	\$0	\$250,000
Environmental Compliance (7)	N/A	\$0	\$0	\$100,000	\$0	\$100,000
Equipment & Furniture Replacement	N/A	\$0	\$0	\$100,000	\$0	\$100,000
Fire Alarm & ER Communications (8)	N/A	\$0	\$0	\$200,000	\$0	\$200,000
Floor Covering Replacement (9)	N/A	\$0	\$0	\$100,000	\$0	\$100,000
Folding Partition Replacement (10)	N/A	\$0	\$0	\$100,000	\$0	\$100,000
Locker Replacement (11)	N/A	\$0	\$0	\$125,000	\$0	\$125,000
Major HVAC Repairs	N/A	\$0	\$0	\$1,205,000	\$0	\$1,205,000
Music Equipment Refresh	N/A	\$0	\$0	\$50,000	\$0	\$50,000
Music Technology Labs (12)	N/A	\$0	\$0	\$150,000	\$0	\$150,000
Outdoor Track Reconditioning (13)	N/A	\$0	\$0	\$25,000	\$0	\$25,000
Paving - New Parking Areas (14)	N/A	\$0	\$0	\$300,000	\$0	\$300,000
Paving - Overlay and Maintenance (15)	N/A	\$0	\$0	\$325,000	\$0	\$325,000
Playground Equipment	N/A	\$0	\$0	\$350,000	\$0	\$350,000
Relocatable Classrooms	N/A	\$0	\$0	\$260,000	\$0	\$260,000
Replacement Buses (16)	N/A	\$0	\$0	\$1,226,000	\$0	\$1,226,000
Replacement Vehicles (17)	N/A	\$0	\$0	\$945,000	\$0	\$945,000
Security Measures (18)	N/A	\$0	\$0	\$1,921,032	\$0	\$1,921,032
Septic Facility Code Upgrades (19)	N/A	\$0	\$0	\$500,000	\$0	\$500,000
Special Ed. Facility Improvements	N/A	\$0	\$0	\$100,000	\$0	\$100,000
Storm Water Management	N/A	\$0	\$0	\$150,000	\$0	\$150,000
Swimming Pool Renovations (20)	N/A	\$0	\$0	\$150,000	\$0	\$150,000
Technology Education Lab Refresh	N/A	\$0	\$0	\$350,000	\$0	\$350,000
Technology Infrastructure	N/A	\$0	\$0	\$7,900,120	\$0	\$7,900,120
Textbook/Supplemental Refresh	N/A	\$0	\$0	\$300,000	\$0	\$300,000
Total		\$20,635,390	\$0	\$40,002,094	\$0	\$1,484,775
						\$62,122,259

NOTES:

- 1 - HVAC Systemic Project (2nd half of funding request)
- 2 - Systemic & Limited Renovation Projects (1st half of funding request)
- 3 - George D. Lisby ES Roof Replacement Project
- 4 - Lighting renovation projects in (27) twenty-seven schools
- 5 - Funds designated for C. Milton Wright High School
- 6 - Funds designated for Aberdeen MS Exterior Doors & Hardware
- 7 - Homestead & Wakefield ES Underground Tank Removal
- 8 - Funds designated for North Bend Elementary School
- 9 - Funds designated for North Bend Elementary School
- 10 - Funds designated for Prospect Mill Elementary School (stage & cafeteria)

- 11 - Funds designated for C. Milton Wright High School
- 12 - Funds designated for C. Milton Wright & North Harford High Schools
- 13 - Funds designated for Aberdeen & North Harford High Schools
- 14 - Funds designated for Dublin ES additional parking lot
- 15 - Funds designated for Roye Williams Elementary School
- 16 - Nine (9) replacement (4 long and 5 special education)
- 17 - Based on 5 year Fleet Standards
- 18 - Funds will retrofit all remaining schools with security equipment
- 19 - Funds designated for HTHS phase 2 waste water treatment systems
- 20 - Replace equipment & infrastructure at North Harford Middle School

*LP = State Local Planning Approval

Revised 1/28/13

PROJECT:	MAGNOLIA MIDDLE SCHOOL COMPREHENSIVE HVAC SYSTEMIC PROJECT									
DISTRICT:	Joppa, MD									
LOCATION:	PRIORITY: 1 of 36									
Project Description / Justification:	<p>The age of the HVAC equipment and systems in this facility is 32 years old with the exception of the cooling tower and HVAC controller. There are numerous equipment inefficiencies, indoor air quality concerns and equipment noise issues that can be proactively addressed with a major comprehensive HVAC systemic project. The proposed project replacement/upgrade includes new boilers, chiller, related pumps and associated equipment and DDC controls in the central plant and the rest of the building. In addition to new energy recovery type air handling units and the replacement of classroom unit ventilators with a ducted air system with VAV units. Although the cooling tower was replaced 10 years ago, we are expanding cooling in the school to the gymnasium, locker rooms, multi-activity room, adjoining spaces and swimming pool for dehumidification, approximately 35,000 square feet. Therefore, it may be more cost effective to replace the unit rather than modify it. We have included the cost to replace the cooling tower with a larger unit. 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. This school is not designated as an emergency shelter, therefore a generator service connection is not included in the electrical service upgrade. This school was originally designed as an open classroom building with sprinkler coverage. Walls have been erected over the years to isolate the spaces without the required sprinkler modifications to provide adequate coverage. Modifications are required to the sprinkler system and the fire alarm to meet current codes. The electrical system is very old and parts are impossible to locate. This project will include electrical service upgrades to allow for better electrical data as well as better sub metering capabilities.</p>									
Project Schedule:	<p>Start design - October 2012; Complete design - March 2013; Bid contract - April 2013; Award contract - May 2013. Based on this tentative schedule the anticipated completion and occupancy is August 2014.</p>									

Financial Activity:
Date Total Expended Encumbered
\$ \$ \$

Master Plan FY 2020 FY 2021 FY 2022 FY 2023

Cost Elements	Prior Appro.	FY 2014 Budget	Apro. Total	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	Total Project Cost
Engineering/Design	700,000	700,000	700,000						700,000	700,000
Land Acquisition	0								0	0
Construction	4,200,000	4,900,000	9,100,000						9,100,000	9,100,000
Inspection Fees	0								0	0
Equip. / Furn.	0								0	0
Total Cost	4,900,000	4,900,000	9,800,000	0	0	0	0	0	9,800,000	9,800,000

FUNDING SCHEDULE

State	2,646,000	2,649,000	5,295,000						5,295,000	5,295,000
Local		2,251,000	2,251,000						2,251,000	2,251,000
Harford Cty P & R		0							0	0
Harford Cty BOE	1,288,700		1,288,700						1,288,700	1,288,700
State Reimburse	965,300		965,300						965,300	965,300
Total Funds	4,900,000	4,900,000	9,800,000	0	0	0	0	0	9,800,000	9,800,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Mohan Kohli

PROJECT: NORTH HARFORD ELEMENTARY SCHOOL COMPREHENSIVE HVAC SYSTEMIC PROJECT
DISTRICT: LOCATION: Pylesville, MD PRIORITY: 2 of 36

Project Description / Justification: This single story building originally constructed in 1984 consisted of 48,275 SF. In 1999, an addition that consisted of 1,428 square feet was added, which is not included in this project. The HVAC system is original to the building and is at the end of its anticipated life. The building is served primarily by unit ventilators in the classrooms and media center, the gymnasium and cafeteria are served by air handling units. The building experiences high humidity levels in the cooling season requiring the use of portable dehumidification units in most, if not all classrooms. Building pressurization problems exist since there is no functional interlock between the building exhaust system and the unit ventilators that are introducing outside air into the building. The school also has antiquated pneumatic temperature controls with limited control and require constant repair and maintenance.

It is recommended that a comprehensive HVAC systemic renovation be performed, consisting of a four-pipe HVAC system with VAVs or ducted fan coil system for the classrooms as well as new air handling units serving the bigger spaces such as the cafeteria, gymnasium and media center, with an energy recovery type dedicated outside air system for improved indoor air quality and humidity control. Building temperature controls should be upgraded with DDC type, alongside more efficient boilers and pumps in the mechanical room. The existing chiller is approximately 10 years old and will be reused as part of this project.

The project will need to be phased over two summers and part of the school year and will require 4 portable classrooms during that period.

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: Date	Expended \$	Encumbered \$	Total \$	Master Plan						Total Project Cost		
					FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2019	FY 2018	FY 2017	FY 2016
Cost Elements	Prior Appro. Budget	FY 2014 Appro. Budget	FY 2014 Appro. Total										
Engineering/Design	330,000	330,000	330,000						330,000				
Land Acquisition	0	0	0						0				
Construction	1,947,000	2,277,000	4,224,000						4,224,000				
Inspection Fees	0	0	0						0				
Equip. / Furn.	0	0	0						0				
Total Cost	2,277,000	2,277,000	4,554,000	0	0	0	0	0	4,554,000	0	0	0	0
													4,554,000

FUNDING SCHEDULE

State	1,226,610	1,098,390	2,325,000						2,325,000				2,325,000
Local		1,178,610	1,178,610						1,178,610				1,178,610
Other:		0	0						0				0
Harford Cty P & R		0	0						0				0
Harford Cty BOE		0	0						0				0
State Reimburse	1,050,390	1,050,390							1,050,390				1,050,390
Total Funds	2,277,000	2,277,000	4,554,000	0	0	0	0	0	4,554,000	0	0	0	4,554,000

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 REPLACEMENT**DISTRICT:**

Fallston, MD

PRIORITY:

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 the spring of 2007, after the BOE approved this 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 approved by the State and a determination on funding support was offered. The design for this project has already been started and reached a 60% design development stage prior to the project being placed on hold due to funding constraints. However, the project will have to be redesigned to accommodate the current building codes and the application for an on-site septic system must be submitted to MDE for a ground water discharge permit prior to receiving a grading permit. We will submit a request to the State for "Local Planning" approval in FY2014 and construction funding request in FY2014, FY2015, FY2016.

Project Schedule:

The balance of the design phase will be completed in FY2014 after approval of the capital budget and the construction phase will take place during FY2015 and FY2016.
Based on this tentative schedule the anticipated completion and occupancy for this project is August 2016.

Project Status:

N/A

Financial Activity:	Expended	Encumbered	Total
Date	\$	\$	\$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro.	Five Year Capital Program					Master Plan	Total Project Cost
				FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019		
Engineering/Design	1,700,600	1,000,000	2,700,600						2,700,600	2,700,600
Land Acquisition			0					0		0
Construction			0	16,490,452	22,504,437				38,994,889	38,994,889
Inspection Fees			0	1,620,000				1,620,000		1,620,000
Equip. / Furn.			0	1,500,000				1,500,000		1,500,000
Total Cost	1,700,600	1,000,000	2,700,600	18,110,452	24,004,437	0	0	0	44,815,489	44,815,489

FUNDING SCHEDULE

State		0	6,824,500	6,824,500				13,649,000		13,649,000
Local	1,700,600	1,000,000	2,700,600	11,285,952	17,179,937			31,166,489		31,166,489
Other:		0						0		0
Harford Cty P & R			0					0		0
Harford Cty BOE			0					0		0
Total Funds	1,700,600	1,000,000	2,700,600	18,110,452	24,004,437	0	0	44,815,489	0	44,815,489

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Mohan Kohli

PROJECT:	HAVRE DE GRACE HIGH SCHOOL REPLACEMENT			TYPE OF PROJECT	
DISTRICT:	LOCATION:	PRIORITY:	4	of 36	PROJECT NUMBER
Project Description / Justification:	<p>The Havre de Grace High School is two (2) buildings with a main administration facility built in 1955, renovated in 1984 with a classroom addition built in 1971 with two (2) floors and gymnasium / auditorium with a music corridor wing building built in 1958, 1976 and 1984. The buildings were built on individual parcels of land, which was obtained by the Board of Education over the course of many years. The expansion of the high school facility was built in stages over the course of years constrained by the urban environment, which created the separation by of Congress Ave. This facility has reached its maximum life with the latest renovation and addition sections approaching 30 years. We will be currently in the process of completing a scope study to understand the existing conditions, site constraints and proposed conceptual plans based on standard size educational program recommended by the scope study committee to accommodate the projected student enrollment for capacity purposes. We will submit a request to the State for "Local Planning" approval in FY2014 and construction funding request in FY2015. The proposed budget estimate is based on a modernization and addition project, where the State would participate in more funding in lieu of building a new replacement because the future enrollment cannot justify the proposed design capacity. If the scope study committee chooses a replacement conceptual design option, then the State participation will be substantially reduced.</p>				
Project Schedule:	<p>The design phase will take place during the FY2014 and construction phase in FY2015 & FY2016. Based on this tentative schedule the anticipated completion and occupancy of this project is August 2016.</p>				

Project Status:

EXPENDITURE SCHEDULE	Prior Appro.	FY 2014 Budget	Approved Total	Five Year Capital Program					Master Plan Sub-total	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019		
Cost Elements	250,000	3,700,000	3,950,000						3,950,000	3,950,000
Engineering/Design									0	0
Land Acquisition			0						64,990,000	64,990,000
Construction			0	32,817,000	32,173,000				3,856,000	3,856,000
Inspection Fees			0	3,856,000					4,500,000	4,500,000
Equip. / Furn.			0							
Total Cost	250,000	3,700,000	3,950,000	36,673,000	36,673,000	0	0	0	77,296,000	77,296,000

FUNDING SCHEDULE

State	0	10,049,000	10,049,000				20,098,000			20,098,000
Local	250,000	3,700,000	3,950,000	26,624,000	26,624,000			57,198,000		57,198,000
Other:			0					0		0
Harford Cty P & R			0					0		0
Harford Cty BOE			0					0		0
			0					0		0
Total Funds	250,000	3,700,000	3,950,000	36,673,000	36,673,000	0	0	77,296,000	0	77,296,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Harry Miller

PROJECT:	NORRISVILLE ELEMENTARY SCHOOL COMPREHENSIVE HVAC SYSTEMIC PROJECT								TYPE OF PROJECT
DISTRICT:	White Hall, MD								PROJECT NUMBER
									NEW
Project Description / Justification:	PRIORITY:	<u>5</u>	of	<u>36</u>					
This single story building, originally constructed in 1967, consisting of 25,950SF. An 11,467 SF addition/partial modernization was completed in 1996. During the 1996 project, some of the existing HVAC equipment and systems were left in place and are now well beyond their useful life. The building continues to experience high humidity levels in the cooling season, building pressurization problems, equipment noise in the classrooms due to the unit ventilators and has antiquated pneumatic temperature controls which can only be controlled locally and require constant repair and maintenance.									

It is recommended that a comprehensive HVAC systemic renovation be performed, consisting of a four-pipe HVAC system with VAVs or ducted fan coil system for the classrooms. In addition, an energy recovery dedicated outside air system for the classrooms as well as for the new air handling units serving the bigger spaces, such as the cafeteria and media center, will provide improved indoor air quality and humidity control. Building temperature controls should be upgraded with DDC type alongside more efficient boilers, chiller and pumps in the mechanical room, tower and HVAC controller.

Project Schedule:
Design - October 2013 to April 2014; Award contract - May 2014; Complete construction - August 2015.
Based on this tentative schedule the anticipated completion and occupancy is August 2015.

Project Status:	N/A	Financial Activity/ Date	Total	Financial Activity/ Date	Total	Financial Activity/ Date	Total	Financial Activity/ Date	Total
			Financial Activity/ Date	Expended	Encumbered				

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Approved Total	Five Year Capital Program				Master Plan			Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	Sub-total	FY 2020	FY 2021	FY 2023
Engineering/Design		268,600	268,600					268,600			268,600
Land Acquisition		0	0					0			0
Construction	3,195,890	3,195,890						3,195,890			3,195,890
Inspection Fees	0	0						0			0
Equip. / Furn.	0	0						0			0
Total Cost	0	3,464,490	3,464,490	0	0	0	0	3,464,490	0	0	3,464,490

FUNDING SCHEDULE

State	1,735,700	1,735,700				1,735,700				1,735,700	
Local	1,728,790	1,728,790				1,728,790				1,728,790	
Other:	0	0				0				0	
Harford Cty P & R	0	0				0				0	
Harford Cty BOE	0	0				0				0	
Total Funds	0	3,464,490	3,464,490	0	0	0	0	3,464,490	0	0	3,464,490

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Mohan Kohli

PROJECT: ROOF REPLACEMENT - GEORGE D. LISBY ELEMENTARY SCHOOL **TYPE OF PROJECT** NEW
DISTRICT: LOCATION: Aberdeen, MD 21001 **PRIORITY:** 6 **of** 36 **PROJECT NUMBER** NEW

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. George D. Lisby Elementary School is scheduled for a roof replacement in FY 2014. Projects are submitted for funding consideration through the State Systemic Renovation program. Future roof replacements are scheduled for consideration as follows:

FY2015 - Churchville Elementary School	FY2018 - Aberdeen Middle School	FY2021 - Havre de Grace Elementary
FY2016 - Joppatowne High School	FY2019 - North Harford High	FY2022 - Prospect Mill Elementary
FY2017 - North Harford Elementary School	FY2020 - Hickory Elementary	

Project Schedule: Design start - July 2013, Design complete - November 2013, Bid - February 2014, Award Contract - May 2014
Construction start - June 2014, Construction completion - August 2014

Project Status: N/A

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program				Master Plan				Total Project Cost	
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design	33,621	33,621	33,621	39,270	92,847	38,017	78,750	137,813	420,318	16,997	51,254	43,689	532,258
Land Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction	672,420	672,420	785,400	1,856,941	760,331	1,575,000	2,756,250	8,406,342	339,332	1,025,089	873,779	10,655,142	0
Inspection Fees	0	0	0	0	0	0	0	0	0	0	0	0	0
Equip. / Furn.	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cost	0	706,041	824,670	1,949,788	798,348	1,653,750	2,894,063	8,826,660	355,929	1,076,343	917,468	0	11,177,400

FUNDING SCHEDULE

State	434,000	434,000	494,802	1,169,872	479,009	992,250	1,736,438	5,306,371	214,157	645,806	550,481	6,716,815
Local	272,041	272,041	329,868	779,916	319,339	661,500	1,157,625	3,520,289	142,772	430,537	366,987	4,460,585
Other:	0	0	0	0	0	0	0	0	0	0	0	0
Hartford City P & R	0	0	0	0	0	0	0	0	0	0	0	0
Hartford City BOE	0	0	0	0	0	0	0	0	0	0	0	0
State Reimburse	0	0	0	0	0	0	0	0	0	0	0	0
Total Funds	0	706,041	824,670	1,949,788	798,348	1,653,750	2,894,063	8,826,660	355,929	1,076,343	917,468	0

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Chuck Grebe

JOPPATOWNE HIGH SCHOOL SYSTEMIC PROJECT

PROJECT: LOCATION: Fallston, MD

PRIORITY:

/ Justification: This project consists of a number of systemic projects, including but not limited to: concrete slab, brick veneer, roof replacement, window replacement, ADA door hardware replacement, exterior door replacement, metal pan ceiling replacement, VCT replacement, toilet partition replacement, student locker replacement, toilet room fixture replacement, HVAC systemic replacement, lighting replacement, stadium replacement and turf replacement. This project will be structured in a way to meet the State Public School Construction "Limited Renovation" category of funding, which must include five major systemic projects with one required to be an educational program upgrade. It was decided that the most appropriate programmatic need is the Homeland Security signature program. There were several conceptual design solution options developed in the Joppatowne High School scope study dated November 30, 2009. The most basic conceptual plan option "A" provides the most feasible solution in achieving the spatial program requirements. This was used as a baseline to develop this budget and for the purposes of requesting State funding for this entire project.

Project Schedule: Design - October 2013 to April 2014; Award contracts - May 2014; Complete construction & occupancy - August 2015.

Project Status: N/A

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Five Year Capital Program Sub-total	FY 2020	FY 2021	FY 2022	FY 2023	Master Plan	Total Project Cost
	Engineering/Design	1,561,800	1,561,800	0	0	0	0	0	1,561,800	0	0	0	0	1,561,800	
Land Acquisition			0						0					0	0
Construction	12,121,756	12,121,756	13,683,556						25,805,312					25,805,312	
Inspection Fees			0						0					0	0
Equip. / Furn.			0						0					0	0
Total Cost	0	13,683,556	13,683,556	13,683,556	0	0	0	0	27,367,112	0	0	0	0	27,367,112	

FUNDING SCHEDULE

State	6,273,000	6,273,000	6,273,000						12,546,000						12,546,000
Local	7,410,556	7,410,556	7,410,556						14,821,112						14,821,112
Other:	0	0	0						0					0	0
Harford Cty P & R									0					0	0
Harford Cty BOE									0					0	0
									0					0	0
Total Funds	0	13,683,556	13,683,556	13,683,556	0	0	0	0	27,367,112	0	0	0	0	0	27,367,112

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Mohan Kohli

PROJECT: JOPPATOWNE HIGH SCHOOL STADIUM ADA IMPROVEMENTS **PRIORITY:** 7(a) **of** 37 **TYPE OF PROJECT** NEW
DISTRICT: Fallston, MD **LOCATION:** Fallston, MD **PROJECT NUMBER** NEW
Project Description / Justification: This project consists of accessibility and condition improvements of the existing bleachers, the path from the new ticket booth to the home and away bleachers, the steps to the existing concessions structure, the bleachers themselves, and the fencing and circulation paths through and around the stands. The proposed improvements address accessibility issues and are required to meet ADA and/or building codes.

Project Schedule: Start design - October 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 2013.

Project Status: N/A

Financial Activity:	Expended	Encumbered	Total
Date	\$	\$	\$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Five Year Capital Program				Sub-total	Master Plan	Total Project Cost
			FY 2015	FY 2016	FY 2017	FY 2018			
Engineering/Design	32,000	32,000					32,000		32,000
Land Acquisition	0						0		0
Construction	268,000	268,000					268,000		268,000
Inspection Fees	0						0		0
Equip. / Furn.	0						0		0
Total Cost	0	300,000	300,000	0	0	0	300,000	0	300,000

FUNDING SCHEDULE

State	0						0		
Local	300,000	300,000					300,000		300,000
Other:	0						0		0
Harford Cty P & R	0						0		0
Harford Cty BOE	0						0		0
Total Funds	0	300,000	300,000	0	0	0	300,000	0	300,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Chuck Grebe

PROJECT: EDGEWOOD MIDDLE SCHOOL - COMPUTER LABORTORY
DISTRICT: Various
PRIORITY: 8
of 36
Project Description / Justification: This category provides funding for the addition of a computer laboratory at Edgewood Middle School to provide an appropriate environment to conduct the technology educational program.

Project Schedule: N/A

Project Status: N/A

TYPE OF PROJECT
PROJECT NUMBER
New

Financial Activity:
Date \$
\$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program				Sub-total	Master Plan	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2019			
Engineering/Design		0	0					0		0
Land Acquisition		0	0					0		0
Construction	115,000	115,000						115,000		115,000
Inspection Fees	0	0						0		0
Equip. / Furn.	0	0						0		0
Total Cost	0	115,000	115,000	0	0	0	0	115,000	0	0

FUNDING SCHEDULE

State	0							0		0
Local	115,000	115,000						115,000		115,000
Other:		0						0		0
Harford Cty P & R		0						0		0
Harford Cty BOE		0						0		0
Total Funds	0	115,000	115,000	0	0	0	0	115,000	0	0

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Chris Morton

PROJECT: **FALLSTON HIGH SCHOOL COMPREHENSIVE HVAC SYSTEMIC PROJECT**

DISTRICT: Fallston, MD **PRIORITY:** 9 **of** 36 **TYPE OF PROJECT** NEW

LOCATION: Fallston, MD **PROJECT NUMBER** NEW

Project Description / Justification: The HVAC equipment system at this facility is 35 years old, with the exception of the cooling tower and HVAC controller. There are numerous equipment inefficiencies, indoor air quality concerns and equipment noise issues that can be proactively addressed by performing a major comprehensive HVAC systemic project. This proposed project replacement/upgrade includes new boilers, chiller, cooling tower, related pumps and associated equipment and DDC controls in the central plant and the rest of the building. In addition to new energy recovery type air handling units and the replacement of classroom unit ventilators with ducted air system with VAV units. The project will need to be phased in over two summers and part of the school year and will require 4 portable classrooms during this period. This school is designated as an emergency shelter, therefore a generator service connection is included in the electrical service upgrade. This will result in sprinkler system, as well as fire alarm modifications, to meet current codes. The project will include electrical service upgrades to allow for better electrical data, as well as better sub metering capabilities.

Project Schedule: Design - October 2013 to April 2014; Award contract - May 2014; Complete construction & occupancy - August 2015.

Project Status: N/A

Financial Activity:
Date **Total** \$
Expended Encumbered
\$
\$

EXPENDITURE SCHEDULE

Cost Elements	Prior Apprro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2023
Engineering/Design		1,086,000	1,086,000						1,086,000			1,086,000
Land Acquisition		0	0						0			0
Construction	7,962,951	7,963,951	9,050,049						17,014,000			17,014,000
Inspection Fees		0	0						0			0
Equip. / Furn.		0	0						0			0
Total Cost	0	9,049,951	9,049,951	9,050,049	0	0	0	0	18,100,000	0	0	18,100,000

FUNDING SCHEDULE

State	5,056,000	5,056,000	5,056,000						10,112,000			10,112,000
Local	3,993,951	3,993,951	3,994,049						7,988,000			7,988,000
Other:		0							0			0
Harford Cty P & R		0							0			0
Harford Cty BOE		0							0			0
		0							0			0
Total Funds	0	9,049,951	9,049,951	9,050,049	0	0	0	0	18,100,000	0	0	18,100,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Mohan Kohli

PROJECT: ENERGY EFFICIENCY INITIATIVE PROJECTS **TYPE OF PROJECT**
DISTRICT: Various **PRIORITY:** 10 - 36 **of** 36 **PROJECT NUMBER** New

Project Description / Justification:

This project provides funding from the State FY13 Energy Efficiency Initiative disbursed through the Maryland Energy Administration for energy related projects that enhance energy efficiency based on the standards set forth by the IAC dated July 19, 2012. The standards are designated to supplement the normal State Capital Improvement School Construction funding stream. Therefore, all of the normal State CIP procedures apply to these project funding requests with the difference being that the State will support up 98% of the total project costs for energy enhancements such as lighting, HVAC, custom building specialty and solar panel installations after utility company rebates.

We have identified 27 lighting renovation projects, that already have been included in the Performance Contracting Service, where the improvements pay for themselves with the energy savings (utilizing an amortized loan for a duration of 15 years). The additional Energy Initiative funds will pay for at least 60% of the total cost of these projects. This reduces the total loan amount and allows us to add additional scope without increasing the loan obligation. There is no County funding commitment required because the projects are paid by the energy savings, which is guaranteed by the contractor.

The following projects are included in this funding request is C. Milton Wright High School, Fallston High School, Harford Technical High School, Joppatowne High School, Aberdeen Middle School, Bel Air Middle School, Edgewood Middle School, Fallston Middle School, Havre de Grace Middle School, North Harford Middle School, Southampton Middle School, Abingdon Elementary School, Bel Air Elementary School, Churchville Elementary School, Darlington Elementary School, Dublin Elementary School, Edgewood Elementary School, Fountain Green Elementary School, George D. Lisby Elementary, Magnolia Elementary School, Meadowvale Elementary School, North Bend Elementary School, Prospect Mill Elementary School, Ring Factory Elementary School, Riverside Elementary School, Roye-Williams Elementary School and William S. James Elementary School.

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

Financial Activity:	Expended	Encumbered	Total
Date	\$	\$	\$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program				Master Plan			Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2019	Sub-total	FY 2020	FY 2021	FY 2023
Engineering/Design			0					0			0
Land Acquisition			0					0			0
Construction	4,873,775	4,873,775	4,873,775					4,873,775			4,873,775
Inspection Fees	0		0					0			0
Equip. / Furn.	0		0					0			0
Total Cost	0	4,873,775	4,873,775	0	0	0	0	0	4,873,775	0	0

FUNDING SCHEDULE

State	3,389,000	3,389,000							3,389,000		3,389,000
Local		0						0			0
Other:		0						0			0
Harford City P & R		0						0			0
Harford City BOE	1,484,775	1,484,775						1,484,775			1,484,775
		0						0			0
Total Funds	0	4,873,775	4,873,775	0	0	0	0	4,873,775	0	0	4,873,775

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (TEs):

PROJECT MANAGER: Patti Jo Beard

PROJECT: **ADA IMPROVEMENTS**
 DISTRICT: LOCATION: Various
 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. The following projects are scheduled:

FY2014 - Aberdeen Middle - Restrooms and Fountains
 FY2015 - Riverside Elementary - Restrooms and Fountains
 FY2016 - Center for Educational Opportunity - Restrooms & Fountains

Project Schedule: N/A

Project Status: N/A

TYPE OF PROJECT
 PROJECT NUMBER B064143

Financial Activity: _____
 Date _____
 Total \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019			
Engineering/Design		0	0						0		0
Land Acquisition		0	0						0		0
Construction	500,000	100,000	600,000	100,000	100,000	100,000	100,000	100,000	1,100,000		1,100,000
Inspection Fees		0	0						0		0
Equip. / Furn.		0	0						0		0
Total Cost	500,000	100,000	600,000	100,000	100,000	100,000	100,000	100,000	1,100,000	0	0

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0	0	0
Local	250,000	100,000	350,000	100,000	100,000	100,000	100,000	100,000	850,000		850,000
Other:		0	0						0		0
Harford Cty P & R		0							0		0
Harford Cty BOE	200,000		200,000						200,000		200,000
State Reimburse	50,000		50,000						50,000		50,000
Total Funds	500,000	100,000	600,000	100,000	100,000	100,000	100,000	100,000	1,100,000	0	1,100,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
 Annual Operating/Maintenance Cost:
 New Positions (FTEs):

PROJECT MANAGER: Richard Hanzevack

PROJECT: ATHLETIC FIELDS REPAIR AND RESTORATION
DISTRICT: Various
Project Description / Justification: This project provides funds of \$50,000 to maintain athletic fields at ten (10) high schools. This includes the stadium and practice fields based on current need. In addition, this account also provides funds of \$20,000 to replace one (1) stadium field in its entirety with sod and provide sod repair patches as required at other stadium and practice fields. These funds are very important for routine maintenance, which has a five year life cycle.

The schedule for stadium field sod replacement is as follows:

FY2014 - Joppatowne High School
 FY2015 - Aberdeen High School
 FY2016 - Fallston High School
 FY2017 - Patterson Mill High School

Project Schedule: N/A

Project Status: N/A

TYPE OF PROJECT
 PROJECT NUMBER

B034113

of

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Five Year Capital Program					Master Plan Subtotal	Total Project Cost
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019		
Engineering/Design		0						0	0
Land Acquisition		0						0	0
Construction	417,000	70,000	487,000	70,000	70,000	70,000	70,000	837,000	837,000
Inspection Fees		0						0	0
Equip. / Furn.		0						0	0
Total Cost	417,000	70,000	487,000	70,000	70,000	70,000	70,000	837,000	837,000

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0
Local	207,000	70,000	277,000	70,000	70,000	70,000	70,000	627,000	627,000
Other:		0	0					0	0
Harford Cty P & R		0						0	0
Harford Cty BOE	140,000		140,000					140,000	140,000
State Reimburse	70,000		70,000					70,000	70,000
Total Funds	417,000	70,000	487,000	70,000	70,000	70,000	70,000	837,000	837,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Ken Zorbach

PROJECT: **BACKFLOW PREVENTION**

DISTRICT: LOCATION: Various PRIORITY: _____ of _____

Project Description / Justification: Design services to inventory all schools to determine the existing backflow prevention on water systems within the school. The FY14 funds will be used at Havre de Grace and George D. Lisby Elementary Schools - Domestic and Fire suppression system.

TYPE OF PROJECT
PROJECT NUMBER
B054111

The following schools are designated for backflow upgrades in future years as shown:

- FY2015 - Fallston HS, Fallston MS - Domestic & Fire suppression system.
- FY2016 - Roye Williams ES, William Paca ES/Old Post ES - Domestic water and chilled water system.
- FY2017 - Harford Tech, HS & North Harford ES - Domestic water and chilled water system.
- FY2018 - Churchville ES & Forest Hill ES - Domestic water system.
- FY2019 - Norrisville ES - Domestic Water System

Project Schedule: N/A

Project Status: N/A

Financial Activity:
Date

Financial Activity:	Expended	Encumbered	Total
Date	\$	\$	\$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019			
Engineering/Design			0						0		0
Land Acquisition			0						0		0
Construction	600,000	100,000	700,000	100,000	100,000	100,000	100,000	100,000	1,200,000		1,200,000
Inspection Fees			0						0		0
Equip. / Furn.			0						0		0
Total Cost	600,000	100,000	700,000	100,000	100,000	100,000	100,000	100,000	1,200,000	0	0

FUNDING SCHEDULE

State	0											0
Local	350,000	100,000	450,000	100,000	100,000	100,000	100,000	100,000	950,000			950,000
Other:			0						0			0
Harford Cty P & R			0						0			0
Harford Cty BOE	200,000		200,000						200,000			200,000
State Reburse	50,000		50,000						50,000			50,000
Total Funds	600,000	100,000	700,000	100,000	100,000	100,000	100,000	100,000	1,200,000	0	0	1,200,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Patti Jo Beard

PROJECT: **BAND UNIFORM REFRESH**

DISTRICT: Various

PRIORITY:

Project Description / Justification: Band uniforms have a life expectancy of about ten years under normal use conditions. Uniforms generally consist of a jacket, pants, hat and ornamental plume. Other accessories that may be purchased could include: gauntlets, capes, rain gear and/or other items of an ornamental nature. The cost of a basic uniform generally runs \$400 - \$450. A complete inventory consists of various sizes from very small to very large, and the number of uniforms should be about 20% greater than the number of students in the group for any given year to meet the varying size demands of the students.

In FY 14, CMWHS will have approximately 300+/- students and will require a minimum of 360 uniforms to meet the general needs of the program. The principal expects the program to exceed 350 students which would require around 420 uniforms. It is for these reasons that the standard allotment of \$60,000 is inadequate to maintain this program and we are requesting additional funds for this year in the rotation.

Future band uniform refresh projects are scheduled as follows:

FY 2015 – Havre de Grace High School,
FY 2016 – Joppatowne High School
FY 2017 – Aberdeen High School

Project Schedule: N/A

TYPE OF PROJECT

PROJECT NUMBER

NEW

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program				Master Plan				Total Project Cost	
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design	0	0	0						0				0
Land Acquisition	0	0	0						0				0
Construction	0	0	0						0				0
Inspection Fees	0	0	0						0				0
Equip. / Furn.	70,340	150,000	220,340	60,000	60,000	60,000	60,000	60,000	520,340	60,000	60,000	60,000	700,340
Total Cost	70,340	150,000	220,340	60,000	60,000	60,000	60,000	60,000	520,340	60,000	60,000	60,000	700,340

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0	0	0	0	
Local	150,000	150,000	60,000	60,000	60,000	60,000	60,000	450,000	60,000	60,000	60,000	630,000	
Other:	0	0	0	0	0	0	0	0	0	0	0	0	
Hartford City P & R	0	0	0	0	0	0	0	0	0	0	0	0	
Hartford City BOE	60,340	60,340	0	0	0	0	0	60,340	0	0	0	60,340	
State Reimburse	10,000	10,000	0	0	0	0	0	0	10,000	0	0	10,000	
Total Funds	70,340	150,000	220,340	60,000	60,000	60,000	60,000	60,000	520,340	60,000	60,000	60,000	700,340

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
Annual Operating/Maintenance Cost:
New Positions (FTEs):

PROJECT MANAGER: James E. Board

PROJECT: BLEACHER REPLACEMENT **DISTRICT:** LOCATION: Various **PRIORITY:** _____ of _____

Project Description / Justification: This project provides funding for the removal and replacement of interior bleachers.

Future bleacher replacement projects will be as follows:

FY 2014 - C. Milton Wright High School
FY 2015 - CEO building
FY 2016 - Fallston Middle School
FY 2017 - N/A
FY 2018 - N/A
FY 2019 - N/A

Project Schedule: N/A

Project Status: N/A

Financial Activity: Financial Activity: \$ _____
Date: _____

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Five Year Capital Program						Sub-total	Master Plan	Total Project Cost
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020			
Engineering/Design		0						0			0
Land Acquisition		0						0			0
Construction		0						0			0
Inspection Fees		0						0			0
Equip. / Furn.	500,000	100,000	600,000	100,000	100,000	0	0	800,000			800,000
Total Cost	500,000	100,000	600,000	100,000	100,000	0	0	800,000	0	0	800,000

FUNDING SCHEDULE

State	0							0				0
Local	100,000	100,000	100,000	100,000	0	0	0	300,000				300,000
Other:	0							0				0
Hartford City P & R	0							0				0
Hartford City BOE	500,000							500,000				500,000
State Reimburse	0							0				0
Total Funds	500,000	100,000	600,000	100,000	0	0	0	800,000	0	0	0	800,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

PROJECT: **BUILDING ENVELOPE IMPROVEMENTS** **LOCATION:** Various **PRIORITY:** _____ of _____

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. Fiscal year 2014 funds will be used for Aberdeen Middle School - Exterior Doors and Hardware.

Future building envelope improvements are scheduled as follows:

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
 FY 2018 - Riverside Elementary School - Exterior Doors & Hardware
 FY 2019 - Edgewood Middle School - Masonry Point Up & Fascia Coating Waterproofing

Project Schedule: N/A

Project Status: N/A

Financial Activity:
 Date \$
 Expended \$
 Encumbered \$
 Total \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Sub-total	FY 2020	FY 2021	Master Plan	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Engineering/Design			0						0				0
Land Acquisition			0						0				0
Construction	500,000	200,000	700,000	200,000	200,000	200,000	200,000	200,000	1,700,000				1,700,000
Inspection Fees			0						0				0
Equip. / Furn.			0						0				0
Total Cost	500,000	200,000	700,000	200,000	200,000	200,000	200,000	200,000	1,700,000	0	0	0	0
													1,700,000

FUNDING SCHEDULE

State	0												0
Local	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000				1,200,000
Other:	0								0				0
Harford Cty P & R	0								0				0
Harford Cty BOE	400,000		400,000						400,000				400,000
State Reimburse	100,000		100,000						100,000				100,000
Total Funds	500,000	200,000	700,000	200,000	200,000	200,000	200,000	200,000	1,700,000	0	0	0	0
													1,700,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

PROJECT: CAREER AND TECHNOLOGY EDUCATION EQUIPMENT REFRESH **TYPE OF PROJECT**

DISTRICT: Various **PRIORITY:** _____ of _____

Project Description / Justification:

This project provides funds to upgrade equipment in 32 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 imaging system, digital printing press, or skid tractor used in CTE programs at Harford Technical High School. As CTE programs, such as the Biomedical Sciences, Pre-Engineering and CISCO programs, are added or expanded at the eleven county high schools, more equipment will be needed to maintain industry standards and postsecondary articulation agreements.

Project Schedule: N/A **Financial Activity:** _____

Project Status: N/A **Date** _____

	Expended	Encumbered	Total
	\$0	\$0	\$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Master Plan	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019		
Engineering/Design			0						0	0
Land Acquisition			0						0	0
Construction			0						0	0
Inspection Fees			0						0	0
Equip. / Furn.	750,000	150,000	900,000	100,000	100,000	100,000	100,000	100,000	1,400,000	1,400,000
Total Cost	750,000	150,000	900,000	100,000	100,000	100,000	100,000	100,000	1,400,000	1,400,000

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0	0	0
Local	400,000	150,000	550,000	100,000	100,000	100,000	100,000	100,000	1,050,000	1,050,000	1,050,000
Other:			0						0		0
Harford Cty P & R			0						0		0
Harford Cty BOE	300,000		300,000						300,000		300,000
State Reimburse	50,000		50,000						50,000		50,000
Total Funds	750,000	150,000	900,000	100,000	100,000	100,000	100,000	100,000	1,400,000	0	0

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTEs):

PROJECT MANAGER: Susan Garrett

PROJECT: ENERGY CONSERVATION MEASURES
DISTRICT: LOCATION: Various PRIORITY: _____ of _____

Project Description / Justification: Energy conservation funds are used to replace, retrofit and install high efficiency equipment to support natural resource use within the school system. Types of expenditures included are occupancy sensors, energy efficient lighting, high efficiency HVAC equipment, and water reducing technology devices. Funds will be used in conjunction with the system-wide building evaluations and performance contract projects to support initiatives identified or associated with those audits.

Project Schedule: N/A

Project Status: N/A

TYPE OF PROJECT
PROJECT NUMBER

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Five Year Capital Program					Master Plan FY 2019	Master Plan FY 2020	Master Plan FY 2021	Master Plan FY 2022	Total Project Cost
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Engineering/Design		0										0
Land Acquisition		0										0
Construction	500,000	250,000	750,000	250,000	250,000	250,000	250,000	2,000,000				2,000,000
Inspection Fees		0										0
Equip. / Furn.		0										0
Total Cost	500,000	250,000	750,000	250,000	250,000	250,000	250,000	2,000,000	0	0	0	2,000,000

FUNDING SCHEDULE

State	0	250,000	250,000	250,000	250,000	1,500,000	0	0	0	0	0	0
Local		250,000										1,500,000
Other:		0										0
Harford Cty P & R		0										0
Harford Cty BOE	500,000		500,000									500,000
Total Funds	500,000	250,000	750,000	250,000	250,000	250,000	250,000	2,000,000	0	0	0	2,000,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Andrew Cassilly

PROJECT: ENVIRONMENTAL COMPLIANCE **LOCATION:** Various **PRIORITY:** _____ of _____

Project Description / Justification: 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.

The project description and budget request will be scheduled as follows:

FY2014 - Joppatowne High School Boiler Room & Halls Cross Road Crawl Space ACM Removal

FY2015 - Roye Williams Elementary - Underground Storage Tank Removal

FY2016 - George D. Lisby @ Hillsdale Tile and Youth's Benefit School Acoustic Plaster ACM Removal

FY2017 - John Archer School Underground Storage Tank Removal

FY2018 - North Harford Elementary School Underground Storage Tank Removal

FY2019 - Aberdeen Middle Underground Storage Tank Removal

Project Schedule: N/A

Project Status: N/A

Financial Activity: _____
Date _____ \$ _____

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Approved Total	Five Year Capital Program					Master Plan			Total Project Cost	
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design		0	0						0				0
Land Acquisition		0	0						0				0
Construction	2,941,263	100,000	3,041,263	100,000	100,000	100,000	100,000	100,000	3,541,263				3,541,263
Inspection Fees		0	0						0				0
Equip. / Furn.		0	0						0				0
Total Cost	2,941,263	100,000	3,041,263	100,000	100,000	100,000	100,000	100,000	3,541,263	0	0	0	3,541,263

FUNDING SCHEDULE

State	0								0				0
Local	2,541,263	100,000	2,641,263	100,000	100,000	100,000	100,000	100,000	3,141,263				3,141,263
Other:		0							0				0
Harford City P & R		0							0				0
Harford City BOE	300,000		300,000						300,000				300,000
State Reimburse	100,000		100,000						100,000				100,000
Total Funds	2,941,263	100,000	3,041,263	100,000	100,000	100,000	100,000	100,000	3,541,263	0	0	0	0

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Keith Jewell

PROJECT:	EQUIPMENT AND FURNITURE REPLACEMENT			TYPE OF PROJECT
DISTRICT:	LOCATION:	Various	PRIORITY:	PROJECT NUMBER
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.			B004113

Project Schedule: N/A

Project Status: N/A

EXPENDITURE SCHEDULE

Cost Elements	Prior	FY 2014	Appro	Five Year Capital Program					Master Plan	Total Project Cost		
				FY 2015	FY 2016	FY 2017	FY 2018	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design	0	0	0					0				0
Land Acquisition	0	0	0					0				0
Construction	1,655,000	100,000	1,755,000	100,000	100,000	100,000	100,000	2,255,000				2,255,000
Inspection Fees	0	0	0					0				0
Equip. / Furn.	0	0	0					0				0
Total Cost	1,655,000	100,000	1,755,000	100,000	100,000	100,000	100,000	2,255,000	0	0	0	2,255,000

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0	0	0
Local	1,355,000	100,000	1,455,000	100,000	100,000	100,000	100,000	1,955,000			
Other:	0	0	0	0	0	0	0	0			
Hartford Cty P & R	0	0	0	0	0	0	0	0			
Hartford Cty BOE	300,000	0	300,000	0	0	0	0	300,000			
Total Funds	1,655,000	100,000	1,755,000	100,000	100,000	100,000	100,000	2,255,000	0	0	0

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** PRIORITY: _____
DISTRICT: _____ LOCATION: Various
Project Description _____
of _____
TYPE OF PROJECT _____
PROJECT NUMBER _____
B004112

Funds are utilized for the repair or replacement of obsolete fire alarm and emergency communication systems.

The following projects are scheduled for future years:

FY2015 - C. Milton Wright High School	FY2019 - William Paca / Old Post Elementary School
FY2016 - Church Creek & Darlington Elementary Schools	FY2020 - George D. Lisby Elementary School
FY2017 - Bel Air Middle School, Fountain Green and Havre de Grace Elementary Schools	FY2021 - CEO Building & Fallston Middle School
FY2018 - Joppatowne High & Magnolia Middle Schools	

Project Schedule: N/A

Project Status: N/A

EXHIBIT T LIBRARY SCHEDULE III E

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program				Master Plan			Total Project Cost		
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design			0						0				0
Land Acquisition			0						0				0
Construction	1,125,000	200,000	1,325,000	250,000	225,000	225,000	300,000	75,000	2,400,000	75,000	250,000		2,725,000
Inspection Fees			0						0				0
Equip./ Furn.			0						0				0
Total Cost	1,125,000	200,000	1,325,000	250,000	225,000	225,000	300,000	75,000	2,400,000	75,000	250,000	0	2,725,000

FUNDING SCHEDULE

State Local	900,000	200,000	1,100,000	250,000	225,000	300,000	75,000	0	0	0	2,500,000
Other:			0					0		0	0
Hartford Cty P & R			0					0		0	0
Hartford Cty BOE	225,000		225,000					225,000			225,000
State Reimburse			0					0		0	0
Total Funds	1,125,000	200,000	1,325,000	250,000	225,000	300,000	75,000	2,400,000	75,000	250,000	0
									0	0	2,725,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operations/Maintenance Cost:

Annual Operating/Maint.

PROJECT MANAGER: Barry Pickelsimer

PROJECT: FLOOR COVERING REPLACEMENT
DISTRICT: LOCATION: Various

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 FY 2014 funds will be used for North Bend Elementary School.

The following projects are scheduled for future years:

- FY 2015 - Darlington Elementary School
- FY 2016 - Hall's Cross Roads Elementary School
- FY 2017 - Abingdon Elementary School
- FY 2018 - Fallston Middle School
- FY 2019 - Fountain Green Elementary School
- FY 2020 - Church Creek Elementary School

Project Schedule: N/A

Project Status: N/A

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Approved Total	Five Year Capital Program					Master Plan			Total Project Cost	
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design			0						0				0
Land Acquisition			0						0				0
Construction	100,000	100,000	200,000	100,000	100,000	100,000	100,000	100,000	700,000				700,000
Inspection Fees			0						0				0
Equip. / Furn.			0						0				0
Total Cost	100,000	100,000	200,000	100,000	100,000	100,000	100,000	100,000	700,000	0	0	0	700,000

FUNDING SCHEDULE

State		0							0				0
Local		100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000				600,000
Other:		0							0				0
Harford Cty P & R		0							0				0
Harford Cty BOE	100,000	100,000							100,000				100,000
		0							0				0
Total Funds	100,000	100,000	200,000	100,000	100,000	100,000	100,000	100,000	700,000	0	0	0	700,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

PROJECT: FOLDING PARTITION REPLACEMENT **PRIORITY:** _____ of _____

DISTRICT: LOCATION: Various **TYPE OF PROJECT**
New
PROJECT NUMBER

Project Description / Justification: This project provides funding for the replacement of folding room partitions in schools that have reached their life expectancy.
The FY 2014 funds will be used for Prospect Mill Elementary School (Stage & Cafeteria Room).

The following projects are scheduled for future years:

- FY 2015 - Southampton Middle School (Gym & Activity Room)
- FY 2016 - Joppatowne High School (Gym & Activity Room)
- FY 2017 - C. Milton Wright High School
- FY 2018 - CEO Building
- FY 2019 - Ring Factory Elementary School

Project Schedule: N/A

Project Status: N/A

Financial Activity:
Date Expended Encumbered Total
\$ \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019			
Engineering/Design			0						0		0
Land Acquisition			0						0		0
Construction	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000		600,000
Inspection Fees			0						0		0
Equip. / Furn.			0						0		0
Total Cost	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000	0	600,000

FUNDING SCHEDULE

State		0							0		0
Local		100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000		600,000
Other:		0							0		0
Harford Cty P & R		0							0		0
Harford Cty BOE		0							0		0
Total Funds	0	100,000	600,000	0	600,000						

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

PROJECT: **LOCKER REPLACEMENT** **LOCATION:** Various **PRIORITY:** _____ of _____

DISTRICT: _____

Project Description / Justification: This project provides funding for replacement of lockers of boys and girls locker rooms.

The following schools are scheduled in the associated budget years:

- FY 2014 - C. Milton Wright High School
- FY 2015 - Bel Air Middle School
- FY 2016 - Southampton Middle School
- FY 2017 - North Harford Middle School
- FY 2018 - Harford Technical High School
- FY 2019 - Havre de Grace High School

Project Schedule: N/A

Project Status: N/A

Financial Activity: _____
Date _____ \$ _____
Expended _____ Encumbered _____ Total _____ \$ _____
\$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Five Year Capital Program					Sub-total	Master Plan	Total Project Cost
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019			
Engineering/Design		0						0		0
Land Acquisition	0	0						0		0
Construction	430,000	125,000	555,000	125,000	125,000	125,000	125,000	1,180,000		1,180,000
Inspection Fees		0						0		0
Equip. / Furn.		0						0		0
Total Cost	430,000	125,000	555,000	125,000	125,000	125,000	125,000	1,180,000	0	0

FUNDING SCHEDULE

State		0						0		0
Local	125,000	125,000	125,000	125,000	125,000	125,000	125,000	750,000		750,000
Other:		0						0		0
Harford Cty P & R		0						0		0
Harford Cty BOE	430,000	430,000						430,000		430,000
Total Funds	430,000	125,000	555,000	125,000	125,000	125,000	125,000	1,180,000	0	1,180,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

PROJECT:	MAJOR HVAC REPAIRS
DISTRICT:	Project Description
	<i>i Justification:</i>
LOCATION:	This capital project provides All minor repairs are handled

The future year HVAC replacement projects are as follows:

FY2014 - Ring Factory ES Chiller, Cooling Tower, Control Replacement

FY2015 - Dublin ES Heat Pump Replacement; North Bend Elementary (1) Chiller Replacement

FY2016 - Darlington ES Unit DX Ventilator, Air Conditioning Controls and one (1) Boiler, Prospect Mill ES Roof top units and VAV Replacement

FY2017 - Homestead Elementary (1) Boilers, (2) Chillers Replacement (1) Cooling Tower; Youth's Benefit Intermediate (2) Boilers Replacement

FY2018 - Old Post Road (2) Boilers Replacement, Joppatowne HS Boiler (2) Replacement

FY2019 - Edgewood MS Chiller and Natatorium Unit Replacement

Project Schedule: N/A

Project Status: N/A

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost	
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design		105,000	105,000	260,000	300,000	100,000	70,000	80,000	915,000				915,000
Land Acquisition			0						0				0
Construction	8,721,226	1,100,000	9,821,226	2,800,000	3,400,000	1,100,000	800,000	850,000	18,771,226				18,771,226
Inspection Fees			0						0				0
Equip. / Furn.			0						0				0
Total Cost	8,721,226	1,205,000	9,926,226	3,060,000	3,700,000	1,200,000	870,000	930,000	19,686,226	0	0	0	19,686,226

FUNDING SCHEDULE

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

Now Documenta (ETE's)

PROJECT MANAGER: Barry Pickelsimer

PROJECT: MUSIC EQUIPMENT REFRESH PROGRAM
DISTRICT: LOCATION: Various PRIORITY: _____ of _____

Project Description / Justification: This program was established in 2003 and provides funds for the replacement of musical instruments throughout the school system. Musical instruments in the school setting have varying life expectancies which range from 6 years to 20 years depending on the type, amount of use and materials from which the instrument is constructed. These instruments represent those which parents are not expected to purchase due to the extreme cost or specialty use. Instruments such as basic trumpets, trombones, clarinets, alto saxophones and flutes as well as other basic instruments are not meant to be part of this program and are the parents' responsibility to secure from various sources in the area. In 2002, the Music Department established a Basic Essential Music Instrument Inventory which each school must have to perform a wide range of musical literature. This basic inventory is required regardless of the size of the program, but in some instances schools may require duplicate sets of some instruments to meet the needs of musical ensembles.

Project Schedule: N/A

Project Status: N/A

TYPE OF PROJECT
PROJECT NUMBER
B054112

Financial Activity: _____
Date: _____
\$ _____ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019			
Engineering/Design		0	0						0		0
Land Acquisition		0	0						0		0
Construction		0	0						0		0
Inspection Fees		0	0						0		0
Equip. / Furn.	575,000	50,000	625,000	50,000	50,000	50,000	50,000	50,000	875,000		875,000
Total Cost	575,000	50,000	625,000	50,000	50,000	50,000	50,000	50,000	875,000	0	0

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0	0	0	0
Local	375,000	50,000	425,000	50,000	50,000	50,000	50,000	50,000	675,000			675,000
Other:			0						0			0
Harford Cty P & R			0						0			0
Harford Cty BOE	150,000		150,000						150,000			150,000
State Reimburse	50,000		50,000						50,000			50,000
Total Funds	575,000	50,000	625,000	50,000	50,000	50,000	50,000	50,000	875,000	0	0	875,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: James E. Boord

PROJECT:**MUSIC TECHNOLOGY LABS PROGRAM****LOCATION:** Various**PRIORITY:****of _____****TYPE OF PROJECT****PROJECT NUMBER**

Project Description / Justification: The Music Technology Labs Program was established by the Board of Education in 2010 to support 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 the use of electronic devices, computer components, data storage, industry standard software and musical instruments to facilitate composition, recording, playback, storage and performance. Competences include digital audio production, songwriting with musical 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. These labs are also used for teaching AP Music Theory and Piano Lab.

Future year budget requests will be to install new music technology labs as well to refresh hardware and software as follows:

FY 2014 - New Labs at C. Milton Wright & refresh at North Harford High Schools	FY 2018 - Fallston & Havre de Grace High Schools will be refreshed
FY 2015 - New Labs at Harford Technical & refresh at Patterson Mill High School	FY 2019 - Aberdeen & C. Milton Wright High Schools will be refreshed
FY 2016 - New Labs at Joppatowne & refresh at Bel Air High Schools	FY 2020 - Harford Technical and North Harford High Schools will be refreshed
FY 2017 - Edgewood High School will be refreshed	FY 2021 - Joppatowne High School will be refreshed

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

Cost Elements	Prior Appro.	FY 2014 Budget	Appro Total	Five Year Capital Program				Sub-total	Master Plan	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018			
Engineering/Design		0	0					0		0
Land Acquisition		0	0					0		0
Construction		0	0					0		0
Inspection Fees		0	0					0		0
Equip. / Furn.	195,000	150,000	345,000	139,000	139,000	28,000	56,000	763,000	56,000	847,000
Total Cost	195,000	150,000	345,000	139,000	139,000	28,000	56,000	763,000	56,000	847,000

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0	0
Local	150,000	150,000	139,000	139,000	28,000	56,000	56,000	568,000	56,000	28,000
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	195,000	195,000	0	0	0	0	0	195,000	0	195,000
Total Funds	195,000	150,000	345,000	139,000	139,000	28,000	56,000	763,000	56,000	847,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: James E. Board

PROJECT: **OUTDOOR TRACK RECONDITIONING**
DISTRICT: LOCATION: Various
Project Description / Justification: This project maintains existing high school tracks to replace specific surface areas to provide a seamless safe surface for the use by students and the public. The funds will provide minor repair for the running tracks consisting of power washing, repair patching and new layout track lines. The FY 2014 funds will be used at Aberdeen and North Harford High Schools.

The following schools are scheduled in future years:

FY2015 – Fallston & Havre de Grace High Schools

FY2016 – Bel Air & Harford Technical High Schools

FY2017 – C. Milton Wright & Edgewood High Schools

Project Schedule: N/A

Project Status: N/A

TYPE OF PROJECT
PROJECT NUMBER

PRIORITY: _____
of _____
Financial Activity:
Date \$ _____
Expended \$ _____
Encumbered \$ _____
Total \$ 0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost	
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design			0						0				0
Land Acquisition			0						0				0
Construction	200,000	25,000	225,000	25,000	25,000	25,000	25,000	25,000	350,000				350,000
Inspection Fees			0						0				0
Equip. / Furn.			0						0				0
Total Cost	200,000	25,000	225,000	25,000	25,000	25,000	25,000	25,000	350,000	0	0	0	350,000

FUNDING SCHEDULE

State		0										
Local		25,000	25,000	25,000	25,000	25,000	25,000	25,000	150,000			
Other:		0							0			
Harford Cty P & R		0							0			
Harford Cty BOE	175,000		175,000						175,000			
State Reimburse	25,000	25,000							25,000			
Total Funds	200,000	25,000	225,000	25,000	25,000	25,000	25,000	25,000	350,000	0	0	0
										0	0	0

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Ken Zorbach

PROJECT: PAVING - NEW PARKING AREAS
DISTRICT: LOCATION: Various PRIORITY: _____
Project Description / Justification: Installation of new parking areas and associated storm water management.
 Locations will be determined following a system wide needs assessment.
 The funds for FY2014 will be designated for additional parking lot and associated storm water management for parent and bus drop off area at Dublin Elementary School.

Project Schedule: N/A
 Project Status: N/A
 Financial Activity: _____
 Date _____
 Expended _____
 Encumbered _____
 Total _____
 \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost	
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design		0	0						0				0
Land Acquisition		0	0						0				0
Construction	300,000	300,000	600,000						600,000				600,000
Inspection Fees		0	0						0				0
Equip. / Furn.		0	0						0				0
Total Cost	300,000	300,000	600,000	0	0	0	0	0	600,000	0	0	0	600,000

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0	0	0	0	0
Local	200,000	300,000	500,000						500,000				500,000
Other:			0						0				0
Hartford City P & R			0						0				0
Hartford City BOE	100,000		100,000						100,000				100,000
			0						0				0
Total Funds	300,000	300,000	600,000	0	0	0	0	0	600,000	0	0	0	600,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

PROJECT: PLAYGROUND EQUIPMENT **TYPE OF PROJECT**
DISTRICT: LOCATION: Various **PROJECT NUMBER** B074124
PRIORITY: _____ of _____

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 the following years:

FY2014 - Prospect Mill ES, Forest Lakes ES, Havre de Grace ES (Pre-K) & William S. James ES
 FY2015 - Roye Williams ES (grades 3-5), Dublin ES, Bakersfield ES and Hickory ES
 FY2016 - Meadowvale ES (playground and parking lot)
 FY2017 - Abingdon ES, Darlington ES, Bakerfield ES
 FY2018 - To Be Determined
 FY2019 - To Be Determined

Project Schedule: N/A

Project Status: N/A

Financial Activity:
 Date **Total**
 \$ \$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019			
Engineering/Design		0	0						0		0
Land Acquisition		0	0						0		0
Construction		0	0						0		0
Inspection Fees		0	0						0		0
Equip. / Furn.	3,732,956	350,000	4,082,956	350,000	350,000	350,000	350,000	350,000	3,832,956	5,832,956	5,832,956
Total Cost	3,732,956	350,000	4,082,956	350,000	350,000	350,000	350,000	350,000	3,832,956	0	0

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0	0	0
Local	2,532,956	350,000	2,882,956	350,000	350,000	350,000	350,000	350,000	4,632,956		4,632,956
Other:		0							0		0
Harford Cty P & R		0							0		0
Harford Cty BOE	1,050,000		1,050,000						1,050,000		1,050,000
State Reimburse	150,000		150,000						150,000		150,000
Total Funds	3,732,956	350,000	4,082,956	350,000	350,000	350,000	350,000	350,000	5,832,956	0	0

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Ginny Popolek

PROJECT: **RELOCATABLE CLASSROOMS** TYPE OF PROJECT
 DISTRICT: LOCATION: Various PROJECT NUMBER

Project Description / Justification: The funds for this account are used to provide capacity and program space for schools that show a significant need due to variations caused by enrollment as well as other special educational programs introduced to the school. Harford County Public Schools will conduct audits annually to review enrollments, school capacities and individual school needs as outlined by Board of Education Policy. We will also use these funds to move or add relocatable classrooms to support construction at a specific school by offering classroom space as needed while construction has disturbed permanent classroom space.

Project Schedule: **N/A**

Project Status: **N/A**

	Financial Activity:	Expendited	Encumbered	Total
	Date	\$	\$	\$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Sub-total	FY 2020	FY 2021	FY 2022	FY 2023	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	11,284,637	260,000	11,544,637	300,000	200,000	100,000	100,000	100,000	12,344,637					12,344,637
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	11,284,637	260,000	11,544,637	300,000	200,000	100,000	100,000	100,000	12,344,637	0	0	0	0	12,344,637

FUNDING SCHEDULE

State	565,956	565,956	565,956	565,956	565,956	565,956	565,956	565,956	565,956	565,956	565,956	565,956	565,956	565,956
Local	8,342,785	260,000	8,602,785	300,000	200,000	100,000	100,000	100,000	9,402,785					9,402,785
Other:		0							0					0
Harford Cty P & R		0							0					0
Harford Cty BOE	2,375,896		2,375,896						2,375,896					2,375,896
Total Funds	11,284,637	260,000	11,544,637	300,000	200,000	100,000	100,000	100,000	12,344,637	0	0	0	0	12,344,637

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Chris Morton

PROJECT: **REPLACEMENT BUSES** **LOCATION:** Various **PRIORITY:** _____ of _____

B024118

Project Description / Justification:

Replacement buses are needed to service the students, programs and schools. These buses will comply with Federal regulations and will meet the IEP requirements of special needs transportation. The State Department of Education requires that school systems replace buses after 12 years of use.

The replacement bus quantity, type and budget amount are scheduled as follows:

FY2014 - 9 Replacement (4 long and 5 special ed.)
FY2015 - 9 Replacement (special ed.), 3 new special ed. buses
FY2016 - 14 replacement buses (14 special ed.), 3 new special ed. buses
FY2017 - 13 replacement buses (11 special ed. and 2 transits), 3 new special ed. buses
FY2018 - 16 replacement buses (13 special ed. and 3 long), 3 new special ed. buses
FY2019 - 10 Replacement buses

			Financial Activity:					Master Plan			Total Project Cost		
			Date					Financial Activity:			\$0		
			Financial Activity:					Expended			Encumbered		
Project Schedule:	N/A												
Project Status:	N/A												

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Engineering/Design		0	0						0				0
Land Acquisition		0	0						0				0
Construction		0	0						0				0
Inspection Fees		0	0						0				0
Equip. / Furn.	8,832,994	1,226,000	10,058,994	1,374,000	2,033,000	2,100,000	2,557,000	2,000,000	20,122,994				20,122,994
Total Cost	8,832,994	1,226,000	10,058,994	1,374,000	2,033,000	2,100,000	2,557,000	2,000,000	20,122,994	0	0	0	0
													20,122,994

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0	0	0	0	0
Local	6,250,994	1,226,000	7,476,994	1,374,000	2,033,000	2,100,000	2,557,000	2,000,000	17,540,994				17,540,994
Other:		0	0	0	0	0	0	0	0				0
Harford Cty P & R		0	0	0	0	0	0	0	0				0
Harford Cty BOE	2,294,000	2,294,000	2,294,000						2,294,000				2,294,000
State Reimburse	288,000	288,000	288,000						288,000				288,000
Total Funds	8,832,994	1,226,000	10,058,994	1,374,000	2,033,000	2,100,000	2,557,000	2,000,000	20,122,994	0	0	0	20,122,994

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Charlie Taibi

PROJECT: **REPLACEMENT VEHICLES**
DISTRICT: **LOCATION:** Various
Project Description / Justification: 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.

Project Schedule: N/A

Project Status: N/A

Financial Activity: _____
Date _____ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro.					Five Year Capital Program					Master Plan				Total Project Cost
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023					
Engineering/Design		0										0					0
Land Acquisition		0										0					0
Construction		0										0					0
Inspection Fees		0										0					0
Equip. / Furn.	5,584,396	945,000	6,529,396	945,000	945,000	945,000	945,000	945,000	945,000	945,000	945,000	11,254,396	0	0	0	0	11,254,396
Total Cost	5,584,396	945,000	6,529,396	945,000	945,000	945,000	945,000	945,000	945,000	945,000	945,000	11,254,396	0	0	0	0	11,254,396

FUNDING SCHEDULE

State																	
Local	2,000,758	945,000	2,945,758	945,000	945,000	945,000	945,000	945,000	945,000	945,000	945,000	7,670,758					7,670,758
Other:		0										0					0
Harford City P & R		0										0					0
Harford City BOE	3,583,638	3,583,638										3,583,638					3,583,638
		0										0					0
Total Funds	5,584,396	945,000	6,529,396	945,000	945,000	945,000	945,000	945,000	945,000	945,000	945,000	11,254,396	0	0	0	0	11,254,396

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Tom Rufenacht

PROJECT: **SECURITY MEASURES** **PRIORITY:** _____
DISTRICT: Various **of** _____
Project Description / Justification: Funding for the installation of security cameras (in 18 schools), remote access control (in 9 schools) and proxy readers (in 30 schools) for the monitoring of interior and exterior areas.

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

Financial Activity: _____
Date _____
Total \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Approved Total	Five Year Capital Program					Master Plan			Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	Sub-total	FY 2020	FY 2021	FY 2022	
Engineering/Design	0		0					0				0
Land Acquisition	0		0					0				0
Construction	0		0					0				0
Inspection Fees	0							0				0
Equip. / Furn.	1,921,032	1,921,032	265,000	275,000	285,000	290,000	295,000	3,331,032				3,331,032
Total Cost	0	1,921,032	1,921,032	265,000	275,000	285,000	290,000	3,331,032	0	0	0	3,331,032

FUNDING SCHEDULE

State	0							0				0
Local	1,921,032	1,921,032	265,000	275,000	285,000	290,000	295,000	3,331,032				3,331,032
Other:	0							0				0
Harford Cty P & R	0							0				0
Harford Cty BOE	0							0				0
State Reimburse	0							0				0
Total Funds	0	1,921,032	1,921,032	265,000	275,000	285,000	290,000	295,000	3,331,032	0	0	0

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
Annual Operating/Maintenance Cost:
New Positions (FTEs):

PROJECT MANAGER: Bob Benedetto

PROJECT: SEPTIC FACILITY CODE UPDATES
DISTRICT: Various
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 as well as the repair or upgrade to failing systems currently operating.

FY2014 - Funds will be used for the phase two wastewater treatment plant at Harford Technical High School to include the waste water treatment systems from Prospect Mill Elementary and John Archer Schools.

FY2015 to FY2019 - Funds will be used to upgrade the septic systems at the following schools such as Youth's Benefit, North Harford, Norrisville, Jarrettsville, North Bend, Dublin, Churchville, Darlington and Forest Hill Elementary Schools.

Project Schedule: N/A

Project Status: N/A

TYPE OF PROJECT
 LOCATION: _____ of _____
PROJECT NUMBER B064128

Financial Activity:
 Date \$ _____ \$ _____ \$0 _____

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Five Year Capital Program					Sub-total	Master Plan	Total Project Cost
			FY 2015	FY 2016	FY 2017	FY 2018	FY 2019			
Engineering/Design		0						0		0
Land Acquisition		0						0		0
Construction	4,910,592	500,000	5,410,592	500,000	500,000	500,000	500,000	7,910,592		7,910,592
Inspection Fees		0						0		0
Equip. / Furn.		0						0		0
Total Cost	4,910,592	500,000	5,410,592	500,000	500,000	500,000	500,000	7,910,592	0	0

FUNDING SCHEDULE

State	0									
Local	500,000	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000		3,000,000
Other:	0							0		0
Harford Cty P & R	0							0		0
Harford Cty BOE	4,425,413	0	4,425,413					4,425,413		4,425,413
State Reimburse	485,179		485,179					485,179		485,179
Total Funds	4,910,592	500,000	5,410,592	500,000	500,000	500,000	500,000	7,910,592	0	0

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Keith Jewell

PROJECT: SPECIAL EDUCATION FACILITIES IMPROVEMENTS

INTRODUCTION

FRIKI: EDUCATION. Various

Justification: This committed nominal sum is also

TYPE OF PROJECT

卷之三

PROJECT NUMBER

State capital, dominant funds also

This capital project funds the necessary renovation and update of Local code mandates are unknown at this time, but can

- Restraint and seclusion updates as mandated by IDEA.

Autism Spectrum Disorder (ASD) programs reflect elements.

Moving of centers and programs as required.

- Securing space for a post- secondary program in the Joplin area

Capital plans/funding are based on the implementation of IDEA and the compliance of laws and mandates associated with supporting students with disabilities in HCPS.

Project schedule: N/A

EXpenditure Schedule

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program				Master Plan			Total Project Cost		
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design			0						0				0
Land Acquisition			0						0				0
Construction	200,000	100,000	300,000	100,000	100,000	100,000	100,000	100,000	800,000				800,000
Inspection Fees			0						0				0
Equip. / FURN.			0						0				0
Total Cost	200,000	100,000	300,000	100,000	100,000	100,000	100,000	100,000	800,000	0	0	0	800,000

FUNDING SCHEDULE

State		0							0
Local	100,000	100,000	100,000	100,000	100,000	100,000	600,000		600,000
Other:	0						0		0
Harford Cty P & R	0						0		0
Harford City BOE	100,000		100,000				100,000		100,000
State Reimburse	100,000		100,000				100,000		100,000
Total Funds	200,000	100,000	300,000	100,000	100,000	100,000	800,000	0	800,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Convention/Meetings Committee

Anhui Operating/Mainte

202 INTRODUCTION

PROJECT: **STORM WATER MANAGEMENT, EROSION, SEDIMENT CONTROL**

DISTRICT: LOCATION: Various PRIORITY: _____

Project Description / Justification: This capital item funds the restoration of grounds and storm water management facilities including erosion control, aeration, fertilization, and control of invasive species. These funds will used to comply with Federal, State and Local laws pertaining to storm water management and ground water discharge.

The project description and budget request will be scheduled as follows:

- FY2014 - Hickory Annex - Install covered structures to prevent oil and grease to run into the local storm water system
- FY2015 - Hickory Elementary School Entrance way storm drain pipe
- FY2016 - Aberdeen High School Slumping Dam
- FY2017 - North Harford Middle School - Storm Water Swale Repair
- FY2018 - Emmorton Elementary School- Storm Water Management Upgrades
- FY2019 - Fountain Green Elementary School - Storm Water Management Upgrades

Project Schedule: N/A

Project Status: N/A

Financial Activity:	Expended	Encumbered	Total
Date	\$	\$	\$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	
Engineering/Design		0	0						0			0
Land Acquisition		0	0						0			0
Construction	775,000	150,000	925,000	100,000	150,000	100,000	100,000	100,000	1,475,000			1,475,000
Inspection Fees		0	0						0			0
Equip. / Furn.		0	0						0			0
Total Cost	775,000	150,000	925,000	100,000	150,000	100,000	100,000	100,000	1,475,000	0	0	0

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0	0	0	0
Local	200,000	150,000	350,000	100,000	150,000	100,000	100,000	100,000	900,000			900,000
Other:			0						0			0
Harford City P & R		0							0			0
Harford City BOE	175,000		175,000						175,000			175,000
State Reimburse	400,000		400,000						400,000			400,000
Total Funds	775,000	150,000	925,000	100,000	150,000	100,000	100,000	100,000	1,475,000	0	0	1,475,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
Annual Operating/Maintenance Cost:
New Positions (FTEs):

PROJECT MANAGER: Keith Jewell

PROJECT: SWIMMING POOL RENOVATIONS **TYPE OF PROJECT**
DISTRICT: LOCATION: Various **PRIORITY:** _____ of _____
Project Description / Justification:

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.

Future projects for consideration:

FY2014 - Replace key equipment and infrastructure at North Harford Middle School

FY2015 - Replace key equipment and infrastructure at Magnolia Middle School

FY2016 - Replace dehumidification units at Edgewood Middle School

FY2017 - Replace infrastructure at Edgewood, Magnolia and North Harford Middle Schools

Project Schedule: N/A

Project Status: N/A

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program					Sub-total	FY 2020	FY 2021	FY 2022	FY 2023	Master Plan	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019							
Engineering/Design			0						0						0
Land Acquisition			0						0						0
Construction	300,000	150,000	450,000	150,000	130,000	100,000	130,000	50,000	1,010,000						1,010,000
Inspection Fees			0						0						0
Equip. / Furn.			0						0						0
Total Cost	300,000	150,000	450,000	150,000	130,000	100,000	130,000	50,000	1,010,000	0	0	0	0	0	1,010,000

FUNDING SCHEDULE

State		0													
Local		150,000	150,000	150,000	100,000	130,000	50,000	710,000	0						710,000
Other:		0							0						0
Harford Cty P & R		0							0						0
Harford Cty BOE	300,000		300,000						300,000						300,000
Total Funds	300,000	150,000	450,000	150,000	130,000	100,000	130,000	50,000	1,010,000	0	0	0	0	0	1,010,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Richard Hanzevack

PROJECT:**TECHNOLOGY EDUCATION LAB REFRESH****LOCATION:**

Various

PRIORITY:

of _____

TYPE OF PROJECT

PROJECT NUMBER

B994-124

Project Description / Justification:

This project provides funds to update middle and high school Technology Education (old Industrial Arts shops) classrooms with current computer equipment and technology to reflect program changes defined by MSDE. The “Foundations of Technology” (FOT) course is required for all students in Harford County Public Schools as part of the state's graduation requirement. This project also funds the purchase of furniture, computers, and engineering software for the Project Lead the Way Pre-Engineering Program to be phased in at all middle schools and selected high schools. The implementation of these programs is an essential component of the K-12 STEM Education Strategic Plan for Harford County Public Schools.

1. Purchase classroom sets (24-30 computers) of middle and high school Technology/Engineering laptop computers and two mobile laptop carts (current price is \$50,673 per classroom set).
2. Refresh middle and high school Technology/Engineering laptop computers on a four-five year cycle and printers, scanners, and LCD projectors as needed.
3. Purchase the required equipment, instructional materials, and engineering computer software for Project Lead the Way courses.
4. Replace secondary Technology/Engineering furniture, tools, and equipment, as needed.

Project Schedule:

N/A

Project Status:

N/A

		Financial Activity:				Master Plan			Total Project Cost	
		Date	Expended	Encumbered	Total	\$	\$	\$	\$	\$

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program				Sub-total	FY 2020	FY 2021	FY 2022	FY 2023	Total Project Cost
				FY 2015	FY 2016	FY 2017	FY 2018						
Engineering/Design		0	0					0					0
Land Acquisition		0	0					0					0
Construction	1,375,000	350,000	1,725,000	250,000	250,000	250,000	250,000	2,975,000					2,975,000
Inspection Fees		0	0					0					0
Equip. / Furn.		0	0					0					0
Total Cost	1,375,000	350,000	1,725,000	250,000	250,000	250,000	250,000	2,975,000	0	0	0	0	2,975,000

FUNDING SCHEDULE

State	0	0	0	0	0	0	0	0	0	0	0	0	0
Local	425,000	350,000	775,000	250,000	250,000	250,000	250,000	2,025,000					2,025,000
Other:			0					0					0
Harford Cty P & R			0					0					0
Harford Cty BOE	800,000		800,000					800,000					800,000
State Reimburse	150,000		150,000					150,000					150,000
Total Funds	1,375,000	350,000	1,725,000	250,000	250,000	250,000	250,000	2,975,000	0	0	0	0	2,975,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: LaVerne Pitts

PROJECT: TECHNOLOGY INFRASTRUCTURE
DISTRICT: LOCATION: Various

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TYPE OF PROJECT
PROJECT NUMBER
D00000000

PRIMER

Project Description / Justification

This project will serve our students, families, and community now and into the future. 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/gymnasium 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.

Project Schedule: N/A

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EXPENDITURE SCHEDULES

Cost Elements	Prior Appro.	FY 2014 Budget	Appro. Total	Five Year Capital Program				Master Plan			Total Project Cost		
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design			0						0				0
Land Acquisition			0						0				0
Construction			0						0				0
Inspection Fees			0						0				0
Equip. / Furn.	25,674,667	7,900,120	33,574,787	12,348,700	11,098,200	11,238,200	10,758,500	11,000,000	90,018,387				90,018,387
Total Cost	25,674,667	7,900,120	33,574,787	12,348,700	11,098,200	11,238,200	10,758,500	11,000,000	90,018,387	0	0	0	90,018,387

FUNDING SCHEDULE

OPERATING BUDGET IMPACT:

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

PROJECT MANAGEMENT: Draw Maps

TEXTBOOK/ SUPPLEMENTAL MATERIALS REFRESH
PROJECT: LOCATION: Various
DISTRICT: PRIORITY:

TYPE OF PROJECT _____
PROJECT NUMBER B064129
of _____

Project Description / Justification:

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

Project Schedule: N/A

Project Status: N/A

EXPERIMENTAL SCHEDULE

Cost Elements	Prior Appr.	FY 2014 Budget	Appro. Total	Five Year Capital Program				Master Plan			Total Project Cost		
				FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Sub-total	FY 2020	FY 2021	FY 2022	FY 2023
Engineering/Design			0						0				0
Land Acquisition			0						0				0
Construction			0						0				0
Inspection Fees			0						0				0
Equip. / Furn.	4,681,644	300,000	4,981,644	300,000	300,000	300,000	300,000	300,000	300,000	6,481,644			6,481,644
Total Cost	4,681,644	300,000	4,981,644	300,000	300,000	300,000	300,000	300,000	300,000	6,481,644	0	0	0

FUNDING SCHEDULE

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:
Annual Operating/Maintenance Cost:
New Positions (FTEs):

PROJECT MANAGER: William | awareness

HARFORD COUNTY PUBLIC SCHOOLS
CAPITAL PROJECTS COMPLETED SINCE 1990

PROJECT NAME	YEAR STARTED	YEAR COMPLETED
1. Prospect Mill Elementary - Addition	1990	1990
2. Ring Factory Elementary – Original	1990	1990
3. Edgewood Middle – Elevator	1990	1991
4. Aberdeen High – North Science Renovations	1991	1992
5. North Bend Elementary – Original	1991	1991
6. Aberdeen High – North Elevator Addition	1992	1992
7. Abingdon Elementary – Original	1992	1992
8. Meadowvale Elementary – Media Center	1992	1992
9. Fallston Middle	1993	1993
10. Halls Cross Roads Elementary – Phase I	1993	1993
11. Fountain Green Elementary	1993	1993
12. Churchville Elementary – Elevator	1993	1993
13. Emmorton Elementary – Original	1994	1994
14. Church Creek Elementary – Original	1994	1994
15. Bel Air Middle – Addition	1994	1994
16. Havre de Grace Elementary – Add/Renovation	1995	1995
17. Darlington Elementary Renovation Phase II	1995	1995
18. Roye-Williams Elementary – Modernization	1995	1995
19. Joppatowne Elementary – Pre-K Addition	1995	1996
20. North Harford Middle – Elevator	1995	1995
21. Youth's Benefit Elementary – Media Center	1995	1995
22. Edgewood High – Science Renovations	1996	1996
23. Harford Technical High – Science Renovations	1996	1996
24. Joppatowne High - Science Renovations	1996	1996
25. C. Milton Wright High – Addition	1996	1996
26. Norrisville Elementary – Addition	1996	1996
27. Wakefield Elementary – Media Center	1996	1996
28. Riverside Elementary – Pre-K Addition	1996	1996
29. Halls Cross Roads Elementary – Phase II	1996-97	1997
30. Hickory Elementary – Renovation/Addition	1996-97	1998
31. Fallston High – Science Renovations	1997	1997
32. Deerfield Elementary – Pre-K Addition	1997	1997
33. Bakersfield Elementary – Play lot	1997	1997
34. Abingdon Elementary – Pre-K Addition	1997	1997
35. Fallston High – Track Resurfacing	1997	1997
36. William Paca Elementary – Media Center	1997	1998
37. Roye-Williams Elementary –Parking lot	1997	1997
38. Magnolia Elementary – Pre-K Addition	1997	1997
39. North Harford High – Restroom Renovation	1997	1997
40. Forest Lakes Elementary	1997	1997
41. Harford Glen- Dorms/Multi-Purpose/Pavilion	1997	1998
42. Harford Glen -Site Work	1997	1997
43. Jarrettsville Elementary- Elevator	1997	1997
44. Joppatowne High- Track Resurfacing	1997	1997
45. Aberdeen High - Track Resurfacing	1997	1997

**HARFORD COUNTY PUBLIC SCHOOLS
CAPITAL PROJECTS COMPLETED SINCE 1990**

PROJECT NAME	YEAR STARTED	YEAR COMPLETED
46. C. Milton Wright High – Grading	1997	1997
47. Bel Air High – Track Resurfacing	1997	1997
48. Homestead Elementary – Media Center	1998	1998
49. GDL @ Hillsdale Elementary – Media Center	1998	1998
50. Churchville Elementary – Addition/Renovations	1998	1998
51. Bel Air High – Science Renovations	1998	1998
52. Hickory Elementary – Child Find	1998	1999
53. Harford Technical High – Addition	1998-99	2000
54. North Harford High – Science Renovation	1999	1999
55. Bel Air High – Science Renovations	1999	1999
56. Havre de Grace High – Science Renovation	1999	1999
57. Bakerfield Elementary – Addition/Renovation	1999	1999
58. Prospect Mill Elementary – Pre-K Addition	1999	1999
59. C. Milton Wright High – Science Renovations	1999	1999
60. Bel Air Elementary – Pre-K Addition	1999	2000
61. Darlington Elementary – Mechanical Building	1999	1998
62. North Harford Elementary – Pre-K Addition	1999	1999
63. Forest Hill Elementary	2000	2000
64. Harford Glen – Dining Hall	2000	2000
65. Riverside Elementary – Parking lot	2000	2000
66. Meadowvale Elementary – Modernization	2000-01	2002
67. Abingdon Elementary – Addition	2001	2002
68. C. Milton Wright High – Field House	2001	2001
69. Church Creek Elementary - Addition	2001	2002
70. Edgewood Elementary –Addition/Renovation	2001	2003
71. Bel Air High – Technology Lab Renovation	2001	2002
72. Joppatowne Elementary – Parking Lot	2001	2001
73. Aberdeen High – New	2001-04	2004
74. Havre de Grace High – Track Complex	2002	2004
75. Havre de Grace High – Technology Labs	2002	2002
76. Southampton Middle – Improvements	2003	2003
77. C. Milton Wright High – Improvements	2003	2004
78. Aberdeen High – Math & Science Academy	2004	2004
79. Edgewood Middle – HVAC	2004-05	2006
80. North Harford High - Modernization	2004-07	2007
81. Fallston Middle Improvements	2005	2006
82. Prospect Mill Elementary Health Suite	2005	2005
83. Patterson Mill Middle High School	2005-07	2007
84. Aberdeen High – Addition	2007	2008
85. Prospect Mill Elementary Renovation	2007	2008
86. Joppatowne Elementary Modernization	2007-09	2009
87. Bel Air High School Replacement	2007-09	2009
88. Deerfield Elementary School Replacement	2009-10	2010
89. Edgewood High School Replacement	2009-10	2010
90. Red Pump Elementary School	2010-11	2011