

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, which is 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 Harford County Board of Education lacks taxing authority and remains revenue dependent upon Harford County Government and the State of Maryland to fund the Capital Budget. State funds are approved based on the recommendations of the Interagency Committee on School Construction (IAC).

The Capital Improvement Plan is managed by the Facilities Management Department Division 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 2012	Actual FY 2013	Actual FY 2014	Actual FY 2015	Budget FY 2016
Revenues :					
State	\$15,605,906	\$13,892,937	\$10,420,053	\$15,125,970	\$9,418,000
Local	\$12,068,710	\$11,980,732	\$8,378,854	\$16,683,422	\$18,715,000
Federal	\$0	\$0			\$0
Other Revenue	\$0	\$9,284,713	\$6,315,220	\$485,240	\$0
Other Sources	\$708,578	\$452	\$502	\$40	\$0
Total Receipts	\$28,383,194	\$35,158,834	\$25,114,629	\$32,294,672	\$28,133,000
Expenditures	(\$26,758,294)	(\$37,191,795)	(\$29,217,876)	(\$33,669,871)	(\$28,133,000)
Revenues over/ (under) Expenditures	\$1,624,900	(\$2,032,961)	(\$4,103,247)	(\$1,375,199)	\$0
Other financing sources: Transfers		\$628,451	\$206,500		
Capital Projects Beginning Fund Balance	\$7,454,370	\$9,079,270	\$7,674,760	\$3,778,013	\$0
Capital Projects Ending Fund Balance	\$9,079,270	\$7,674,760	\$3,778,013	\$2,402,814	\$0

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 used in the acquisition, construction, or improvements of 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. However, some capital expenditure designations have been determined by the way the Harford County Government decides to fund the expenditure (i.e. Textbook/Supplemental Refresh). These expenditures are funded in the capital budget instead of the unrestricted operating budget.

Capital Budget

Capital Improvement Impact on the Operating Budget

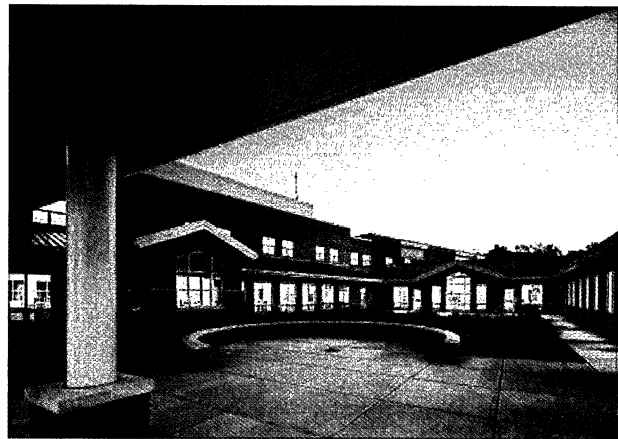
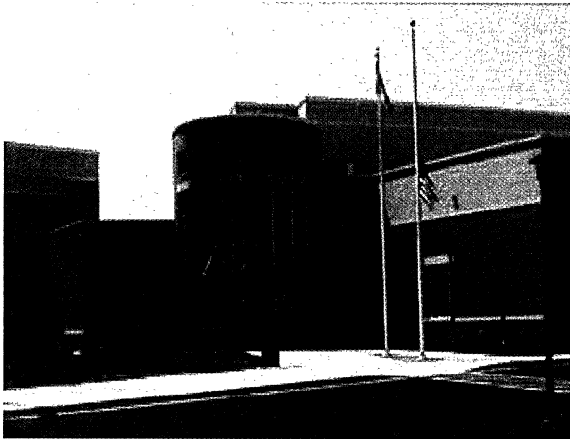
When the School Construction Fund pays for a new building or the expansion of a school, there is an impact on the Operating Budget. Staffing needs are determined by the executive directors of elementary, middle and high school, while the building maintenance needs are determined by the Executive Director of Facilities and the Assistant Superintendent of Operations.

As the Capital Improvement Plan 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

BOARD OF EDUCATION OF HARFORD COUNTY CAPITAL IMPROVEMENT PROCESS

DEVELOPMENT OF THE FY 2016 CAPITAL IMPROVEMENT PROGRAM

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

THE CAPITAL IMPROVEMENT SCHEDULE

October 2013 to April 2014.....	Superintendent's Technical Advisory Committee
January to May 2014	CIP Priorities List Developed
June 2014	Facilities Master Plan Approved
July 2014	First Reading of CIP to Board of Education
September 2014	Board of Education Adoption of CIP Priorities
September 2014	Presentation to Planning Advisory Board
October 2014.....	Presentation to Harford County Government
October 2014	Submission to Interagency Committee (IAC)
January 2015	Submission to Harford County Government
May 2015	Approved by Board of Public Works
June 2015.....	Approved by Harford County Council
July 2015	Funds Available

Additional Information provided in the Capital Budget section:

Capital Improvement Program – Fiscal Year 2016

- Details the current fiscal year capital projects for HCPS as approved by the State of Maryland and Harford County Government.

Individual Capital Project worksheets

- Details of each project presented for funding in the current fiscal year and the approved funding received from funding sources.

Harford County Public Schools Completed Capital Projects

- List of the capital projects completed since 1990.

**HARFORD COUNTY PUBLIC SCHOOLS
FISCAL YEAR 2016 - CAPITAL IMPROVEMENT PROGRAM
BOARD OF EDUCATION APPROVED CAPITAL BUDGET**

June 1, 2015

	HCPS PRIORITY	STATE PRIORITY	STATE APPROVED	LOCAL APPROVED	TOTAL CAPITAL FUNDING APPROVED
Youth's Benefit ES Replacement	1-1	1	\$3,998,000	\$13,141,000	\$17,139,000
Havre de Grace MS/HS Replacement (1)	1-2	2	\$0	\$0	\$0
Joppatowne High School (2)	1-3	3	\$0	\$0	\$0
Churchville Elementary School (3)	1-4	4	\$495,000	\$330,000	\$825,000
Center for Educational Opportunity - AC Project	1-5	5	\$2,425,000	\$2,200,000	\$4,625,000
Prospect Mill Elementary School (4)	1-6	6	\$2,391,000	\$2,294,000	\$4,685,000
Open Space Renovations (5)	1-7	N/A	\$0	\$0	\$0
North Harford Middle School (6)	1-8	N/A	\$0	\$500,000	\$500,000
Technology Refresh	2	N/A	\$0	\$0	\$0
Career & Tech Education Equipment Refresh	2	N/A	\$0	\$0	\$0
Music Technology Labs	2	N/A	\$0	\$0	\$0
Special Ed Facility Improvements	2	N/A	\$0	\$0	\$0
Technology Education Lab Refresh	2	N/A	\$0	\$250,000	\$250,000
Textbook/Supplemental Refresh	2	N/A	\$0	\$0	\$0
Fire Alarm & ER Communications	3	N/A	\$0	\$0	\$0
Security Measures	3	N/A	\$0	\$0	\$0
ADA Improvements	4	N/A	\$0	\$0	\$0
Environmental Compliance	4	N/A	\$0	\$0	\$0
Major HVAC Repairs	4	N/A	\$0	\$0	\$0
Septic Facility Code Upgrades	4	N/A	\$0	\$0	\$0
Stormwater Mgt, Erosion, Sediment Control	4	N/A	\$0	\$0	\$0
Paving - Overlay and Maintenance	5	N/A	\$0	\$0	\$0
Athletic Fields Repair & Restoration	5	N/A	\$0	\$0	\$0
Backflow Prevention	5	N/A	\$0	\$0	\$0
Band Uniform Refresh	5	N/A	\$0	\$0	\$0
Bleacher Replacement	5	N/A	\$0	\$0	\$0
Building Envelope Improvements	5	N/A	\$0	\$0	\$0
Energy Conservation Measures	5	N/A	\$0	\$0	\$0
Equipment & Furniture Replacement	5	N/A	\$0	\$0	\$0
Floor Covering Replacement	5	N/A	\$0	\$0	\$0
Folding Partition Replacement	5	N/A	\$0	\$0	\$0
Locker Replacement	5	N/A	\$0	\$0	\$0
Music Equipment Refresh	5	N/A	\$0	\$0	\$0
Outdoor Track Reconditioning	5	N/A	\$0	\$0	\$0
Paving - New Parking Areas	5	N/A	\$0	\$0	\$0
Playground Equipment (7)	5	N/A	\$109,000	\$0	\$109,000
Relocatable Classrooms	5	N/A	\$0	\$0	\$0
Replacement Buses	5	N/A	\$0	\$0	\$0
Replacement Vehicles	5	N/A	\$0	\$0	\$0
Swimming Pool Renovations	5	N/A	\$0	\$0	\$0
Total			\$9,418,000	\$18,715,000	\$28,133,000

- 1 - Partial Funding Request - Not granted
- 2 - Limited Renovation Project
- 3 - Roof Replacement Project
- 4 - HVAC Systemic Renovation Project
- 5 - Funds designated for BAES, OPES, WSES
- 6 - Domestic Water Improvements - Year 2; \$500,000 received in FY15
- 7 - Funds for Church Creek ES
- "LP" - State Local Planning Approval

Priority Bands:

- 1. Major Construction Projects
- 2. Academic Mission Critical
- 3. Life Safety and Security
- 4. Facility Mission Critical
- 5. Cost of Doing Business

Revised 6/1/15

PROJECT: **YOUTH BENEFIT ELEMENTARY SCHOOL REPLACEMENT** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Fallston, MD REQUEST NO: 1 of 40 PROJECT NUMBER B074127

Project Description / Justification: This facility is a two school campus, with the original buildings constructed in 1953 and 1973, respectively. A scope study was completed in the spring of 2007, after the BOE approved this project in FY 2007. The study determined that based upon instructional needs and priorities, site logistics, age of infrastructure and other factors 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.

Priority Band/Priority 1-1 Major Construction

Project Schedule: Construction contracts have been awarded. Permitting is in process.
 Based on the current schedule the anticipated completion and occupancy for this project is August 2017.

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		
Engineering/Design	3,510,600		3,510,600						3,510,600					3,510,600
Land Acquisition			0						0					0
Construction	24,288,266	17,139,000	41,427,266						41,427,266					41,427,266
Inspection Fees	1,620,000	0	1,620,000						1,620,000					1,620,000
Equip. / Furn.			0	1,168,888					1,168,888					1,168,888
Total Cost	29,418,866	17,139,000	46,557,866	1,168,888	0	0	0	0	47,726,754	0	0	0	0	47,726,754

FUNDING SCHEDULE

State	6,252,000	3,998,000	10,250,000						10,250,000					10,250,000
Local	20,255,600	13,141,000	33,396,600	1,168,888					34,565,488					34,565,488
Other			0						0					0
Parks & Rec	600,000		600,000						600,000					600,000
FY14 Capital Transfer	2,311,266		2,311,266						2,311,266					2,311,266
Total Funds	29,418,866	17,139,000	46,557,866	1,168,888	0	0	0	0	47,726,754	0	0	0	0	47,726,754

Revised 11.17.14

0

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Chuck Grebe

PROJECT: HAVRE DE GRACE MIDDLE/HIGH REPLACEMENT SCHOOL **TYPE OF PROJECT**
DISTRICT: Havre de Grace, MD **REQUEST NO:** 2 **of** 40 **PROJECT NUMBER**

Project Description / Justification: The Havre de Grace High School consists of two (2) buildings with a main administration and classroom facility built in 1955. The building was renovated in 1984 and had additions built in 1958, 1971, 1976 and 1984. Constrained by the urban setting, the second building, part of the 1971 addition, was built across Congress Street and includes the auditorium, gymnasiums, and music wing. Havre de Grace Middle School was built in 1967 and has had no major renovations or modernizations. A scope study was performed to evaluate options, and on 9/23/13, the Board of Education approved a recommendation to build a new building combining the middle and high school population in a single school. The Board of Public Works approved Local Planning for this project in the FY2015 CIP under the Sustainable Communities Program. Educational Specifications and Schematic Design for the new building were approved by the BOE on August 4th and 18th (2014) respectively, for a new building of approximately 240,000 square feet and a combined state rated capacity of 1542.

Priority Band 1-2 **Major Construction**
Project Schedule:

Project Status: Local Planning

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro. 3,950,000	FY 2016 Budget 0	Appro. Total 3,950,000	Five Year Capital Program					Sub-total 4,950,000	Master Plan			Total Project Cost 4,950,000					
				FY 2017 1,000,000	FY 2018 37,901,000	FY 2019 5,133,000	FY 2020 0	FY 2021 0		FY 2022 0	FY 2023 0	FY 2024 0		FY 2025 0				
Engineering/Design			0															
Land Acquisition			0															
Construction			0	34,000,000	37,901,000	5,133,000												
Inspection Fees			0															
Equip. / Furrn.			0				4,817,000											
Total Cost	3,950,000	0	3,950,000	35,000,000	37,901,000	9,950,000	0	0	0	86,801,000	0	0	0	0	0	0	0	86,801,000

FUNDING SCHEDULE

State																			15,064,000
Local	3,950,000	0	3,950,000	26,322,000	31,515,000	9,950,000													71,737,000
Other			0																0
Harford Cty P & R			0																0
Harford Cty BOE			0																0
Total Funds	3,950,000	0	3,950,000	35,000,000	37,901,000	9,950,000	0	0	0	86,801,000	0	0	0	0	0	0	0	0	86,801,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Harry Miller

PROJECT: **JOPPATOWNE HIGH SCHOOL LIMITED RENOVATION PROJECT** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Fallston, MD REQUEST NO: 3 of 40 PROJECT NUMBER

Project Description / 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 and stadium upgrades. 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" provided the most feasible solution in achieving the spatial program requirements. This option was used as a baseline to develop the budget for the purposes of requesting State funding under the "Limited Renovation" category.

Priority Band/Priority 1-3 Major Construction
 Project Schedule: Will be developed upon local planning approval and availability of design funding.

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro. 1,000,000	FY 2016 Budget	Appro. Total 1,000,000	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		
Engineering/Design	1,000,000		1,000,000	1,551,244					2,551,244					2,551,244
Land Acquisition			0						0					0
Construction			0	13,683,556	11,132,200				24,815,756					24,815,756
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	1,000,000	0	1,000,000	15,234,800	11,132,200	0	0	0	27,367,000	0	0	0	0	27,367,000

FUNDING SCHEDULE

State	1,000,000		1,000,000	6,273,000	5,273,000				12,546,000					12,546,000
Local			0	8,961,800	5,859,200				14,821,000					14,821,000
Other			0						0					0
			0						0					0
			0						0					0
Total Funds	1,000,000	0	1,000,000	15,234,800	11,132,200	0	0	0	27,367,000	0	0	0	0	27,367,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Chuck Grebe

PROJECT: **ROOF REPLACEMENT - CHURCHVILLE ELEMENTARY SCHOOL** TYPE OF PROJECT
DISTRICT: Churchville, MD 21028 REQUEST NO: 4 of 40 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. Churchville Elementary School is scheduled for a roof replacement in FY 2016. Projects are submitted for funding consideration through the State Capital Improvement Plan request. Future roof replacements are scheduled as follows:

Joppatowne High School - FY 2017 Aberdeen Middle School - FY 2018 Hickory Elementary - FY 2020
 North Harford Elementary School - FY 2017 North Harford High - FY 2019 Havre de Grace Elementary - FY 2021
 Prospect Mill Elementary - FY 2022

Priority Band/Priority 1-4 Major Construction

Project Schedule: Design: July - November 2015, Bid: February 2016 Award Contract: May 2016, Construction Start - June 2015, Construction Completion - August 2015

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024	
Engineering/Design		39,000	39,000	92,847	38,017	78,750	137,813	16,997	403,424	51,254	43,689		498,367
Land Acquisition			0						0				0
Construction		786,000	786,000	1,856,941	760,331	1,575,000	2,756,250	339,932	8,074,454	1,025,089	873,779		9,973,322
Inspection Fees			0						0				0
Equip. / Furn.			0						0				0
Total Cost	0	825,000	825,000	1,949,788	798,348	1,653,750	2,894,063	356,929	8,477,878	1,076,343	917,468	0	10,471,689

FUNDING SCHEDULE

State		495,000	495,000	1,169,872	479,009	992,250	1,736,438	214,157	5,086,726	645,806	550,481		6,283,013
Local		330,000	330,000	779,916	319,339	661,500	1,157,625	142,772	3,391,152	430,537	366,987		4,188,676
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	825,000	825,000	1,949,788	798,348	1,653,750	2,894,063	356,929	8,477,878	1,076,343	917,468	0	10,471,689

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Chuck Grebe

PROJECT: **CENTER FOR EDUCATIONAL OPPORTUNITY** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Aberdeen, MD REQUEST NO: 5 of 40 PROJECT NUMBER NEW

Project Description / Justification: The Center of Educational Opportunity was originally built as Aberdeen Junior High School in 1965 and consists of a single story building plus partial basement of approximately 107,000 SF. Currently, there is no air conditioning in the great majority of the classrooms. There are some window air conditioning units that have been installed in three classrooms and the media center, which do not meet the current indoor air quality requirements. It is recommended that the replacement equipment be electrically cooled roof top units with modulating capacity compressors, and energy recovery features designed to meet current energy codes. The units will be ducted to new VAV boxes in the academic spaces with hot water reheat coils. The existing hot water piping serving the existing heat only unit ventilators will be connected to the reheat coils to meet the heating needs of the spaces. New DDC controls should be installed as part of the project. When completed, the new HVAC system will provide a better IAQ environment with improved humidity and temperature control year round.

Priority Band/Priority 1-5 Major Construction
 Project Schedule: Design - August, 2015 to January, 2016; Award contract - March, 2016; Complete construction - Spring, 2017.
 Based on this tentative schedule the anticipated completion and occupancy is Spring, 2017.

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2021	FY 2022	FY 2023		FY 2024
Engineering/Design		600,000	600,000						600,000					600,000
Land Acquisition			0						0					0
Construction		3,850,000	3,850,000						3,850,000					3,850,000
Inspection Fees		175,000	175,000						175,000					175,000
Equip. / Furn.			0						0					0
Total Cost	0	4,625,000	4,625,000	0	0	0	0	0	4,625,000	0	0	0	0	4,625,000

FUNDING SCHEDULE

State	Local	Other	Total Funds	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2021	Sub-total	FY 2021	FY 2022	FY 2023	FY 2024	Total Project Cost
			0	0	0	0	0	0	0	0	0	0	0	0	0
			2,425,000							2,425,000					2,425,000
			2,200,000							2,200,000					2,200,000
			0							0					0
			0							0					0
			0							0					0
Total Funds	0	4,625,000	4,625,000	0	0	0	0	0	0	4,625,000	0	0	0	0	4,625,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: TBD

PROJECT: PROSPECT MILL ELEMENTARY SCHOOL COMPREHENSIVE HVAC SYSTEMIC PROJECT **TYPE OF PROJECT**
DISTRICT: Bel Air, MD **REQUEST NO:** 6 **of** 40 **PROJECT NUMBER** NEW

Project Description / Justification: Originally built in 1973 the building had three separate additions and renovations in 1990, 1999 and 2008 bringing the total square footage of the building to 75,538 SF. This HVAC renovation addresses the original building square footage of 54,050 SF. The existing systems consist of gas fired electrically cooled single zone packaged roof top units. These units were installed in 1998 under a systemic HVAC renovation. These type of units have a typical life of 15 years and should be replaced as part of an end of life HVAC replacement project. It is recommended that the replacement equipment be a gas fired electrically cooled VAV roof top unit with energy recovery features. This installation will be more efficient and provide better temperature and humidity control than the current HVAC system. As part of the project new ductwork and DDC controls will be installed. Also a part of this project is to convert open space classrooms to self-contained classrooms.

Priority Band/Priority: 1-6 Major Construction
Project Schedule: Design - Fall, 2015, Award contract - May 2016, Complete construction - August 2016.
 Based on this tentative schedule the anticipated completion and occupancy is August 2016.

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		
Engineering/Design		700,000	700,000						700,000					700,000
Land Acquisition			0						0					0
Construction		3,795,000	3,795,000						3,795,000					3,795,000
Inspection Fees		190,000	190,000						190,000					190,000
Equip. / Furn.			0						0					0
Total Cost	0	4,685,000	4,685,000	0	0	0	0	0	4,685,000	0	0	0	0	4,685,000

FUNDING SCHEDULE

State	2,391,000	2,391,000													2,391,000
Local	2,294,000	2,294,000													2,294,000
Other			0						0						0
Harford Cty P & R			0						0						0
Harford Cty BOE			0						0						0
Total Funds	0	4,685,000	4,685,000	0	0	0	0	0	4,685,000	0	0	0	0	0	4,685,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: TBD

PROJECT: **OPEN SPACE RENOVATION PROJECTS** TYPE OF PROJECT: NEW
 COUNCIL DISTRICT: LOCATION: Multiple Sites REQUEST NO: 7 of 40 PROJECT NUMBER: NEW

Project Description / Justification: Funded were requested for FY2016 to covert open space classrooms to self-contained classrooms at the following schools:
 - Bel Air Elementary School
 - Old Post Road Elementary School
 - William S. James Elementary School
 The funds were not granted for FY 2016.

Priority Band: 1 - 7 Major Construction

Project Schedule:

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost		
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025	
Engineering/Design			0	250,000							250,000				250,000
Land Acquisition			0								0				0
Construction			0	2,400,000							2,400,000				2,400,000
Inspection Fees			0								0				0
Equip. / Furn.			0								0				0
Total Cost	0	0	0	2,650,000	0	0	0	0	0	0	2,650,000	0	0	0	2,650,000

FUNDING SCHEDULE

	State	Local	Other	Total Funds	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
State				0						0					0
Local				2,650,000	2,650,000					2,650,000					2,650,000
Other				0						0					0
				0						0					0
Total Funds	0	0	0	2,650,000	2,650,000	0	0	0	0	2,650,000	0	0	0	0	2,650,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: TBD

PROJECT: NORTH HARFORD MIDDLE SCHOOL DOMESTIC WATER IMPROVEMENTS TYPE OF PROJECT NEW
 COUNCIL DISTRICT: LOCATION: Pylesville, MD 21132 REQUEST NO: 8 of 40 PROJECT NUMBER NEW

Project Description / Justification: Replacement of well and associated equipment to establish a new water supply service.

This is the second year of funding. The project cannot proceed without the balance of funding.

Priority Band/Priority 1-8 Capital Improvement Project

Project Schedule: Design - October 2015 to April 2016; Award contract - May 2016; Complete construction - August 2016. Based on this tentative schedule the anticipated completion and occupancy is August 2016.

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost				
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025			
Engineering/Design	100,000	0	100,000						100,000								100,000
Land Acquisition			0						0								0
Construction	400,000	500,000	900,000						900,000								900,000
Inspection Fees			0						0								0
Equip. / Furrn.			0						0								0
Total Cost	500,000	500,000	1,000,000	0	0	0	0	0	1,000,000	0	0	0	0	0	0	0	1,000,000

FUNDING SCHEDULE

State	Local	Other	Total Funds	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
			0						0					0
	500,000		1,000,000						1,000,000					1,000,000
			0						0					0
			0						0					0
			0						0					0
	500,000		1,000,000	0	0	0	0	0	1,000,000	0	0	0	0	1,000,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: TBD

PROJECT: TECHNOLOGY REFRESH **TYPE OF PROJECT**
COUNCIL DISTRICT: LOCATION: Various **REQUEST NO:** 9 **of** 40 **PROJECT NUMBER** B044118
Project Description / Justification: This project addresses critical annual investments required for a rapidly growing, technology rich environment. These investments are essential to maintain a high level of operational efficiency, avoid obsolescence, address increased bandwidth demands and preserve compatibility to industry standards for technology infrastructure components. This over-arching project includes refresh programs for instructional and administrative computers; network, information security, data storage and communications equipment; servers; and auditorium/gymnasium audio/video/theatrical lighting systems. 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. The future year projections represent a place holder. The Technology Department will provide a detailed estimate of costs.

Priority Band 2 **Academic Mission Critical**
Project Schedule: N/A
Project Status: N/A
Financial Activity: **Expended** **Encumberec** **Total**
 Date \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction			0											0
Inspection Fees			0											0
Equip. / Furn.	25,855,371	0	25,855,371	17,487,000	12,348,700	11,098,200	11,238,200	10,758,500	88,785,971					88,785,971
Total Cost	25,855,371	0	25,855,371	17,487,000	12,348,700	11,098,200	11,238,200	10,758,500	88,785,971	0	0	0	0	88,785,971

FUNDING SCHEDULE

State			0											0
Local	14,204,131	0	14,204,131	17,487,000	12,348,700	11,098,200	11,238,200	10,758,500	77,134,731					77,134,731
Other			0						0					0
HCPS BOE	7,866,386		7,866,386						7,866,386					7,866,386
Recycling Revenue	286,367		286,367						286,367					286,367
State Reimburse	3,498,487		3,498,487						3,498,487					3,498,487
Total Funds	25,855,371	0	25,855,371	17,487,000	12,348,700	11,098,200	11,238,200	10,758,500	88,785,971	0	0	0	0	88,785,971

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

PROJECT MANAGER: Drew Moore

PROJECT: CAREER AND TECHNOLOGY EDUCATION EQUIPMENT REFRESH TYPE OF PROJECT
 DISTRICT: Various LOCATION: REQUEST NO: 10 of 40 PROJECT NUMBER B064130

Project Description / Justification: This project provides funds to upgrade equipment in 33 Maryland State Department of Maryland approved high school Career and Technology Education (CTE) programs which are designed to prepare students for the 21st Century's global economy and its rapidly changing workforce needs. These programs are implemented in the 9 comprehensive high schools as well as Harford Technical High School and the Alternative Education Program. The implementation of these programs is an essential component of the K-12 STEM Education Strategic Plan for Harford County Public Schools. 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 are essential to maintain the industry standards and the requirements of postsecondary articulation agreements. Program Advisory Committees, including industry and postsecondary education representatives, help to annually review each program to determine equipment needs. Sample upgrades include:

1. Refresh computers, printers and scanners for the 42 sites that offer CTE programs in the Business, Finance and Information Technology Career Cluster Cluster on a four-five year cycle (current price is \$35,000 per classroom).
2. Replace instructional technology and laboratory equipment for the 40 sites that offer CTE programs in the Health and Human Services Career Cluster as needed (examples: walk-in cooler @ \$19,700, Hobart commercial mixer @ \$2,040, ActivBoard @ \$4,600).
3. Replace instructional technology and machinery for the 18 sites that offer CTE programs in the Science, Engineering and Technology Career Cluster as needed (examples: hot water pressure washer @ \$5,700, wheel balancers @ \$3,890, printing press @ \$12,650).
4. Purchase additional equipment to meet industry standards and postsecondary articulation agreements as CTE programs are added or expanded at the 10 county high schools (examples: Pre-Engineering, Cyber Security, Biomedical Sciences).

Priority Band: 2 Academic Mission Critical

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost			
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023		FY 2024	FY 2025	
Engineering/Design			0							0					0
Land Acquisition			0							0					0
Construction			0							0					0
Inspection Fees			0							0					0
Equip. / Furn.	750,000		750,000	100,000	100,000	100,000	100,000	100,000	100,000	1,250,000					1,250,000
Total Cost	750,000	0	750,000	100,000	100,000	100,000	100,000	100,000	100,000	1,250,000	0	0	0	0	1,250,000

FUNDING SCHEDULE

State	Local	Other	HCPS BOE	State Reimburse	Total Funds	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
						0					0					0
	400,000					100,000	100,000	100,000	100,000	100,000	900,000					900,000
			300,000								300,000					300,000
			50,000								50,000					50,000
			750,000	0	750,000	100,000	100,000	100,000	100,000	100,000	1,250,000	0	0	0	0	1,250,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Susan Garrett

PROJECT: **MUSIC TECHNOLOGY LABS PROGRAM** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 11 of 40 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.

Funds were requested for FY 2016, but were not granted. The following schools will be considered in future years:

- New Labs at Joppatowne High School & refresh at Patterson Mill High School
- New Lab at Harford Technical High School & refresh at Bel Air High School

Priority Band 2 Academic Mission Critical
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	2,016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction			0											0
Inspection Fees			0											0
Equip. / Furn.	345,000		345,000	150,000	127,119	127,119	27,519	55,038	27,519	55,038	27,519			914,352
Total Cost	345,000	0	345,000	150,000	127,119	127,119	27,519	55,038	55,038	55,038	27,519	0	0	914,352

FUNDING SCHEDULE

State	Local	Other	HCPS BOE	Total Funds	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
				0					0
				0					569,352
				0					0
				345,000					345,000
				0					0
				345,000	55,038	27,519	0	0	914,352

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: James E. Boord

PROJECT: **SPECIAL EDUCATION FACILITIES IMPROVEMENTS** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 12 of 40 PROJECT NUMBER

Project Description / Justification: This capital project funds the necessary renovation and upgrades for our facilities to comply with special education laws and mandates. The State and Local code mandates are unknown at this time, but can be issued without notice. The following are examples of general projects that may be required in the future:
 - Room / Program updates as mandated by IDEA.
 - Autism Spectrum Disorder (ASD) program refinements.
 - Moving of centers and programs as required.
 - Securing space for a post-secondary program in the Joppatowne or Edgewood area that would provide work/enclave opportunities for students.

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.

Priority Band **2 Academic Mission Critical**
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction	200,000		200,000	100,000	100,000	100,000	100,000	100,000	700,000					700,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost		200,000	200,000	100,000	100,000	100,000	100,000	100,000	700,000	0	0	0	0	700,000

FUNDING SCHEDULE

State			0											0
Local			0	100,000	100,000	100,000	100,000	100,000	500,000					500,000
Other			0											0
HCPS BOE	100,000		100,000						100,000					100,000
State Reimburse	100,000		100,000						100,000					100,000
Total Funds	200,000	0	200,000	100,000	100,000	100,000	100,000	100,000	700,000	0	0	0	0	700,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Susan Austin

PROJECT: **TECHNOLOGY EDUCATION LAB REFRESH** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 13 of 40 PROJECT NUMBER B994124

Project Description / Justification: This project provides funds to upgrade 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 Maryland Department of Education's graduation requirement. This project also includes funds to purchase furniture, computers, and the equipment for the VEX Robotic Design System for the Project Lead the Way Pre-Engineering Program (Gateway to Technology - GTT) to be phased in at all middle schools. The implementation of these programs is an essential component of the K-12 STEM Education Strategic Plan for Harford County Public Schools.

1. Add Pre-Engineering GTT to Fallston Middle, Magnolia Middle and Patterson Mill Middle School (\$40,000 per site - \$120,000)
2. Refresh Bel Air and Fallson High school Technology Education computers and printers to support current Autodesk suite requirements(\$55000 per site-\$110000)
3. Update Technology Education Labs at Havre de Grace HS and MS (\$30,000 per site \$60,000)
4. Update Technology Education labs at Joppatowne HS (\$50,000 per room \$100,000)
5. Update Technology Education labs furniture, tools and equipment

Priority Band 2 Academic Mission Critical

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction	1,375,000	250,000	1,625,000	390,000	200,000	200,000	200,000	200,000	200,000	200,000				2,815,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	1,375,000	250,000	1,625,000	390,000	200,000	200,000	200,000	200,000	200,000	200,000	0	0	0	2,815,000

FUNDING SCHEDULE

State	Local	Other	HCPS BOE	State Reimburse	Total Funds
	425,000	250,000	675,000	150,000	1,625,000
			0	800,000	800,000
				150,000	150,000
				390,000	390,000
				200,000	200,000
				200,000	200,000
				200,000	200,000
				200,000	200,000
				390,000	390,000
				1,625,000	1,625,000
				0	0
				1,865,000	1,865,000
				0	0
				800,000	800,000
				150,000	150,000
				390,000	390,000
				200,000	200,000
				200,000	200,000
				200,000	200,000
				0	0
				2,815,000	2,815,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Robert Limpert

PROJECT: **TEXTBOOK/ SUPPLEMENTAL REFRESH** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 14 of 40 PROJECT NUMBER B064129

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. Beginning in the school year 2013-14, the Common Core State Standards were fully implemented in all Harford County Public Schools classrooms. The Common Core State Standards establishes a single set of clear and rigorous educational standards for grades K-12 in reading/English/ Language Arts and mathematics that the state of Maryland adopted in June 2010. The standards are designed to ensure that students graduating from high school are prepared to enter credit bearing entry courses in two- or four-year college programs or enter the workforce. The standards are research and evidence based and internationally benchmarked. The Common Core State Standards form the foundation for Maryland's new State Curriculum. In addition, new standards will be adopted by Maryland in Science, Social Studies, and other curricular areas over the next several years. Moreover, in order to maintain high levels of student achievement, all teachers need to infuse technology in daily instruction. If teachers are not provided the necessary tools for instruction, students will ultimately be at a disadvantage when assessed on the new learning standards. The shifts in education around Common Core State Standards serve as a constant reminder that classroom instruction must evolve to support student achievement. Harford County Public Schools will be researching and examining textbooks, materials of instruction, and supplemental materials to support the implementation of these new standards and curricula. These materials continue to become increasingly dependent on technology, such as e-textbooks, electronic resources, and software.

Priority Band 2 Academic Mission Critical
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction			0											0
Inspection Fees			0											0
Equip. / Furn.	4,681,644		4,681,644	2,500,000	1,750,000	1,000,000	500,000	500,000	500,000	10,931,644				10,931,644
Total Cost	4,681,644	0	4,681,644	2,500,000	1,750,000	1,000,000	500,000	500,000	500,000	10,931,644	0	0	0	10,931,644

FUNDING SCHEDULE

State			0											0
Local	1,010,000		1,010,000	2,500,000	1,750,000	1,000,000	500,000	500,000	500,000	7,260,000				7,260,000
Other			0							0				0
HCPS BOE	2,400,000		2,400,000							2,400,000				2,400,000
State Reimburse	1,271,644		1,271,644							1,271,644				1,271,644
Total Funds	4,681,644	0	4,681,644	2,500,000	1,750,000	1,000,000	500,000	500,000	500,000	10,931,644	0	0	0	10,931,644

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: TBD

PROJECT: FIRE ALARM & ER COMMUNICATIONS
 COUNCIL DISTRICT: LOCATION: Various
 REQUEST NO: 15 of 40
 TYPE OF PROJECT: B004112
 PROJECT NUMBER

Project Description / Justification: Funds are utilized for the repair or replacement of obsolete fire alarm and emergency communication systems. Funds were requested for FY 2016, but were not granted. The following schools will be considered in future years as funds are received:

- C. Milton Wright High School.
- North Bend Elementary School
- Church Creek & Darlington Elementary Schools
- Bel Air Middle School, Fountain Green and Havre de Grace Elementary Schools
- Joppatowne High Schools
- George D. Lisby Elementary School
- CEO Building & Fallston Middle School

Priority Band 3 Security and Life Safety
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction	1,125,000		1,125,000	450,000	200,000	225,000	225,000	225,000	300,000					2,750,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	1,125,000	0	1,125,000	450,000	200,000	225,000	225,000	225,000	300,000	0	0	0	0	2,750,000

FUNDING SCHEDULE

State	Local	Other	HCPS BOE	Total Funds	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
	900,000			900,000	450,000	200,000	225,000	225,000	225,000	300,000				2,525,000
				0										0
	225,000			225,000										225,000
	1,125,000			1,125,000	450,000	200,000	225,000	225,000	225,000	300,000	0	0	0	2,750,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Patti Jo Beard

PROJECT: **SECURITY MEASURES** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 16 of 40 PROJECT NUMBER B054113

Project Description/ Justification: Funds will be used for upgrading existing security cameras with associated equipment at each school site on a routine basis depending on age and technology advancement. These funds will also be used to refresh the visitor management system approximately every 5 years.

- Funds were requested for FY 2016, but were not granted.
 The following schools remain in the proposed order of priority:
 - North Harford Middle School - new vestibule/security interlock and security camera systems at Aberdeen and Joppatowne High Schools
 - C. Milton Wright High School and the Alternative Education School (CEO Building)
 - Edgewood Middle and Fallston High Schools
 - Harford Glen Center and Central Office
 - Forest Hill Annex and Refresh Visitor Management Systems all school sites

Priority Band 3 Security & Life Safety
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost			
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023		FY 2024	FY 2025	
Engineering/Design			0							0					0
Land Acquisition			0							0					0
Construction			0							0					0
Inspection Fees			0							0					0
Equip. / Furn.	1,735,000		1,735,000	325,000	225,000	225,000	225,000	225,000	225,000	2,960,000					2,960,000
Total Cost	1,735,000	0	1,735,000	325,000	225,000	225,000	225,000	225,000	225,000	2,960,000	0	0	0	0	2,960,000

FUNDING SCHEDULE

State			0												0
Local	700,000		700,000	325,000	225,000	225,000	225,000	225,000	225,000	1,925,000					1,925,000
Other			0							0					0
HCPS BOE	885,000		885,000							885,000					885,000
State Reimburse	150,000		150,000							150,000					150,000
Total Funds	1,735,000	0	1,735,000	325,000	225,000	225,000	225,000	225,000	225,000	2,960,000	0	0	0	0	2,960,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Bob Benedetto

PROJECT: **ADA IMPROVEMENTS** TYPE OF PROJECT
 DISTRICT: LOCATION: Various REQUEST NO. 17 of 40 PROJECT NUMBER B064143

Project Description / Justification:

This project provides for building and grounds improvements to bring schools into compliance with current Americans with Disabilities Act Accessibility guidelines, and the Maryland Accessibility Code. Approximately four schools will be done each year. Work includes pavement markings, curb cuts, sidewalk work, providing accessible pathways to playground areas, and inside work including making restrooms, water fountains and other public areas accessible.

Priority Band 4 Facilities Mission Critical

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	600,000		600,000	100,000	100,000	100,000	100,000	100,000	1,100,000					1,100,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	600,000	0	600,000	100,000	100,000	100,000	100,000	100,000	1,100,000	0	0	0	0	1,100,000

FUNDING SCHEDULE

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

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

PROJECT: ENVIRONMENTAL COMPLIANCE
 COUNCIL DISTRICT: LOCATION: Various
 REQUEST NO: 18 of 40
 TYPE OF PROJECT: PROJECT NUMBER: B974118

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 following projects have been priority based on need:

- Halls Cross Roads Crawl Space ACM Removal
- George D. Lisby @ Hillisdale Tile and Youth's Benefit School Acoustic Plaster ACM Removal
- John Archer School Underground Storage Tank Removal
- North Harford Elementary School Underground Storage Tank Removal
- Aberdeen Middle Underground Storage Tank Removal
- Homestead / Wakefield Elementary School Underground Storage Tank Removal

Priority Band: 4 Facility Mission Critical
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction	2,941,263		2,941,263	150,000	120,000	100,000	100,000	100,000	100,000	100,000				3,611,263
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	2,941,263	0	2,941,263	150,000	120,000	100,000	100,000	100,000	100,000	100,000	0	0	0	3,611,263

FUNDING SCHEDULE

State			0											0
Local	2,541,263		2,541,263	150,000	120,000	100,000	100,000	100,000	100,000	100,000				3,211,263
Other			0											0
HGPS BOE	300,000		300,000											300,000
State Reimburse	100,000		100,000											100,000
Total Funds	2,941,263	0	2,941,263	150,000	120,000	100,000	100,000	100,000	100,000	100,000	0	0	0	3,611,263

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Keith Jewell

PROJECT: MAJOR HVAC REPAIRS
 DISTRICT: LOCATION: Various REQUEST NO: 19 of 40 PROJECT NUMBER

Project Description / Justification:

This capital project provides funding for large major equipment repairs and replacement of HVAC equipment at various school buildings. All minor repairs are handled through the Harford County Public Schools normal maintenance operating budget.

The following projects have been prioritized based on need:

- North Bend Elementary (1) Chiller, Tower and Gym AHU Replacement, Fallston M S chiller, cooling tower replacement and boiler gas conversion
- Homestead Elementary (2) Boilers, (1) Chillers Replacement (1) Cooling Tower and Controls, Bel Air Middle School Chiller Replacement
- Old Post Road (2) Boilers Replacement, Joppatowne HS (2) Boiler Replacement
- Edgewood MS (1) Chiller and Natatorium Unit Replacement
- Hickory Elementary Chiller Replacement

Priority Band 4 Facility Mission Critical

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0	135,000	130,000	100,000	75,000	40,000	480,000					480,000
Land Acquisition			0						0					0
Construction	8,821,226		8,821,226	1,350,000	1,300,000	1,000,000	750,000	400,000	13,621,226					13,621,226
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	8,821,226	0	8,821,226	1,485,000	1,430,000	1,100,000	825,000	440,000	14,101,226	0	0	0	0	14,101,226

FUNDING SCHEDULE

State			0						0					0
Local	2,032,768		2,032,768	1,485,000	1,430,000	1,100,000	825,000	440,000	7,312,768					7,312,768
Other:			0						0					0
Harford Cty P & R			0						0					0
Harford Cty BOE	3,323,455		3,323,455						3,323,455					3,323,455
Harford Cty transfer	3,465,003		3,465,003						3,465,003					3,465,003
Total Funds	8,821,226	0	8,821,226	1,485,000	1,430,000	1,100,000	825,000	440,000	14,101,226	0	0	0	0	14,101,226

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Justin Evans

PROJECT: SEPTIC FACILITY CODE UPGRADES

TYPE OF PROJECT
PROJECT NUMBER B064128

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 20 of 40

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.

Funds will be used to maintain, upgrade and inspect the septic systems at the following schools such as Youth's Benefit, North Harford, Norrisville, Jarrettsville, North Bend, Dublin, Churchville, Darlington, Prospect Mill and Forest Hill Elementary Schools. In addition, these funds will be used at the following schools such as Fallston Middle / High Schools, North Harford Middle / High Schools, Harford Technical High School and John Archer School. The priority order will be determined during the routine inspections.

Priority Band 4 Facility Mission Critical

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	4,910,592		4,910,592	500,000	500,000	500,000	500,000	500,000	7,410,592					7,410,592
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	4,910,592	0	4,910,592	500,000	500,000	500,000	500,000	500,000	7,410,592	0	0	0	0	7,410,592

FUNDING SCHEDULE

State			0											0
Local			0	500,000	500,000	500,000	500,000	500,000	2,500,000					2,500,000
Other			0						0					0
HGPS BOE	4,425,413		4,425,413						4,425,413					4,425,413
State Reimburse	485,179	0	485,179						485,179					485,179
Total Funds	4,910,592	0	4,910,592	500,000	500,000	500,000	500,000	500,000	7,410,592	0	0	0	0	7,410,592

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Keith Jewell

PROJECT: **STORM WATER MANAGEMENT, EROSION, SEDIMENT CONTROL** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 21 of 40 PROJECT NUMBER B064128

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 be used to comply with Federal, State and Local laws pertaining to storm water management and ground water discharge.

Funds will be used to inspect, maintain and upgrade storm water management facilities to meet County and State codes.

The following projects have been prioritized based on need.

- Hickory Annex - Install Bus / Truck Wash Station connected to the sanitary sewer at Hickory

- Aberdeen High School Slumping Dam

Future repairs as identified by annual inspection reports

Priority Band 4 Facility Mission Critical

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost		
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023		FY 2024	FY 2025
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	775,000		775,000	850,000	200,000	200,000	200,000	200,000	200,000	2,425,000				2,425,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	775,000	0	775,000	850,000	200,000	200,000	200,000	200,000	200,000	2,425,000	0	0	0	2,425,000

FUNDING SCHEDULE

State			0												0
Local	200,000		200,000	850,000	200,000	200,000	200,000	200,000	200,000	1,850,000					1,850,000
Other			0							0					0
HGPS BOE	175,000		175,000							175,000					175,000
State Reimburse	400,000		400,000							400,000					400,000
Total Funds	775,000	0	775,000	850,000	200,000	200,000	200,000	200,000	200,000	2,425,000	0	0	0	0	2,425,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Keith Jewell

PROJECT: **PAVING - OVERLAY AND MAINTENANCE** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 22 of 40 PROJECT NUMBER B064127

Project Description / Justification: Funding to provide bituminous concrete overlay, patching, and re-stripping on existing driveways and parking lots. Associated work curbs, sidewalks, and inlets as required.

- The following schools require asphalt refresh in priority order of need:
- Joppatowne High School
- Riverside Elementary School
- Halls Cross Road Elementary School
- North Bend Elementary School
- Meadowdale Elementary School
- William Paca / Old Post Elementary School

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost		
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025	
Engineering/Design			0							0					0
Land Acquisition			0							0					0
Construction	2,156,370		2,156,370	650,000	450,000	250,000	200,000	200,000	200,000	3,906,370					3,906,370
Inspection Fees			0							0					0
Equip. / Furn.			0							0					0
Total Cost	2,156,370	0	2,156,370	650,000	450,000	250,000	200,000	200,000	200,000	3,906,370	0	0	0	0	3,906,370

FUNDING SCHEDULE

State			0												0
Local	1,025,740		1,025,740	650,000	450,000	250,000	200,000	200,000	200,000	2,775,740					2,775,740
Other			0							0					0
HCPs BOE	1,130,630		1,130,630							1,130,630					1,130,630
Total Funds	2,156,370	0	2,156,370	650,000	450,000	250,000	200,000	200,000	200,000	3,906,370	0	0	0	0	3,906,370

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

PROJECT: **ATHLETIC FIELDS REPAIR AND RESTORATION** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: **Various** REQUEST NO: **23** of **40** PROJECT NUMBER **B034113**

Project Description / Justification: This account 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 for required maintenance and testing of synthetic turf fields.

Priority Band **5** Cost of Doing Business
 Project Schedule: **N/A**
 Project Status: **N/A**

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost				
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023		FY 2024	FY 2025		
Engineering/Design			0							0						0
Land Acquisition			0							0						0
Construction	487,000		487,000	70,000	70,000	70,000	70,000	70,000	70,000	837,000						837,000
Inspection Fees			0							0						0
Equip. / Furn.			0							0						0
Total Cost	487,000	0	487,000	70,000	70,000	70,000	70,000	70,000	70,000	837,000	0	0	0	0	0	837,000

FUNDING SCHEDULE

	FY 2016 Budget	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
State							0					0
Local	277,000	70,000	70,000	70,000	70,000	70,000	627,000					627,000
Other							0					0
HCPS BOE	140,000						140,000					140,000
State Reimburse	70,000						70,000					70,000
Total Funds	487,000	70,000	70,000	70,000	70,000	70,000	837,000	0	0	0	0	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** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 24 of 40 PROJECT NUMBER B054111

Project Description / Justification: Design services to inventory all schools to determine the existing backflow prevention on water systems within the school.

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

- George D. Lisby Elementary Schools - Domestic and Fire suppression system.
- Fallston HS, Fallston MS - Domestic & Fire suppression system
- Roye Williams ES, William Paca ES/Old Post ES - Domestic water and chilled water system
- Harford Tech. HS & North Harford ES - Domestic water and chilled water system
- Churchville ES & Forest Hill ES - Domestic water system
- Norrisville ES - Domestic Water System

Priority Band 5 Cost of Doing Business

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction	600,000		600,000	100,000	100,000	100,000	100,000	100,000	100,000					1,100,000
Inspection Fees			0											0
Equip. / Furr.			0											0
Total Cost	600,000	0	600,000	100,000	100,000	100,000	100,000	100,000	100,000	0	0	0	0	1,100,000

FUNDING SCHEDULE

State			0											0
Local	350,000		350,000	100,000	100,000	100,000	100,000	100,000						850,000
Other			0											0
HCPS BOE	200,000		200,000											200,000
State Reimburse	50,000		50,000											50,000
Total Funds	600,000	0	600,000	100,000	100,000	100,000	100,000	100,000	100,000	0	0	0	0	1,100,000

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: LOCATION: Various REQUEST NO: 25 of 40 PROJECT NUMBER: NEW

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, raingear and/or other items of an ornamental nature. The cost of a basic uniform generally runs \$400 - \$450, and a complete inventory must consist of various sizes form very small to very large and number 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 2016, CMWHS will have approximately 300+/- students and will require a minimum of 360 uniforms to meet the general needs of the program. The principal has also informed me of expected growth in the program to exceed 350 students which would require uniform inventory needs to max out at 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.

Funding was not received in FY 2016. Future band uniform refresh projects are scheduled as follows:

FY 2017 – Havre de Grace HS
 FY 2018 – Joppatowne HS
 FY 2019 – Aberdeen HS
 FY 2020 – Harford Technical HS
 FY 2021 – Bel Air HS
 FY 2022 – Patterson Mill HS
 FY 2023 – North Harford HS
 FY 2024 – Fallston HS

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction			0											0
Inspection Fees			0											0
Equip. / Furrn.	72,340		72,340	150,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	642,340
Total Cost	72,340	0	72,340	150,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	642,340

FUNDING SCHEDULE

State	Local	Other	HCPS BOE	State Reimburse	Total Funds	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost				
						FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025			
						150,000	60,000	60,000	60,000	60,000	60,000	390,000	60,000	60,000	60,000	60,000	60,000	60,000	570,000
												62,340							
												10,000							
												462,340	60,000	60,000	60,000	60,000	60,000	60,000	642,340

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: James E. Boord

PROJECT: BLEACHER REPLACEMENT TYPE OF PROJECT
COUNCIL DISTRICT: LOCATION: Various PROJECT NUMBER
REQUEST NO: 26 of 40
Justification: This project provides funding for the removal and replacement of interior bleachers.
 Future bleacher replacement projects are prioritized as follows:
 - C. Milton Wright High School
 - Fallston Middle School

Priority Band: 5 Cost of Doing Business
Project Schedule: N/A
Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost					
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023		FY 2024	FY 2025			
Engineering/Design			0							0							0
Land Acquisition			0							0							0
Construction			0							0							0
Inspection Fees			0							0							0
Equip. / Furn.	500,000	500,000	500,000	100,000	100,000	0	0	0	0	700,000							700,000
Total Cost	500,000	500,000	500,000	100,000	100,000	0	0	0	0	700,000	0	0	0	0	0	0	700,000

FUNDING SCHEDULE

	FY 2016 Budget	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
State							0					0
Local		100,000	100,000	0	0	0	200,000					200,000
Other							0					0
HGPS BOE	500,000						500,000					500,000
Total Funds	500,000	100,000	100,000	0	0	0	700,000	0	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: **BUILDING ENVELOPE IMPROVEMENTS** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 27 of 40 PROJECT NUMBER

Project Description /

Justification: This project addresses aging schools outside the modernization schedule requiring window, door, masonry or siding renewal. Improvements will provide enhanced security, energy conservation and weatherproofing.

Future building envelope improvements are prioritized as follows:

- Southampton Middle School - Masonry pointing project
- Riverside Elementary School - Exterior Doors & Hardware
- Edgewood Middle School - Masonry Point Up & Fascia Coating Waterproofing
- Bel Air Middle School - Windows & Doors
- Harford Technical High School - Exterior Doors & Windows
- Edgewood Middle School - Exterior Doors & Windows

Priority Band 5 Cost of Doing Business

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction	700,000		700,000	200,000	200,000	200,000	200,000	200,000						1,700,000
Inspection Fees			0											0
Equip. / Furrn.			0											0
Total Cost	700,000	0	700,000	200,000	200,000	200,000	200,000	200,000	200,000	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						1,200,000
Other			0											0
HCPS BOE	400,000		400,000											400,000
State Reimburse	100,000		100,000											100,000
Total Funds	700,000	0	700,000	200,000	200,000	200,000	200,000	200,000	200,000	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: **ENERGY CONSERVATION MEASURES** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 28 of 40 PROJECT NUMBER

Project Description / Justification: Energy conservation funds are used to replace, retrofit and install energy reducing equipment and support other related resource conservation measures within the school system. Types of expenditures included are occupancy sensors for lighting, HVAC equipment, lighting upgrades to provide efficient lighting, expanded energy management controls, water conservation, and solid waste reduction measures.

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	500,000		500,000	250,000	250,000	250,000	250,000	250,000	1,750,000					1,750,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	500,000	0	500,000	250,000	250,000	250,000	250,000	250,000	1,750,000	0	0	0	0	1,750,000

FUNDING SCHEDULE

State			0						0					0
Local			0	250,000	250,000	250,000	250,000	250,000	1,250,000					1,250,000
Other			0						0					0
HCPSS BOE	500,000		500,000						500,000					500,000
Total Funds	500,000	0	500,000	250,000	250,000	250,000	250,000	250,000	1,750,000	0	0	0	0	1,750,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Andrew Cassilly

PROJECT: **EQUIPMENT AND FURNITURE REPLACEMENT** TYPE OF PROJECT PROJECT NUMBER B004113
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 29 of 40

Project Description / Justification: Existing schools have replacement needs as furniture and equipment reach the end of their life cycle.

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost								
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023		FY 2024	FY 2025						
Engineering/Design			0							0										0
Land Acquisition			0							0										0
Construction	1,655,000		1,655,000	100,000	100,000	100,000	100,000	100,000	100,000	2,155,000										2,155,000
Inspection Fees			0							0										0
Equip. / Furn.			0							0										0
Total Cost	1,655,000	0	1,655,000	100,000	100,000	100,000	100,000	100,000	100,000	2,155,000	0	0	0	0	0	0	0	0	0	2,155,000

FUNDING SCHEDULE

State			0																		0
Local	1,355,000		1,355,000	100,000	100,000	100,000	100,000	100,000	100,000	1,855,000											1,855,000
Other			0							0											0
HCPS BOE	300,000		300,000							300,000											300,000
Total Funds	1,655,000	0	1,655,000	100,000	100,000	100,000	100,000	100,000	100,000	2,155,000	0	0	0	0	0	0	0	0	0	0	2,155,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Cornell S. Brown

PROJECT: **FLOOR COVERING REPLACEMENT** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 30 of 40 PROJECT NUMBER

Project Description /

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

Future floor covering replacement projects are prioritized as follows:

- Darlington Elementary School
- Hall's Cross Roads Elementary School
- Abingdon Elementary School
- Fallston Middle School
- Fountain Green Elementary School
- Church Creek Elementary School
- Emmorton Elementary School

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction	100,000		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000				700,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	100,000	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	0	0	0	700,000

FUNDING SCHEDULE

State			0												0
Local			0	100,000	100,000	100,000	100,000	100,000	100,000	100,000					600,000
Other			0												0
HCPS BOE	100,000		100,000												100,000
			0												0
Total Funds	100,000	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	0	0	0	0	700,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

PROJECT: **FOLDING PARTITION REPLACEMENT** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 31 of 40 PROJECT NUMBER New

Project Description / Justification:

This project provides funding for the replacement of folding room partitions that have reached, or surpassed their life expectancy.

Future folding partition replacement projects are prioritized as follows:

- Prospect Mill Elementary School (Stage & Cafeteria Room).
- Southampton Middle School (Gym & Activity Room)
- Joppatowne High School (Activity Room)
- C. Milton Wright High School
- CEO Building
- Ring Factory Elementary School

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction			0	100,000	100,000	100,000	100,000	100,000	500,000					500,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	0	0	0	100,000	100,000	100,000	100,000	100,000	500,000	0	0	0	0	500,000

FUNDING SCHEDULE

State			0						0					0
Local			0	100,000	100,000	100,000	100,000	100,000	500,000					500,000
Other			0						0					0
			0						0					0
Total Funds	0	0	0	100,000	100,000	100,000	100,000	100,000	500,000	0	0	0	0	500,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

PROJECT: **LOCKER REPLACEMENT** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 32 of 40 PROJECT NUMBER

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

Future locker replacement projects are prioritized as follows:

- C. Milton Wright High School
- Bel Air Middle School
- Southampton Middle School
- North Harford Middle School
- Harford Technical High School

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction	430,000		430,000	125,000	125,000	125,000	125,000	125,000	1,055,000					1,055,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	430,000	0	430,000	125,000	125,000	125,000	125,000	125,000	1,055,000	0	0	0	0	1,055,000

FUNDING SCHEDULE

State	Local	Other	HCP's BOE	Total Funds	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
				0						0					0
	125,000			125,000	125,000	125,000	125,000	125,000	125,000	625,000					625,000
			430,000	430,000						430,000					430,000
				0	125,000	125,000	125,000	125,000	125,000	1,055,000	0	0	0	0	1,055,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

PROJECT: MUSIC EQUIPMENT REFRESH PROGRAM

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 33 of 40 PROJECT NUMBER B054112 TYPE OF PROJECT

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 ranging from 6 years to 20 years depending on the type, the amount of use, and the material the instrument is constructed of. Parents are not expected to purchase these instruments due to their high cost or their special use. Basic instruments such as trumpets, trombones, clarinets, alto saxophones and flutes, are not part of this program and parents are responsible to secure them from other sources. 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 program, but in some instances schools may require duplicate sets of some instruments to meet the needs of musical ensembles.

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction			0											0
Inspection Fees			0											0
Equip. / Furn.	625,000		625,000	50,000	50,000	50,000	50,000	50,000	50,000					875,000
Total Cost	625,000	0	625,000	50,000	50,000	50,000	50,000	50,000	50,000	0	0	0	0	875,000

FUNDING SCHEDULE

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
State											0
Local	425,000	50,000	50,000	50,000	50,000	50,000					675,000
Other											0
HCPS BOE	150,000										150,000
State Reimburse	50,000										50,000
Total Funds	625,000	0	50,000	50,000	50,000	50,000	0	0	0	0	875,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: James E. Boord

PROJECT: **OUTDOOR TRACK RECONDITIONING** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 34 of 40 PROJECT NUMBER

Project Description /

Justification: This account provides to maintain existing high school tracks to replace specific surface areas to provide a seamless safe surface for the use by students and the public. The funds will provide minor repair for the running tracks consisting of power washing, repair patching and new layout track lines.

Future high school track reconditioning projects are prioritized as follows:

- Bel Air and Havre de Grace
- Harford Tech and Edgewood
- C. Milton Wright and Aberdeen
- Joppatowne and Patterson Mill

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	200,000		200,000	25,000	25,000	25,000	25,000	25,000	325,000					325,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	200,000	0	200,000	25,000	25,000	25,000	25,000	25,000	325,000	0	0	0	0	325,000

FUNDING SCHEDULE

State	Local	Other	HCPS BOE	State Reimburse	Total Funds	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
											0					0
						25,000	25,000	25,000	25,000	25,000	125,000					125,000
											0					0
			175,000								175,000					175,000
			25,000								25,000					25,000
											0					0
						25,000	25,000	25,000	25,000	25,000	325,000	0	0	0	0	325,000

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** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 35 of 40 PROJECT NUMBER B064126

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

Future funds will be designated for additional parking lot and associated storm water management for parent and bus drop off area at Dublin Elementary School.

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost		
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023		FY 2024	FY 2025
Engineering/Design			0							0				0
Land Acquisition			0							0				0
Construction			0	350,000						350,000				350,000
Inspection Fees			0							0				0
Equip. / Furrn.			0							0				0
Total Cost	0	0	0	350,000	0	0	0	0	0	350,000	0	0	0	350,000

FUNDING SCHEDULE

State			0												0
Local			0	350,000											350,000
Other			0												0
			0												0
Total Funds	0	0	0	350,000	0	0	0	0	0	350,000	0	0	0	0	350,000

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
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 36 of 40 PROJECT NUMBER B074124

Project Description / Justification:

This capital 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. In addition to the funding identified in the schedule below, projects may also receive funds from Harford County Parks and Recreation, Parent Teacher Associations, private contributions and/or grants. The Public School Construction Program granted funds from the FY 2016 Quality Zone Academy Bonds Program in the amount of \$109,000 for playground equipment at Church Creek Elementary School.

Future elementary school playgrounds are prioritized as follows :
 - Bakerfield ES, Forest Hill ES, Forest Lakes ES and Roye Williams ES (grades 3-5)
 - Meadowvale ES (playground and parking lot as required by ADA)
 - Abingdon ES, Bakerfield ES and Darlington ES

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction			0											0
Inspection Fees			0											0
Equip. / Furn.	3,899,241	109,000	4,008,241	350,000	350,000	350,000	350,000	350,000	350,000	350,000	0	0	0	5,758,241
Total Cost	3,899,241	109,000	4,008,241	350,000	350,000	350,000	350,000	350,000	350,000	350,000	0	0	0	5,758,241

FUNDING SCHEDULE

State		109,000	109,000												109,000
Local	2,449,241		2,449,241	350,000	350,000	350,000	350,000	350,000	350,000	350,000					4,199,241
Other			0												0
State reimburse	1,450,000		1,450,000												1,450,000
			0												0
Total Funds	3,899,241	109,000	4,008,241	350,000	350,000	350,000	350,000	350,000	350,000	350,000	0	0	0	0	5,758,241

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Ginny Popiolek

PROJECT: **RELOCATABLE CLASSROOMS** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 37 of 40 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.

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	11,284,637		11,284,637	130,000	130,000	130,000	100,000	100,000	11,874,637					11,874,637
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	11,284,637	0	11,284,637	130,000	130,000	130,000	100,000	100,000	11,874,637	0	0	0	0	11,874,637

FUNDING SCHEDULE

State	565,956		565,956											565,956
Local	8,342,785	130,000	8,342,785	130,000	130,000	130,000	100,000	100,000	8,932,785					8,932,785
Other			0						0					0
HCPS BOE	2,375,896		2,375,896						2,375,896					2,375,896
			0						0					0
Total Funds	11,284,637	0	11,284,637	130,000	130,000	130,000	100,000	100,000	11,874,637	0	0	0	0	11,874,637

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: TBD

PROJECT: **REPLACEMENT BUSES** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Varies REQUEST NO: 38 of 40 PROJECT NUMBER B024118

Project Description / Justification: The additional special needs buses are needed for the additional students, programs and schools. These buses will comply with Federal regulations and meet the IEP requirements for 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:
 FY 2016 - 10 replacement of special ed. buses and 1 new special ed. bus
 FY 2017 - 15 replacement of special ed. buses, 2 new special ed. buses
 FY 2018 - 11 replacement of special ed. buses and 1 activity bus with a lift
 FY 2019 - 15 replacement of special ed. buses, 2 long buses
 FY 2020 - 15 replacement buses of special ed. buses, 1 long bus
 FY 2021 - 10 replacement buses of special ed. Buses, 2 new special ed. buses

Funding of \$1,200,000 was requested for FY 2016, but was not granted.

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

Financial Activity: Expended Encumbered Total
 Date \$ \$ \$ \$ 30

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Master Plan			Total Project Cost				
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023		FY 2024	FY 2025		
Land Acquisition			0													0
Construction			0													0
Inspection Fees			0													0
Equip. / Furn.	10,058,994		10,058,994	1,785,000	1,270,000	1,585,000	1,650,000	1,320,000	17,668,994							17,668,994
Total Cost	10,058,994	0	10,058,994	1,785,000	1,270,000	1,585,000	1,650,000	1,320,000	17,668,994	0	0	0	0	0	0	17,668,994

FUNDING SCHEDULE

State	Local	Other	HGPS BOE	State Reimburse	Total Funds	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
					0						0					0
	7,476,994				7,476,994	1,785,000	1,270,000	1,585,000	1,650,000	1,320,000	15,086,994					15,086,994
					0						0					0
			2,294,000		2,294,000						2,294,000					2,294,000
			288,000		288,000						288,000					288,000
			10,058,994		10,058,994	1,785,000	1,270,000	1,585,000	1,650,000	1,320,000	17,668,994	0	0	0	0	17,668,994

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Charlie Taibi

PROJECT: **REPLACEMENT VEHICLES** TYPE OF PROJECT
 COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 39 of 40 PROJECT NUMBER B034115

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 needed to maintain these standards. The exact vehicles to be replaced is 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.

Priority Band 5 Cost of Doing Business
 Project Schedule: N/A
 Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
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	5,584,396	945,000	945,000	945,000	945,000	945,000	10,309,396					10,309,396
Total Cost	5,584,396	945,000	5,584,396	945,000	945,000	945,000	945,000	945,000	10,309,396	0	0	0	0	10,309,396

FUNDING SCHEDULE

State			0											0
Local	2,000,758	945,000	2,000,758	945,000	945,000	945,000	945,000	945,000	6,725,758					6,725,758
Other			0						0					0
HCPS BOE	3,583,638		3,583,638						3,583,638					3,583,638
Total Funds	5,584,396	945,000	5,584,396	945,000	945,000	945,000	945,000	945,000	10,309,396	0	0	0	0	10,309,396

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

PROJECT MANAGER: Tom Rufenacht

PROJECT: SWIMMING POOL RENOVATIONS
COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 40 of 40 PROJECT NUMBER

PROJECT: SWIMMING POOL RENOVATIONS

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 40 of 40 PROJECT NUMBER

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:

- FY 2016 - Replace key equipment and infrastructure at North Harford MS
- FY 2017 - Replace key equipment and infrastructure at Magnolia MS
- FY 2018 - Replace dehumidification units at Edgewood MS
- FY 2019 - Replace infrastructure at Edgewood, Magnolia and North Harford MS
- FY 2020 - Replace dehumidification units at North Harford MS
- FY 2021 - Additional maintenance and code compliance

Funding was requested for FY 2016, but was not granted.

Priority Band 5 Cost of Doing Business

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2016 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan			Total Project Cost	
				FY 2017	FY 2018	FY 2019	FY 2020	FY 2021		FY 2022	FY 2023	FY 2024		FY 2025
Engineering/Design			0											0
Land Acquisition			0											0
Construction	300,000		300,000	150,000	150,000	130,000	100,000	130,000	100,000	960,000				960,000
Inspection Fees			0											0
Equip. / Furn.			0											0
Total Cost	300,000	0	300,000	150,000	150,000	130,000	100,000	130,000	100,000	960,000	0	0	0	960,000

FUNDING SCHEDULE

	Prior Appro.	FY 2016 Budget	Appro. Total	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Sub-total	FY 2022	FY 2023	FY 2024	FY 2025	Total Project Cost
State			0						0					0
Local			0	150,000	150,000	130,000	100,000	130,000	660,000					660,000
Other			0						0					0
State Reimburse	300,000		300,000						300,000					300,000
Total Funds	300,000	0	300,000	150,000	150,000	130,000	100,000	130,000	960,000	0	0	0	0	960,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Richard Hanzevack

**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
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. Bakersfield Elementary - Addition/Renovation	1999	1999
58. Prospect Mill Elementary - Pre-K Addition	1999	1999
59. C. Milton Wright High - Science Renovations	1999	1999

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

PROJECT NAME	YEAR STARTED	YEAR COMPLETED
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
91. Fallston Middle/High School Waste Water Treatment Plant	2010	2011
92. Havre de Grace High - Phase I HVAC	2010	2011
93. North Harford High Pole Barn	2010	2011
94. Ring Factory Elementary Roof Replacement	2010	2010
95. Havre de Grace High - Phase II HVAC	2011	2012
96. Youth's Benefit Elementary - Primary Building HVAC	2011	2012
97. North Bend Elementary Roof Replacement	2011	2011
98. William Paca Elementary - HVAC	2011	2012
99. Harford Tech, Prospect Mill ES & John Archer WWTP	2011-13	2013
100. Havre de Grace HS Stadium Upgrades	2012	2013
101. Hall's Cross Roads Elementary - HVAC	2012	2012
102. Emmorton Elementary - Chiller Replacement	2012	2013
103. Havre de Grace Elementary - Chiller Replacement	2012	2013
104. Church Creek Elementary - Chiller Replacement	2012	2013
105. Red Pump Elementary - WWTP off site sewer hook-up	2012	2012
106. Jarrettsville Elementary - HVAC	2012	2013
107. Forest Lakes Elementary - Chiller Replacement	2013	2013
108. Magnolia Middle School - HVAC	2013	2014
109. North Harford Elementary - HVAC	2013	2014
110. Norrisville Elementary - HVAC	2014	2014
111. William S. James Elementary - HVAC	2014	2014
112. George D. Lisby Elementary - Roof Replacement	2014	2014
113. Aberdeen HS Stadium Upgrades & Weight Rm. Expansion	2014	2014
114. Aberdeen Middle School - Chiller Replacement	2014	2014