

PROJECT: **HAVRE DE GRACE MIDDLE/HIGH REPLACEMENT SCHOOL**

TYPE OF PROJECT

DISTRICT: LOCATION: Havre de Grace, MD REQUEST NO: 1 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 Major Construction

Project Schedule: Design Development - 11/1/14

Construction Documents - Late Spring, 2017

Construction to begin late summer, early fall, 2017, with building completion expected December, 2019.

Demolition of existing buildings to follow

Project Status: Local Planning

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design	3,950,000	1,000,000	4,950,000						4,950,000					4,950,000
Land Acquisition			0						0					0
Construction		37,000,000	37,000,000	42,252,000	8,800,000				88,052,000					88,052,000
Inspection Fees			0						0					0
Equip. / Furn.			0		6,200,000				6,200,000					6,200,000
Total Cost	3,950,000	38,000,000	41,950,000	42,252,000	15,000,000	0	0	0	99,202,000	0	0	0	0	99,202,000

FUNDING SCHEDULE

State		10,000,000	10,000,000	9,365,000					19,365,000					19,365,000
Local	3,950,000	28,000,000	31,950,000	32,287,000	15,000,000				79,237,000					79,237,000
Other			0						0					0
Harford Cty P & R			0	600,000					600,000					600,000
Harford Cty BOE			0						0					0
			0						0					0
Total Funds	3,950,000	38,000,000	41,950,000	42,252,000	15,000,000	0	0	0	99,202,000	0	0	0	0	99,202,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: [REDACTED]

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Harry Miller

PROJECT: Bel Air Elementary School HVAC Systemic Renovation & Open Space Enclosure

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Bel Air, MD **REQUEST NO:** 2 of 40

PROJECT NUMBER NEW

Project Description / Justification: This project will address the replacement of the HVAC system in place at the school, with the exception of the chiller and associated pumps that were replaced in 2011. Additionally, the project will address the open space classroom configuration on the first floor by the erection of wall partitions and separate doors for each classroom. Fire sprinkler service will be extended to serve all the interior spaces. LED lighting for the school will be considered as an add alternate since Bel Air ES previously participated in fluorescent lighting upgrades. A back-up generator for the school and compliance with MEMA will be considered under this project. The existing HVAC system consists of chiller / boiler, dual pipe HVAC system with unit ventilators / fan coils in the classrooms and offices. The cafeteria/stage and gymnasium are served by air handling units. The kindergarten area is served by multi-zone roof top unit.

Priority Band 1 Major Construction

Project Schedule: Design summer/fall 2017. Bid spring of 2018. Construction to begin summer 2018 and take approximately six months.

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appr. Total	Five Year Capital Program					Sub-total	Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design		1,710,000	1,710,000						1,710,000					1,710,000
Land Acquisition			0						0					0
Construction		5,700,000	5,700,000						5,700,000					5,700,000
Inspection Fees		150,000	150,000						150,000					150,000
Equip. / Furn.			0						0					0
Total Cost	0	7,560,000	7,560,000	0	0	0	0	0	7,560,000	0	0	0	0	7,560,000

FUNDING SCHEDULE

State		3,591,000	3,591,000						3,591,000					3,591,000
Local		3,969,000	3,969,000						3,969,000					3,969,000
Other			0						0					0
			0						0					0
			0						0					0
Total Funds	0	7,560,000	7,560,000	0	0	0	0	0	7,560,000	0	0	0	0	7,560,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: [REDACTED]

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: TBD

PROJECT: **ROOF REPLACEMENT - North Harford Elementary School**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Pylesville, Maryland

REQUEST NO: 3 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. The roof at North Harford Elementary School is in need of replacement in FY 2018. Projects are submitted for funding consideration through the State Capital Improvement Plan request.

Priority Band 1 Major Construction

Project Schedule: Design: July - November 2017, Bid: February 2018 Award Contract: May 2018, Construction Start - June 2018, Construction Completion - August 2018

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design		159,000	159,000						159,000					159,000
Land Acquisition			0						0					0
Construction		903,000	903,000						903,000					903,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	0	1,062,000	1,062,000	0	0	0	0	0	1,062,000	0	0	0	0	1,062,000

FUNDING SCHEDULE

State		569,000	569,000						569,000					569,000
Local		493,000	493,000						493,000					493,000
Other			0						0					0
Harford Cty P & R			0						0					0
Harford Cty BOE			0						0					0
State Reimburse			0						0					0
Total Funds	0	1,062,000	1,062,000	0	0	0	0	0	1,062,000	0	0	0	0	1,062,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Chuck Grebe

PROJECT: **Roye Williams HVAC Systemic Renovation**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Havre de Grace, MD REQUEST NO: 4 of 40

PROJECT NUMBER NEW

Project Description / Justification: The project will address the replacement and upgrade of the building's HVAC system as well as the replacement of the existing plumbing piping and select plumbing fixture replacement. A back-up generator will be added under this project and compliance with MEMA requirements will be considered.

Priority Band 1 Major Construction

Project Schedule: Design summer/fall 2017. Bid spring of 2018. Construction to begin summer 2018 and take approximately six months.

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design		800,000	800,000						800,000					800,000
Land Acquisition			0						0					0
Construction		9,600,000	9,600,000						9,600,000					9,600,000
Inspection Fees		150,000	150,000						150,000					150,000
Equip. / Furn.			0						0					0
Total Cost	0	10,550,000	10,550,000	0	0	0	0	0	10,550,000	0	0	0	0	10,550,000

FUNDING SCHEDULE

State		5,040,000	5,040,000						5,040,000					5,040,000
Local		5,510,000	5,510,000						5,510,000					5,510,000
Other			0						0					0
			0						0					0
			0						0					0
Total Funds	0	10,550,000	10,550,000	0	0	0	0	0	10,550,000	0	0	0	0	10,550,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: TBD

PROJECT: **George D Lisby HVAC Systemic Renovation**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Aberdeen, MD REQUEST NO: 5 of 40

PROJECT NUMBER NEW

Project Description / Justification: This project addresses the replacement of the HVAC system for the entire facility. It will also replace the exterior windows and doors that date back to the original construction. A back-up generator will be added to address life safety requirements and meet HCPS design standards, any additional requirements for compliance with MEMA if needed, will be incorporated. A new HVAC system will provide improved comfort, humidity control, greater energy efficiency and centralized systems controls.

Priority Band 1 Major Construction

Project Schedule: Design summer/fall 2017. Bid spring of 2018. Construction to begin summer 2018 and take approximately six months.

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design		1,890,000	1,890,000						1,890,000					1,890,000
Land Acquisition			0						0					0
Construction		6,300,000	6,300,000						6,300,000					6,300,000
Inspection Fees		150,000	150,000						150,000					150,000
Equip. / Furn.			0						0					0
Total Cost	0	8,340,000	8,340,000	0	0	0	0	0	8,340,000	0	0	0	0	8,340,000

FUNDING SCHEDULE

State		3,969,000	3,969,000						3,969,000					3,969,000
Local		4,371,000	4,371,000						4,371,000					4,371,000
Other			0						0					0
			0						0					0
			0						0					0
Total Funds	0	8,340,000	8,340,000	0	0	0	0	0	8,340,000	0	0	0	0	8,340,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: ██████████

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: TBD

PROJECT: CEO Annex and Training Areas HVAC Upgrades

TYPE OF PROJECT

COUNCIL

DISTRICT: LOCATION: Aberdeen, MD

REQUEST NO: 6 of 40

PROJECT NUMBER NEW

Project Description / Justification This project will upgrade the HVAC system at the CEO Annex and Training Areas. This will provide improved comfort, humidity control, greater energy efficiency and centralized systems controls.

Priority Band 1 Major Construction

Project Schedule: Design summer/fall 2017. Bid spring of 2018. Construction to begin summer 2018 and be completed in the fall.

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Master Plan				Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design		428,000	428,000						428,000					428,000
Land Acquisition			0						0					0
Construction		1,395,000	1,395,000						1,395,000					1,395,000
Inspection Fees		37,000	37,000						37,000					37,000
Equip. / Furn.			0						0					0
Total Cost	0	1,860,000	1,860,000	0	0	0	0	0	1,860,000	0	0	0	0	1,860,000

FUNDING SCHEDULE

State		0	0						0					0
Local		1,860,000	1,860,000						1,860,000					1,860,000
Other			0						0					0
			0						0					0
			0						0					0
Total Funds	0	1,860,000	1,860,000	0	0	0	0	0	1,860,000	0	0	0	0	1,860,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: TBD

PROJECT: **North Harford HS Aquaculture Lab & Greenhouse**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Pylesville, MD REQUEST NO: 7 of 40

PROJECT NUMBER NEW

Project Description / Justification: This project will provide programmatic upgrades to support the agricultural program at the school. Work to upgrade the greenhouse includes: replacing existing greenhouse system with new aluminum system and high performance glazing, above the existing foundation and masonry and removing the existing wall dividing the greenhouse into two spaces. Additionally, to improve greenhouse climate control, the project will add a shade mechanism such as a shading compound/paint (e.g. whitewash) or a retractable shade curtain, add new modern greenhouse temperature and ventilation control system, upsize existing geothermal heat pumps to meet the need of the greenhouse, and modify ductwork to optimize greenhouse airflow.

To accommodate the aquaculture lab, the project will convert the current head house to an aquaculture lab tank room and modify the current floral design room to also be utilized as a workroom for the greenhouse.

Priority Band 1 Major Construction

Project Schedule: Design summer/fall 2017. Bid winter of 2018. Construction to begin spring 2018 and be completed in the fall.

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program					Master Plan				Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026		FY 2027
Engineering/Design		65,000	65,000						65,000					65,000
Land Acquisition			0						0					0
Construction		750,000	750,000						750,000					750,000
Inspection Fees		15,000	15,000						15,000					15,000
Equip. / Furn.			0						0					0
Total Cost	0	830,000	830,000	0	0	0	0	0	830,000	0	0	0	0	830,000

FUNDING SCHEDULE

State			0						0					0
Local		830,000	830,000						830,000					830,000
Other			0						0					0
			0						0					0
			0						0					0
Total Funds	0	830,000	830,000	0	0	0	0	0	830,000	0	0	0	0	830,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: TBD

PROJECT: **Harford Glen Generator and Commercial Dryers**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Pylesville, MD REQUEST NO: 8 of 40

PROJECT NUMBER NEW

Project Description / Justification: This project will provide the items required to reinstate the overnight program at Harford Glen. This includes a generator to support the two dormitories and dinning hall and a commercial dryer for each dorm to address bed bug concerns.

Priority Band 1 Major Construction

Project Schedule: Anticipated completion for this project is December, 2017.

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design		15,400	15,400						15,400					15,400
Land Acquisition			0						0					0
Construction		138,600	138,600						138,600					138,600
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	0	154,000	154,000	0	0	0	0	0	154,000	0	0	0	0	154,000

FUNDING SCHEDULE

State			0						0					0
Local		154,000	154,000						154,000					154,000
Other			0						0					0
			0						0					0
			0						0					0
Total Funds	0	154,000	154,000	0	0	0	0	0	154,000	0	0	0	0	154,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: ██████████

Annual Operating/Maintenance Cost:

New Positions (FTE's):

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.

The FY 2018 request comprises

- Refresh Technology: Data Center Core Network Equipment, Desktop/Laptop replacement, Phone Systems, Servers, Multi-media (projectors), and Instructional Software.
- Auditorium/Gymnasium Audio/Video Infrastructure : CMW Theatre Lighting, AHS Auditorium Sound Modification and NHHS Auditorium Sound/Video Modification
- Communication Systems: PA Maintenance/Upgrade
- Interactive Classroom Tools: Sound Reinforcement in classrooms (amplification), and Interactive Tools (Slates, IFRs, Document Cameras, boards)

Priority Band 2 Academic Mission Critical

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027		
Engineering/Design			0							0					0
Land Acquisition			0							0					0
Construction			0							0					0
Inspection Fees			0							0					0
Equip. / Furn.	25,855,371	14,372,000	40,227,371	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	100,227,371	12,000,000					112,227,371
Total Cost	25,855,371	14,372,000	40,227,371	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	100,227,371	12,000,000	0	0	0	0	112,227,371

FUNDING SCHEDULE

State			0							0					0
Local	14,204,131	14,372,000	28,576,131	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	88,576,131	12,000,000					100,576,131
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	14,372,000	40,227,371	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000	100,227,371	12,000,000	0	0	0	0	112,227,371

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Drew Moore

PROJECT: **SPECIAL EDUCATION FACILITIES IMPROVEMENTS**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 10 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.

- FY 2018 - Elementary children with autism require two additional classrooms - one with a bathroom, a sensory area and a seclusion room. Project requires planning, design, and construction.
- FY 2019 - The addition of 2 middle school autism classrooms, one sensory room and one seclusion room. This need is to account for program growth based on elementary program growth. Add 2 life skills classrooms in high schools to meet growing needs of the 18-21 year old population.
- FY 2020 - Enhance life skills classrooms in high schools to include independent living instruction (kitchen and laundry appliances). Facility improvements to meet special education needs and State and Local mandates.
- FY 2021 - Enhance life skills classrooms in high schools to include independent living instruction (kitchen and laundry appliances). Facility improvements to meet special education needs and State and Local mandates.
- FY 2022 - Enhance life skills classrooms in high schools to include independent living instruction (kitchen and laundry appliances). Facility improvements to meet special education needs and State and Local mandates.
- FY 2023 - Enhance life skills classrooms in high schools to include independent living instruction (kitchen and laundry appliances). Facility improvements to meet special education needs and State and Local mandates.

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. **Failure to address student needs may lead to litigation and much higher costs.**

Priority Band 2 Academic Mission Critical

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	200,000	100,000	300,000	350,000	100,000	100,000	100,000	100,000	1,050,000					1,050,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	200,000	100,000	300,000	350,000	100,000	100,000	100,000	100,000	1,050,000	0	0	0	0	1,050,000

FUNDING SCHEDULE

State			0						0					0
Local		100,000	100,000	350,000	100,000	100,000	100,000	100,000	850,000					850,000
Other			0						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	100,000	300,000	350,000	100,000	100,000	100,000	100,000	1,050,000	0	0	0	0	1,050,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Susan Austin

PROJECT: **CAREER AND TECHNOLOGY EDUCATION EQUIPMENT REFRESH**
 DISTRICT: LOCATION: Various REQUEST NO: 11 of 40

TYPE OF PROJECT
 PROJECT NUMBER B064130

Project Description / Justification: This project provides funds to upgrade equipment in 33 Maryland State Department of Education 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. Due to lack of funding in previous years, the needs for equipment replacement are growing. Sample upgrades include:

- 1) Refresh computers, printers and scanners in the 24 labs that are used for the CTE programs in the Business, Finance and Information Technology Cluster on a four-five year cycle (current price is \$35,000 per classroom) .
- 2) Replace instructional technology and laboratory equipment in the high schools that offer the 10 CTE programs in the Health and Human Services Career Career Cluster as needed (i.e. walk-in cooler @ \$19,700, Hobart commercial mixer @ \$2,040, ActivBoard @ \$4,600).
- 3) Replace instructional technology and machinery in the high schools that offer 14 CTE programs in the Science, Engineering and Technology Career Cluster as needed (i.e. milling machine @ \$17,000; frame aligning system @ \$90,000, refresh laptops @ \$18,000).
- 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 (i.e. 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 \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction			0						0					0
Inspection Fees			0						0					0
Equip. / Furn.	750,000	250,000	1,000,000	100,000	100,000	100,000	100,000	100,000	1,500,000					1,500,000
Total Cost	750,000	250,000	1,000,000	100,000	100,000	100,000	100,000	100,000	1,500,000	0	0	0	0	1,500,000

FUNDING SCHEDULE

State			0						0					0
Local	400,000	250,000	650,000	100,000	100,000	100,000	100,000	100,000	1,150,000					1,150,000
Other			0						0					0
HCPS BOE	300,000		300,000						300,000					300,000
State Reimburse	50,000		50,000						50,000					50,000
Total Funds	750,000	250,000	1,000,000	100,000	100,000	100,000	100,000	100,000	1,500,000	0	0	0	0	1,500,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: TBD

PROJECT: **MUSIC TECHNOLOGY LABS PROGRAM**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 12 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.

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

- FY 2018 - New Labs at Joppatowne High School & refresh at Patterson Mill High School
- FY 2019 - New Lab at Harford Technical High School & refresh at Bel Air High School
- FY 2020 - Edgewood High School will be refreshed
- FY 2021 - Fallston & Havre de Grace High Schools will be refreshed

Priority Band 2 Academic Mission Critical

Project Schedule: N/A

Financial Activity: Expended Encumbered Total

Project Status: N/A

Date \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027		
Engineering/Design			0						0						0
Land Acquisition			0						0						0
Construction			0						0						0
Inspection Fees			0						0						0
Equip. / Furn.	345,000	150,000	495,000	150,000	50,000	100,000	100,000	100,000	995,000	55,038	27,519				1,077,557
Total Cost	345,000	150,000	495,000	150,000	50,000	100,000	100,000	100,000	995,000	55,038	27,519	0	0		1,077,557

FUNDING SCHEDULE

State			0						0						0
Local		150,000	150,000	150,000	50,000	100,000	100,000	100,000	650,000	55,038	27,519				732,557
Other			0						0						0
HCPS BOE	345,000		345,000						345,000						345,000
			0						0						0
Total Funds	345,000	150,000	495,000	150,000	50,000	100,000	100,000	100,000	995,000	55,038	27,519	0	0		1,077,557

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: ██████████

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Jeffrey Winfield

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.
The implementation of these programs is an essential component of the K-12 STEM Education Strategic Plan for Harford County Public Schools.

FY 2018 - Update Technology Education Lab computers and equipment to handle Autodesk software at Fallston High School, Havre de Grace High, and Joppatowne High. Update Technology Education Lab computers and equipment to handle Autodesk/ PLTW and Robotics software Havre de Grace Middle, and Edgewood Middle.

FY 2019 - Update Technology Education Lab computers and equipment to handle Autodesk/ PLTW and Robotics software at Bel Air High.

Priority Band 2 Academic Mission Critical

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027		
Engineering/Design			0							0					0
Land Acquisition			0							0					0
Construction	1,625,000	240,000	1,865,000	35,000	150,000	150,000	150,000	150,000	2,500,000						2,500,000
Inspection Fees			0							0					0
Equip. / Furn.			0							0					0
Total Cost	1,625,000	240,000	1,865,000	35,000	150,000	150,000	150,000	150,000	2,500,000	0	0	0	0	0	2,500,000

FUNDING SCHEDULE

State			0							0					0
Local	675,000	240,000	915,000	35,000	150,000	150,000	150,000	150,000	1,550,000						1,550,000
Other			0							0					0
HCPS BOE	800,000		800,000						800,000						800,000
State Reimburse	150,000		150,000						150,000						150,000
Total Funds	1,625,000	240,000	1,865,000	35,000	150,000	150,000	150,000	150,000	2,500,000	0	0	0	0	0	2,500,000

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 College and Career Ready Standards. In addition, new standards are being adopted and revised 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 the Maryland College and Career Ready Standards, as well as the Partnership for Assessment of Readiness for College and Careers (PARCC) serve as a constant reminder that classroom instruction must evolve to support student achievement.

Harford County Public Schools continues to research and examine 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, which usually have a recurring cost associated with the initial purchase.

Priority Band 2 Academic Mission Critical

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction			0						0					0
Inspection Fees			0						0					0
Equip. / Furn.	4,681,644	1,000,000	5,681,644	1,750,000	1,000,000	500,000	500,000	500,000	9,931,644					9,931,644
Total Cost	4,681,644	1,000,000	5,681,644	1,750,000	1,000,000	500,000	500,000	500,000	9,931,644	0	0	0	0	9,931,644

FUNDING SCHEDULE

State			0						0					0
Local	1,010,000	1,000,000	2,010,000	1,750,000	1,000,000	500,000	500,000	500,000	6,260,000					6,260,000
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	1,000,000	5,681,644	1,750,000	1,000,000	500,000	500,000	500,000	9,931,644	0	0	0	0	9,931,644

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: [Redacted]

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Dr. Susan Brown

PROJECT: **EMERGENCY SYSTEMS & COMMUNICATIONS**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 15 of 40

PROJECT NUMBER B004112

Project Description / Justification: Funds are utilized for the installation, repair, or replacement of obsolete fire alarm and emergency communication systems; major sprinkler repairs; and the replacement or addition of generators to provide life safety measures in the event of power failure in school facilities. This includes replacing recalled sprinkler heads for sprinkler code compliance.

The following projects are scheduled for future years:

- FY 2018 - Replace the fire alarm system at Abingdon ES. Upgrade fire alarm systems at C. Milton Wright HS. Replace recalled sprinkler heads at Bakersfield, Havre de Grace, and Roye Williams Elementary Schools for sprinkler code compliance.
 - FY 2019 - Upgrade the existing Edwards EST-2 panels to new EST3x panels and change out any non-compatible devices at Aberdeen HS, Bakersfield ES Edgewood MS, Fallston HS, Forest Lakes ES, Halls Cross Roads ES, Harford Tech HS, North Harford HS, North Harford MS, Red Pump ES, and William S. James ES. Full replacement of fire alarm systems at Homestead Wakefield, Upgrade fire alarm system at Bel Air MS
 - FY 2020 - Upgrade fire alarm systems and install a generator at Church Creek ES
 - FY 2021 - Upgrade fire alarm systems at Joppatowne HS
 - FY 2022 - Upgrade fire alarm systems at CEO Building, Fountain Green ES and Fallston MS
- Future Upgrades as needed*

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	1,125,000	900,000	2,025,000	840,000	325,000	325,000	325,000	325,000	4,165,000					4,165,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	1,125,000	900,000	2,025,000	840,000	325,000	325,000	325,000	325,000	4,165,000	0	0	0	0	4,165,000

FUNDING SCHEDULE

State			0						0					0
Local	900,000	900,000	1,800,000	840,000	325,000	325,000	325,000	325,000	3,940,000					3,940,000
Other			0						0					0
HCPS BOE	225,000		225,000						225,000					225,000
			0						0					0
Total Funds	1,125,000	900,000	2,025,000	840,000	325,000	325,000	325,000	325,000	4,165,000	0	0	0	0	4,165,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Justin Evans

PROJECT: **SECURITY MEASURES**

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 16 of 40

TYPE OF PROJECT
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.

The proposed order of priority is as follows:

- FY 2018 - Security camera systems at Aberdeen and Joppatowne High Schools
- FY 2019 - Security camera upgrades at C. Milton Wright High School and at Fallston High School. Install security film on entrance foyer at Edgewood High School. New vestibule with security interlock at North Harford Middle School
- FY 2020 - Security Camera upgrade at Edgewood Middle. Install security film and security upgrade to classroom locks at William Paca Old Post Road Elementary Schools.
- FY 2021 - Security Camera System Harford Glen Center, Camera Upgrade at Central Office. Install security film and security upgrade to classroom locks at Darlington and Halls Cross Roads Elementary Schools.
- FY 2022 - Security Camera Upgrade at Forest Hill Annex. Install security film and security upgrade to classroom locks at Norrisville and Roye Williams Elementary Schools.
- FY 2023 - Security Camera Upgrade at Aberdeen and Magnolia Middle Schools. Security upgrade to classroom locks at Norrisville Elementary School.
- FY 2024 - Security Camera Upgrade at Havre de Grace and North Harford High Schools. Security upgrade to classroom locks at Norrisville Elementary School.

Priority Band 3 Security & Life Safety

Project Schedule: N/A

Project Status: N/A

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

EXPENDITURE SCHEDULE	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Cost Elements			0						0					0
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction			0						0					0
Inspection Fees			0						0					225,000
Equip. / Furn.	1,735,000	225,000	0	325,000	225,000	225,000	225,000	225,000	0	225,000	0	0	0	225,000
Total Cost	1,735,000	225,000	0	325,000	225,000	225,000	225,000	225,000	0	225,000	0	0	0	450,000

FUNDING SCHEDULE			0						0					0
State			0						0					2,150,000
Local	700,000	225,000	925,000	325,000	225,000	225,000	225,000	225,000	2,150,000					885,000
Other			885,000						885,000					150,000
HCPS BOE	885,000		150,000						150,000					3,185,000
State Reimburse	150,000		1,960,000						3,185,000	0	0	0	0	6,370,000
Total Funds	1,735,000	225,000	3,920,000	325,000	225,000	225,000	225,000	225,000	6,370,000	0	0	0	0	12,740,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Bob Benedetto

PROJECT: **STORMWATER MANAGEMENT, EROSION, SEDIMENT CONTROL**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 17 of 40

PROJECT NUMBER B064128

Project Description / Justification: This capital item funds the restoration of grounds and stormwater management facilities including erosion control, aeration, fertilization, and control of invasive species. Funds are also used to address critical Stormwater piping failures and infrastructure repairs throughout the County. These funds are needed to comply with Federal, State and Local laws pertaining to Stormwater management and ground water discharge. Failure to address identified items impacts the County's compliance to State regulations.

This funding will be used to address the following projects identified during inspections as being out of compliance:

FY 2018 - Stormwater repairs at Patterson Mill MS/HS, C Milton Wright HS, Fountain Green ES, Forest Hill ES, North Bend ES.

FY 2019 - Hickory Annex - Install Bus / Truck Wash Station connected to the sanitary sewer at Hickory

FY 2020 - 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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027		
Engineering/Design			0							0					0
Land Acquisition			0							0					0
Construction	775,000	485,000	1,260,000	850,000	250,000	250,000	250,000	250,000	3,110,000						3,110,000
Inspection Fees			0							0					0
Equip. / Furn.			0							0					0
Total Cost	775,000	485,000	1,260,000	850,000	250,000	250,000	250,000	250,000	3,110,000	0	0	0	0	0	3,110,000

FUNDING SCHEDULE

State			0							0					0
Local	200,000	485,000	685,000	850,000	250,000	250,000	250,000	250,000	2,535,000						2,535,000
Other			0							0					0
HCPS BOE	175,000		175,000							175,000					175,000
State Reimburse	400,000		400,000							400,000					400,000
Total Funds	775,000	485,000	1,260,000	850,000	250,000	250,000	250,000	250,000	3,110,000	0	0	0	0	0	3,110,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: ██████████

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Paul Kline

PROJECT: **MAJOR HVAC REPAIRS**

TYPE OF PROJECT

DISTRICT: LOCATION: Various REQUEST NO: 18 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.

Planned future year HVAC replacement projects are as follows:

- FY 2018 - Fallston MS chiller and cooling tower replacement. North Bend Elementary Central Plant/Fire Alarm Upgrades.
Relocate and install boilers currently at Dublin to the HCPS Central Office.
- FY 2019 - Abingdon Elementary Chiller Replacement and Pneumatic Controls, Bel Air Middle School Chiller Replacement, CEO Boiler Replacement
- FY 2020 - Edgewood MS (1) Chiller and Natatorium Unit Replacement
- FY 2021 - Hickory Elementary Chiller Replacement and burner replacement
- FY 2022 - Church Creek Elementary Boiler and Pneumatic Controls North Harford Energy Recovery Units
- FY 2023 - Old Post Road (2) Boilers Replacement, Joppatowne HS (2) Boiler Replacement
- FY 2024 - North Harford Energy Recovery Units

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design		345,000	345,000	382,500	123,750	82,500	195,000	82,500	1,211,250	240,000				1,451,250
Land Acquisition			0						0					0
Construction	8,821,226	2,300,000	11,121,226	2,550,000	825,000	550,000	1,300,000	550,000	16,896,226	1,600,000				18,496,226
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	8,821,226	2,645,000	11,466,226	2,932,500	948,750	632,500	1,495,000	632,500	18,107,476	1,840,000	0	0	0	19,947,476

FUNDING SCHEDULE

State			0						0					0
Local	2,032,768	2,645,000	4,677,768	2,932,500	948,750	632,500	1,495,000	632,500	11,319,018					11,319,018
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	2,645,000	11,466,226	2,932,500	948,750	632,500	1,495,000	632,500	18,107,476	0	0	0	0	18,107,476

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: [Redacted]

Annual Operating/Maintenance Cost: [Redacted]

New Positions (FTE's):

PROJECT MANAGER: Justin Evans

PROJECT: **ENVIRONMENTAL COMPLIANCE**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 19 of 40

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 identified based on priority need:

- FY 2018 - Homestead Wakefield ES (both buildings) - Underground storage tank removal (2) and conversion to natural gas fired boilers (4)
- FY 2019 - Halls Cross Roads Crawl Space ACM Removal
- FY 2020 - George D. Lisby @ Hillsdale Tile and Acoustic Plaster ACM Removal
- FY 2021 - John Archer School Underground Storage Tank Removal
- FY 2022 - North Harford Elementary School Underground Storage Tank Removal
- FY 2023 - Aberdeen Middle Underground Storage Tank Removal
- FY 2024 - Rich to identify next priorities after talking to Cindy and Laura before our next meeting

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design		80,000	80,000						80,000					80,000
Land Acquisition			0						0					0
Construction	2,941,263	800,000	3,741,263	200,000	100,000	100,000	200,000	100,000	4,441,263	100,000				4,541,263
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	2,941,263	880,000	3,821,263	200,000	100,000	100,000	200,000	100,000	4,521,263	100,000	0	0	0	4,621,263

FUNDING SCHEDULE

State			0						0					0
Local	2,541,263	880,000	3,421,263	120,000	100,000	100,000	200,000	100,000	4,041,263	100,000				4,141,263
Other			0						0					0
HCPS BOE	300,000		300,000						300,000					300,000
State Reimburse	100,000		100,000						100,000					100,000
Total Funds	2,941,263	880,000	3,821,263	120,000	100,000	100,000	200,000	100,000	4,441,263	100,000	0	0	0	4,541,263

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Rich Hanzevack

PROJECT: ADA IMPROVEMENTS

TYPE OF PROJECT

DISTRICT: LOCATION: Various **REQUEST NO.** 20 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. Exterior work includes pavement markings, curb cuts, sidewalk work, and providing accessible pathways to playground areas. Inside work includes making restrooms, water fountains and public areas accessible. This category includes planned projects and allowance. By law, accommodations must be made to a school receiving new students or staff requiring accommodations. A funding source to complete these modifications is needed in order to avoid liability.

- FY 2018 - CEO Front entrance storefront replacement and additional parking and ramps
- FY 2019 - Restrooms and fountains at Southampton MS
- FY 2020 - Restrooms and fountains at Edgewood MS
- FY 2021 - Fountains at North Harford MS - Old Post Elementary Front entrance storefront replacement and additional parking and ramps
- FY 2022 - Fallston HS Front entrance storefront replacement and additional ramps and parking

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	600,000	100,000	700,000	100,000	100,000	100,000	100,000	100,000	1,200,000					1,200,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	600,000	100,000	700,000	100,000	100,000	100,000	100,000	100,000	1,200,000	0	0	0	0	1,200,000

FUNDING SCHEDULE

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

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: ██████████

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Reggie Wilkins

PROJECT: **SEPTIC FACILITY CODE UPGRADES**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 21 of 40

PROJECT NUMBER B064128

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. Required upgrades or repairs may include replacement blowers, pumps or remote monitoring systems.

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.

FY 2018 - Fallston Operation and Maintenance measures based on recommendations following examination.

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 2018 Budget	Appro. Total	Five Year Capital Program					Sub-total	Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023		FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	4,910,592	75,000	4,985,592	75,000	75,000	75,000	75,000	75,000	5,360,592					5,360,592
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	4,910,592	75,000	4,985,592	75,000	75,000	75,000	75,000	75,000	5,360,592	0	0	0	0	5,360,592

FUNDING SCHEDULE

State			0						0					0
Local		75,000	75,000	75,000	75,000	75,000	75,000	75,000	450,000					450,000
Other			0						0					0
HCPS 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	75,000	4,985,592	75,000	75,000	75,000	75,000	75,000	5,360,592	0	0	0	0	5,360,592

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Rich Hanzevack

PROJECT: REPLACEMENT BUSES

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various

REQUEST NO: 22 of 40

PROJECT NUMBER B024118

Project Description / Justification: Special needs buses are required to meet the needs of growing numbers of students, programs and schools. These buses must comply with Federal regulations and meet IEP requirements for special needs transportation. The MD State Department of Education requires that school systems replace buses after 12 years of use. HCPS requested legislative action to allow its school buses to be kept in service for up to 15 years, however the legislation did not pass. Currently we are three years out of compliance on our bus replacement schedule. The FY18 request reflects the cost of replacing all buses that passed the 12 year replacement cycle. This schedule is assuming the replacement of 15 extended year special needs buses during FY2017. Further, it assumes the approval during FY 2017 of replacing (10) 15 year old buses and (5) 13 year old buses (VT365 engines). (2% annual increase built into projections.)

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

FY 2018 - 31 buses total, includes 14 buses due for replacement in FY2016; 4 due in FY2017, and 13 due in FY2018.

FY 2019 - 14 replacement special ed. buses

FY 2020 - 10 replacement special ed. buses

FY 2021 - 6 replacement special ed. buses

FY 2022 - 11 replacement special ed. buses

FY 2023 - 6 replacement special needs buses

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2023	FY 2024	FY 2025	FY 2026	
			0						0					0
Land Acquisition			0						0					0
Construction			0						0					0
Inspection Fees			0						0					0
Equip. / Furn.	10,058,994	3,224,000	13,282,994	1,484,000	1,080,000	660,000	1,232,000	684,000	18,422,994					18,422,994
Total Cost	10,058,994	3,224,000	13,282,994	1,484,000	1,080,000	660,000	1,232,000	684,000	18,422,994	0	0	0	0	18,422,994

FUNDING SCHEDULE

State			0						0					0
Local	7,476,994	3,224,000	10,700,994	1,484,000	1,080,000	660,000	1,232,000	684,000	15,840,994					15,840,994
Other			0						0					0
HCPS BOE	2,294,000		2,294,000						2,294,000					2,294,000
State Reimburse	288,000		288,000						288,000					288,000
Total Funds	10,058,994	3,224,000	13,282,994	1,484,000	1,080,000	660,000	1,232,000	684,000	18,422,994	0	0	0	0	18,422,994

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

104,000

PROJECT MANAGER: Charlie Taibi

PROJECT: REPLACEMENT VEHICLES

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various

REQUEST NO: 23 of 40

PROJECT NUMBER B034115

Project Description / Justification: This category of funding provides for replacement vehicles for facilities maintenance, transportation, food services and warehouse activities. Also included are school based tractors and equipment, and facilities grounds equipment. Vehicles are planned to be on a five year replacement cycle in accordance with fleet standards utilized by Harford County government. These standards were derived from APWA (American Public Works Association) standards. The non-bus fleet covered by this category consists of approximately 320 pieces of equipment, not including small equipment such as push mowers, weed eaters, snow blowers, etc. Due to a lack of funding for the last FIVE fiscal years, the fleet is becoming increasingly difficult to maintain. HCPS has had to rent vehicles for snow removal and salt in order to open schools after inclement weather. The continued ability to maintain our buildings, lots and grounds is dependent upon receiving funding to replace or repair vehicles and equipment in this category.

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction			0						0					0
Inspection Fees			0						0					0
Equip. / Furn.	5,584,396	4,412,400	9,996,796	618,000	1,223,000	1,260,000	278,000	333,000	13,708,796	226,000				13,934,796
Total Cost	5,584,396	4,412,400	9,996,796	618,000	1,223,000	1,260,000	278,000	333,000	13,708,796	226,000	0	0	0	13,934,796

FUNDING SCHEDULE

State			0						0					0
Local	2,000,758	4,412,400	6,413,158	618,000	1,223,000	1,260,000	278,000	333,000	10,125,158	226,000				10,351,158
Other			0						0					0
HCPS BOE	3,583,638		3,583,638						3,583,638					3,583,638
			0						0					0
Total Funds	5,584,396	4,412,400	9,996,796	618,000	1,223,000	1,260,000	278,000	333,000	13,708,796	226,000	0	0	0	13,934,796

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Tom Rufenacht

PROJECT: PAVING - OVERLAY AND MAINTENANCE

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various **REQUEST NO:** 24 of 40

PROJECT NUMBER B064127

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

The following schools require asphalt refresh in priority order of need:

- FY 2018 - Joppatowne High School
- FY 2019 - Riverside Elementary School
- FY 2020 - Halls Cross Road Elementary School
- FY 2021 - North Bend Elementary School
- FY 2022 - Meadowvale Elementary School
- FY 2023 - 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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	2,156,370	700,000	2,856,370	500,000	300,000	250,000	250,000	250,000	4,406,370					4,406,370
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	2,156,370	700,000	2,856,370	500,000	300,000	250,000	250,000	250,000	4,406,370	0	0	0	0	4,406,370

FUNDING SCHEDULE

State			0						0					0
Local	1,025,740	700,000	1,725,740	500,000	300,000	250,000	250,000	250,000	3,275,740					3,275,740
Other			0						0					0
HCPS BOE	1,130,630		1,130,630						1,130,630					1,130,630
			0						0					0
Total Funds	2,156,370	700,000	2,856,370	500,000	300,000	250,000	250,000	250,000	4,406,370	0	0	0	0	4,406,370

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Paul Kline

PROJECT: **ATHLETIC FIELDS REPAIR AND RESTORATION**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 25 of 40

PROJECT NUMBER B034113

Project Description / Justification: This account provides funds of \$50,000 annually to maintain athletic fields at ten high schools, as well as playing fields at all schools. Funding includes maintenance and repair for stadium and practice fields at \$20,000 per year. It provides for repair and replacement of fencing (\$30,000 / year) which ensures safety of students. Additionally, these funds are used to fund mandated 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 \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	487,000	100,000	587,000	100,000	100,000	100,000	100,000	100,000	1,087,000					1,087,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	487,000	100,000	587,000	100,000	100,000	100,000	100,000	100,000	1,087,000	0	0	0	0	1,087,000

FUNDING SCHEDULE

State			0						0					0
Local	277,000	100,000	377,000	100,000	100,000	100,000	100,000	100,000	877,000					877,000
Other			0						0					0
HCPS BOE	140,000		140,000						140,000					140,000
State Reimburse	70,000		70,000						70,000					70,000
Total Funds	487,000	100,000	587,000	100,000	100,000	100,000	100,000	100,000	1,087,000	0	0	0	0	1,087,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: TBD

PROJECT: **Domestic Water and Backflow Prevention**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 26 of 40

PROJECT NUMBER B054111

Project Description / Funding in this category is used to design and implement backflow prevention in order to separate school water systems from backing up into county water supply.
 Justification: This account is also utilized to perform major domestic water repairs, as well as piping serving condensate, steam, etc.

Funding is planned for the following projects.

- FY 2018 - Roye Williams Domestic Water line; Havre de Grace ES - Backflow Prevention.
- FY 2019 - Joppatowne HS - Replace 4" domestic water line.; Fallston MS and Joppa High School - Install Backflow Prevention
- FY 2020 - Harford Technical HS and William Paca/Old Post - Install Backflow Prevention
- FY 2021 - Churchville ES and North Harford ES - Install Backflow Prevention
- FY 2022 - Halls Cross Roads ES and Forest Hill ES - Install Backflow Prevention
- FY 2023 - Meadowvale Elementary and North Bend ES - Install Backflow Prevention
- FY 2024 - Edgewood Elementary and Harford Glen - install backflow preventer

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	600,000	1,050,000	1,650,000	250,000	200,000	200,000	200,000	200,000	2,700,000					2,700,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	600,000	1,050,000	1,650,000	250,000	200,000	200,000	200,000	200,000	2,700,000	0	0	0	0	2,700,000

FUNDING SCHEDULE

State			0						0					0
Local	350,000	1,050,000	1,400,000	250,000	200,000	200,000	200,000	200,000	2,450,000					2,450,000
Other			0						0					0
HCPS BOE	200,000		200,000						200,000					200,000
State Reimburse	50,000		50,000						50,000					50,000
Total Funds	600,000	1,050,000	1,650,000	250,000	200,000	200,000	200,000	200,000	2,700,000	0	0	0	0	2,700,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Brian McNutt

PROJECT: **FLOOR COVERING REPLACEMENT**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 27 of 40

PROJECT NUMBER

Project Description / Justification: This project provides funding for large scale flooring renewal in schools outside of the modernization schedule. These include carpet, vinyl composition tile, and gym floor replacements.

The following projects are scheduled:

- FY 2018 - Hall's Cross Roads ES - VCT; Ring Factory ES - Gym Floor
- FY 2019 - Abingdon ES - Carpet; North Bend ES - Gym Floor
- FY 2020 - Fallston MS - Carpet
- FY 2021 - Fountain Green ES - Carpet
- FY 2022 - Church Creek ES - Carpet and Gym Floor
- FY 2023 - Emmorton ES - Carpet
- FY 2024 - Roye Williams ES - Carpet

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	150,000	200,000	350,000	200,000	100,000	200,000	100,000	100,000	1,050,000					1,050,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	150,000	200,000	350,000	200,000	100,000	200,000	100,000	100,000	1,050,000	0	0	0	0	1,050,000

FUNDING SCHEDULE

State			0						0					0
Local		200,000	200,000	200,000	100,000	200,000	100,000	100,000	900,000	100,000				1,000,000
Other			0						0					0
HCPS BOE	150,000		150,000						150,000					150,000
			0						0					0
Total Funds	150,000	200,000	350,000	200,000	100,000	200,000	100,000	100,000	1,050,000	100,000	0	0	0	1,150,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: ██████████

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Reggie Wilkins

PROJECT: **FOLDING PARTITION REPLACEMENT**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various

REQUEST NO: 28 of 40

PROJECT NUMBER

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

The following projects are scheduled for future years:

- FY 2018 - Southampton Middle School (Gym & Activity Room)
- FY 2019 - Joppatowne High School (Activity Room)
- FY 2020 - CEO Building
- FY 2021 - Ring Factory ES
- FY 2022 - Edgewood MS (Stage & Activity Room)
- FY 2023 - Old Post ES (Gym/Cafeteria Room)

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction		100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000					600,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000	0	0	0	0	600,000

FUNDING SCHEDULE

State			0						0					0
Local		100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000					600,000
Other			0						0					0
			0						0					0
			0						0					0
Total Funds	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000	0	0	0	0	600,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Reggie Wilkins

PROJECT: **OUTDOOR TRACK RECONDITIONING**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 29 of 40

PROJECT NUMBER

Project Description / Justification: This account provides funding to maintain existing high school tracks, and 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. Due to funding limitations, the last track repair was done in 2013. This lapse in time has created a backlog in required work. Continued deferral could lead to having to close tracks, then spend more money to replace them when they become unsafe to run on.

High school track reconditioning is scheduled as follows:

FY 2018 - Harford Tech, Havre de Grace, Bel Air, and Edgewood High Schools

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	200,000	100,000	300,000	50,000	50,000	50,000	50,000	50,000	550,000					550,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	200,000	100,000	300,000	50,000	50,000	50,000	50,000	50,000	550,000	0	0	0	0	550,000

FUNDING SCHEDULE

State			0						0					0
Local		100,000	100,000	50,000	50,000	50,000	50,000	50,000	350,000					350,000
Other			0						0					0
HCPS BOE	175,000		175,000						175,000					175,000
State Reimburse	25,000		25,000						25,000					25,000
			0						0					0
Total Funds	200,000	100,000	300,000	50,000	50,000	50,000	50,000	50,000	550,000	0	0	0	0	550,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Deborah Basler

PROJECT: **PAVING - NEW PARKING AREAS**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 30 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. The funds for FY 2018 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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction		350,000	350,000						350,000					350,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	0	350,000	350,000	0	0	0	0	0	350,000	0	0	0	0	350,000

FUNDING SCHEDULE

State			0						0					0
Local		350,000	350,000						350,000					350,000
Other			0						0					0
			0						0					0
Total Funds	0	350,000	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: Paul Kline

PROJECT: **PLAYGROUND EQUIPMENT**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 31 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. Estimates include costs to meet new stormwater and ADA requirements.

The following elementary school playgrounds are scheduled for consideration in the following order:

- | | |
|--|------------------------|
| 1) Havre de Grace Elementary - preschool | 4) Homestead Wakefield |
| 2) Forest Lakes | 5) Abington |
| 3) Roye Williams | 6) Meadowvale |

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost	
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027		
Engineering/Design			0							0					0
Land Acquisition			0							0					0
Construction			0							0					0
Inspection Fees			0							0					0
Equip. / Furn.	3,899,241	300,000	4,199,241	300,000	300,000	300,000	300,000	300,000	5,699,241						5,699,241
Total Cost	3,899,241	300,000	4,199,241	300,000	300,000	300,000	300,000	300,000	5,699,241	0	0	0	0	0	5,699,241

FUNDING SCHEDULE

State			0						0						0
Local	2,449,241	300,000	2,749,241	300,000	300,000	300,000	300,000	300,000	4,249,241						4,249,241
Other			0						0						0
State reimburse	1,450,000		1,450,000						1,450,000						1,450,000
			0						0						0
Total Funds	3,899,241	300,000	4,199,241	300,000	300,000	300,000	300,000	300,000	5,699,241	0	0	0	0	0	5,699,241

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Ginny Popiolek

PROJECT: **BUILDING ENVELOPE IMPROVEMENTS**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 32 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.

Building envelope improvements are scheduled as follows:

- FY 2018 - Aberdeen MS - Masonry point up and waterproofing
- FY 2019 - Southampton Middle School - Masonry point up project
- FY 2020 - Edgewood Middle School - Masonry point up & fascia coating waterproofing
- FY 2021 - Bel Air Middle School - Windows & Doors
- FY 2022 - Harford Technical High School - Exterior Doors & Windows
- FY 2023 - 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 \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	700,000	200,000	900,000	200,000	200,000	200,000	200,000	200,000	1,900,000					1,900,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	700,000	200,000	900,000	200,000	200,000	200,000	200,000	200,000	1,900,000	0	0	0	0	1,900,000

FUNDING SCHEDULE

State			0						0					0
Local	200,000	200,000	400,000	200,000	200,000	200,000	200,000	200,000	1,400,000					1,400,000
Other			0						0					0
HCPS BOE	400,000		400,000						400,000					400,000
State Reimburse	100,000		100,000						100,000					100,000
Total Funds	700,000	200,000	900,000	200,000	200,000	200,000	200,000	200,000	1,900,000	0	0	0	0	1,900,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Reggie Wilkins

PROJECT: **MUSIC EQUIPMENT REFRESH PROGRAM**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 33 of 40

PROJECT NUMBER B054112

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 \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction			0						0					0
Inspection Fees			0						0					0
Equip. / Furn.	625,000	50,000	675,000	50,000	50,000	50,000	50,000	50,000	925,000					925,000
Total Cost	625,000	50,000	675,000	50,000	50,000	50,000	50,000	50,000	925,000	0	0	0	0	925,000

FUNDING SCHEDULE

State			0						0					0
Local	425,000	50,000	475,000	50,000	50,000	50,000	50,000	50,000	725,000					725,000
Other			0						0					0
HCPS BOE	150,000		150,000						150,000					150,000
State Reimburse	50,000		50,000						50,000					50,000
Total Funds	625,000	50,000	675,000	50,000	50,000	50,000	50,000	50,000	925,000	0	0	0	0	925,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Jeffrey Winfield

PROJECT: **EQUIPMENT AND FURNITURE REPLACEMENT**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 34 of 40

PROJECT NUMBER B004113

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

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	1,655,000	100,000	1,755,000	100,000	100,000	100,000	100,000	100,000	2,255,000					2,255,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	1,655,000	100,000	1,755,000	100,000	100,000	100,000	100,000	100,000	2,255,000	0	0	0	0	2,255,000

FUNDING SCHEDULE

State			0						0					0
Local	1,355,000	100,000	1,455,000	100,000	100,000	100,000	100,000	100,000	1,955,000					1,955,000
Other			0						0					0
HCPS BOE	300,000		300,000						300,000					300,000
			0						0					0
Total Funds	1,655,000	100,000	1,755,000	100,000	100,000	100,000	100,000	100,000	2,255,000	0	0	0	0	2,255,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Cornell S. Brown

PROJECT: **ENERGY CONSERVATION MEASURES**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 35 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, add additional metering and solid waste reduction measures. These projects result in more efficient systems and a reduction in the operating cost.

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	500,000	250,000	750,000	250,000	250,000	250,000	250,000	250,000	2,000,000					2,000,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	500,000	250,000	750,000	250,000	250,000	250,000	250,000	250,000	2,000,000	0	0	0	0	2,000,000

FUNDING SCHEDULE

State			0						0					0
Local		250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000					1,500,000
Other			0						0					0
HCPS BOE	500,000		500,000						500,000					500,000
			0						0					0
Total Funds	500,000	250,000	750,000	250,000	250,000	250,000	250,000	250,000	2,000,000	0	0	0	0	2,000,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Andrew Cassilly

PROJECT: **SWIMMING POOL RENOVATIONS**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 36 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 2018 - North Harford Middle School - Replace key equipment and infrastructure. The pool is currently not retaining water and repair work is needed.

FY 2019 - Replace dehumidification units and Ceiling repairs (Removal and Paint) at Edgewood Middle School

FY 2020 - Replace infrastructure at Edgewood, Magnolia and North Harford Middle Schools

FY 2021 - Replace dehumidification units at North Harford MS

FY 2022 - Additional maintenance and code compliance

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	300,000	250,000	550,000	310,000	130,000	100,000	130,000	50,000	1,270,000					1,270,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	300,000	250,000	550,000	310,000	130,000	100,000	130,000	50,000	1,270,000	0	0	0	0	1,270,000

FUNDING SCHEDULE

State			0						0					0
Local		250,000	250,000	150,000	130,000	100,000	130,000	50,000	810,000					810,000
Other			0						0					0
State Reimburse	300,000		300,000						300,000					300,000
			0						0					0
Total Funds	300,000	250,000	550,000	150,000	130,000	100,000	130,000	50,000	1,110,000	0	0	0	0	1,110,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost: ██████████

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Richard Hanzevack

PROJECT: BAND UNIFORM REFRESH

TYPE OF PROJECT

DISTRICT: LOCATION: Various REQUEST NO: 37 of 40

PROJECT NUMBER

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.

Band uniform refresh projects are scheduled as follows:

Current Request

FY 2018 - C. Milton Wright High School (CHMH)

CMHS will have approximately 300+/- students and will require a minimum of 360 uniforms to meet the general needs of the program. The 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.

Future Requests

FY 2019 - Havre de Grace HS

FY 2021 - Aberdeen HS

FY 2023 - Bel Air HS

FY 2025 - North Harford HS

FY 2020 - Joppatowne HS

FY 2022 - Harford Technical HS

FY 2024 - Patterson Mill HS

FY 2026 - Fallston HS

Priority Band 5 Cost of Doing Business

Project Schedule: N/A

Financial Activity: Expended Encumbered Total

Project Status: N/A

Date \$ \$ \$0

EXPENDITURE SCHEDULE

Cost Elements	Prior Appro.	FY 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction			0						0					0
Inspection Fees			0						0					0
Equip. / Furn.	72,340	150,000	222,340	60,000	60,000	60,000	60,000	60,000	522,340	60,000	60,000	60,000		702,340
Total Cost	72,340	150,000	222,340	60,000	60,000	60,000	60,000	60,000	522,340	60,000	60,000	60,000	0	702,340

FUNDING SCHEDULE

State			0						0					0
Local		150,000	150,000	60,000	60,000	60,000	60,000	60,000	450,000	60,000	60,000	60,000		630,000
Other			0						0					0
HCPS BOE	62,340		62,340						62,340					62,340
State Reimburse	10,000		10,000						10,000					10,000
Total Funds	72,340	150,000	222,340	60,000	60,000	60,000	60,000	60,000	522,340	60,000	60,000	60,000	0	702,340

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Jeffrey Winfield

PROJECT: **BLEACHER REPLACEMENT**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 38 of 40

PROJECT NUMBER

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

Bleacher replacement projects are as follows:

- FY 2018 - Fallston Middle School
- FY 2019 - Ring Factory Elementary School
- FY 2020 - North Bend 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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction			0						0					0
Inspection Fees			0						0					0
Equip. / Furn.	500,000	100,000	600,000	100,000	100,000	0	0	0	800,000					800,000
Total Cost	500,000	100,000	600,000	100,000	100,000	0	0	0	800,000	0	0	0	0	800,000

FUNDING SCHEDULE

State			0						0					0
Local		100,000	100,000	0	0	0	0	0	100,000					100,000
Other			0						0					0
HCPS BOE	500,000		500,000						500,000					500,000
			0						0					0
Total Funds	500,000	100,000	600,000	0	0	0	0	0	600,000	0	0	0	0	600,000

OPERATING BUDGET IMPACT:

Estimated Annual Debt Service Cost:

Annual Operating/Maintenance Cost:

New Positions (FTE's):

PROJECT MANAGER: Reggie Wilkins

PROJECT: **LOCKER REPLACEMENT**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 39 of 40

PROJECT NUMBER

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

The following schools are scheduled in the associated budget years:

- FY 2018 - C. Milton Wright High School
- FY 2019 - Bel Air Middle School
- FY 2020 - Southampton Middle School
- FY 2021 - North Harford Middle School
- FY 2022 - Harford Technical High School
- FY 2023 - CEO

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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	430,000	150,000	580,000	125,000	125,000	125,000	150,000	125,000	1,230,000					1,230,000
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	430,000	150,000	580,000	125,000	125,000	125,000	150,000	125,000	1,230,000	0	0	0	0	1,230,000

FUNDING SCHEDULE

State			0						0					0
Local		150,000	150,000	125,000	125,000	125,000	150,000	125,000	800,000					800,000
Other			0						0					0
HCPS BOE	430,000		430,000						430,000					430,000
			0						0					0
Total Funds	430,000	150,000	580,000	125,000	125,000	125,000	150,000	125,000	1,230,000	0	0	0	0	1,230,000

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: Reggie Wilkins

PROJECT: **RELOCATABLE CLASSROOMS**

TYPE OF PROJECT

COUNCIL DISTRICT: LOCATION: Various REQUEST NO: 40 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 2018 Budget	Appro. Total	Five Year Capital Program						Master Plan				Total Project Cost
				FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Sub-total	FY 2024	FY 2025	FY 2026	FY 2027	
Engineering/Design			0						0					0
Land Acquisition			0						0					0
Construction	11,284,637	130,000	11,414,637	130,000	130,000	100,000	100,000	100,000	11,974,637					11,974,637
Inspection Fees			0						0					0
Equip. / Furn.			0						0					0
Total Cost	11,284,637	130,000	11,414,637	130,000	130,000	100,000	100,000	100,000	11,974,637	0	0	0	0	11,974,637

FUNDING SCHEDULE

State	565,956		565,956						565,956					565,956
Local	8,342,785	130,000	8,472,785	130,000	130,000	100,000	100,000	100,000	9,032,785					9,032,785
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	130,000	11,414,637	130,000	130,000	100,000	100,000	100,000	11,974,637	0	0	0	0	11,974,637

OPERATING BUDGET IMPACT:

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

PROJECT MANAGER: TBD