

BETHLEHEM AREA SCHOOL DISTRICT

CAPITAL IMPROVEMENTS PLAN



Updated Report on Findings and Recommendations

**Updated:
November 6, 2023**

**Prepared by:
D'Huy Engineering, Inc.**



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2023

BETHLEHEM AREA SCHOOL DISTRICT

BOARD OF SCHOOL DIRECTORS

MICHAEL E. FACCINETTO
PRESIDENT

SHANNON PATRICK
VICE PRESIDENT

FRANK PEARN, JR.
TREASURER

WINSTON ALOZIE
DR. KAREN BECK POOLEY
DR. DEAN DONAHER
MICHAEL RECCHIUTI

DR. KIM SHIVELY
EMILY SCHENKEL
DR. SILAGH WHITE

ADMINISTRATION

DR. JACK P. SILVA
SUPERINTENDENT OF SCHOOLS

HARRY ARISTAKESIAN
CHIEF FINANCIAL OFFICER

DR. MAUREEN LEESON
ASSISTANT SUPERINTENDENT FOR
EDUCATION / CHIEF ACADEMIC
OFFICER

DR. JOHN BURRUS
CHIEF HUMAN RESOURCES
OFFICER

CLAIR HOGAN
CHIEF PUPIL SERVICES OFFICER

MARIE BACHMAN
CHIEF TECHNOLOGY OFFICER

MARK STEIN
CHIEF FACILITIES & OPERATIONS OFFICER

KING, SPRY, HERMAN, FREUND & FAUL, LLC
SOLICITOR

TAB 1

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

Presented herein is the November 6, 2023, update of the Bethlehem Area School District Capital Improvements Plan originally presented on August 21, 1991.

For this update, a limited condition survey was performed of isolated areas. Also, the capital improvement items were reviewed by the maintenance staff and Administration.

- Tab 3 Recommendations Itemized by School or Facility.
- Tab 4 Recommendations Itemized by Priorities for the Selected Categories of Concrete Work, Floor Covering Work, Paving Work, and Athletic Facilities.
- Tab 5 Recommendations Itemized by Priority for All Work Other Than the Selected Categories of Concrete Work, Floor Covering Work, Paving Work, Athletic Facilities, Elevators.
- Tab 6 Summary of the Recommended Budget for Each School or Facility.

A table is presented which summarizes the costs for each school and establishes a total estimated budget.

In order to compare the recommended costs with the costs of totally renovating each of the facilities, the cost of total renovations is calculated at a rate of \$220 per square foot for each school or facility and is listed in Column 3. The costs of the recommended improvements are listed in Column 4 (taken from Tab 3). The ratio of cost for recommended work to cost for total renovation is calculated and listed as a percentage in Column 5. Where this percentage exceeds 60%, the District should consider total renovation or replacement as a viable approach since State reimbursement may be available for total renovation or replacement and there will be savings and efficiencies gained by combining the project scope. Although asbestos identification and recommendations involving asbestos were not a part of this study, the asbestos abatement updated report provided by the District was referred to and the estimated costs for asbestos abatement are included in the tabulation under Column 6. The cost of total renovation plus asbestos abatement is listed in Column 7, and the cost of the recommended items of work plus asbestos abatement is listed in Column 8. The total estimated budget with fees, contingency, etc. is listed in Column 9. This budget is determined by using either the value of Column 7 or Column 8. If the percent is equal to or less than 60%, the improvements cost from Column 8 is used; if the percentage is greater than 60%, the total renovation cost from Column 7 is used.

- Tab 7 Capital Improvement Projects Completed in 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023.

Tab 8	Summary of Recent Renovation and New Construction Projects. This highlights buildings that have undergone total renovation and also shows the new building area that has been added since 1991.
Tab 9	Recommendations Itemized By Priority For All Work Other Than the Buildings Slated for Major Construction Projects in the 10-Year Plan.
Tab 10	Is a Summary of the 10 Year Plan completed through 2023. In this Tab there is also a New Five-Year Plan for upkeep and preservation of the District's facilities assets. This plan identifies some of the larger projects.
Tab 11	Is a Summary of the July 2021 Asbestos Re-inspection. This report was prepared by Spotts, Stevens and McCoy and is included in this report for information purposes only.

It is the intent of D'Huy Engineering, Inc. that this update serves as a working document for the District. The priorities have been established using a logic matrix; however, the entries in the matrix are necessarily subjective. It is anticipated that these priorities may change after continued review by the Administration and Board. It is our hope that the District will continue to review and update the plan as funds become available for work to be performed. As work is completed and/or as additional items are identified in the future, the data can be updated to reflect a current situation at any time.

As the District considers long-range planning, it is important to remember that all the items in the Capital Improvements Plan must be addressed in order to maintain and upgrade the District's physical plant. The needs of schools and buildings not used as schools must also be considered in the long-range plan. A few of the facilities require total renovation, and there continues to be emergency needs such as water main breaks, masonry repairs, mechanical equipment failure, etc. Nonetheless, the work completed to date is clearly visible throughout the District.

In anticipation of the District's ongoing Capital Improvement Plan Program, a 10-year plan was developed (Tab 10). The Plan is based on numerous discussions with staff and the School Board at facilities meetings and it addressed the middle school and high school major construction projects in a phased sequence. The most recent 10-year plan is fully executed with the completion of the New Nitschmann Middle School in 2017. The District through the use of ESSER funds, has also completed the HVAC and infrastructure improvements at Miller Heights, Governor Wolf, Buchanan, Calypso, Spring Garden, Asa Packer, Farmersville, Freemansburg, and Hanover Elementary School.

In Tab 10 there is also the start of a New 5-Year Plan for upkeep and preservation of the School District's facilities. This initial plan identifies some of the larger projects and will require review and discussions at the staff and Board level to further refine and update it. The District has recently authorized the reconstruction of Fountain Hill Elementary School and began initial planning of Thomas Jefferson and William Penn Elementary School. The infrastructure needs of East Hills and Freedom High School are also on the plan. All these projects were submitted and approved for RACP funding itemization on the State Capital Budget. All of the projects listed, and funds assigned are subject to change based on the annual capital improvement update and the School Board's approval of funds.

TAB 2

**LOGIC MATRIX,
PRIORITY INDEX, AND LIST OF
CATEGORIES OF WORK**

BASD MASTER PLAN
LOGIC MATRIX FOR ASSIGNING PRIORITIES

RATING	PARAMETERS						
	SAFETY	EDUCATIONAL IMPACT	PHYSICAL CONDITIONS	DOMINO EFFECT	ECONOMIC IMPACT	AGE	ORIG. LIFE EXPECTANCY
5	UNSAFE NEEDS IMMEDIATE ATTENTION	CRITICAL WILL CAUSE SCHOOL TO BE CLOSED	CRITICAL NEEDS IMMEDIATE ATTENTION	GREATLY IMPACTS OTHER ELEMENTS	IMMEDIATE ACTION SAVES MUCH LATER	OVER 20 YEARS	LESS THAN 5 YEARS
4	NOT UNSAFE BUT NEEDS IMMEDIATE ATTENTION	SERIOUS DISRUPTION	VERY POOR ADDRESS PROMPTLY	MODERATE IMPACT TO OTHER ELEMENTS	PROMPT ACTION SAVES MUCH LATER	10 - 20 YEARS	5 - 10 YEARS
3	NEEDS PROMPT ATTENTION	MODERATE DISRUPTION	POOR SHOULD BE BUDGETED		PROMPT ACTION SAVES MODERATELY	5 - 10 YEARS	10 - 15 YEARS
2	SAFE BUT SHOULD BE BUDGETED	SLIGHT DISRUPTION	ACCEPTABLE COULD BE IMPROVED	SLIGHT IMPACT TO OTHER ELEMENTS	ACTION IN 3 YEARS SAVES MUCH	3 - 5 YEARS	15 - 20 YEARS
1	SAFE BUT WILL NEED WORK IN FUTURE	MINOR DISRUPTION TO SMALL GROUP	GOOD - WILL NEED WORK IN FUTURE		LITTLE SAVINGS	1 - 3 YEARS	20 - 30 YEARS
0	NO SAFETY HAZARD	NO DISRUPTION	EXCELLENT	NO IMPACT ON OTHER ELEMENTS	NO SIGNIFICANT IMPACT	LESS THAN 1 YEAR	OVER 30 YEARS
IMPORTANCE FACTORS	5	5	3	3	2	2	

PRIORITY = ((Sax5) + (Eix5) + (PCx3) + (ECx2) + (DEx3) + AG + LE)/10

MODIFIED DIVISOR IS 8
(FOR PRIORITY ADJUSTMENT)

PRIORITY INDEXING

Recommendations have been assigned a priority index which represents a degree of need. The priority indexing ranges from 2 to 10, with 10 representing the highest degree of need.

9, 10	Critical – should be addressed immediately
7, 8	Serious – should be addressed promptly
5, 6	Necessary – should be budgeted for
3, 4	Suggested to improve operations
2	Not presently essential – will likely need attention in the future
1	Provide handicapped accessibility
0	contingency, miscellaneous, and unidentified items

BASD MASTER PLAN

FACTORS AFFECTING PRIORITY RATINGS

- Age of specific plant facility component (including repairs and reconstruction).
- Use of specific plant facility component, e.g.:

<u>Usage</u>	<u>Priority</u>
Not in Use	Low
Leased	Medium
Occasional	High
Regular	Very High

- Built-in redundancies, e.g.:

<u>Redundancy</u>	<u>Priority</u>
2 Boilers	Low
1 Boiler	High

- Imminent danger/hazard to occupants from the existing condition of the plant component.
- Criticality of specific component in relation to functioning of overall facility, including consideration of effect on other plant components, e.g.:

<u>Component</u>	<u>Priority</u>
Roof	High
Curtain	Low

- Present physical condition at time of survey.
- Reported problems, including any repair history.
- Deficiencies in identified plan component as it relates to its intended use.
- Educational impact of deterioration, deficiency, or existing condition of specific plant component.
- Life cycle evaluation of present recommendation on projected life of specific plan component.
- Consideration of domino effect from failure of specific plan component.

**BETHLEHEM AREA SCHOOL DISTRICT
CAPITAL IMPROVEMENTS PLAN**

CATEGORIES OF WORK

<u>CATEGORY</u>	<u>DESCRIPTION</u>
AF	ATHLETIC FACILITIES
B	BOILER REPLACEMENT
CO	CONCRETE WORK
CA	CAULKING
CN	CONTINGENCY
CT	CEILING TILE
D	DOORS
ED	EXTERIOR DOORS
EL	IMPROVE EXTERIOR LIGHTING
EP	EXTERIOR PAINT
ES	UPGRADE ELECTRICAL SERVICE
EV	ELEVATOR
FA	FIRE ALARM/CAMERAS
FC	FLOOR CARPET
FT	FLOOR TILE
FTK	FUEL TANK
GL	GLASS REPLACEMENT
HA	PROVIDE HANDICAPPED ACCESSIBILITY
HV	HEATING, VENTILATION, AIR CONDITIONING,CONTROLS
IC	UPGRADE INTERCOM
ID	INTERIOR DOORS
IL	IMPROVE INTERIOR LIGHTING
IP	INTERIOR PAINT
L	LANDSCAPING
M	MASONRY
P	PLUMBING
PA	PAVING WORK
PK	ADDITIONAL PARKING
PS	PROPERTY SURVEYS
R	ROOF WORK
SC	STAGE REPAIRS
SL	STUDENT LOCKERS
SS	STORM SYSTEMS
TR	TOILET ROOMS
UN	UNCATEGORIZED
WR	WINDOW REPLACEMENT/REPAIR
WS	WINDOW SHADES, BLINDS, DRAPES

TAB 3

**RECOMMENDATIONS ITEMIZED
BY SCHOOL OR FACILITY**

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 6, 2023

2023											
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Asa Packer										
Asa Packer	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 69,300	FA
Asa Packer	Provide additional outlets in M.P. Room	2	4	3	1	2	4	1	6	\$ 30,229	ES
Asa Packer	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 131,250	ID
Asa Packer	Regrade play area at east end for drainage	2	2	4	2	2	5	1	6	\$ 49,560	L
Asa Packer	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 200,104	ES
Asa Packer	Repair cracks & paint Multi-Purpose Room walls	1	2	3	2	2	5	4	5	\$ 26,959	IP
Asa Packer	Improve exterior lighting	2	2	3	0	0	5	2	5	\$ 118,919	EL
Asa Packer	Replace folding partition in Multi-Purpose Room	2	1	3	0	1	5	4	4	\$ 148,681	UN
Asa Packer	Renovate stage area: curtains & lighting	1	1	2	0	0	5	2	3	\$ 183,750	SC
Asa Packer	Contingency, miscellaneous & unidentified items								0	\$ 153,777	CN
Asa Packer	Improve handicapped accessibility								0	\$ 191,896	HA
									TOTAL	\$ 1,304,424	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 6, 2023

		2023									
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Broughal										
Broughal	Renovate the grass athletic field	2	2	3	2	2	3	3	6	\$ 214,830	AF
Broughal	Paint interior of the building	0	2	3	2	4	3	0	5	\$ 531,300	IP
Broughal	NEW BUILDING Completed in 2009	0	0	0	0	0	0	0	0	\$ -	
									TOTAL	\$ 746,130	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 6, 2023

										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Buchanan											
Buchanan	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA	
Buchanan	Replace sidewalk and curbs along Catasauqua Road	3	2	2	3	4	3	2	7	\$ 27,206	CO	
Buchanan	Repair and recoat roof for extended warranty (2018)	2	2	4	4	3	2	1	7	\$ 208,961	R	
Buchanan	Patch and seal bituminous paving	2	2	2	2	5	3	2	6	\$ 53,361	PA	
									TOTAL	\$ 393,478		

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 6, 2023

										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Calypso											
Calypso	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA	
Calypso	Replace sidewalk and curbs	3	2	3	3	4	3	2	7	\$ 59,472	CO	
Calypso	Regrade and provide storm water catch basin at playground southwest corner	3	2	3	3	3	2	2	7	\$ 37,786	SS	
Calypso	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 200,104	ID	
Calypso	Seal all masonry walls and caulking	2	1	1	5	4	3	4	6	\$ 35,683	M	
Calypso	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 46,691	PA	
									TOTAL	\$ 466,360		

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 6, 2023

		2023								PRIORITY	COST	CATEGORY
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE				
	Clearview											
Clearview	Interior and exterior security camera upgrades	3	3	3	3	3	3	3		8	\$ 86,625	FA
Clearview	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1		7	\$ 345,726	R
Clearview	Seal bituminous paving	2	2	2	2	5	3	2		6	\$ 73,371	PA
Clearview	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2		5	\$ 290,955	IL
Clearview	Paint interior of building	0	2	3	2	4	3	0		5	\$ 127,050	IP
Clearview	RENOVATION Completed in 2000	0	0	0	0	0	0	0		0	\$ -	
										TOTAL	\$ 923,727	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 6, 2023

2023											
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Donegan										
Donegan	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 138,600	FA
Donegan	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 73,371	PA
Donegan	Repair and re-coat roof for extended warranty (2021)	2	2	2	3	4	2	1	6	\$ 261,469	R
Donegan	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 375,597	IL
Donegan	Paint interior of building	0	2	3	2	4	3	0	5	\$ 164,010	IP
Donegan	Replace classroom signage	0	2	3	2	4	3	0	5	\$ 21,656	UN
Donegan	NEW BUILDING Completed in 2001	0	0	0	0	0	0	0	0	\$ -	
									TOTAL	\$ 1,034,703	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 6, 2023

2023											
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	East Hills										
East Hills	Install digital control system for HVAC (partially completed in 2017)	2	3	3	3	3	5	2	7	\$ 1,100,571	HV
East Hills	Replace emergency generator and transfer switch	3	2	3	3	3	5	2	7	\$ 426,888	ES
East Hills	Replace HVAC unit in Faculty Planning and Waiting Rooms	2	3	4	2	2	5	3	7	\$ 186,764	HV
East Hills	Install air handler for room 110 Special Ed./Reading	2	3	3	3	2	5	1	7	\$ 200,104	HV
East Hills	Replace air handlers in original building (partially completed in 2017)	2	3	3	3	1	5	2	7	\$ 4,669,088	HV
East Hills	Replace grease traps and sanitary pump	2	3	3	3	1	5	2	7	\$ 116,877	P
East Hills	Replace exterior lighting	3	3	3	2	0	5	2	7	\$ 100,052	EL
East Hills	Replace cafeteria make-up air unit	2	3	3	3	1	5	2	7	\$ 220,114	HV
East Hills	Repair corridor quarry tile in isolated areas	3	3	3	1	1	5	2	6	\$ 32,116	FT
East Hills	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 266,805	ID
East Hills	Provide hot water in Home Economics area	3	3	4	0	1	5	0	6	\$ 60,031	P
East Hills	Upgrade athletic fields including track repairs	2	3	2	2	3	4	1	6	\$ 867,116	AF
East Hills	Renovations to 6th & 7th grade restrooms	2	2	2	3	3	5	2	6	\$ 426,888	TR
East Hills	Seal paved areas gymnasium lot and rear drive	2	2	2	2	5	3	2	6	\$ 80,042	PA
East Hills	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 773,139	ES
East Hills	Remove & replace concrete sidewalk	2	2	2	2	3	5	1	6	\$ 97,138	CO
East Hills	Remove & replace concrete curb (linear & radius)	2	2	2	2	3	5	1	6	\$ 59,472	CO
East Hills	Replace wall covering in Auditorium	3	2	3	0	0	5	2	5	\$ 55,509	IP
East Hills	Replace casework	3	2	3	0	0	5	2	5	\$ 953,828	UN
East Hills	Repoint stone walls at main entry	2	0	3	2	4	5	1	5	\$ 75,330	M
East Hills	Repair auditorium entry limestone columns	2	0	3	2	4	5	1	5	\$ 57,750	M
East Hills	Replace interior lighting (improve energy savings, partially completed in 2017)	2	1	2	1	4	4	2	5	\$ 768,653	IL
East Hills	Renovate stage area, curtains, lighting and replace auditorium seats	2	2	3	0	0	5	3	5	\$ 867,116	SC
East Hills	Interior Painting (Café, gym, hallways & lavs)	0	2	3	2	4	3	0	5	\$ 150,150	IP
East Hills	Replace student lockers	2	2	2	0	0	5	1	4	\$ 352,183	SL
East Hills	Repair floor cracks in Room 204	2	1	3	0	1	5	1	4	\$ 9,317	UN
East Hills	Replace or repair ceiling tiles (partially completed in 2017)	1	2	3	0	0	5	1	4	\$ 440,228	CT
East Hills	Provide additional sound baffles in Cafeteria	0	2	2	0	0	5	1	3	\$ 39,649	UN
East Hills	Replace metal fascia panels at kitchen loading area	1	0	2	0	1	5	1	2	\$ 56,641	R
East Hills	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 13,876	PS
East Hills	Repair masonry	0	0	2	0	1	5	1	2	\$ 47,200	M
East Hills	Upgrade handicapped accessibility								0	\$ 99,121	HA
East Hills	Contingency, miscellaneous & unidentified items								0	\$ 249,009	CN
									TOTAL	\$ 13,918,763	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 6, 2023

2023											
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Education Ctr.										
Education Ctr	Replace slate roof portion	2	3	4	4	4	5	0	8	\$ 110,250	R
Education Ctr	Replace windows in 1971 addition	2	3	4	2	4	5	2	7	\$ 120,000	WR
Education Ctr	Point exterior masonry and repairs	1	2	4	4	3	5	2	7	\$ 347,486	M
Education Ctr	Lobby modifications & elevator	3	3	3	1	2	5	1	7	\$ 1,100,571	HA
Education Ctr	Upgrade ATC controls to Metasys and replace HVAC	2	2	4	3	2	3	2	6	\$ 2,668,050	HV
Education Ctr	Replace windows in original building	1	3	3	2	3	5	2	6	\$ 425,000	WR
Education Ctr	Replace carpet	2	3	4	1	1	4	2	6	\$ 75,520	FC
Education Ctr	Remove & replace concrete sidewalk & flatwork	2	2	2	2	3	5	1	6	\$ 92,512	CO
Education Ctr	Regrade and replace sidewalk at N.E. side of building	2	2	2	2	3	5	1	6	\$ 52,864	CO
Education Ctr	Replace interior doors	1	2	4	1	1	5	1	5	\$ 128,858	ID
Education Ctr	Replace interior lighting and ceilings (improve energy savings)	2	1	2	1	4	4	2	5	\$ 360,000	IL
Education Ctr	Improve exterior lighting	2	2	3	0	0	5	2	5	\$ 49,560	EL
Education Ctr	Provide new window shades, blinds, etc.	2	2	2	0	0	5	2	4	\$ 39,649	WS
Education Ctr	Caulk all masonry joints	1	0	3	2	2	5	1	4	\$ 52,337	M
Education Ctr	Contingency, miscellaneous & unidentified items								0	\$ 247,346	CN
									TOTAL	\$ 5,870,001	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 6, 2023

										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Farmersville											
Farmersville	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA	
Farmersville	Replace clock system and intercom	3	3	3	3	3	3	3	8	\$ 69,300	UN	
Farmersville	Replace grease trap at kitchen	2	3	4	3	2	4	3	7	\$ 25,000	P	
Farmersville	wing	2	1	1	5	4	3	4	6	\$ 186,764	M	
Farmersville	Paving repairs and seal coating	2	2	2	2	5	3	2	6	\$ 300,156	PA	
									TOTAL	\$ 685,169		

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 6, 2023

2023											
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Fountain Hill										
Fountain Hill	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 155,925	FA
Fountain Hill	Renovate toilet rooms and replace piping	3	3	4	2	2	5	2	7	\$ 680,153	TR
Fountain Hill	Replace and upgrade HVAC System	2	3	4	3	1	5	1	7	\$ 8,270,955	HV
Fountain Hill	Replace steam boilers	3	3	3	2	1	5	2	7	\$ 800,415	HV
Fountain Hill	Replace exterior doors	3	2	4	2	2	5	2	7	\$ 218,064	ED
Fountain Hill	Provide stage light dimming system	2	3	4	2	2	5	2	7	\$ 146,743	IL
Fountain Hill	Improve exhaust in bathrooms	2	3	4	2	2	5	2	7	\$ 106,722	TR
Fountain Hill	Replace fire alarm system	2	3	2	3	3	5	2	7	\$ 273,475	FA
Fountain Hill	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 80,042	ID
Fountain Hill	Upgrade electrical distribution system and replace lighting	2	3	3	3	1	4	1	6	\$ 960,498	ES
Fountain Hill	Replace floor carpeting in various areas	3	2	3	2	1	4	3	6	\$ 219,160	FC
Fountain Hill	Repair window seals/replace and caulk all joints	2	3	3	2	1	5	2	6	\$ 148,681	WR
Fountain Hill	Provide water coolers	2	2	4	2	2	5	2	6	\$ 39,649	UN
Fountain Hill	Provide additional outlets in classrooms	2	3	2	2	1	5	3	6	\$ 138,767	ES
Fountain Hill	Overlay bituminous paving	2	2	2	2	5	3	2	6	\$ 113,392	PA
Fountain Hill	Renovate Cafeteria and Kitchen	2	3	2	2	1	5	3	6	\$ 1,133,921	UN
Fountain Hill	Renovate Gymnasium and Stage	2	3	2	2	1	5	3	6	\$ 600,311	UN
Fountain Hill	Landscape & fence steep embankment	2	2	3	2	2	5	1	6	\$ 49,560	L
Fountain Hill	Replace ceiling tiles	3	2	3	0	1	5	2	5	\$ 333,506	CT
Fountain Hill	Repair plaster ceiling on 3rd floor	3	2	3	0	1	5	2	5	\$ 66,701	CT
Fountain Hill	Repair stone wall and fencing	3	1	3	0	3	5	1	5	\$ 87,665	M
Fountain Hill	Replace intercom system add additional speakers	2	2	2	2	1	3	2	5	\$ 102,720	IC
Fountain Hill	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 433,787	IL
Fountain Hill	Provide new window shades, blinds, etc.	2	3	2	0	0	5	2	5	\$ 43,018	WS
Fountain Hill	Renovate stage area	2	2	2	0	0	5	2	4	\$ 173,423	SC
Fountain Hill	Re-paint concrete in sheltered play areas	1	2	2	0	0	5	2	4	\$ 17,841	EP
Fountain Hill	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 13,876	PS
Fountain Hill	Contingency, miscellaneous & unidentified items	0	0	0	0	0	0	0	0	\$ 214,636	CN
Fountain Hill	Handicapped accessibility, including stair lift	0	0	0	0	0	0	0	0	\$ 262,500	HA
									TOTAL	\$ 15,886,106	

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		2023											
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY		
	Freedom												
Freedom	Replace boilers, pumps, and controls in original mechanical room	4	4	4	3	4	5	3	10	\$ 800,000	HV		
Freedom	Install hot/chilled water piping filter system including flushing and water treatment	3	3	4	4	4	4	3	9	\$ 225,000	HV		
Freedom	Replace Water Heaters in 2005 addition	4	3	5	4	1	4	3	9	\$ 250,000	P		
Freedom	Replace synthetic turf at athletic field (partial cost covered by manufacturer warranty)	3	2	3	3	4	3	4	7	\$ 400,000	AF		
Freedom	Upgrade fire alarm system panel	2	4	3	2	3	5	2	7	\$ 128,066	FA		
Freedom	Replace interior doors in central lobby (8 locations)	4	2	3	2	1	5	1	7	\$ 211,603	D		
Freedom	Repair/replace student lockers	3	3	3	2	1	5	1	7	\$ 377,602	SL		
Freedom	Provide redundant UPS system for Network Center	2	3	2	3	3	4	2	7	\$ 397,427	ES		
Freedom	Renovate toilet rooms in original building	2	2	3	3	3	5	2	6	\$ 250,000	HV		
Freedom	Install roof coating on Siplast roof areas	2	2	3	3	3	4	3	6	\$ 755,726	R		
Freedom	Replace roof on wrestling room	2	2	3	3	3	4	3	6	\$ 140,073	R		
Freedom	Replace all HVAC equipment and controls in original building	2	2	3	3	3	5	2	6	\$ 5,336,100	HV		
Freedom	Replace chillers, pumps and piping in original building mechanical room	2	2	3	3	3	5	2	6	\$ 2,312,310	HV		
Freedom	Renovate pool locker rooms	2	2	4	2	2	5	2	6	\$ 509,760	AF		
Freedom	Replace air handlers/U.V.'s in original building	2	3	3	2	1	5	2	6	\$ 15,007,781	HV		
Freedom	Overlay bituminous paved areas at east and west lot	2	2	2	2	5	3	2	6	\$ 480,249	PA		
Freedom	Remove & replace concrete sidewalk	2	2	3	2	3	5	1	6	\$ 39,649	CO		
Freedom	Remove & replace concrete flatwork	2	2	3	2	3	5	1	6	\$ 89,210	CO		
Freedom	Replace ceiling tiles	2	2	4	2	1	5	2	6	\$ 719,039	CT		
Freedom	Repair and repoint masonry (15%) (exterior brick walls)	2	1	4	2	3	5	2	6	\$ 115,574	M		
Freedom	Renovate auditorium	2	2	3	2	2	5	1	6	\$ 2,818,200	UN		
Freedom	Storm drainage system upgrades in field areas	3	1	2	2	3	5	1	6	\$ 317,406	SS		
Freedom	Repair or replace water coolers	2	2	3	2	1	5	2	6	\$ 49,560	P		
Freedom	Repoint stone wall	3	1	3	0	4	5	1	5	\$ 39,649	M		
Freedom	Upgrade building exhaust (allowance)	2	2	2	2	1	5	2	5	\$ 133,403	HV		
Freedom	Provide new window shades, blinds, etc.	2	2	4	0	0	5	2	5	\$ 72,951	WS		
Freedom	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 1,506,916	IL		
Freedom	Install restrooms at synthetic turf field	2	1	3	1	1	5	1	4	\$ 333,506	TR		
Freedom	Install restrooms at field house	2	1	3	1	1	5	1	4	\$ 400,208	TR		
Freedom	Add classroom electrical outlets	2	2	3	0	0	5	0	4	\$ 160,083	ES		
Freedom	Add field house building at turf field	2	2	2	1	1	2	1	4	\$ 249,480	AF		
Freedom	Add additional bleachers at turf field	2	2	2	1	1	2	1	4	\$ 69,300	AF		
Freedom	Repair cracks in wall adj to Rooms 116, 115, 212, & 213	2	1	3	0	1	5	2	4	\$ 32,116	M		
Freedom	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 13,876	PS		
Freedom	Improve handicapped accessibility								0	\$ 148,681	HA		
Freedom	Contingency, miscellaneous & unidentified items								0	\$ 326,418	CN		
									TOTAL	\$ 35,216,921			

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Freemansburg											
Freemansburg	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA	
Freemansburg	Install underdrain in parking area	3	2	3	4	4	3	2	7	\$ 89,210	SS	
Freemansburg	Repair and recoat roof (Area A) for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 105,655	R	
Freemansburg	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 146,743	ID	
Freemansburg	Expand front parking area	2	2	2	2	5	3	2	6	\$ 36,275	PA	
Freemansburg	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 124,732	PA	
									TOTAL	\$ 606,564		

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											2023	
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Governor Wolf											
Governor Wolf	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA	
Governor Wolf	Miscellaneous masonry repairs, caulking and water proofing	2	2	3	4	4	3	1	7	\$ 37,786	M	
Governor Wolf	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 80,709	PA	
									TOTAL	\$ 205,120		

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		2023									
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Hanover										
Hanover	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA
Hanover	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 66,531	PA
Hanover	Interior painting	0	2	3	2	4	3	0	5	\$ 70,455	IP
									TOTAL	\$ 223,611	

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Lafayette											
Lafayette	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 33,986	PA	
Lafayette	Install outfield fence	2	2	2	1	1	2	1	4	\$ 44,468	L	
Lafayette	Demolition & site work completed in 2002	0	0	0	0	0	0	0	0	\$ -		
									TOTAL	\$ 78,453		

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Liberty Class											
Liberty Class	Replace boilers and pumps	3	3	3	3	3	5	2	8	\$ 476,438	HV	
Liberty Class	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 139,406	R	
Liberty Class	Recaulk all exterior masonry joints & windows and seal masonry	2	2	2	3	3	4	3	6	\$ 131,250	M	
Liberty Class	Capital Improvements completed in 2008	0	0	0	0	0	0	0	0	\$ -		
									TOTAL	\$ 747,094		

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											2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY		
	Liberty Com												
Liberty Com	Crowd control doors for separation of Student Activity area	3	3	3	3	3	3	2	7	\$ 120,062	D		
Liberty Com	Repair / replace concrete sidewalks	3	2	3	2	3	4	2	7	\$ 105,803	CO		
Liberty Com	Install doors at all gang bathrooms throughout	2	2	3	3	2	4	3	6	\$ 150,000	D		
Liberty Com	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 404,250	ID		
Liberty Com	Resurface bus loop, teacher's lot and miscellaneous paving	2	2	3	2	4	5	2	6	\$ 266,805	PA		
Liberty Com	Repairs to walkway bridge at Classroom Ctr.	2	2	3	2	3	4	2	6	\$ 173,423	M		
Liberty Com	Recaulk all exterior masonry	2	2	2	3	3	4	3	6	\$ 157,500	M		
Liberty Com	Renovated in 2008	0	0	0	0	0	0	0	0	\$ -			
									TOTAL	\$ 1,377,843			

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Liberty Lab											
Liberty Lab	Replace all HVAC equipment	2	2	4	4	3	5	2	7	\$ 6,121,500	HV	
Liberty Lab	Replace all HVAC controls	2	2	3	3	3	5	2	6	\$ 1,155,000	HV	
Liberty Lab	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 37,786	M	
Liberty Lab	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 402,084	IL	
Liberty Lab	RENOVATION Completed in 1998	0	0	0	0	0	0	0	0	\$ -		
									TOTAL	\$ 7,716,370		

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Lincoln											
Lincoln	Internal and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA	
Lincoln	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 386,925	R	
Lincoln	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 37,786	M	
Lincoln	Repair/replace front bus loop sidewalks	2	2	2	3	3	4	3	6	\$ 86,625	CO	
Lincoln	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 46,834	PA	
Lincoln	Seal masonry and replace select glazed block	2	2	2	2	4	2	1	5	\$ 60,458	M	
Lincoln	Remove oil tank	3	2	2	1	2	3	2	5	\$ 46,200	FTK	
Lincoln	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 330,000	IL	
Lincoln	Interior painting	0	2	3	2	4	3	0	5	\$ 125,202	IP	
Lincoln	NEW BUILDING Completed in 2000	0	0	0	0	0	0	0	0	\$ -		
									TOTAL	\$ 1,223,980		

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Maintenance											
Maintenance	Interior and exterior camera upgrades	3	3	3	3	3	3	3	8	\$ 34,650	FA	
Maintenance	Add access control	3	3	3	3	3	3	3	8	\$ 17,325	FA	
Maintenance	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 102,720	R	
Maintenance	Install fire alarm system/smoke detectors	3	1	3	3	3	4	1	6	\$ 52,901	FA	
Maintenance	Remove & replace concrete curb & sidewalk	3	1	3	2	3	4	1	6	\$ 49,560	CO	
Maintenance	Reconstruct bituminous paving at rear	2	1	4	0	4	4	3	5	\$ 84,959	PA	
Maintenance	Replace lighting (energy)	2	1	2	1	4	4	2	5	\$ 110,880	IL	
Maintenance	Install emergency generator, lighting and exit signs	2	1	3	0	0	5	3	4	\$ 266,805	ES	
Maintenance	Perform property survey & set corner pins	0	0	5	0	0	5	0	3	\$ 6,939	PS	
Maintenance	Contingency, miscellaneous & unidentified items	0	0	0	0	0	0	0	0	\$ 39,649	CN	
									TOTAL	\$ 766,389		

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Marvine											
Marvine	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 127,974	FA	
Marvine	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 37,786	M	
Marvine	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 76,306	PA	
Marvine	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 293,070	IL	
Marvine	Interior painting	0	2	3	2	4	3	0	5	\$ 110,880	IP	
Marvine	NEW BUILDING Completed in 2001	0	0	0	0	0	0	0	0	\$ -		
									TOTAL	\$ 646,016		

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Miller Heights											
Miller Heights	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA	
Miller Heights	Repair chimney and miscellaneous masonry repairs and caulking classroom	2	2	3	4	4	3	1	7	\$ 52,901	M	
Miller Heights	Replace grease interceptor in kitchen	2	3	4	3	2	4	3	7	\$ 25,000	P	
Miller Heights	Repair and recoat roof for extended warranty (2019) at addition	2	2	4	4	3	2	1	7	\$ 56,936	R	
Miller Heights	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 95,383	PA	
Miller Heights	Interior painting	0	2	3	2	4	3	0	5	\$ 117,810	IP	
									TOTAL	\$ 434,655		

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	Nitschmann											
Nitschmann	NEW BUILDING Completed in 2017	0	0	0	0	0	0	0	0	\$ -		
									TOTAL	\$ -		

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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Northeast										
Northeast	Replace (1) HRU at Gym locker rooms	3	3	4	4	3	4	3	8	\$ 130,000	HV
Northeast	Chiller replacement (future)	2	3	2	3	2	4	2	6	\$ 1,050,000	HV
Northeast	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 95,383	PA
Northeast	Caulk and seal all exterior masonry	2	2	2	2	5	3	2	6	\$ 200,104	M
Northeast	Chiller wall ventilation/repairs	2	2	2	2	3	3	3	6	\$ 63,000	M
Northeast	Interior painting	0	2	3	2	4	3	0	5	\$ 431,970	IP
Northeast	New Building complete 2005	0	0	0	0	0	0	0	0	\$ -	
									TOTAL	\$ 1,970,457	

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
	SPARK (Pre-K)											
SPARK (Pre-K)	Replace lighting with electronic ballast lights	2	2	2	2	4	5	1	6	\$ 175,000	IL	
SPARK (Pre-K)	Plumbing isolation valve & wall hydrant replacement including back flow preventer	2	2	3	2	1	4	2	5	\$ 57,213	P	
SPARK (Pre-K)	Replace boiler, air handler and install ATC controls	2	2	2	2	1	5	1	5	\$ 956,000	HV	
SPARK (Pre-K)	Replace panelboard for HVAC equipment	2	2	2	2	1	5	1	5	\$ 65,387	ES	
SPARK (Pre-K)	Replace fire alarm system	2	2	2	2	1	5	1	5	\$ 73,560	UN	
SPARK (Pre-K)	Replace parking lot lights	1	1	2	2	1	5	1	4	\$ 45,768	EL	
									TOTAL	\$ 1,372,927		

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2023											
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Spring Garden										
Spring Garden	Install ADA compliant stage lift	4	3	3	4	1	5	2	8	\$ 80,000	HA
Spring Garden	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 128,205	FA
Spring Garden	Remove and replace VCT in corridor	3	3	3	2	3	5	2	7	\$ 151,146	FT
Spring Garden	Reconstruct miscellaneous concrete work at entrances	3	3	3	2	3	5	1	7	\$ 45,344	CO
Spring Garden	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 86,284	R
Spring Garden	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 93,382	ID
Spring Garden	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 118,944	PA
Spring Garden	Install stage light dimming system	1	1	2	2	1	1	2	3	\$ 118,944	SC
									TOTAL	\$ 822,249	

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2023											
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Stad-Mem Gym										
Stad-Mem Gym	Grandstand concrete stair replacement	5	2	5	3	3	5	3	9	\$ 1,176,000	CO
Stad-Mem Gym	Replace domestic hot water system at field house	4	3	5	4	1	5	2	9	\$ 228,690	P
Stad-Mem Gym	STADIUM-Repair concrete walls around stadium	2	2	4	2	3	5	2	6	\$ 604,580	AF
Stad-Mem Gym	Replace stadium ADA lift	2	2	4	2	3	5	2	6	\$ 63,525	UN
Stad-Mem Gym	MEM GYM-Repoint exterior masonry	2	1	3	2	3	5	2	5	\$ 80,915	M
Stad-Mem Gym	Improve handicapped accessibility at Stadium (additional - phase 2)								0	\$ 495,599	HA
Stad-Mem Gym	Contingency, miscellaneous & unidentified items								0	\$ 338,914	CN
									TOTAL	\$ 2,988,223	

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											2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY		COST	CATEGORY	
	T. Jefferson												
T. Jefferson	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$	86,625	FA	
T. Jefferson	Replace windows	2	3	3	3	3	5	3	7	\$	187,335	WR	
T. Jefferson	Repair/replace exterior masonry wall panels	3	2	4	2	3	5	3	7	\$	349,280	M	
T. Jefferson	Replace multi-zone HVAC units	2	4	3	3	2	3	2	7	\$	4,268,880	HV	
T. Jefferson	Install additional exterior hand rails	4	2	3	2	1	5	3	7	\$	37,759	UN	
T. Jefferson	Repair asphalt edging at playground embankment	3	2	3	2	3	4	3	7	\$	53,361	PA	
T. Jefferson	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$	66,701	ID	
T. Jefferson	Replace spalled brick	2	1	3	4	3	5	3	6	\$	49,560	M	
T. Jefferson	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$	62,444	ES	
T. Jefferson	Re-seed lawn areas and landscape	2	2	3	2	2	5	3	6	\$	39,649	L	
T. Jefferson	Repair cracks in exterior brick masonry	2	1	3	2	3	5	3	6	\$	29,141	M	
T. Jefferson	Improve exterior lighting	3	2	4	0	0	5	2	6	\$	40,021	EL	
T. Jefferson	Replace plumbing fixtures and renovate toilets	3	2	4	0	0	5	2	6	\$	266,805	P	
T. Jefferson	Renovate Kitchen	3	2	4	0	0	5	2	6	\$	266,805	UN	
T. Jefferson	Renovate multi-purpose room	3	2	4	0	0	5	2	6	\$	333,506	UN	
T. Jefferson	Replace exterior caulking	2	1	3	2	3	5	3	6	\$	31,322	CA	
T. Jefferson	Replace exterior doors	2	2	3	0	1	5	3	5	\$	114,583	ED	
T. Jefferson	Replace chalk & tack boards	2	2	1	2	1	5	1	5	\$	52,138	UN	
T. Jefferson	Resurface bituminous paving	2	1	4	0	2	1	4	5	\$	60,031	PA	
T. Jefferson	Provide new window shades, blinds, etc.	2	2	2	0	0	5	3	4	\$	31,720	WS	
T. Jefferson	Provide stage dimming system	2	1	2	1	1	3	2	4	\$	69,369	IL	
T. Jefferson	Perform property survey & set corner pins	0	0	4	0	0	5	1	2	\$	14,671	PS	
T. Jefferson	Improve handicapped accessibility, including elevator								0	\$	600,000	HA	
T. Jefferson	Contingency, miscellaneous & unidentified items								0	\$	100,111	CN	
									TOTAL	\$	7,211,817		

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

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November 6, 2023

										2023	
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Transportation Fac.										
Transportation Fac.	Replace fencing around entire area	3	2	4	2	3	4	2	7	\$ 204,045.77	UN
Transportation Fac.	Install fire alarm system	2	2	3	2	2	4	2	6	\$ 60,000.00	FA
Transportation Fac.	Resurface parking lots	2	2	3	2	2	4	2	6	\$ 426,888.00	PA
Transportation Fac.	Install site drainage southeast corner of bus lot	2	2	3	2	2	4	2	6	\$ 92,400.00	SS
Transportation Fac.	Repair asphalt driveway to depot	2	2	3	2	2	4	2	6	\$ 231,000.00	PA
Transportation Fac.	Replace roof, out of warranty	2	2	3	2	1	4	1	5	\$ 368,734.91	R
Transportation Fac.	Install Metasys Controls on two RTU's	2	2	2	2	2	3	2	5	\$ 84,959.49	HV
									TOTAL	\$ 1,468,028	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

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November 6, 2023

2023											
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	William Penn										
William Penn	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA
William Penn	Replace exhaust fan in health suite	3	2	4	3	3	5	2	7	\$ 37,759	HV
William Penn	Replace playground fence fabric	4	3	3	2	2	3	2	7	\$ 84,959	UN
William Penn	Improve stage lighting	3	3	4	2	2	5	2	7	\$ 75,520	IL
William Penn	Repair cracks & install control joints in ext. masonry	3	3	3	2	3	5	2	7	\$ 79,098	M
William Penn	Repair/replace exterior masonry panels	3	2	4	2	3	5	3	7	\$ 339,840	M
William Penn	Replace multi-zone HVAC units	2	4	3	3	2	3	2	7	\$ 4,268,880	HV
William Penn	Replace ext. doors	3	3	4	0	2	5	2	7	\$ 114,583	ED
William Penn	Provide sound attenuation adjacent to cafeteria	3	3	4	0	1	5	2	6	\$ 22,656	UN
William Penn	Re-coat existing roof	2	2	3	3	3	4	3	6	\$ 196,490	R
William Penn	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 66,701	ID
William Penn	Replace window units	2	2	3	2	4	5	2	6	\$ 187,335	WR
William Penn	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 62,444	ES
William Penn	Replace plumbing and renovate toilets	2	3	2	2	1	5	3	6	\$ 266,805	P
William Penn	Renovate Kitchen	2	3	2	2	1	5	3	6	\$ 266,805	UN
William Penn	Renovate multi-purpose room	2	3	2	2	1	5	3	6	\$ 333,506	UN
William Penn	Resurface paving	2	3	2	2	1	5	3	6	\$ 240,125	PA
William Penn	Provide shades or blinds at east & west windows	2	3	4	0	0	5	3	6	\$ 21,805	WS
William Penn	Replace exterior caulking	2	1	3	2	3	5	3	6	\$ 31,325	CA
William Penn	Replace or repair spalled brick in ext. masonry (15%)	2	1	3	2	3	5	2	5	\$ 83,263	M
William Penn	Improve exterior lighting	3	2	3	0	0	5	2	5	\$ 37,759	EL
William Penn	Replace concrete walks	2	2	2	2	0	5	2	5	\$ 52,138	CO
William Penn	Replace chalk and tack boards with whiteboards	2	2	1	2	1	5	1	5	\$ 52,138	UN
William Penn	Regrade and landscape areas	2	2	2	0	2	4	2	5	\$ 20,815	L
William Penn	Replace water coolers	2	2	2	0	1	5	2	4	\$ 20,815	P
William Penn	Provide new window shades, blinds, etc.	2	2	2	0	0	5	3	4	\$ 31,917	WS
William Penn	Provide stage dimming system	2	1	2	1	1	3	2	4	\$ 69,369	IL
William Penn	Replace brown colored chalkboard with whiteboards	1	1	2	0	0	5	2	3	\$ 31,322	UN
William Penn	Perform property survey & set corner pins	0	0	4	0	0	5	1	2	\$ 14,671	PS
William Penn	Contingency, miscellaneous & unidentified items								0	\$ 95,948	CN
William Penn	Improve handicapped accessibility, including elevator								0	\$ 600,000	HA
									TOTAL	\$ 7,893,418	
									GRAND TOTAL	\$ 114,199,001	

TAB 4

**RECOMMENDATIONS ITEMIZED
BY PRIORITIES FOR THE
SELECTED CATEGORIES OF
CONCRETE WORK, FLOOR
COVERING WORK, PAVING
WORK, ATHLETIC FACILITIES**

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SELECTED CATEGORIES

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November 6, 2023

2023											
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Broughal	Renovate the grass athletic field	2	2	3	2	2	3	3	6	\$ 214,830	AF
East Hills	Upgrade athletic fields including track repairs	2	3	2	2	3	4	1	6	\$ 867,116	AF
Freedom	Replace synthetic turf at athletic field (partial cost covered by manufacturer warranty)	3	2	3	3	4	3	4	7	\$ 400,000	AF
Freedom	Renovate pool locker rooms	2	2	4	2	2	5	2	6	\$ 509,760	AF
Freedom	Add field house building at turf field	2	2	2	1	1	2	1	4	\$ 249,480	AF
Freedom	Add additional bleachers at turf field	2	2	2	1	1	2	1	4	\$ 69,300	AF
Stad-Mem Gym	STADIUM-Repair concrete walls around stadium	2	2	4	2	3	5	2	6	\$ 604,580	AF
									TOTAL	\$ 2,915,067	
Buchanan	Replace sidewalk and curbs along Catasaugua Road	3	2	2	3	4	3	2	7	\$ 27,206	CO
Calypso	Replace sidewalk and curbs	3	2	3	3	4	3	2	7	\$ 59,472	CO
East Hills	Remove & replace concrete sidewalk	2	2	2	2	3	5	1	6	\$ 97,138	CO
East Hills	Remove & replace concrete curb (linear & radius)	2	2	2	2	3	5	1	6	\$ 59,472	CO
Education Ctr	Remove & replace concrete sidewalk & flatwork	2	2	2	2	3	5	1	6	\$ 92,512	CO
Education Ctr	Regrade and replace sidewalk at N.E. side of building	2	2	2	2	3	5	1	6	\$ 52,864	CO
Freedom	Remove & replace concrete sidewalk	2	2	3	2	3	5	1	6	\$ 39,649	CO
Freedom	Remove & replace concrete flatwork	2	2	3	2	3	5	1	6	\$ 89,210	CO
Liberty Com	Repair / replace concrete sidewalks	3	2	3	2	3	4	2	7	\$ 105,803	CO
Lincoln	Repair/replace front bus loop sidewalks	2	2	2	3	3	4	3	6	\$ 86,625	CO
Maintenance	Remove & replace concrete curb & sidewalk	3	1	3	2	3	4	1	6	\$ 49,560	CO
Spring Garden	Reconstruct miscellaneous concrete work at entrances	3	3	3	2	3	5	1	7	\$ 45,344	CO
Stad-Mem Gym	Grandstand concrete stair replacement	5	2	5	3	3	5	3	9	\$ 1,176,000	CO
William Penn	Replace concrete walks	2	2	2	2	0	5	2	5	\$ 52,138	CO
									TOTAL	\$ 2,032,993	
Education Ctr	Replace carpet	2	3	4	1	1	4	2	6	\$ 75,520	FC
Fountain Hill	Replace floor carpeting in various areas	3	2	3	2	1	4	3	6	\$ 219,160	FC
East Hills	Repair corridor quarry tile in isolated areas	3	3	3	1	1	5	2	6	\$ 32,116	FT
Spring Garden	Remove and replace VCT in corridor	3	3	3	2	3	5	2	7	\$ 151,146	FT
									TOTAL	\$ 477,941	

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2023

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Buchanan	Patch and seal bituminous paving	2	2	2	2	5	3	2	6	\$ 53,361	PA
Calypso	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 46,691	PA
Clearview	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 73,371	PA
Donegan	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 73,371	PA
East Hills	Seal paved areas gymnasium lot and rear drive	2	2	2	2	5	3	2	6	\$ 80,042	PA
Farmersville	Paving repairs and seal coating	2	2	2	2	5	3	2	6	\$ 300,156	PA
Fountain Hill	Overlay bituminous paving	2	2	2	2	5	3	2	6	\$ 113,392	PA
Freedom	Overlay bituminous paved areas at east and west lot	2	2	2	2	5	3	2	6	\$ 480,249	PA
Freemansburg	Expand front parking area	2	2	2	2	5	3	2	6	\$ 36,275	PA
Freemansburg	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 124,732	PA
Governor Wolf	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 80,709	PA
Hanover	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 66,531	PA
Lafayette	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 33,986	PA
Liberty Com	Resurface bus loop, teacher's lot and miscellaneous paving	2	2	3	2	4	5	2	6	\$ 266,805	PA
Lincoln	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 46,834	PA
Maintenance	Reconstruct bituminous paving at rear	2	1	4	0	4	4	3	5	\$ 84,959	PA
Marvine	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 76,306	PA
Miller Heights	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 95,383	PA
Northeast	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 95,383	PA
Spring Garden	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 118,944	PA
T. Jefferson	Repair asphalt edging at playground embankment	3	2	3	2	3	4	3	7	\$ 53,361	PA
T. Jefferson	Resurface bituminous paving	2	1	4	0	2	1	4	5	\$ 60,031	PA
Transportation Fac.	Resurface parking lots	2	2	3	2	2	4	2	6	\$ 426,888.00	PA
Transportation Fac.	Repair asphalt driveway to depot	2	2	3	2	2	4	2	6	\$ 231,000.00	PA
William Penn	Resurface paving	2	3	2	2	1	5	3	6	\$ 240,125	PA
									TOTAL	\$ 3,358,887	
									GRAND TOTAL	\$ 8,784,887	

TAB 5

**RECOMMENDATIONS ITEMIZED
BY PRIORITY FOR ALL WORK
OTHER THAN THE SELECTED
CATEGORIES OF CONCRETE
WORK FLOOR COVERING WORK,
PAVING WORK, ATHLETIC
FACILITIES**

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS

mp2000b

LISTING BY PRIORITY WITHOUT SELECTED CATEGORIES (CO, FT, FC, PA, AF)

November 6, 2023

										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
Freedom	Replace boilers, pumps, and controls in original mechanical room	4	4	4	3	4	5	3	10	\$ 800,000	HV	
									TOTAL	\$ 800,000		
Freedom	Install hot/chilled water piping filter system including flushing and water treatment	3	3	4	4	4	4	3	9	\$ 225,000	HV	
Freedom	Replace Water Heaters in 2005 addition	4	3	5	4	1	4	3	9	\$ 250,000	P	
Stad-Mem Gym	Replace domestic hot water system at field house	4	3	5	4	1	5	2	9	\$ 228,690	P	
									TOTAL	\$ 703,690		
Asa Packer	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 69,300	FA	
Buchanan	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA	
Calypso	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA	
Clearview	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA	
Donegan	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 138,600	FA	
Education Ctr	Replace slate roof portion	2	3	4	4	4	5	0	8	\$ 110,250	R	
Farmersville	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA	
Farmersville	Replace clock system and intercom	3	3	3	3	3	3	3	8	\$ 69,300	UN	
Fountain Hill	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 155,925	FA	
Freemansburg	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA	
Governor Wolf	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA	
Hanover	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA	
Liberty Class	Replace boilers and pumps	3	3	3	3	3	5	2	8	\$ 476,438	HV	
Lincoln	Internal and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA	
Maintenance	Interior and exterior camera upgrades	3	3	3	3	3	3	3	8	\$ 34,650	FA	
Maintenance	Add access control	3	3	3	3	3	3	3	8	\$ 17,325	FA	
Marvine	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 127,974	FA	
Miller Heights	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA	
Northeast	Replace (1) HRU at Gym locker rooms	3	3	4	4	3	4	3	8	\$ 130,000	HV	
Spring Garden	Install ADA compliant stage lift	4	3	3	4	1	5	2	8	\$ 80,000	HA	
Spring Garden	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 128,205	FA	
T. Jefferson	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA	
William Penn	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA	
									TOTAL	\$ 2,560,142		

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS

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LISTING BY PRIORITY WITHOUT SELECTED CATEGORIES (CO, FT, FC, PA, AF)

November 6, 2023

SCHOOL	ITEM									PRIORITY	2023		CATEGORY
		SA	EI	PC	DE	EC	AG	LE			COST		
Buchanan	Repair and recoat roof for extended warranty (2018)	2	2	4	4	3	2	1		7	\$ 208,961		R
Calypso	Regrade and provide storm water catch basin at playground southwest corner	3	2	3	3	3	2	2		7	\$ 37,786		SS
Clearview	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1		7	\$ 345,726		R
East Hills	Replace emergency generator and transfer switch	3	2	3	3	3	5	2		7	\$ 426,888		ES
East Hills	Install digital control system for HVAC (partially completed in 2017)	2	3	3	3	3	5	2		7	\$ 1,100,571		HV
East Hills	Replace HVAC unit in Faculty Planning and Waiting Rooms	2	3	4	2	2	5	3		7	\$ 186,764		HV
East Hills	Install air handler for room 110 Special Ed./Reading	2	3	3	3	2	5	1		7	\$ 200,104		HV
East Hills	Replace exterior lighting	3	3	3	2	0	5	2		7	\$ 100,052		EL
East Hills	Replace air handlers in original building (partially completed in 2017)	2	3	3	3	1	5	2		7	\$ 4,669,088		HV
East Hills	Replace cafeteria make-up air unit	2	3	3	3	1	5	2		7	\$ 220,114		HV
East Hills	Replace grease traps and sanitary pump	2	3	3	3	1	5	2		7	\$ 116,877		P
Education Ctr	Replace windows in 1971 addition	2	3	4	2	4	5	2		7	\$ 120,000		WR
Education Ctr	Lobby modifications & elevator	3	3	3	1	2	5	1		7	\$ 1,100,571		HA
Education Ctr	Point exterior masonry and repairs	1	2	4	4	3	5	2		7	\$ 347,486		M
Farmersville	Replace grease trap at kitchen	2	3	4	3	2	4	3		7	\$ 25,000		P
Fountain Hill	Renovate toilet rooms and replace piping	3	3	4	2	2	5	2		7	\$ 680,153		TR
Fountain Hill	Replace exterior doors	3	2	4	2	2	5	2		7	\$ 218,064		ED
Fountain Hill	Replace and upgrade HVAC System	2	3	4	3	1	5	1		7	\$ 8,270,955		HV
Fountain Hill	Replace steam boilers	3	3	3	2	1	5	2		7	\$ 800,415		HV
Fountain Hill	Provide stage light dimming system	2	3	4	2	2	5	2		7	\$ 146,743		IL
Fountain Hill	Improve exhaust in bathrooms	2	3	4	2	2	5	2		7	\$ 106,722		TR
Fountain Hill	Replace fire alarm system	2	3	2	3	3	5	2		7	\$ 273,475		FA
Freedom	Upgrade fire alarm system panel	2	4	3	2	3	5	2		7	\$ 128,066		FA
Freedom	Replace interior doors in central lobby (8 locations)	4	2	3	2	1	5	1		7	\$ 211,603		D
Freedom	Repair/replace student lockers	3	3	3	2	1	5	1		7	\$ 377,602		SL
Freedom	Provide redundant UPS system for Network Center	2	3	2	3	3	4	2		7	\$ 397,427		ES
Freemansburg	Install underdrain in parking area	3	2	3	4	4	3	2		7	\$ 89,210		SS
Freemansburg	Repair and recoat roof (Area A) for extended warranty (2020)	2	2	4	4	3	2	1		7	\$ 105,655		R
Governor Wolf	Miscellaneous masonry repairs, caulking and water proofing	2	2	3	4	4	3	1		7	\$ 37,786		M
Liberty Class	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1		7	\$ 139,406		R
Liberty Com	Crowd control doors for separation of Student Activity area	3	3	3	3	3	3	2		7	\$ 120,062		D
Liberty Lab	Replace all HVAC equipment	2	2	4	4	3	5	2		7	\$ 6,121,500		HV
Lincoln	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1		7	\$ 386,925		R
Maintenance	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1		7	\$ 102,720		R
Miller Heights	Replace grease interceptor in kitchen	2	3	4	3	2	4	3		7	\$ 25,000		P
Miller Heights	Repair chimney and miscellaneous masonry repairs and caulking classroom	2	2	3	4	4	3	1		7	\$ 52,901		M
Miller Heights	Repair and recoat roof for extended warranty (2019) at addition	2	2	4	4	3	2	1		7	\$ 56,936		R

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS

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LISTING BY PRIORITY WITHOUT SELECTED CATEGORIES (CO, FT, FC, PA, AF)

November 6, 2023

										2023	
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Spring Garden	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 86,284	R
T. Jefferson	Replace multi-zone HVAC units	2	4	3	3	2	3	2	7	\$ 4,268,880	HV
T. Jefferson	Repair/replace exterior masonry wall panels	3	2	4	2	3	5	3	7	\$ 349,280	M
T. Jefferson	Replace windows	2	3	3	3	3	5	3	7	\$ 187,335	WR
T. Jefferson	Install additional exterior hand rails	4	2	3	2	1	5	3	7	\$ 37,759	UN
Transportation Fac.	Replace fencing around entire area	3	2	4	2	3	4	2	7	\$ 204,045.77	UN
William Penn	Replace exhaust fan in health suite	3	2	4	3	3	5	2	7	\$ 37,759	HV
William Penn	Improve stage lighting	3	3	4	2	2	5	2	7	\$ 75,520	IL
William Penn	Replace playground fence fabric	4	3	3	2	2	3	2	7	\$ 84,959	UN
William Penn	Repair cracks & install control joints in ext. masonry	3	3	3	2	3	5	2	7	\$ 79,098	M
William Penn	Replace multi-zone HVAC units	2	4	3	3	2	3	2	7	\$ 4,268,880	HV
William Penn	Repair/replace exterior masonry panels	3	2	4	2	3	5	3	7	\$ 339,840	M
William Penn	Replace ext. doors	3	3	4	0	2	5	2	7	\$ 114,583	ED
									TOTAL	\$ 38,189,537	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS

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LISTING BY PRIORITY WITHOUT SELECTED CATEGORIES (CO, FT, FC, PA, AF)

November 6, 2023

SCHOOL	ITEM									2023		CATEGORY
		SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST		
Asa Packer	Provide additional outlets in M.P. Room	2	4	3	1	2	4	1	6	\$	30,229	ES
Asa Packer	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$	131,250	ID
Asa Packer	Regrade play area at east end for drainage	2	2	4	2	2	5	1	6	\$	49,560	L
Asa Packer	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$	200,104	ES
Calypso	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$	200,104	ID
Calypso	Seal all masonry walls and caulking	2	1	1	5	4	3	4	6	\$	35,683	M
Donegan	Repair and re-coat roof for extended warranty (2021)	2	2	2	3	4	2	1	6	\$	261,469	R
East Hills	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$	266,805	ID
East Hills	Provide hot water in Home Economics area	3	3	4	0	1	5	0	6	\$	60,031	P
East Hills	Renovations to 6th & 7th grade restrooms	2	2	2	3	3	5	2	6	\$	426,888	TR
East Hills	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$	773,139	ES
Education Ctr	Upgrade ATC controls to Metasys and replace HVAC	2	2	4	3	2	3	2	6	\$	2,668,050	HV
Education Ctr	Replace windows in original building	1	3	3	2	3	5	2	6	\$	425,000	WR
Farmersville	Seal all split face block and recaulk exterior and masonry repairs to south classroom wing	2	1	1	5	4	3	4	6	\$	186,764	M
Fountain Hill	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$	80,042	ID
Fountain Hill	Upgrade electrical distribution system and replace lighting	2	3	3	3	1	4	1	6	\$	960,498	ES
Fountain Hill	Provide water coolers	2	2	4	2	2	5	2	6	\$	39,649	UN
Fountain Hill	Repair window seals/replace and caulk all joints	2	3	3	2	1	5	2	6	\$	148,681	WR
Fountain Hill	Provide additional outlets in classrooms	2	3	2	2	1	5	3	6	\$	138,767	ES
Fountain Hill	Renovate Cafeteria and Kitchen	2	3	2	2	1	5	3	6	\$	1,133,921	UN
Fountain Hill	Renovate Gymnasium and Stage	2	3	2	2	1	5	3	6	\$	600,311	UN
Fountain Hill	Landscape & fence steep embankment	2	2	3	2	2	5	1	6	\$	49,560	L
Freedom	Renovate toilet rooms in original building	2	2	3	3	3	5	2	6	\$	250,000	HV
Freedom	Replace all HVAC equipment and controls in original building	2	2	3	3	3	5	2	6	\$	5,336,100	HV
Freedom	Replace chillers, pumps and piping in original building mechanical room	2	2	3	3	3	5	2	6	\$	2,312,310	HV
Freedom	Install roof coating on Siplast roof areas	2	2	3	3	3	4	3	6	\$	755,726	R
Freedom	Replace roof on wrestling room	2	2	3	3	3	4	3	6	\$	140,073	R
Freedom	Replace air handlers/U.V.'s in original building	2	3	3	2	1	5	2	6	\$	15,007,781	HV
Freedom	Replace ceiling tiles	2	2	4	2	1	5	2	6	\$	719,039	CT
Freedom	Repair and repoint masonry (15%) (exterior brick walls)	2	1	4	2	3	5	2	6	\$	115,574	M
Freedom	Renovate auditorium	2	2	3	2	2	5	1	6	\$	2,818,200	UN
Freedom	Repair or replace water coolers	2	2	3	2	1	5	2	6	\$	49,560	P
Freedom	Storm drainage system upgrades in field areas	3	1	2	2	3	5	1	6	\$	317,406	SS
Freemansburg	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$	146,743	ID

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS

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LISTING BY PRIORITY WITHOUT SELECTED CATEGORIES (CO, FT, FC, PA, AF)

November 6, 2023

SCHOOL	ITEM									2023		CATEGORY
		SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST		
Liberty Class	Recaulk all exterior masonry joints & windows and seal masonry	2	2	2	3	3	4	3	6	\$	131,250	M
Liberty Com	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$	404,250	ID
Liberty Com	Install doors at all gang bathrooms throughout	2	2	3	3	2	4	3	6	\$	150,000	D
Liberty Com	Recaulk all exterior masonry	2	2	2	3	3	4	3	6	\$	157,500	M
Liberty Com	Repairs to walkway bridge at Classroom Ctr.	2	2	3	2	3	4	2	6	\$	173,423	M
Liberty Lab	Replace all HVAC controls	2	2	3	3	3	5	2	6	\$	1,155,000	HV
Liberty Lab	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$	37,786	M
Lincoln	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$	37,786	M
Maintenance	Install fire alarm system/smoke detectors	3	1	3	3	3	4	1	6	\$	52,901	FA
Marvine	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$	37,786	M
Northeast	Chiller replacement (future)	2	3	2	3	2	4	2	6	\$	1,050,000	HV
Northeast	Caulk and seal all exterior masonry	2	2	2	2	5	3	2	6	\$	200,104	M
Northeast	Chiller wall ventilation/repairs	2	2	2	2	3	3	3	6	\$	63,000	M
SPARK (Pre-K)	Replace lighting with electronic ballast lights	2	2	2	2	4	5	1	6	\$	175,000	IL
Spring Garden	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$	93,382	ID
Stad-Mem Gym	Replace stadium ADA lift	2	2	4	2	3	5	2	6	\$	63,525	UN
T. Jefferson	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$	66,701	ID
T. Jefferson	Replace spalled brick	2	1	3	4	3	5	3	6	\$	49,560	M
T. Jefferson	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$	62,444	ES
T. Jefferson	Re-seed lawn areas and landscape	2	2	3	2	2	5	3	6	\$	39,649	L
T. Jefferson	Replace exterior caulking	2	1	3	2	3	5	3	6	\$	31,322	CA
T. Jefferson	Improve exterior lighting	3	2	4	0	0	5	2	6	\$	40,021	EL
T. Jefferson	Repair cracks in exterior brick masonry	2	1	3	2	3	5	3	6	\$	29,141	M
T. Jefferson	Replace plumbing fixtures and renovate toilets	3	2	4	0	0	5	2	6	\$	266,805	P
T. Jefferson	Renovate Kitchen	3	2	4	0	0	5	2	6	\$	266,805	UN
T. Jefferson	Renovate multi-purpose room	3	2	4	0	0	5	2	6	\$	333,506	UN
Transportation Fac.	Install fire alarm system	2	2	3	2	2	4	2	6	\$	60,000.00	FA
Transportation Fac.	Install site drainage southeast corner of bus lot	2	2	3	2	2	4	2	6	\$	92,400.00	SS
William Penn	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$	66,701	ID
William Penn	Re-coat existing roof	2	2	3	3	3	4	3	6	\$	196,490	R
William Penn	Provide sound attenuation adjacent to cafeteria	3	3	4	0	1	5	2	6	\$	22,656	UN
William Penn	Replace window units	2	2	3	2	4	5	2	6	\$	187,335	WR
William Penn	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$	62,444	ES
William Penn	Replace plumbing and renovate toilets	2	3	2	2	1	5	3	6	\$	266,805	P
William Penn	Renovate Kitchen	2	3	2	2	1	5	3	6	\$	266,805	UN
William Penn	Renovate multi-purpose room	2	3	2	2	1	5	3	6	\$	333,506	UN
William Penn	Provide shades or blinds at east & west windows	2	3	4	0	0	5	3	6	\$	21,805	WS
William Penn	Replace exterior caulking	2	1	3	2	3	5	3	6	\$	31,325	CA
									TOTAL	\$	43,611,933	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
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LISTING BY PRIORITY WITHOUT SELECTED CATEGORIES (CO, FT, FC, PA, AF)

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
Asa Packer	Repair cracks & paint Multi-Purpose Room walls	1	2	3	2	2	5	4	5	\$ 26,959	IP	
Asa Packer	Improve exterior lighting	2	2	3	0	0	5	2	5	\$ 118,919	EL	
Broughal	Paint interior of the building	0	2	3	2	4	3	0	5	\$ 531,300	IP	
Clearview	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 290,955	IL	
Clearview	Paint interior of building	0	2	3	2	4	3	0	5	\$ 127,050	IP	
Donegan	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 375,597	IL	
Donegan	Paint interior of building	0	2	3	2	4	3	0	5	\$ 164,010	IP	
Donegan	Replace classroom signage	0	2	3	2	4	3	0	5	\$ 21,656	UN	
East Hills	Replace wall covering in Auditorium	3	2	3	0	0	5	2	5	\$ 55,509	IP	
East Hills	Replace casework	3	2	3	0	0	5	2	5	\$ 953,828	UN	
East Hills	Repoint stone walls at main entry	2	0	3	2	4	5	1	5	\$ 75,330	M	
East Hills	Repair auditorium entry limestone columns	2	0	3	2	4	5	1	5	\$ 57,750	M	
East Hills	Replace interior lighting (improve energy savings, partially completed in 2017)	2	1	2	1	4	4	2	5	\$ 768,653	IL	
East Hills	Renovate stage area, curtains, lighting and replace auditorium seats	2	2	3	0	0	5	3	5	\$ 867,116	SC	
East Hills	Interior Painting (Café, gym, hallways & lavs)	0	2	3	2	4	3	0	5	\$ 150,150	IP	
Education Ctr	Replace interior doors	1	2	4	1	1	5	1	5	\$ 128,858	ID	
Education Ctr	Replace interior lighting and ceilings (improve energy savings)	2	1	2	1	4	4	2	5	\$ 360,000	IL	
Education Ctr	Improve exterior lighting	2	2	3	0	0	5	2	5	\$ 49,560	EL	
Fountain Hill	Replace ceiling tiles	3	2	3	0	1	5	2	5	\$ 333,506	CT	
Fountain Hill	Repair plaster ceiling on 3rd floor	3	2	3	0	1	5	2	5	\$ 66,701	CT	
Fountain Hill	Repair stone wall and fencing	3	1	3	0	3	5	1	5	\$ 87,665	M	
Fountain Hill	Replace intercom system add additional speakers	2	2	2	2	1	3	2	5	\$ 102,720	IC	
Fountain Hill	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 433,787	IL	
Fountain Hill	Provide new window shades, blinds, etc.	2	3	2	0	0	5	2	5	\$ 43,018	WS	
Freedom	Repoint stone wall	3	1	3	0	4	5	1	5	\$ 39,649	M	
Freedom	Upgrade building exhaust (allowance)	2	2	2	2	1	5	2	5	\$ 133,403	HV	
Freedom	Provide new window shades, blinds, etc.	2	2	4	0	0	5	2	5	\$ 72,951	WS	
Freedom	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 1,506,916	IL	
Hanover	Interior painting	0	2	3	2	4	3	0	5	\$ 70,455	IP	
Liberty Lab	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 402,084	IL	
Lincoln	Remove oil tank	3	2	2	1	2	3	2	5	\$ 46,200	FTK	
Lincoln	Seal masonry and replace select glazed block	2	2	2	2	4	2	1	5	\$ 60,458	M	
Lincoln	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 330,000	IL	
Lincoln	Interior painting	0	2	3	2	4	3	0	5	\$ 125,202	IP	
Maintenance	Replace lighting (energy)	2	1	2	1	4	4	2	5	\$ 110,880	IL	
Marvine	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 293,070	IL	
Marvine	Interior painting	0	2	3	2	4	3	0	5	\$ 110,880	IP	
Miller Heights	Interior painting	0	2	3	2	4	3	0	5	\$ 117,810	IP	
Northeast	Interior painting	0	2	3	2	4	3	0	5	\$ 431,970	IP	
SPARK (Pre-K)	Plumbing isolation valve & wall hydrant replacement including back flow preventer	2	2	3	2	1	4	2	5	\$ 57,213	P	
SPARK (Pre-K)	Replace panelboard for HVAC equipment	2	2	2	2	1	5	1	5	\$ 65,387	ES	
SPARK (Pre-K)	Replace boiler, air handler and install ATC controls	2	2	2	2	1	5	1	5	\$ 956,000	HV	
SPARK (Pre-K)	Replace fire alarm system	2	2	2	2	1	5	1	5	\$ 73,560	UN	
Stad-Mem Gym	MEM GYM-Repoint exterior masonry	2	1	3	2	3	5	2	5	\$ 80,915	M	
T. Jefferson	Replace exterior doors	2	2	3	0	1	5	3	5	\$ 114,583	ED	
T. Jefferson	Replace chalk & tack boards	2	2	1	2	1	5	1	5	\$ 52,138	UN	
Transportation Fac.	Replace roof, out of warranty	2	2	3	2	1	4	1	5	\$ 368,734.91	R	
Transportation Fac.	Install Metasys Controls on two RTU's	2	2	2	2	2	3	2	5	\$ 84,959.49	HV	
William Penn	Replace or repair spalled brick in ext. masonry (15%)	2	1	3	2	3	5	2	5	\$ 83,263	M	
William Penn	Improve exterior lighting	3	2	3	0	0	5	2	5	\$ 37,759	EL	
William Penn	Replace chalk and tack boards with whiteboards	2	2	1	2	1	5	1	5	\$ 52,138	UN	
William Penn	Regrade and landscape areas	2	2	2	0	2	4	2	5	\$ 20,815	L	
									TOTAL	\$ 12,089,988		

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LISTING BY PRIORITY WITHOUT SELECTED CATEGORIES (CO, FT, FC, PA, AF)

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										2023		
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY	
Asa Packer	Replace folding partition in Multi-Purpose Room	2	1	3	0	1	5	4	4	\$ 148,681	UN	
East Hills	Replace student lockers	2	2	2	0	0	5	1	4	\$ 352,183	SL	
East Hills	Repair floor cracks in Room 204	2	1	3	0	1	5	1	4	\$ 9,317	UN	
East Hills	Replace or repair ceiling tiles (partially completed in 2017)	1	2	3	0	0	5	1	4	\$ 440,228	CT	
Education Ctr	Provide new window shades, blinds, etc.	2	2	2	0	0	5	2	4	\$ 39,649	WS	
Education Ctr	Caulk all masonry joints	1	0	3	2	2	5	1	4	\$ 52,337	M	
Fountain Hill	Renovate stage area	2	2	2	0	0	5	2	4	\$ 173,423	SC	
Fountain Hill	Re-paint concrete in sheltered play areas	1	2	2	0	0	5	2	4	\$ 17,841	EP	
Freedom	Install restrooms at synthetic turf field	2	1	3	1	1	5	1	4	\$ 333,506	TR	
Freedom	Install restrooms at field house	2	1	3	1	1	5	1	4	\$ 400,208	TR	
Freedom	Add classroom electrical outlets	2	2	3	0	0	5	0	4	\$ 160,083	ES	
Freedom	Repair cracks in wall adj to Rooms 116, 115, 212, & 213	2	1	3	0	1	5	2	4	\$ 32,116	M	
Lafayette	Install outfield fence	2	2	2	1	1	2	1	4	\$ 44,468	L	
Maintenance	Install emergency generator, lighting and exit signs	2	1	3	0	0	5	3	4	\$ 266,805	ES	
SPARK (Pre-K)	Replace parking lot lights	1	1	2	2	1	5	1	4	\$ 45,768	EL	
T. Jefferson	Provide new window shades, blinds, etc.	2	2	2	0	0	5	3	4	\$ 31,720	WS	
T. Jefferson	Provide stage dimming system	2	1	2	1	1	3	2	4	\$ 69,369	IL	
William Penn	Replace water coolers	2	2	2	0	1	5	2	4	\$ 20,815	P	
William Penn	Provide new window shades, blinds, etc.	2	2	2	0	0	5	3	4	\$ 31,917	WS	
William Penn	Provide stage dimming system	2	1	2	1	1	3	2	4	\$ 69,369	IL	
									TOTAL	\$ 2,739,803		
Asa Packer	Renovate stage area: curtains & lighting	1	1	2	0	0	5	2	3	\$ 183,750	SC	
East Hills	Provide additional sound baffles in Cafeteria	0	2	2	0	0	5	1	3	\$ 39,649	UN	
Maintenance	Perform property survey & set corner pins	0	0	5	0	0	5	0	3	\$ 6,939	PS	
Spring Garden	Install stage light dimming system	1	1	2	2	1	1	2	3	\$ 118,944	SC	
William Penn	Replace brown colored chalkboard with whiteboards	1	1	2	0	0	5	2	3	\$ 31,322	UN	
									TOTAL	\$ 380,605		
East Hills	Replace metal fascia panels at kitchen loading area	1	0	2	0	1	5	1	2	\$ 56,641	R	
East Hills	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 13,876	PS	
East Hills	Repair masonry	0	0	2	0	1	5	1	2	\$ 47,200	M	
Fountain Hill	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 13,876	PS	
Freedom	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 13,876	PS	
T. Jefferson	Perform property survey & set corner pins	0	0	4	0	0	5	1	2	\$ 14,671	PS	
William Penn	Perform property survey & set corner pins	0	0	4	0	0	5	1	2	\$ 14,671	PS	
									TOTAL	\$ 174,812		

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
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LISTING BY PRIORITY WITHOUT SELECTED CATEGORIES (CO, FT, FC, PA, AF)

November 6, 2023

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	2023	
										COST	CATEGORY
Asa Packer	Contingency, miscellaneous & unidentified items								0	\$ 153,777	CN
Asa Packer	Improve handicapped accessibility								0	\$ 191,896	HA
East Hills	Contingency, miscellaneous & unidentified items								0	\$ 249,009	CN
East Hills	Upgrade handicapped accessibility								0	\$ 99,121	HA
Education Ctr	Contingency, miscellaneous & unidentified items								0	\$ 247,346	CN
Fountain Hill	Contingency, miscellaneous & unidentified items	0	0	0	0	0	0	0	0	\$ 214,636	CN
Fountain Hill	Handicapped accessibility, including stair lift	0	0	0	0	0	0	0	0	\$ 262,500	HA
Freedom	Contingency, miscellaneous & unidentified items								0	\$ 326,418	CN
Freedom	Improve handicapped accessibility								0	\$ 148,681	HA
Maintenance	Contingency, miscellaneous & unidentified items	0	0	0	0	0	0	0	0	\$ 39,649	CN
Stad-Mem Gym	Contingency, miscellaneous & unidentified items								0	\$ 338,914	CN
Stad-Mem Gym	Improve handicapped accessibility at Stadium (additional - phase 2)								0	\$ 495,599	HA
T. Jefferson	Contingency, miscellaneous & unidentified items								0	\$ 100,111	CN
T. Jefferson	Improve handicapped accessibility, including elevator								0	\$ 600,000	HA
William Penn	Contingency, miscellaneous & unidentified items								0	\$ 95,948	CN
William Penn	Improve handicapped accessibility, including elevator								0	\$ 600,000	HA
									TOTAL	\$ 4,163,604	
									GRAND TOTAL	\$ 105,414,113	

TAB 6

**SUMMARY OF THE
RECOMMENDED BUDGET FOR
EACH SCHOOL OR FACILITY**

Controlling Budget % =
Renovation Cost =

60 %
220 \$/SQ.FT.

November 6, 2023

PROJECT ACCOUNTING BASED ON ESTIMATES - COMPARISON OF RENOVATION TO IMPROVEMENTS

(1) SCHOOL	(2) FLOOR AREA SQ.FT.	(3) RENOVATION @ \$220/SQ.FT. \$\$\$	(4) RECOMMENDED IMPROVEMENTS \$\$\$	(5) IMPROVEMENTS AS % OF RENOVATION	(6) ASBESTOS ABATEMENT \$\$\$	(7) RENOVATION + ASBESTOS \$\$\$	(8) IMPROVEMENTS + ASBESTOS \$\$\$	(9) TOTAL ESTIMATED BUDGET w/ fees & cont. \$\$\$
ELEMENTARY SCHOOLS								
SPARK (Pre-K)	26,500	\$5,830,000	\$1,372,927	24%	\$50,000	\$5,880,000	\$1,422,927	\$1,707,513
Asa Packer	48,400	\$10,648,000	\$1,304,424	12%	\$15,000	\$10,663,000	\$1,319,424	\$1,583,309
Buchanan	33,100	\$7,282,000	\$393,478	5%	\$0	\$7,282,000	\$393,478	\$472,174
Calypso	34,000	\$7,480,000	\$466,360	6%	\$0	\$7,480,000	\$466,360	\$559,632
Clearview	55,000	\$12,100,000	\$923,727	8%	\$0	\$12,100,000	\$923,727	\$1,108,473
Donegan	71,000	\$15,620,000	\$1,034,703	7%	\$0	\$15,620,000	\$1,034,703	\$1,241,644
Farmersville	61,800	\$13,596,000	\$685,169	5%	\$0	\$13,596,000	\$685,169	\$822,203
Fountain Hill	82,000	\$18,040,000	\$15,886,106	88%	\$82,564	\$18,122,564	\$15,968,670	\$19,425,000
Freemansburg	47,500	\$10,450,000	\$606,564	6%	\$0	\$10,450,000	\$606,564	\$727,877
Governor Wolf	48,000	\$10,560,000	\$205,120	2%	\$0	\$10,560,000	\$205,120	\$246,144
Hanover	30,500	\$6,710,000	\$223,611	3%	\$0	\$6,710,000	\$223,611	\$268,334
Lincoln	54,200	\$11,924,000	\$1,223,980	10%	\$0	\$11,924,000	\$1,223,980	\$1,468,776
Marvine	55,400	\$12,188,000	\$646,016	5%	\$0	\$12,188,000	\$646,016	\$775,219
Miller Heights	51,000	\$11,220,000	\$434,655	4%	\$0	\$11,220,000	\$434,655	\$521,586
Spring Garden	66,500	\$14,630,000	\$822,249	6%	\$0	\$14,630,000	\$822,249	\$986,699
Thomas Jefferson	38,500	\$8,470,000	\$7,211,817	85%	\$15,000	\$8,485,000	\$7,226,817	\$9,975,000
William Penn	38,500	\$8,470,000	\$7,893,418	93%	\$15,000	\$8,485,000	\$7,908,418	\$10,290,000
MIDDLE SCHOOLS								
Broughal	186,000	\$40,920,000	\$746,130	2%	\$0	\$40,920,000	\$746,130	\$895,356
East Hills	193,000	\$42,460,000	\$13,918,763	33%	\$126,120	\$42,586,120	\$14,044,883	\$16,853,860
Nitschmann	180,000	\$39,600,000	\$0	0%	\$0	\$0	\$0	\$0
Northeast	187,000	\$41,140,000	\$1,970,457	5%	\$0	\$41,140,000	\$1,970,457	\$2,364,549
HIGH SCHOOLS								
Freedom (New 110,000)	385,000	\$84,700,000	\$35,216,921	42%	\$85,000	\$84,785,000	\$35,301,921	\$45,000,000
Liberty (TOTAL)	483,000	\$106,260,000	\$12,829,530	12%	\$0	\$106,260,000	\$12,829,530	\$15,395,436
Commons Bldg.	183,500	\$40,370,000	\$1,377,843	3%	\$0	\$40,370,000	\$1,377,843	\$1,653,412
Classroom Center	72,500	\$15,950,000	\$747,094	5%	\$0	\$15,950,000	\$747,094	\$896,512
Laboratory Center	76,000	\$16,720,000	\$7,716,370	46%	\$0	\$16,720,000	\$7,716,370	\$9,259,644
Mem. Gym, SA & Fld. Hse.	151,000	\$33,220,000	\$2,988,223	9%	\$40,000	\$33,260,000	\$3,028,223	\$3,633,867
MISC. FACILITIES								
Ed. Center	36,000	\$7,920,000	\$5,870,001	74%	\$104,150	\$8,024,150	\$5,974,151	\$9,628,980
Lafayette	-	\$0	\$78,453			\$0	\$78,453	\$94,144
Maint.	11,800	\$2,596,000	\$766,389	30%	\$1,980	\$2,597,980	\$768,369	\$922,042
Transportation	12,200	\$2,684,000	\$1,468,028	55%	\$0	\$2,684,000	\$1,468,028	\$1,761,634
TOTAL =	2,515,900	\$553,498,000	\$127,028,530		\$534,814	\$620,692,814	\$127,563,344	\$145,143,584

TAB 7

**SUMMARY OF CAPITAL
IMPROVEMENT WORK
COMPLETED IN 1992, 1993, 1994,
1995, 1996, 1997, 1998, 1999, 2000,
2001, 2002, 2003, 2004, 2005, 2006,
2007, 2008, 2009, 2010, 2011, 2012,
2013, 2014, 2015, 2016, 2017, 2018,
2019, 2020, 2021, 2022, 2023**

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN

PROJECT COMPLETED IN 1992

AUGUST 12, 1992

SCHOOL	ITEM	P	BUDGET	CONTRACT	C.O.	ASBESTOS	COST
Freedom	Reconstruct and color coat tennis courts.	9	\$ 190,000	\$ 219,350			\$ 219,350
Freedom	Upgrade swimming filtration system.	10	\$ 90,000	\$ 103,850	\$ 970		\$ 104,820
Education Ctr.	Remove and replace concrete sidewalk.	% 9	\$ 5,610	\$ 5,610			\$ 5,610
Education Ctr.	Remove and replace concrete curb (linear & radius).	% 9	\$ 6,000	\$ 6,000			\$ 6,000
Education Ctr.	Remove and replace concrete stairs.	% 9	\$ 2,000	\$ 2,000			\$ 2,000
Liberty Lab	Repair concrete flatwork.	% 9	\$ 20,000	\$ 20,000			\$ 20,000
Liberty Lab	Repair concrete sidewalks.	% 9	\$ 40,000	\$ 40,000			\$ 40,000
Liberty Lab	Repair concrete curbs.	% 9	\$ 31,276	\$ 31,276			\$ 31,276
Northeast	Remove and replace concrete flatwork.	% 8	\$ 2,000	\$ 2,000			\$ 2,000
Northeast	Remove and replace concrete sidewalk.	% 9	\$ 13,412	\$ 13,412			\$ 13,412
Northeast	Remove and replace concrete curb (linear & radius).	% 8	\$ 5,000	\$ 5,000			\$ 5,000
Fountain Hill	Replace carpeting through classrooms on 1st & 2nd Floor.	9	\$ 77,600	\$ 93,700	\$ 4,600		\$ 98,300
Liberty Class	Replace floor carpeting.	9	\$ 113,000	\$ 103,751			\$ 103,751
Liberty Com	Replace carpeting.	9	\$ 58,129	\$ 49,000	\$ 9,129		\$ 58,129
Asa Packer	Replace stucco fascia soffit & window surrounds.	8	\$ 105,300	\$ 88,000	\$ 2,800		\$ 90,800
Broughal	Restore masonry on old building, replace cornice.	% 10	\$ 165,400	\$ 157,700	\$ 7,700	\$ 10,600	\$ 176,000
Liberty Com	Repoint brick sasonry in light courts.	9	\$ 60,000	\$ 59,100	\$ 2,300		\$ 61,400
Liberty Com	Clean and repoint brick masonry (coping stone).	% 5	\$ 7,900	\$ 7,900			\$ 7,900
Liberty Com	Repair brick masonry, east wall areaway.	10	\$ 28,800	\$ 28,000			\$ 28,000
Northeast	Repair chimney located to north end.	10	\$ 15,000	\$ 17,240	\$ 5,670		\$ 22,910
Donegan	Re-surface bituminous play area and re-construct walk.	6	\$ 15,900	\$ 10,000			\$ 10,000
Donegan	Provide access road to playground	8	\$ 35,000	\$ 25,000			\$ 25,000
Donegan	Provide bus drop-off & extend parking.	9	\$ 190,000	\$ 160,505	\$ 9,000		\$ 169,505
Asa Packer	Replace roof.	10	\$ 208,000	\$ 159,175			\$ 159,175
Broughal	Replace roof on old building.	10	\$ 193,000	\$ 117,229			\$ 117,229
Broughal	Replace roof over boiler room.	10	\$ 25,000	\$ 15,000			\$ 15,000
Liberty Com	Replace roof.	10	\$ 295,000	\$ 328,667	\$ 6,980	\$ 5,600	\$ 341,247
Liberty Com	Replace auditorium roof.	9	\$ 40,000	\$ 42,570			\$ 42,570
Stad-Mem	Mem Gym - Replace roof.	10	\$ 180,000	\$ 180,000	\$ 9,330		\$ 189,330
Broughal	Install fire emergency standpipe system.	10	\$ 150,000	\$ 117,065			\$ 117,065

	TOTAL		\$ 2,368,327	\$ 2,208,100	\$ 58,479	\$ 16,200	\$ 2,282,779
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Total Contract Plus C.O.'s	\$ 2,266,579
Total Asbestos	\$ 16,200

Work not included in Master Plan:

Hanover	Install curb & sidewalk AS DIRECTED BY TOWNSHIP IN 1992		\$ 32,500			\$ 32,500
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Total expenditure 1992 \$ 2,315,279

Work performed by Maintenance Department:

Broughal	Repair all operable windows, install new operable devices.	10	\$ 24,000			
Nitschmann	Repair window spring mechanism in 1992 building.	10	\$ 8,500			
Rosemont	Repair window hardware.	10	\$ 9,000			

Maintenance Department Total \$ 41,500

(For items partially addressed, the budget is set at contract amount.)

Total removed from Master Plan 1992 \$ 2,356,779

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN

PROJECT COMPLETED IN 1993

OCTOBER 14, 1993

SCHOOL	ITEM	P	BUDGET	CONTRACT	C.O.	ASBESTOS	COST
Lincoln	Reconstruct concrete sidewalk & curbing.	%	9	\$ 25,000	\$ 22,949		\$ 22,949
Buchanan	Reconstruct concrete sidewalk, curbing & paving.	%	9	\$ 25,000	\$ 24,755		\$ 24,755
Stad-Mem Gym	Reconstruct concrete walls.	%	9	\$ 25,000	\$ 16,610		\$ 16,610
Maintenance	Reconstruct concrete apron & paving.	%	9	\$ 20,000	\$ 9,850		\$ 9,850
Nitschmann	Upgrade shop room ventilation.		10	\$ 1,500	\$ 2,300		\$ 2,300
Northeast	Upgrade shop room ventilation.		10	\$ 45,000	\$ 64,310		\$ 64,310
East Hills	Upgrade shop room ventilation.		10	\$ 32,000	\$ 52,800		\$ 52,800
Freedom	Upgrade shop room ventilation.		10	\$ 21,500	\$ 33,640		\$ 33,640
Liberty Com	Renovate lavatories.		9	\$ 60,000	\$ 123,456		\$ 123,456
Northeast	Remove and replace exterior doors.		9	\$ 125,000	\$ 121,000		\$ 121,000
Stad-Mem Gym	Remove and replace exterior doors.		9	\$ 159,400	\$ 157,000		\$ 157,000
Education Ctr	Replace HVAC system.		9	\$ 540,000	\$ 497,600	\$ 4,004	\$ 501,604
Clearview	Install new storm drainage system.		10	\$ 155,000	\$ 106,657	\$ 9,100	\$ 115,757
Liberty Com	Adjust, reorganize & trans. load in high voltage system.		10	\$ 70,000	\$ 20,870	\$ 1,830	\$ 22,700
Liberty Com	Replace underground oil storage tank.		10	\$ 85,000	\$ 82,000	\$ 33,100	\$ 115,100
Nitschmann	Replace underground oil storage tank.		10	\$ 71,000	\$ 78,000	\$ 35,600	\$ 113,600
Calypso	Replace underground oil storage tank.		10	\$ 35,000	\$ 34,000	\$ 3,400	\$ 37,400
Lincoln	Replace underground oil storage tank.		10	\$ 38,000	\$ 39,000	\$ (1,500)	\$ 37,500
Lafayette	Replace underground oil storage tank.		10	\$ 34,000	\$ 33,000	\$ (1,600)	\$ 31,400
Education Ctr	Replace underground oil storage tank.		10	\$ 12,000	\$ 7,000	\$ 2,800	\$ 9,800

	TOTAL	\$ 1,579,400	\$ 1,526,797	\$ 86,734	\$ -	\$ 1,613,531
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Total Contract Plus C.O.'s \$ 1,613,531

Work not included in Master Plan:

East Hills	Sitework for portables.		\$ 23,500	\$ 16,500		\$ 16,500
Fountain Hill	Install curb AS DIRECTED BY TOWNSHIP			\$ 2,000		\$ 2,000

Total expenditure 1993 \$ 1,632,031

Total removed from Master Plan 1993 \$ 1,632,031

(For items partially addressed, the budget is set at contract amount.)

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN

PROJECT COMPLETED IN 1994

DECEMBER 1, 1994

SCHOOL	ITEM	CAT/PR	CONTRACT	C.O.	TOTAL CONTRACT	5% FEE	ACTUAL FEE	TOTAL COST
East Hills	Concrete sidewalk & curbing.	%	CO	\$ 11,351		\$ 11,351	\$ 568	\$ 11,903
Freedom	Concrete sidewalk & curbing.	%	CO	\$ 20,365	\$ 1,374	\$ 21,739	\$ 1,087	\$ 22,722
Miller Heights	Concrete sidewalk & curbing.	%	CO	\$ 10,964	\$ 1,200	\$ 12,164	\$ 608	\$ 12,736
Miscellaneous	Concrete work.	%	CO	\$ 17,795		\$ 17,795	\$ 890	\$ 18,664
Nitschmann	Concrete work.	%	CO	\$ 24,075		\$ 24,075	\$ 1,204	\$ 25,024
Freedom	Swimming pool surge tank.		10	\$ 37,419	\$ 1,627	\$ 39,046	\$ 1,952	\$ 40,998
Stad-Mem Gym	Replace roofs.		9	\$ 132,891	\$ 7,429	\$ 140,320	\$ 7,016	\$ 147,301
Stad-Mem Gym	Replace windows & repair masonry.		9	\$ 377,455	\$ 8,404	\$ 385,859	\$ 19,293	\$ 404,996
Freedom	Paving reconstruction		PA	\$ 471,850	\$ 86,400	\$ 558,250	\$ 27,913	\$ 581,690
Wm. Penn	Concrete work.	%	CO	\$ 23,491		\$ 23,491	\$ 1,175	\$ 24,756
Wm. Penn	Replace carpeting.		10	\$ 64,800		\$ 64,800	\$ 3,240	\$ 67,824
Thos. Jefferson	Replace carpeting.		10	\$ 66,900		\$ 66,900	\$ 3,345	\$ 70,103
Northeast	Replace oil tank.		9	\$ 76,725		\$ 76,725	\$ 3,836	\$ 80,463
Maintenance	Replace oil tank.		9	\$ 44,995		\$ 44,995	\$ 2,250	\$ 47,107
TOTAL				\$ 1,381,076	\$ 106,434	\$ 1,487,510	\$ 74,376	\$ 1,556,287

Additional Work:

East Hills	Relocate portable classrooms.		\$ 6,950		\$ 6,950	\$ 348	\$ 2,091	\$ 9,041
East Hills	PP&L temp. service for portable classrooms.		\$ 6,634		\$ 6,634	\$ 332	\$ -	\$ 6,634
Northeast	Provide electrical transformer.	10	\$ 22,190		\$ 22,190	\$ 1,110	\$ 1,109	\$ 23,299
Liberty Com	Provide electrical transformer.	9	\$ 18,600		\$ 18,600	\$ 930	\$ 928	\$ 19,528
Liberty Com	Replace boiler pressure valves.	10	\$ 7,315		\$ 7,315	\$ 366	\$ 365	\$ 7,680
Stad-Mem Gym	Concession stands.	8	\$ 55,000		\$ 55,000	\$ 2,750	\$ -	\$ 55,000
Freemansburg	Replace hot water heater.	10	\$ 7,540		\$ 7,540	\$ 377	\$ -	\$ 7,540
Lafayette	Fencing at softball field.		\$ 15,868		\$ 15,868	\$ 793	\$ -	\$ 15,868
Lafayette	Relocation of heat pumps.		\$ 9,610		\$ 9,610	\$ 481	\$ -	\$ 9,610
TOTAL			\$ 149,707	\$ -	\$ 149,707	\$ 7,485	\$ 4,493	\$ 154,201

Asbestos abatement work:

	Miscellaneous fees, Liberty H.S. roofs.				\$ -		\$ 1,100	\$ 1,100
	Miscellaneous fees, 1994 projects.				\$ -		\$ 1,436	\$ 1,436
TOTAL			\$ -	\$ -	\$ -	\$ -	\$ 2,536	\$ 2,536

Total removed from Master Plan 1994

\$ 1,713,024

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN

PROJECT COMPLETED IN 1995

FEBRUARY 5, 1996

SCHOOL	ITEM	CAT/PR	CONTRACT	C.O.	TOTAL CONTRACT	5% FEE	ACTUAL FEE	TOTAL COST	
Education Ctr.	Handicap ramp and door.	%	HA	\$ 24,992		\$ 24,992	\$ 1,250	\$ 1,250	\$ 26,242
Northeast	Curb cut and ramp.	%	HA	\$ 3,386		\$ 3,386	\$ 169	\$ 169	\$ 3,555
Nitschmann	Sidewalk along 8th Ave.	%	HA	\$ 7,400	\$ 2,888	\$ 10,288	\$ 514	\$ 514	\$ 10,802
Miscellaneous	Curb cuts at Broug., Clrvw., Marv., & Hanover.	%	HA	\$ 5,515		\$ 5,515	\$ 276	\$ 276	\$ 5,791
Asa Packer	ADA lavatory.	%	HA	\$ 15,803		\$ 15,803	\$ 790	\$ 790	\$ 16,593
Gov. Wolf.	ADA lavatory.	%	HA	\$ 13,806		\$ 13,806	\$ 690	\$ 690	\$ 14,496
Hanover	ADA lavatory.	%	HA	\$ 15,083		\$ 15,083	\$ 754	\$ 754	\$ 15,837
Lincoln	ADA lavatory.	%	HA	\$ 11,394		\$ 11,394	\$ 570	\$ 570	\$ 11,964
Marvine	ADA lavatory.	%	HA	\$ 10,992		\$ 10,992	\$ 550	\$ 550	\$ 11,542
Miller Heights	ADA lavatory.	%	HA	\$ 17,210		\$ 17,210	\$ 861	\$ 861	\$ 18,071
Liberty Com	Concrete deck at loading area.		10	\$ 63,800	\$ (12,363)	\$ 51,438	\$ 3,190	\$ 3,190	\$ 54,628
FHS & LHS	Repair stage rigging.		10	\$ 105,070		\$ 105,070	\$ 5,254	\$ 5,254	\$ 110,324
Lincoln	Storm drain repairs.		10	\$ 58,200	\$ (6,095)	\$ 52,105	\$ 2,910	\$ 2,910	\$ 55,015
Broughal	Fire alarm and electrical repairs.		10	\$ 99,471	\$ 1,500	\$ 100,971	\$ 5,049	\$ 5,049	\$ 106,020
Marvine	Replace roof-top multizone heat units		HV	\$ 194,810		\$ 194,810	\$ 9,741	\$ 9,741	\$ 204,551
Thos. Jefferson	Replace HVAC system.		HV	\$ 414,927		\$ 414,927	\$ 20,746	\$ 20,746	\$ 435,673
Liberty	Pool surge tank and miscellaneous repairs.		HV	\$ 62,410	\$ 8,500	\$ 70,910	\$ 3,546	\$ 3,546	\$ 74,456
Calypso	Curb cut and ramp.		HV	\$ 3,640		\$ 3,640	\$ 182	\$ -	\$ 3,640
East Hills	Curb cut and ramp.		HV	\$ 3,350		\$ 3,350	\$ 168	\$ -	\$ 3,350
TOTAL			\$ 1,131,259	\$ (5,570)	\$ 1,125,690	\$ 57,207	\$ 56,860	\$ 1,182,547	

Additional Work:

Liberty Lab	Upgrade science labs.		Postponed.		\$ -	\$ -	\$ -	\$ -
Freedom	Upgrade science labs.		Postponed.		\$ -	\$ -	\$ -	\$ -
TOTAL			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Asbestos abatement work:

Northeast	Remove ceilings and pipe insulation.		\$ 217,324		\$ 217,324		\$ 10,866	\$ 228,190
Liberty Class	Remove fire-proofing.		\$ 73,000		\$ 73,000		\$ 3,650	\$ 76,650
TOTAL			\$ 290,324	\$ -	\$ 290,324	\$ -	\$ 14,516	\$ 304,840

Total removed from Master Plan 1995

\$ 1,487,388

NO.	SCHOOL	ITEM	CONSTRUCTION COST	FEES & CONT.	FUND CATEGORY	COMMENTS
1	Thomas Jeff.	Curb cut & emergency drive	\$ 6,000.00	\$ -	Concrete	proj. completed
2	Rosemont	Curb cut & emergency drive	\$ 5,500.00	\$ -	Concrete	proj. completed
3	Miller Heights	Miller Heights roof repair - Machemer & Son Inc.	\$ 3,500.00	\$ -	Roofs	proj. completed
4	Thomas Jeff.	Thomas Jefferson Elem. - Whitaker Roofing & Siding Inc.	\$ 291,046.00	\$ 14,552.00	Roofs	proj. completed
	Thomas Jeff.	change order #1 metal deck, roof drains \$15,200	\$ 11,250.00	\$ 562.00	Roofs	proj. completed
5	Donegan	Donegan Elem. - Whitaker Roofing & Siding Inc.	\$ 290,100.00	\$ 10,733.00	Roofs	proj. completed
6	Donegan	Donegan Elem. Slate roof repair - Alan Kunsman Roofing	\$ 2,300.00	\$ -	Roofs	proj. completed
7	Hanover	Hanover Elem. - Whitaker Roofing & Siding Inc.	\$ 310,511.00	\$ 11,488.00	Roofs	work in progress
		change order #1 new roofs, flashing of new roof curbs etc.	\$ 44,000.00	\$ 2,200.00		
8	Lafayette	Lafayette Bldg. re-bid - Jottan Roofing	\$ 102,200.00	\$ 5,110.00	Roofs	proj. completed
		change order #1 roof hatch	\$ 1,500.00		Roofs	proj. completed
9	Rosemont	Rosemont Bldg. re-bid - Jottan Roofing	\$ 175,800.00	\$ 8,790.00	Roofs	proj. completed
		change order #1 roof drains, scuppers	\$ 4,800.00		Roofs	proj. completed
10	VARIOUS	Performance contracting up front cost (annual cost from gen.fund)	\$ 3,382,797.00	\$ 225,000.00	HVAC	SEE ATTACHED SHEET
		change order 1 - ethernet	\$ 29,320.00			
11	Freedom	Acid Neutralization Tank Repairs	\$ 5,700.00	\$ -	HVAC	proj. completed
12	Northeast	Library compressor replacement	\$ 8,678.00	\$ -	HVAC	proj. completed
13	Liberty Comm.	Sample Locker repair	\$ 1,400.00	\$ -	Improvements	proj. completed
14	VARIOUS	Security, fire alarm installation	\$ 8,335.00	\$ -	Improvements	work in progress
15	Liberty Comm.	Locker repairs	\$ 74,785.00	\$ 3,739.00	Improvements	proj. completed
		change order #1 repair lockers in lab ctr.	\$ 26,710.00	\$ 133,550.00		work in progress
16	VARIOUS	TEGG Service Electrical Testing and Preventive Maint.	\$ 66,699.00		Improvements	work in progress
		change order #1 safety & code violations: water penetration	\$ 76,875.00			
17	Freedom	Repair of leak from pool area to switchgear	\$ 15,000.00		Improvements	Proj included in lab. Addition
18	Freedom	Repair Bleachers	\$ 75,000.00		Improvements	Proj included in lab. Addition
19	Freedom	Remove Elevated pre-cast concrete walkway	\$ 150,000.00		Improvements	Proj included in lab. Addition
20	Freedom	Replace exterior doors	\$ 97,000.00		Improvements	Proj included in lab. Addition
21	Freedom	Replace carpet in classrooms w/VCT	\$ 108,500.00		Floor Covering	Proj included in lab. Addition
22	Freedom	Replace carpet in auditorium	\$ 18,000.00		Floor Covering	Proj included in lab. Addition
23	Freedom	Re-surface parking lot at NW end	\$ 66,000.00		Paving	Proj included in lab. Addition
24	Freedom	Seal paving at north end	\$ 12,000.00		Paving	Proj included in lab. Addition
		TOTAL	\$ 5,471,306.00	\$ 283,509.50		
		TOTAL CONSTRUCTION FUNDS ENCUMBERED	\$ 5,754,815.50			

SUMMARY OF WORK PERFORMED UNDER PERFORMANCE CONTRACT

- Lighting system upgrade in seventeen buildings
- Centralized Facility Management System (FMS) in all school buildings
- Replace electric boiler at the Liberty High School Classroom building with gas fired boilers
- Replace electric unit ventilators in Asa Packer Elementary School with air-to-air heat pumps
- Replace two Spencer gas fired boilers in Marvine Elementary School with new high efficiency condensing boilers
- Replace existing all electric roof-top units at William Penn Elementary School with new gas fired and electric cooling roof-top units
- Convert Freedom High School into two pipe heating/cooling system
- Steam trap repair/replacement at Liberty High School Commons Building
- Ceiling tile replacement at Freedom High School cafeteria and ceiling tile replacement at William Penn and Thomas Jefferson Elementary Sc

NO.	SCHOOL	ITEM	CONSTRUCTION COST	FEES & CONT.	FUND CATEGORY	COMMENTS
1	East Hills	Replace stage dimming system & lights	\$ 49,450.00	\$ 2,472.50	Improvements	completed
2	Freedom	Replace stage dimming system	\$ 51,000.00	\$ 2,550.00	Improvements	completed
3	Buchanan	Replace underground fuel tank	\$ 38,762.00	\$ 1,938.10	Fuel Tank	completed
4	Clearview	Replace underground fuel tank	\$ 35,560.00	\$ 1,778.00	Fuel Tank	completed
5	Freedom	Remove underground fuel tank	\$ 5,980.00	\$ 299.00	Fuel Tank	completed
6	Governor Wolf	Replace underground fuel tank	\$ 39,262.00	\$ 1,963.10	Fuel Tank	completed
7	Hanover	Replace underground fuel tank	\$ 36,541.00	\$ 1,827.05	Fuel Tank	completed
8	Maintenance	Replace underground fuel tank	\$ 54,556.00	\$ 2,727.80	Fuel Tank	completed
9	Miller Heights	Replace underground fuel tank	\$ 39,243.00	\$ 1,962.15	Fuel Tank	completed
		contaminated soil removal \$21,000 approved	\$ 20,000.00	\$ 1,000.00		
10	Broughal	Replace roof over gymnasium	\$ 133,815.00	\$ 6,690.75	Roof Work	completed
		change order credit on material allowance	\$ (1,450.00)			
11	Nitschmann	Replace roof over original building	\$ 468,668.00	\$ 23,433.40	Roof Work	completed
		change order #1 fasten roof ins., repair brick parapet \$27,000	\$ 27,000.00	\$ 1,350.00	Roof Work	
		change order credit on material allowance	\$ (2,210.00)			
12	Education Ctr.	Replace roofs	\$ 149,120.00	\$ 7,456.00	Roof Work	completed
13	Education Ctr.	Repair slate roof (included above)	\$ -	\$ -	Roof Work	completed
		change order #1 mechanically fasten roof insulation	\$ 8,400.00	\$ 420.00	Roof Work	completed
		change order credit on material allowance	\$ (1,200.00)			
14	Fountain Hill	Replace roof over original building	\$ 140,375.00	\$ 7,018.75	Roof Work	completed
15	Education Ctr.	Repair water penetr. thru. elec. conduits (incl in TEGG c.o.)	\$ -	\$ -	Improvements	proj. incl. in TEGG
16	Fountain Hill	Relo. Water main from above electric switch gear (incl in TEGG)	\$ -	\$ -	Improvements	proj. incl. in TEGG
17	Liberty Class.	Repair exterior masonry veneer	\$ 458,419.00	\$ 22,920.95	Improvements	completed
18	Liberty Comm.	Repair window sash & hardware	\$ 55,800.00	\$ 2,790.00	Improvements	hold--ESTIMATE
19	Marvine	Repair water penetration through conduits	\$ -	\$ -	Improvements	proj. incl. in TEGG
20	Liberty Comm.	Repair brick masonry parapets & wall areas	\$ 50,900.00	\$ 2,545.00	Improvements	hold--ESTIMATE
21	Nitschmann	Improve window operation in old bldg.	\$ 45,000.00	\$ 2,250.00	Improvements	hold--ESTIMATE
22	VARIOUS	Asbestos abatement associated with performance contracting		\$ -	Asbestos	
	Marvine		\$ 23,673.00	\$ 1,183.65	Asbestos	work completed
	Freedom	original bid + c.o. #1(\$475)	\$ 68,949.00	\$ 3,447.45	Asbestos	work completed
	Liberty		\$ 10,476.00	\$ 523.80	Asbestos	work completed
23	East Hills	Portable for elem. school construction projects 3 YEARS	\$ 419,691.00	\$ 12,421.90	Improvements	work completed
	Liberty High	Portables for lab. ctr. renovation project 1 YEAR	\$ 50,350.00	\$ 1,966.10	Improvements	work completed
		change order #1 intercom, phone, catv, comp. wiring, fire alarm	\$ 90,000.00	\$ 4,500.00	Improvements	work completed
24	Northeast	Clean and line ducts for HVAC system	\$ 170,200.00	\$ 8,510.00	Improvements	work completed
		change order credit on material allowance	\$ (16,000.00)			
25	William Penn	Re-surface bituminous play area	\$ 48,000.00	\$ 2,400.00	Paving	hold--ESTIMATE
26	Marvine	Re-surface drive and play area	\$ 145,000.00	\$ 7,250.00	Paving	hold--ESTIMATE
27	Liberty	Electrical repairs and upgrades	\$ 490,000.00		Improvements	proj. incl. in Liberty Lab renov.
28	Freedom	Replace chiller No. 2 and install backflow preventer on water main	\$ 230,000.00		Improvements	proj. incl. in Freedom lab add.
29	Clearview	Purchase & install two portables (one is Alternate Bid)	\$ 121,475.00	\$ 6,073.00	Improvements	work substantially complete
		change order credit on material allowance	\$ (3,900.00)			
30	Education Ctr.	Repairs to complete HVAC work	\$ 8,000.00		HVAC	
31	VARIOUS	Temp. reloc./storage/equipment/repairs for constr.	\$ 100,000.00		Improvements	ESTIMATE see att. Sheet
		There are other project currently being evaluated and will have to be addressed, these include East Hills carpet, Marvine storm drain repairs, Northeast masonry, etc.				
		TOTAL	\$ 3,858,905.00	\$ 143,668.45		
		TOTAL CONSTRUCTION FUNDS ENCUMBERED	\$ 4,002,573.45			

BASD COMPLETED CAPITAL IMPROVEMENTS 1998 BOND

\$12,279,000

November 1, 1999

School	Item	Estimated Cost	Contract	Change Order	Final Cost	Comments
Northeast	Roof repairs over entire building	\$ 1,200,000.00	\$ 124,950.00	\$ (5,278.50)	\$ 119,671.50	Repairs only
Freedom	Replace roof over entire building	\$ 1,400,000.00	\$ 2,039,000.00	\$ 16,000.00	\$ 2,055,000.00	1.
Liberty	Repl. Roof on aux. gym and repair seams on Lab. Ctr.	\$ 195,000.00	\$ 57,940.00		\$ 57,940.00	Lab Center Repairs Only
Asa- Packer	Replace six air handlers	\$ 200,000.00	\$ 155,700.00	\$ (3,817.00)	\$ 151,883.00	
Fountain Hill	Replace air handlers in open area & ceilings/lights	\$ 385,000.00	\$ 324,000.00	\$ (2,198.05)	\$ 321,801.95	
Nitschmann	Upgrade controls	\$ 50,000.00	\$ 133,900.00		\$ 133,900.00	2.
Nitschmann	Replace A/C in office & faculty room	\$ 100,000.00				2.
Nitschmann	Replace bleachers	\$ 90,000.00	\$ 52,500.00	\$ (5,000.00)	\$ 47,500.00	
East Hills	Replace windows and frames	\$ 440,000.00	\$ 419,410.00		\$ 419,410.00	3.
East Hills	Replace exterior doors and louver screens	\$ 96,000.00				3.
East Hills	Replace portion of sanitary line in building	\$ 150,000.00	\$ 145,400.00	\$ 24,000.00	\$ 169,400.00	
Northeast	Replace emergency battery system & lights	\$ 180,000.00	\$ 211,966.00	\$ (9,759.07)	\$ 202,206.93	4.
Northeast	Upgrade electrical distribution system	\$ 150,000.00				4.
Stad-Mem gym	Replace stadium lighting	\$ 211,500.00	\$ 211,500.00		\$ 211,500.00	
Freedom	Re-finish gym floor	\$ 40,000.00	\$ 17,950.00		\$ 17,950.00	
Freedom	Replace wood shop dust collector	\$ 65,000.00				1.
Freedom	Repair fascia soffit & masonry	\$ 410,000.00				1.
East Hills	Replace carpeting & misc. floor tile	\$ 163,000.00	\$ 127,500.00		\$ 127,500.00	
Wm. Penn	Reconstruct bituminous play area	\$ 48,000.00	\$ 57,475.00		\$ 57,475.00	
Freedom	Reconstruct rear faculty parking lot	\$ 200,000.00	\$ 179,169.00	\$ 43,750.00	\$ 222,919.00	5.
Freemansburg	Repair loading dock area	\$ 35,000.00	\$ 45,633.00		\$ 45,633.00	
Liberty	Replace exterior doors	\$ 95,000.00	\$ 142,450.00		\$ 142,450.00	
Rosemont	Portables for Clearview, Donegan, Marvine phasing	\$ 299,093.00	\$ 299,093.00		\$ 299,093.00	6.
Hanover	Replace underground storm drains	\$ 55,000.00	\$ 30,328.00	\$ (5,495.00)	\$ 24,833.00	
Various	Calypso, Farm., Frmsbg & SG HVAC Control Upgrades	\$ 135,000.00	\$ 135,760.00		\$ 135,760.00	

TOTAL	\$ 6,392,593.00	\$ 4,911,624.00	\$ 52,202.38	\$ 4,963,826.38
FEES & CONTINGENCY	\$ 767,111.16	\$ 245,581.20	\$ 4,187.50	\$ 248,191.32
GRAND TOTAL	\$ 7,159,704.16	\$ 5,157,205.20	\$ 56,389.88	\$ 5,212,017.70

PROJECTS COMPLETED NOT FROM 1998 BOND FUNDS

School	Item	Estimated Cost	Contract	Change Order	Final Cost	Comments
Miller Heights	Eight classroom addition	\$ 1,551,000.00	\$ 1,136,642.00	\$ 54,395.62	\$ 1,191,037.62	7.
Northeast	Replace kitchen walk-through refrigerators & freezers	\$ 100,000.00	\$ 77,639.00	\$ (2,072.00)	\$ 75,567.00	
Transportation	Dumbwaiter installation	\$ 50,000.00	\$ 44,900.00		\$ 44,900.00	

TOTAL	\$ 1,701,000.00	\$ 1,259,181.00	\$ 52,323.62	\$ 1,311,504.62
FEES & CONTINGENCY	\$ 204,120.00	\$ 62,959.05	\$ 2,719.78	\$ 65,575.23
GRAND TOTAL	\$ 1,905,120.00	\$ 1,322,140.05	\$ 55,043.40	\$ 1,377,079.85

- 1 Fascia, soffit and dust collector work was performed under one contract.
- 2 Control upgrades and office HVAC replacement performed under one contract.
- 3 Replacement of windows, window frames, exterior doors and louver screens all performed under one contract.
- 4 Replacement of emergency battery system and lights and electrical upgrade all performed under one contract.
- 5 Resurfacing of the East Hills lot adjacent to the gymnasium and the driveway performed as part of this contract.
- 6 \$72,576.00 for a two year lease.
- 7 Bonus for early substantial completion has been included in the Change Order amount. Also fee must be adjusted.
- * Does not include Change Order Credits.

PROJECTS COMPLETED IN 1998 & 1999

\$12,279,000

November 1, 1999

School	Item	Contract	Change Order	Final Cost	Comments
Northeast	Roof repairs only	\$ 124,950.00	\$ (5,278.50)	\$ 119,671.50	
Freedom	Replace roof over entire building, replace wood shop dust collector, repair fascia soffit & masonry	\$ 2,039,000.00	\$ 16,000.00	\$ 2,055,000.00	
Liberty	Roof repairs on Lab Center	\$ 57,940.00		\$ 54,514.03	Lab Center Repairs Only
Asa- Packer	Replace six air handlers	\$ 155,700.00	\$ (3,817.00)	\$ 151,883.00	
Fountain Hill	Replace air handlers in open area & ceilings/lights	\$ 324,000.00	\$ (2,198.05)	\$ 321,801.95	
Nitschmann	Upgrade controls & replace A/C in office & faculty room	\$ 133,900.00		\$ 133,900.00	
Nitschmann	Replace bleachers	\$ 52,500.00	\$ (5,000.00)	\$ 47,500.00	
East Hills	Replace windows and frames & exterior doors and louver screens	\$ 419,410.00		\$ 419,410.00	
East Hills	Replace portion of sanitary line in building	\$ 145,400.00	\$ 24,000.00	\$ 166,400.00	\$3,000.00 credit
Northeast	Replace emergency battery system & lights, upgrade electrical distribution system	\$ 211,966.00	\$ (9,759.07)	\$ 202,206.93	
Stad-Mem gym	Replace stadium lighting	\$ 211,500.00		\$ 211,500.00	
Freedom	Re-finish gym floor	\$ 17,950.00		\$ 17,950.00	
East Hills	Replace carpeting & misc. floor tile	\$ 127,500.00		\$ 127,500.00	
Wm. Penn	Reconstruct bituminous play area	\$ 57,475.00		\$ 57,475.00	
Freedom	Reconstruct rear faculty parking lot & East Hills lot @ portables	\$ 179,169.00	\$ 43,750.00	\$ 222,919.00	
Freemansburg	Repair loading dock area	\$ 45,633.00		\$ 45,633.00	
Rosemont	Portables for Clearview, Donegan, Marvine phasing	\$ 299,093.00		\$ 299,093.00	1.
Hanover	Replace underground storm drains	\$ 30,328.00	\$ (5,495.00)	\$ 24,833.00	
Various	Calypso, Farm., Frmsbg & SG HVAC Control Upgrades	\$ 135,760.00		\$ 135,760.00	
TOTAL		\$ 4,769,174.00	\$ 52,202.38	\$ 4,814,950.41	
FEES & CONTINGENCY		\$ 238,458.70	\$ 4,187.50	\$ 240,747.52	
GRAND TOTAL		\$ 5,007,632.70	\$ 56,389.88	\$ 5,055,697.93	

PROJECTS COMPLETED NOT FROM 1998 BOND FUNDS

School	Item	Contract	Change Order	Final Cost	Comments
Miller Heights	Eight classroom addition	\$ 1,136,642.00	\$ 54,395.62	\$ 1,191,037.62	2.
Northeast	Replace kitchen walk-through refrigerators & freezers	\$ 77,639.00	\$ (2,072.00)	\$ 75,567.00	
Transportation	Dumbwaiter installation	\$ 44,900.00		\$ 44,900.00	
TOTAL		\$ 1,259,181.00	\$ 52,323.62	\$ 1,311,504.62	
FEES & CONTINGENCY		\$ 62,959.05	\$ 2,719.78	\$ 65,575.23	
GRAND TOTAL		\$ 1,322,140.05	\$ 55,043.40	\$ 1,377,079.85	

1 \$72,576.00 for a two year lease.

2 Bonus for early substantial completion has been included in the Change Order amount. Also Fee must be adjusted.

PROJECTS COMPLETED IN 2000 & 2001

October 1, 2001

School	Item	Contract	Change Order	Final Cost	Comments
2000					
Liberty	Fire alarm system, auditorium sound and lighting system E.C.	\$ 462,369.00	\$ 73,897.00	\$ 536,266.00	smoke detectors & existing HVAC equip., existing PA system
	Sound	\$ 149,060.00	\$ 1,689.00	\$ 150,749.00	
	A.C.	\$ 127,000.00	\$ (209.00)	\$ 126,791.00	
Liberty Classroom Ctr.	Replace roof	\$ 415,000.00		\$ 415,000.00	
Freemansburg	Replace roof	\$ 325,000.00	\$ (8,801.50)	\$ 316,198.50	
Spring Garden	Replace roof	\$ 510,000.00	\$ (10,136.39)	\$ 499,863.61	
Maintenance Building	Replace roof	\$ 193,760.00	\$ (1,173.40)	\$ 192,586.60	
Liberty Classroom Ctr.	Replace cooling tower	\$ 53,410.00		\$ 53,410.00	
Liberty Common Bldg.	Replace exterior doors	\$ 142,450.00		\$ 142,450.00	
Northeast	Camera monitoring	\$ 19,394.00	\$ (922.00)	\$ 18,472.00	
Nitschmann	Camera monitoring	\$ 17,679.00	\$ (1,240.00)	\$ 16,439.00	
East Hills	Camera monitoring	\$ 20,167.00	\$ (574.00)	\$ 19,593.00	
Broughal	Camera monitoring	\$ 15,897.00	\$ (1,240.00)	\$ 14,657.00	
Liberty	Camera monitoring	\$ 32,563.00		\$ 32,563.00	
Freedom	Camera monitoring	\$ 18,394.00		\$ 18,394.00	
2001					
Miller Heights	Walking path along Klein Street	\$ 18,000.00		\$ 18,000.00	
Liberty	Auditorium doors exit hardware	\$ 22,000.00		\$ 22,000.00	
William Penn	Replace roof	\$ 477,775.00		\$ 477,775.00	
BASD Stadium	All weather track & ADA lift	\$ 872,213.00	\$ 59,000.00	\$ 931,213.00	sewer linge, utility lines unsuitable soils
Freedom	Water line for fields through BAVTS	\$ 44,000.00		\$ 44,000.00	
Liberty	Sign	\$ 64,650.00		\$ 64,650.00	

TOTAL	\$ 4,000,781.00	\$ 110,289.71	\$ 4,002,420.71
FEES & CONTINGENCY	\$ 200,039.05	\$ 6,729.30	\$ 200,121.04
GRAND TOTAL	\$ 4,200,820.05	\$ 117,019.01	\$ 4,202,541.75

PROJECTS COMPLETED IN 2002**October 7, 2002**

School	Item	Contract	Change Order	Final Cost	Comments
Freedom	Rain leader repairs	\$ 20,478.00		\$ 20,478.00	
Freedom	Elevator Modernization	\$ 981,000.00		\$ 981,000.00	
Liberty	General Construction	\$ 47,800.00		\$ 47,800.00	
East Hills	Electrical Construction	\$ 27,727.00		\$ 27,727.00	
Fountain Hill					
Nitschmann					
Broughal					
Northeast					
East Hills	Cooling tower and chiller replacement	\$ 414,012.00		\$ 414,012.00	
	Asbestos abatement	\$ 10,000.00		\$ 10,000.00	
Lafayette	Demolition of building and site improvements (site)	\$ 714,275.00		\$ 714,275.00	
Maintenance Annex	Mechanical	\$ 67,000.00		\$ 67,000.00	
	Electrical	\$ 34,999.00		\$ 34,999.00	
Rosemont	Miscellaneous Improvements General Contractor	\$ 66,750.00		\$ 66,750.00	
	Site	\$ 72,400.00		\$ 72,400.00	
	Electrical	\$ 81,000.00		\$ 81,000.00	
	HVAC	\$ 99,500.00		\$ 99,500.00	
Monocacy	Miscellaneous Improvements	\$ 131,500.00		\$ 131,500.00	
	Electrical	\$ 24,300.00		\$ 24,300.00	
Calypso	Stormwater control	\$ 35,300.00		\$ 35,300.00	
Liberty	Auditorium, Cafeteria & Band Room HVAC	\$ 1,618,000.00		\$ 1,618,000.00	
	Electrical	\$ 156,854.00		\$ 156,854.00	
Miscellaneous	Backflow preventors and plumbing District wide (Rosemont, Monocacy, Asa Packer, East Hills, Fountaint Hill, Liberty, Nitschmann)	\$ 166,171.00		\$ 166,171.00	
Miscellaneous	Asbestos removals at Rosemont	\$ 9,750.00		\$ 9,750.00	
	Asbestos removals at Liberty	\$ 4,500.00		\$ 4,500.00	
	Asbestos removals at Nitschmann	\$ 5,500.00		\$ 5,500.00	
Freedom	Replace exterior bleachers	Being Bid		\$ 40,000.00	Estimated Cost
Farmersville	William Penn Road Improvements	In Design Phase		\$ 350,000.00	Estimated Cost

TOTAL \$ 4,788,816.00 \$ 5,178,816.00

FEES & CONTINGENCY \$ 335,217.12 \$ 362,517.12

GRAND TOTAL \$ 5,124,033.12 \$ 5,541,333.12

PROJECTS COMPLETED IN 2003**February 2, 2004**

School	Item	Contract	Change Order	Final Cost	Comments
Freedom	Replace exterior bleachers	\$ 40,750.00	\$ (900.00)	\$ 39,850.00	
Farmersville	William Penn Road Improvements	\$ 185,783.00		\$ 185,783.00	
Buchanan	Replace sewer line toward Route 378	\$ 17,180.00		\$ 17,180.00	
Freedom	Replace auditorium sound system	\$ 134,396.00		\$ 134,396.00	
Freedom	Enclosures for auditorium air handlers	\$ 24,750.00		\$ 24,750.00	
Freedom	Enclosures for auditorium air handlers	\$ 6,650.00		\$ 6,650.00	
Freedom	Concession stand	\$ 25,000.00		\$ 25,000.00	
Freedom	Folding door for Monagacci	\$ 34,050.00		\$ 34,050.00	
Ed Center	H.R. office area	\$ 22,015.00		\$ 22,015.00	
Ed Center	H.R. office area	\$ 4,700.00		\$ 4,700.00	
Liberty	Lab center dust collector	\$ 22,503.00		\$ 22,503.00	
Miller Heights	Parking lot lights	\$ 9,998.00		\$ 9,998.00	

TOTAL	\$	527,775.00		\$	526,875.00
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FEES & CONTINGENCY	\$	36,944.25		\$	36,881.25
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GRAND TOTAL	\$	564,719.25		\$	563,756.25
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PROJECTS COMPLETED IN 2004**November 1, 2004**

School	Item	Contract	Change Order	Final Cost	Comments
Freedom Asa Packer Elementary	Replace HVAC in Student Service Area Replace HVAC in Administration Area	\$ 227,000.00	\$ (2,826.96)	\$ 224,173.04	
Nitschmann	Flooring replacement	\$ 92,545.00	\$ -	\$ 92,545.00	
Nitschmann	Asbestos abatement for flooring replacement	\$ 22,100.00	\$ -	\$ 22,100.00	
Governor Wolf	Bituminous walkway	\$ 11,975.00	\$ -	\$ 11,975.00	
Bus Transportation	Fuel tank settlement repair	\$ 79,400.00	\$ -	\$ 79,400.00	
Asa Packer Elementary	Paving and sidewalk reconstruction	\$ 347,450.00	\$ 43,000.00	\$ 390,450.00	
Liberty	Grenadier Boulevard parking lot reconstruction	\$ 109,020.00	\$ 20,000.00	\$ 129,020.00	
Rosemont	Paving and sidewalk repairs	\$ 57,215.00	\$ (22,000.00)	\$ 35,215.00	
Thomas Jefferson	Concrete entryway repairs	\$ 41,285.00	\$ -	\$ 41,285.00	
Thomas Jefferson	Elevated walkway repairs	\$ 59,225.00	\$ 9,425.00	\$ 68,650.00	
William Penn	Elevated walkway repairs	\$ 59,225.00	\$ -	\$ 59,225.00	
Various	Masonry repairs at various facilities	\$ 214,000.00	\$ -	\$ 214,000.00	
Freedom	Window replacement	\$ 190,877.00	\$ (7,673.00)	\$ 183,204.00	
Asa Packer Elementary	Glazing and glass replacement	\$ 54,000.00	\$ (1,745.00)	\$ 52,255.00	
Education Center	Card Access and Fire Alarm System	\$ 52,205.00		\$ 52,205.00	

TOTAL	\$ 1,617,522.00	\$ 1,655,702.04
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FEES & CONTINGENCY	\$ 113,226.54	\$ 115,899.14
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GRAND TOTAL	\$ 1,730,748.54	\$ 1,771,601.18
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PROJECTS COMPLETED IN 2005**November 7, 2005**

School	Item	Contract	Change Order	Final Cost	Comments
SPARK	Various capital improvements	\$ 903,794.00	\$ 25,486.00	\$ 929,280.00	
BASD Stadium	Synthetic turf	\$ 727,000.00	\$ 60,000.00	\$ -	Funds not from BASD
IT Center	Varous capital improvements	\$ 331,957.00	\$ -	\$ 331,957.00	
Freedom	Replace baseball field fence and install warning track	\$ 24,000.00	\$ -	\$ 24,000.00	

TOTAL	\$	1,986,751.00		\$	1,285,237.00
FEES & CONTINGENCY	\$	139,072.57		\$	89,966.59
GRAND TOTAL	\$	2,125,823.57		\$	1,375,203.59

PROJECTS COMPLETED IN 2006

January 1, 2007

School	Item	Contract	Change Order	Final Cost	Comments
Nitschmann & LHS Pressbox	Roof Replacement	\$ 473,240.00	\$ (13,112.00)	\$ 460,128.00	
Fountain Hill	Roof Replacement	\$ 480,910.00	\$ 10,818.00	\$ 491,728.00	
Fountain Hill	Office Area HVAC Replacement	\$ 128,000.00	\$ (12,100.00)	\$ 115,900.00	
Calypso	Fuel Oil Line Repairs				
Asa Packer	Floor Replacement	\$ 88,535.00	\$ (10,920.00)	\$ 77,615.00	
Asa Packer	Asbestos Floor Tile Abatement	\$ 50,366.00	\$ -	\$ 50,366.00	
Miscellaneous	Masonry Repairs & Roof Maintenance	\$ 136,116.00	\$ -	\$ 136,116.00	
Freedom	Stage Rigging Repairs	\$ 91,412.00	\$ 3,842.59	\$ 95,254.59	
East Hills	Ceiling Repair at Library	\$ 55,600.00	\$ (1,000.00)	\$ 54,600.00	
Nitschmann	Electrical Work for Window Air Conditioning Units	\$ 25,500.00	\$ -	\$ 25,500.00	

TOTAL	\$	1,529,679.00	\$	1,507,207.59
FEES & CONTINGENCY	\$	107,077.53	\$	105,504.53
GRAND TOTAL	\$	1,636,756.53	\$	1,612,712.12

PROJECTS COMPLETED IN 2007

November 12, 2007

School	Item	Contract	Change Order	Final Cost	Comments
Fountain Hill	Replace ceiling, lights and HVAC in gym, refinish floor & paint walls	\$ 336,500.00	\$ -	\$ 336,500.00	Completed August 15, 2007
Freshman Center (Old Northeast)	Roof repairs to correct leaks	\$ -	\$ -	\$ -	BASD Maintenance
Freemansburg	Miscellaneous masonry and roof repairs	\$ 7,104.00	\$ -		
Farmersville	Miscellaneous masonry and roof repairs	\$ 3,274.00	\$ -		
Fountain Hill	Replace roof over 3-story section	\$ 112,110.00	\$ -		
East Hills	Re-coating existing single-ply membrane of east wing	\$ 155,958.00	\$ -		
Calypso	New substrate and membrane roof	\$ 163,084.00	\$ (3,632.00)		
	Total roof	\$ 441,530.00	\$ (3,632.00)	\$ 437,898.00	Completed August 31, 2007
Various	New overlay on transportation lot, seal bituminous paving at Freedom and East Hills	\$ 189,993.00	\$ -	\$ 189,993.00	Completed August 15, 2007
East Hills & FHS Faculty lot	Exterior lighting installation	\$ 99,900.00	\$ -	\$ 99,900.00	Completed August 31, 2007
Various	Floor replacement: Freemansburg gymnasium, Freedom HS Library, Fountain Hill offices and Library	\$ 60,224.00	\$ (3,786.00)	\$ 56,438.00	Completed August 31, 2007
Freedom HS	Tennis court re-coating and repairs	\$ 24,800.00	\$ -	\$ 24,800.00	Completed July 31, 2007
Freedom HS	Old locker area: replace ceiling, repaint lockers, replace lights and paint all areas	\$ 130,000.00	\$ (444.00)	\$ 129,556.00	Completed October 15, 2007

TOTAL	\$	1,282,947.00		\$	1,275,085.00
FEES	\$	83,391.56		\$	82,880.53
GRAND TOTAL	\$	1,366,338.56		\$	1,357,965.53

PROJECTS COMPLETED IN 2008

October 6, 2008

School	Item	Contract	Change Order	Final Cost	Comments
Thomas Jefferson Elementary	Fire Alarm System Replacement	\$ 43,210	\$ -	\$ 43,210	
William Penn Elementary	Fire Alarm System Replacement	\$ 43,210	\$ -	\$ 43,210	
Spring Garden Elementary School	Roof repairs (overlay)	\$ 94,500	\$ (6,313)	\$ 88,187	
Transportation Building	Roof Coating	\$ 63,000	\$ (5,000)	\$ 58,000	
East Hills Middle School	Roof Replacement	\$ 1,799,000	\$ (38,820)	\$ 1,760,180	
Freedom High School	Surveillance Camera System	\$ 79,244	\$ (3,768)	\$ 75,476	
Freedom High School	HVAC Upgrade (IT Department)	\$ 136,000	\$ (1,950)	\$ 134,050	
Freedom High School	Emergency Power System Installation (IT Department UPS)	\$ 119,250	\$ -	\$ 119,250	
Nitschmann Middle School	Floor Repairs	\$ 43,624	\$ -	\$ 43,624	

TOTAL	\$	2,421,038	\$	(55,851)	\$	2,365,187
FEES & CONTINGENCY	\$	157,367			\$	157,367
GRAND TOTAL	\$	2,578,405			\$	2,522,554

PROJECTS COMPLETED IN 2009

November 9, 2009

School	Item	Contract	Change Order	Final Cost	Comments
Asa Packer Elementary	Fire Alarm System Replacement	\$ 58,385	\$ (8,004)	\$ 50,381	
Asa Packer Elementary	Roof Replacement	\$ 262,300	\$ (25,000)	\$ 237,300	
Farmersville Elementary	Roof Replacement	\$ 340,130	\$ (20,800)	\$ 319,330	
Freemansburg Elementary	Roof Replacement on Multi-Purpose Room	\$ 92,450	\$ (2,935)	\$ 89,515	

TOTAL	\$	753,265	\$	(56,739)	\$	696,526
FEES & CONTINGENCY	\$	45,487			\$	45,487
GRAND TOTAL	\$	798,752			\$	742,013

PROJECTS COMPLETED IN 2010

November 8, 2010

School	Item	Contract	Change Order	Final Cost	Comments
Freedom High School	Repair/Retrofit handrails adjacent to elevator	\$ 43,194	\$ (2,088)	\$ 41,106	
Fremansburg Elementary	Mold remediation in east wing	\$ 87,900	\$ 2,844	\$ 90,744	

TOTAL	\$	131,094	\$	756	\$	131,850
FEES & CONTINGENCY	\$	46,308			\$	46,308
GRAND TOTAL	\$	177,402			\$	178,158

PROJECTS COMPLETED IN 2011

November 7, 2011

School	Item	Contract	Change Order	Final Cost	Comments
Freedom High School	Resurface faculty parking lot	\$ 151,648	\$ -	\$ 151,648	
Fremansburg Elementary	Replace office air handler	\$ 18,900	\$ -	\$ 18,900	
Fountain Hill	Replace water heater	\$ 52,800	\$ -	\$ 52,800	
Nitschmann	Replace boilers in west boiler room and extend gas	\$ 453,261	\$ -	\$ 453,261	
Nitschmann	UGI costs for gas service	\$ 65,000	\$ -	\$ 65,000	

TOTAL	\$	741,609	\$	-	\$	741,609
FEES & CONTINGENCY 6.5%	\$	48,205			\$	48,205
GRAND TOTAL	\$	789,814			\$	789,814

PROJECTS COMPLETED IN 2012

November 5, 2012

School	Item	Contract	Change Order	Final Cost	Comments
Stadium	Column Repairs	\$ 644,720	\$ 7,115	\$ 651,835	
Hanover, East Hills, Liberty	Roof and masonry repairs	\$ 179,818	\$ -	\$ 179,818	
East Hills, Governor Wolf, Spring Garden	Lighting retrofit	\$ 106,055	\$ -	\$ 106,055	
Nitschmann	Locker room heat	\$ 39,265	\$ -	\$ 39,265	

TOTAL	\$	969,858	\$	7,115	\$	976,973
FEES & CONTINGENCY 6.5%	\$	63,041			\$	63,503
GRAND TOTAL	\$	1,032,899			\$	1,040,477

PROJECTS COMPLETED IN 2013

November 11, 2013

School	Item	Contract	Change Order	Final Cost	Comments
Thomas Jefferson, Spring Garden & Farmersville	Repair storm systems	\$ 71,700		\$ 71,700	
BASD Stadium	Replace emergency generator	\$ 18,490		\$ 18,490	
Lincoln	Replace boilers	\$ 178,500		\$ 178,500	
LHS Classroom Center	Replace condensor water piping	\$ 133,400		\$ 133,400	
Broughal	Install Planetarium seating	\$ 23,810		\$ 23,810	
District-wide	Install limited card access system	\$ 672,014		\$ 672,014	
Liberty	Recoat tennis courts	\$ 15,450		\$ 15,450	

TOTAL	\$	1,113,364	\$	-	\$	1,113,364
FEES & CONTINGENCY 6.5%	\$	72,369			\$	72,369
GRAND TOTAL	\$	1,185,733			\$	1,185,733

PROJECTS COMPLETED IN 2014

November 3, 2014

School	Item	Contract	Change Order	Final Cost	Comments
Asa Packer Elementary School	Generator Replacement	\$ 81,899	\$0	\$ 81,899	
Spring Garden Elementary School SPARK Liberty High School	Gym Roof Replacement Roof Replacement at Multi-Purpose Room Roof Repairs and coating on Auditorium roof	\$ 230,100	-\$12,100	\$ 218,000	
Donegan Elementary and East Hills Schools	Masonry Repairs	\$ 141,168	\$19,284	\$ 160,452	
Education Center	Paving Repairs	\$ 212,734	\$0	\$ 212,734	
Liberty High School	Security Cameras Installation	\$ 70,688		\$ 70,688	
Liberty High School	Security Cameras products	\$ 146,440		\$ 146,440	

TOTAL	\$	883,029	\$	7,184	\$	890,213
FEES & CONTINGENCY 6.5%	\$	57,397			\$	57,864
GRAND TOTAL	\$	940,426			\$	948,077

PROJECTS COMPLETED IN 2015

2015

School	Item	Contract	Change Order	Final Cost	Comments
Miller Heights Elementary School	Roof Replacement	\$ 751,800	\$14,000	\$ 765,800	
East Hills Middle School	Security Camera Installation	\$ 36,722		\$ 36,722	
East Hills Middle School	Security Camera Equipment	\$ 122,463		\$ 122,463	
East Hills Middle School	Cafeteria Floor Tile Replacement	\$ 69,500	\$0	\$ 69,500	
Broughal Middle School	SEMCO Wheel Replacement	\$ 56,000	-\$4,700	\$ 51,300	

TOTAL	\$	1,036,485	\$	9,300	\$	1,045,785
FEES & CONTINGENCY 6.5%	\$	67,372			\$	67,976
GRAND TOTAL	\$	1,103,857			\$	1,113,761

PROJECTS COMPLETED IN 2016

September 2016

School	Item	Contract	Change Order	Final Cost	Comments
BASD Maintenance	Boiler Replacement	\$ 38,000		\$ 38,000	
BASD Stadium	Turf Replacement	\$ 612,722	-\$30,000	\$ 582,722	
BASD Stadium	Track Resurfacing	\$ 169,500	-\$12,800	\$ 156,700	
SPARK	Roof Replacement	\$ 289,995	-\$3,741	\$ 286,254	
Thomas Jefferson & Fountain Hill	Roof Coating & Miscellaneous Repairs	\$ 138,010		\$ 138,010	
Northeast	Masonry Limited Repairs	\$ 57,559		\$ 57,559	
Northeast	New Security Cameras	\$ 40,839		\$ 40,839	
Northeast	Purchase of Security Camera Equipment	\$ 95,129		\$ 95,129	
Freedom HS	New Multi-Purpose Turf Field	\$ 2,212,800	\$78,734	\$ 2,291,534	
Freedom HS	New All-Weather Track	\$ 1,020,500	¹ -\$15,000	\$ 1,005,500	

TOTAL	\$	4,675,054	\$	17,193	\$	4,692,247	
FEES 6.5%	\$	308,996			\$	470,796	Total of Fees & Expenses
Construction Testing Turf/Track	\$	41,000					
Land Development & Approvals Turf/Track	\$	59,325					
Site Survey Turf/Track	\$	19,425					
Geotech	\$	3,139					
UGI Gas Line Relocation	\$	38,911					
GRAND TOTAL	\$	5,145,850			\$	5,163,043	

1 - Pending Final Change Order

PROJECTS COMPLETED IN 2017

September 2017

School	Item	Contract	Change Order	Final Cost	Comments
Fountain Hill	Replace chiller	\$ 353,889	TBD	\$ 353,889	
East Hills	Steam boiler replacement, Air Handler, Dehumidification, HVAC	\$ 3,038,000	TBD	\$ 3,038,000	
East Hills	Automatic Temperature Control (ATC) allowance	\$ 347,500	\$0	\$ 347,500	
SPARK	Replace water heater and hot water return pump (by BASD)				

TOTAL	\$	3,739,389	\$	-	\$	3,739,389	
FEES 6.5%	\$	243,060			\$	243,060	Total of Fees & Expenses

GRAND TOTAL	\$	3,982,449			\$	3,982,449	
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PROJECTS COMPLETED IN 2018

October 8, 2018

School	Item	Contract	Change Order	Final Cost	Comments
Stadium	Repaint Stadium Stands & Handrail Repairs	\$ 1,280,824	-\$12,000	\$ 1,268,824	Home side grandstands to be completed in the summer of 2019.
East Hills	Replace carpeting in rooms w/VCT	\$ 111,740	-\$8,176	\$ 103,564	
Freedom	Renovations for Project Lead the Way	\$ 280,036		\$ 280,036	
Freedom	Hot water heater installation	\$ 98,500	\$12,452	\$ 110,952	
Freedom / East Hills	Paving adjacent to East Hills / Freedom lot	\$ 444,231		\$ 444,231	
Ed Center	Roof warranty maintenance	\$ 57,793		\$ 57,793	

TOTAL	\$	2,273,124	\$	(7,724)	\$	2,265,400	
FEES 6.5%	\$	147,753			\$	147,753	Total of Fees & Expenses
GRAND TOTAL	\$	2,420,877			\$	2,413,153	

PROJECTS COMPLETED IN 2019

November 11, 2019

School	Item	Contract	Change Order	Final Cost	Comments
Stadium	Repaint Stadium Stands & Handrail Repairs	\$ 1,280,824	-\$16,040	\$ 1,264,784	Home side grandstands were completed in the summer of 2019.
Liberty High School Commons Building	Roof Replacement and Masonry Repairs	\$ 1,585,247	\$0	\$ 1,585,247	
Clearview Elementary School	Boiler Replacement	\$ 315,955	-\$11,696	\$ 304,259	

TOTAL	\$	3,182,026	\$	(27,736)	\$	3,154,290	
FEES 6.5%	\$	206,832			\$	206,832	Total of Fees & Expenses
GRAND TOTAL	\$	3,388,858			\$	3,361,122	

PROJECTS COMPLETED IN 2020

October 5, 2020

School	Item	Contract	Change Order	Final Cost	Comments
Asa Packer	Replace heat pumps and air handlers	\$ 3,511,250	\$138,807	\$ 3,650,057	- Change orders include permitting and classroom casework replacement - Projected credit change order for remaining allowance \$75,000
	Replace ceiling tiles in building (included above)			\$ -	
	Repair cracks and paint classrooms (included above)			\$ -	
	Replace interior lighting (improve energy savings)(included above)			\$ -	
	New window shades and blinds, etc. (included above)			\$ -	
Northeast	Masonry repairs at cooling tower screen wall	\$ 113,400	-\$3,992	\$ 109,408	
Spring Garden	Replace UV's and install active dehumidification system	\$ 4,206,570	-\$68,042	\$ 4,138,528	- Change order includes permitting - Projected credit change order for remaining allowance \$150,000
	Replace interior lighting (improve energy savings) (included above)			\$ -	
	Replace ceiling tiles (included above)			\$ -	

TOTAL	\$	7,831,220	\$	66,773	\$	7,897,993	
FEES 6.5%	\$	509,029	\$	4,340	\$	513,370	Total of Fees & Expenses
CONSTRUCTION OBSERVATION FOR HVAC (ASA PACKER & SPRING GARDEN)	\$	75,000			\$	75,000	
DEI COVID-19 Directive Costs & COVID-19 Hygenist (ASA PACKER & SPRING GARDEN)	\$	30,005			\$	30,005	
GRAND TOTAL	\$	8,445,254			\$	8,516,368	

PROJECTS COMPLETED IN 2021

November 3, 2021

School	Item	Contract	Change Order	Final Cost	Comments
Farmersville ES	HVAC Replacement including replacement of ceiling tile and grid	\$ 4,587,817	\$0	\$ 4,587,817	
	Replacement of lighting fixtures and installation of poer connections to new equipment				
SPARK Center	Exterior Restoration - Window replacement	\$ 306,400	\$0	\$ 306,400	
	Alternate Salt Shed repairs and Canopy ceiling panel replacement				
Stadium / Education Center	Security Camera Cabling	\$ 60,000	-\$31,371	\$ 28,629	
Broughal Middle School	Parking Deck Repairs	\$ 296,888	-\$1,205	\$ 295,683	
Transportation Building	Bus lift demolition and repairs	\$ 100,200	\$0	\$ 100,200	

TOTAL \$ 5,351,305 \$ (32,576) \$ 5,318,729

FEES 6.5% \$ 347,835 \$ (2,117) \$ 345,717 Total of Fees & Expenses

GRAND TOTAL \$ 5,699,140 \$ 5,664,447

PROJECTS COMPLETED IN 2022

October 10, 2022

School	Item	Contract	Change Order	Final Cost	Comments
Freemansburg ES	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$ 5,349,101	\$0	\$ 5,349,101	
Calypso ES	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$ 4,451,136	\$0	\$ 4,451,136	
Governor Wolf ES	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$ 5,112,000	\$0	\$ 5,112,000	
Freedom / Governor Wolf	Repair and recoat roof for extended warranty	\$ 1,236,820	\$350,000	\$ 1,586,820	

TOTAL \$ 16,149,057 \$ 350,000 \$ 16,499,057

FEES 6.5% \$ 1,049,689 \$ 22,750 \$ 1,072,439 Total of Fees & Expenses

GRAND TOTAL \$ 17,198,746 \$ 17,571,496

PROJECTS COMPLETED IN 2023

November 6, 2023

School	Item	Contract	Change Order	Final Cost	Comments
Maintenance Building	Replace the Fuel pumping and monitoring station at BASD Maintenance Building.	\$ 150,000	\$60,000	\$ 210,000	
Transportation Building	Replace the Fuel pumping and monitoring station at BASD Transportation Building.	\$ 297,400		\$ 297,400	
Miller Heights Elementary School	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$ 5,836,700	\$0	\$ 5,836,700	Total for EC & MC contracts
James Buchanan Elementary School	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$ 4,287,373	\$0	\$ 4,287,373	Total for EC & MC contracts
Hanover Elementary School	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$ 3,983,820	\$0	\$ 3,983,820	Total for EC & MC contracts
Thomas Jefferson/William Penn Elementary Schools	Replaced existing precast concrete guardrails with new painted tube steel guardrails.	\$ 369,744	-\$5,106	\$ 364,638	CO for unused material allowances
SPARK Building	Paving repairs and replacement, including limited stormwater management.	\$ 275,909	\$105,000	\$ 380,909	
Liberty High School	Partial roof replacement at the Liberty High School Wrestling Room.	\$ 176,210	\$0	\$ 176,210	
Freedom High School	Partial repair of the roof at the Freedom High School Science Wing.	\$ 275,100	\$0	\$ 275,100	

TOTAL \$ 15,652,256 \$ 159,894 \$ 15,812,150

FEES 6.5% \$ 1,017,397 \$ 10,393 \$ 1,027,790 Total of Fees & Expenses

GRAND TOTAL \$ 16,669,653 \$ 16,839,940

TAB 8

SUMMARY OF RECENT BOND CONSTRUCTION (RENOVATION & ADDITION) PROJECTS

BETHLEHEM AREA SCHOOL DISTRICT CAPITAL IMPROVEMENT PLAN

SUMMARY OF MAJOR RENOVATIONS AND NEW CONSTRUCTION

November 6, 2023

Project	New Construction Sq. Ft.	Renovation Sq. Ft.	Other Work	Project Cost	Year
Spring Garden Elementary School	28,500	38,000	Site Work	\$ 5,795,682.00	1991
Freemansburg Elementary School	29,000	18,000	Site Work	\$ 5,307,058.00	1991
Fountain Hill Elementary School	10,700	Minor	Site Work	\$ 2,345,533.00	1994
Farmersville Elementary School	34,800	27,000	Site Work	\$ 7,202,752.00	1996
Calypso Elementary School	34,000		Demolition of Existing Building & Site Work	\$ 4,033,954.00	1996
East Hills Middle School	52,000		Minor Site Work	\$ 5,179,067.00	1995
Nitschmann Middle School	17,700	Minimal	Parking Lot	\$ 2,701,785.00	1995
Transportation Facility	12,200		Site Work	\$ 1,703,448.00	1995
Freedom High School & IMC	29,611	Miscellaneous Floors & Doors	Misc. Site Work & Overhead Walkway Demolition	\$ 4,402,000.00	1998
Liberty High School Lab Center	4,513	71,961	Misc. Driveway & Electrical Repairs for Commons Bldg.	\$ 7,489,308.00	1998
Miller Heights Elementary School	4,643	36,220	Site Work	\$ 3,853,000.00	1998
Hanover Elementary School	1,650	28,660	Site Work	\$ 3,056,000.00	1998
Governor Wolf Elementary School	4,800	43,200	Site Work	\$ 4,618,296.00	1999
Buchanan Elementary School	450	32,600	Site Work	\$ 3,842,496.00	1999
Miller Heights Eight Classroom Addition	9,800		Miscellaneous Site Work	\$ 1,299,418.00	1999
Lincoln Elementary School	54,200		Demolition of Existing Building & Site Work	\$ 7,222,427.00	2000
Clearview Elementary School	16,300	38,700	Site Work	\$ 6,685,001.00	2000
Donegan Elementary School	71,000		Demolition of Existing Building & Site Work	\$ 10,999,300.00	2001
Marvine Elementary School	55,400		Demolition of Existing Building & Site Work	\$ 8,328,646.00	2001
New Northeast Middle School	187,000		Site Work	\$ 28,700,000.00	2005
Freedom High School	110,000		Associated Site Work & Minimal Existing Renov.	\$ 30,350,000.00	2007
Liberty High School	120,000	255,000	Lab Center not renovated	\$ 66,307,000.00	2008
Broughal Middle School	187,000		Parking Deck and new field, existing 120,000 sq.ft. building demolished	\$ 56,746,000.00	2009
Northeast Middle School			Demolition of building and construction of fields	\$ 2,847,842.00	2011
Nitschmann Middle School	179,984		Construction of new building, Demolition of existing building, Construction of sports field (\$2 Mil credit for ACE Grant)	\$ 52,206,238.00	2017
Totals	1,255,251	589,341	-----	\$ 333,222,251.00	-----

TAB 9

**RECOMMENDATIONS ITEMIZED
BY PRIORITY FOR ALL WORK
OTHER THAN THE BUILDINGS
SLATED FOR
MAJOR CONSTRUCTION
PROJECTS IN THE 10 YEAR PLAN**

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY PRIORITY WITHOUT SELECTED SCHOOLS
(FOUNTAIN HILL, THOMAS JEFFERSON, & WILLIAM PENN)

mp2000b

November 6, 2023

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	2023	CATEGORY
										COST	
Freedom	Replace boilers, pumps, and controls in original mechanical room	4	4	4	3	4	5	3	10	\$ 800,000	HV
									TOTAL	\$ 800,000	
Stad-Mem Gym	Grandstand concrete stair replacement	5	2	5	3	3	5	3	9	\$ 1,176,000	CO
Freedom	Replace Water Heaters in 2005 addition	4	3	5	4	1	4	3	9	\$ 250,000	P
Stad-Mem Gym	Replace domestic hot water system at field house	4	3	5	4	1	5	2	9	\$ 228,690	P
Freedom	Install hot/chilled water piping filter system including flushing and water treatment	3	3	4	4	4	4	3	9	\$ 225,000	HV
									TOTAL	\$ 1,879,690	
Northeast	Replace (1) HRU at Gym locker rooms	3	3	4	4	3	4	3	8	\$ 130,000	HV
Spring Garden	Install ADA compliant stage lift	4	3	3	4	1	5	2	8	\$ 80,000	HA
Education Ctr	Replace slate roof portion	2	3	4	4	4	5	0	8	\$ 110,250	R
Asa Packer	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 69,300	FA
Buchanan	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA
Calypso	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA
Clearview	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA
Donegan	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 138,600	FA
Farmersville	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA
Farmersville	Replace clock system and intercom	3	3	3	3	3	3	3	8	\$ 69,300	UN
Freemansburg	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA
Governor Wolf	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA
Hanover	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA
Liberty Class	Replace boilers and pumps	3	3	3	3	3	5	2	8	\$ 476,438	HV
Lincoln	Internal and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 103,950	FA
Maintenance	Interior and exterior camera upgrades	3	3	3	3	3	3	3	8	\$ 34,650	FA
Maintenance	Add access control	3	3	3	3	3	3	3	8	\$ 17,325	FA
Marvine	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 127,974	FA
Miller Heights	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 86,625	FA
Spring Garden	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 128,205	FA
									TOTAL	\$ 2,230,967	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY PRIORITY WITHOUT SELECTED SCHOOLS
(FOUNTAIN HILL, THOMAS JEFFERSON, & WILLIAM PENN)

mp2000b

November 6, 2023

2023											
SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Freemansburg	Install underdrain in parking area	3	2	3	4	4	3	2	7	\$ 89,210	SS
Liberty Com	Crowd control doors for separation of Student Activity area	3	3	3	3	3	3	2	7	\$ 120,062	D
Education Ctr	Replace windows in 1971 addition	2	3	4	2	4	5	2	7	\$ 120,000	WR
Freedom	Replace synthetic turf at athletic field (partial cost covered by manufacturer warranty)	3	2	3	3	4	3	4	7	\$ 400,000	AF
Freedom	Upgrade fire alarm system panel	2	4	3	2	3	5	2	7	\$ 128,066	FA
Spring Garden	Remove and replace VCT in corridor	3	3	3	2	3	5	2	7	\$ 151,146	FT
Farmersville	Replace grease trap at kitchen	2	3	4	3	2	4	3	7	\$ 25,000	P
Liberty Lab	Replace all HVAC equipment	2	2	4	4	3	5	2	7	\$ 6,121,500	HV
Miller Heights	Replace grease interceptor in kitchen	2	3	4	3	2	4	3	7	\$ 25,000	P
Spring Garden	Reconstruct miscellaneous concrete work at entrances	3	3	3	2	3	5	1	7	\$ 45,344	CO
Calypso	Replace sidewalk and curbs	3	2	3	3	4	3	2	7	\$ 59,472	CO
East Hills	Install digital control system for HVAC (partially completed in 2017)	2	3	3	3	3	5	2	7	\$ 1,100,571	HV
East Hills	Replace emergency generator and transfer switch	3	2	3	3	3	5	2	7	\$ 426,888	ES
East Hills	Replace HVAC unit in Faculty Planning and Waiting Rooms	2	3	4	2	2	5	3	7	\$ 186,764	HV
Transportation Fac.	Replace fencing around entire area	3	2	4	2	3	4	2	7	\$ 204,045.77	UN
Buchanan	Replace sidewalk and curbs along Catasaquua Road	3	2	2	3	4	3	2	7	\$ 27,206	CO
Buchanan	Repair and recoat roof for extended warranty (2018)	2	2	4	4	3	2	1	7	\$ 208,961	R
Calypso	Regrade and provide storm water catch basin at playground southwest corner	3	2	3	3	3	2	2	7	\$ 37,786	SS
Clearview	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 345,726	R
East Hills	Install air handler for room 110 Special Ed./Reading	2	3	3	3	2	5	1	7	\$ 200,104	HV
Freedom	Replace interior doors in central lobby (8 locations)	4	2	3	2	1	5	1	7	\$ 211,603	D
Freedom	Repair/replace student lockers	3	3	3	2	1	5	1	7	\$ 377,602	SL
Freemansburg	Repair and recoat roof (Area A) for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 105,655	R
Governor Wolf	Miscellaneous masonry repairs, caulking and water proofing	2	2	3	4	4	3	1	7	\$ 37,786	M
Liberty Class	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 139,406	R
Lincoln	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 386,925	R
Maintenance	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 102,720	R
Miller Heights	Repair chimney and miscellaneous masonry repairs and caulking classroom	2	2	3	4	4	3	1	7	\$ 52,901	M
Miller Heights	Repair and recoat roof for extended warranty (2019) at addition	2	2	4	4	3	2	1	7	\$ 56,936	R
Spring Garden	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 86,284	R
East Hills	Replace air handlers in original building (partially completed in 2017)	2	3	3	3	1	5	2	7	\$ 4,669,088	HV
East Hills	Replace grease traps and sanitary pump	2	3	3	3	1	5	2	7	\$ 116,877	P
East Hills	Replace exterior lighting	3	3	3	2	0	5	2	7	\$ 100,052	EL
East Hills	Replace cafeteria make-up air unit	2	3	3	3	1	5	2	7	\$ 220,114	HV
Education Ctr	Point exterior masonry and repairs	1	2	4	4	3	5	2	7	\$ 347,486	M
Education Ctr	Lobby modifications & elevator	3	3	3	1	2	5	1	7	\$ 1,100,571	HA
Freedom	Provide redundant UPS system for Network Center	2	3	2	3	3	4	2	7	\$ 397,427	ES
Liberty Com	Repair / replace concrete sidewalks	3	2	3	2	3	4	2	7	\$ 105,803	CO
									TOTAL	\$ 18,638,087	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY PRIORITY WITHOUT SELECTED SCHOOLS
(FOUNTAIN HILL, THOMAS JEFFERSON, & WILLIAM PENN)

mp2000b

November 6, 2023

SCHOOL	ITEM									2023		CATEGORY
		SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST		
Asa Packer	Provide additional outlets in M.P. Room	2	4	3	1	2	4	1	6	\$ 30,229		ES
Asa Packer	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 131,250		ID
Calypso	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 200,104		ID
East Hills	Repair corridor quarry tile in isolated areas	3	3	3	1	1	5	2	6	\$ 32,116		FT
East Hills	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 266,805		ID
Freedom	Renovate toilet rooms in original building	2	2	3	3	3	5	2	6	\$ 250,000		HV
Freedom	Install roof coating on Siplast roof areas	2	2	3	3	3	4	3	6	\$ 755,726		R
Freedom	Replace roof on wrestling room	2	2	3	3	3	4	3	6	\$ 140,073		R
Freedom	Replace all HVAC equipment and controls in original building	2	2	3	3	3	5	2	6	\$ 5,336,100		HV
Freedom	Replace chillers, pumps and piping in original building mechanical room	2	2	3	3	3	5	2	6	\$ 2,312,310		HV
Freemansburg	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 146,743		ID
Liberty Com	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 404,250		ID
Liberty Lab	Replace all HVAC controls	2	2	3	3	3	5	2	6	\$ 1,155,000		HV
Spring Garden	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 93,382		ID
Stad-Mem Gym	STADIUM-Repair concrete walls around stadium	2	2	4	2	3	5	2	6	\$ 604,580		AF
Stad-Mem Gym	Replace stadium ADA lift	2	2	4	2	3	5	2	6	\$ 63,525		UN
Education Ctr	Upgrade ATC controls to Metasys and replace HVAC	2	2	4	3	2	3	2	6	\$ 2,668,050		HV
Liberty Com	Resurface bus loop, teacher's lot and miscellaneous paving	2	2	3	2	4	5	2	6	\$ 266,805		PA
Northeast	Chiller replacement (future)	2	3	2	3	2	4	2	6	\$ 1,050,000		HV
East Hills	Provide hot water in Home Economics area	3	3	4	0	1	5	0	6	\$ 60,031		P
Freedom	Renovate pool locker rooms	2	2	4	2	2	5	2	6	\$ 509,760		AF
Freedom	Replace air handlers/U.V.'s in original building	2	3	3	2	1	5	2	6	\$ 15,007,781		HV
Liberty Com	Install doors at all gang bathrooms throughout	2	2	3	3	2	4	3	6	\$ 150,000		D
Maintenance	Install fire alarm system/smoke detectors	3	1	3	3	3	4	1	6	\$ 52,901		FA
Asa Packer	Regrade play area at east end for drainage	2	2	4	2	2	5	1	6	\$ 49,560		L
Calypso	Seal all masonry walls and caulking	2	1	1	5	4	3	4	6	\$ 35,683		M
East Hills	Upgrade athletic fields including track repairs	2	3	2	2	3	4	1	6	\$ 867,116		AF
East Hills	Renovations to 6th & 7th grade restrooms	2	2	2	3	3	5	2	6	\$ 426,888		TR
Education Ctr	Replace windows in original building	1	3	3	2	3	5	2	6	\$ 425,000		WR
Education Ctr	Replace carpet	2	3	4	1	1	4	2	6	\$ 75,520		FC
Farmersville	Seal all split face block and recaulk exterior and masonry repairs to south classroom wing	2	1	1	5	4	3	4	6	\$ 186,764		M
Liberty Class	Recaulk all exterior masonry joints & windows and seal masonry	2	2	2	3	3	4	3	6	\$ 131,250		M
Liberty Com	Recaulk all exterior masonry	2	2	2	3	3	4	3	6	\$ 157,500		M
Liberty Lab	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 37,786		M
Lincoln	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 37,786		M
Lincoln	Repair/replace front bus loop sidewalks	2	2	2	3	3	4	3	6	\$ 86,625		CO
Marvine	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 37,786		M
Asa Packer	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 200,104		ES
Buchanan	Patch and seal bituminous paving	2	2	2	2	5	3	2	6	\$ 53,361		PA
Calypso	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 46,691		PA
Clearview	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 73,371		PA
Donegan	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 73,371		PA
East Hills	Seal paved areas gymnasium lot and rear drive	2	2	2	2	5	3	2	6	\$ 80,042		PA
East Hills	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 773,139		ES
Farmersville	Paving repairs and seal coating	2	2	2	2	5	3	2	6	\$ 300,156		PA
Freedom	Overlay bituminous paved areas at east and west lot	2	2	2	2	5	3	2	6	\$ 480,249		PA
Freedom	Remove & replace concrete sidewalk	2	2	3	2	3	5	1	6	\$ 39,649		CO
Freedom	Remove & replace concrete flatwork	2	2	3	2	3	5	1	6	\$ 89,210		CO

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY PRIORITY WITHOUT SELECTED SCHOOLS
(FOUNTAIN HILL, THOMAS JEFFERSON, & WILLIAM PENN)

mp2000b

November 6, 2023

SCHOOL	ITEM									2023		CATEGORY
		SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST		
Freedom	Replace ceiling tiles	2	2	4	2	1	5	2	6	\$ 719,039		CT
Freemansburg	Expand front parking area	2	2	2	2	5	3	2	6	\$ 36,275		PA
Freemansburg	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 124,732		PA
Governor Wolf	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 80,709		PA
Hanover	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 66,531		PA
Lafayette	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 33,986		PA
Liberty Com	Repairs to walkway bridge at Classroom Ctr.	2	2	3	2	3	4	2	6	\$ 173,423		M
Lincoln	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 46,834		PA
Marvine	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 76,306		PA
Miller Heights	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 95,383		PA
Northeast	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 95,383		PA
Northeast	Caulk and seal all exterior masonry	2	2	2	2	5	3	2	6	\$ 200,104		M
Spring Garden	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 118,944		PA
Donegan	Repair and re-coat roof for extended warranty (2021)	2	2	2	3	4	2	1	6	\$ 261,469		R
Freedom	Repair and repoint masonry (15%) (exterior brick walls)	2	1	4	2	3	5	2	6	\$ 115,574		M
Maintenance	Remove & replace concrete curb & sidewalk	3	1	3	2	3	4	1	6	\$ 49,560		CO
SPARK (Pre-K)	Replace lighting with electronic ballast lights	2	2	2	2	4	5	1	6	\$ 175,000		IL
Broughal	Renovate the grass athletic field	2	2	3	2	2	3	3	6	\$ 214,830		AF
Freedom	Renovate auditorium	2	2	3	2	2	5	1	6	\$ 2,818,200		UN
Transportation Fac.	Install fire alarm system	2	2	3	2	2	4	2	6	\$ 60,000.00		FA
Transportation Fac.	Resurface parking lots	2	2	3	2	2	4	2	6	\$ 426,888.00		PA
Transportation Fac.	Install site drainage southeast corner of bus lot	2	2	3	2	2	4	2	6	\$ 92,400.00		SS
Transportation Fac.	Repair asphalt driveway to depot	2	2	3	2	2	4	2	6	\$ 231,000.00		PA
East Hills	Remove & replace concrete sidewalk	2	2	2	2	3	5	1	6	\$ 97,138		CO
East Hills	Remove & replace concrete curb (linear & radius)	2	2	2	2	3	5	1	6	\$ 59,472		CO
Education Ctr	Remove & replace concrete sidewalk & flatwork	2	2	2	2	3	5	1	6	\$ 92,512		CO
Education Ctr	Regrade and replace sidewalk at N.E. side of building	2	2	2	2	3	5	1	6	\$ 52,864		CO
Freedom	Storm drainage system upgrades in field areas	3	1	2	2	3	5	1	6	\$ 317,406		SS
Freedom	Repair or replace water coolers	2	2	3	2	1	5	2	6	\$ 49,560		P
Northeast	Chiller wall ventilation/repairs	2	2	2	2	3	3	3	6	\$ 63,000		M
									TOTAL	\$ 43,496,648		

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY PRIORITY WITHOUT SELECTED SCHOOLS
(FOUNTAIN HILL, THOMAS JEFFERSON, & WILLIAM PENN)

mp2000b

November 6, 2023

SCHOOL	ITEM									2023		CATEGORY
		SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST		
Asa Packer	Repair cracks & paint Multi-Purpose Room walls	1	2	3	2	2	5	4	5	\$ 26,959		IP
Freedom	Repoint stone wall	3	1	3	0	4	5	1	5	\$ 39,649		M
Lincoln	Seal masonry and replace select glazed block	2	2	2	2	4	2	1	5	\$ 60,458		M
Lincoln	Remove oil tank	3	2	2	1	2	3	2	5	\$ 46,200		FTK
SPARK (Pre-K)	Plumbing isolation valve & wall hydrant replacement including back flow preventer	2	2	3	2	1	4	2	5	\$ 57,213		P
Stad-Mem Gym	MEM GYM-Repoint exterior masonry	2	1	3	2	3	5	2	5	\$ 80,915		M
Maintenance	Reconstruct bituminous paving at rear	2	1	4	0	4	4	3	5	\$ 84,959		PA
Transportation Fac.	Replace roof, out of warranty	2	2	3	2	1	4	1	5	\$ 368,734.91		R
East Hills	Replace wall covering in Auditorium	3	2	3	0	0	5	2	5	\$ 55,509		IP
East Hills	Replace casework	3	2	3	0	0	5	2	5	\$ 953,828		UN
Freedom	Upgrade building exhaust (allowance)	2	2	2	2	1	5	2	5	\$ 133,403		HV
Transportation Fac.	Install Metasys Controls on two RTU's	2	2	2	2	2	3	2	5	\$ 84,959.49		HV
SPARK (Pre-K)	Replace boiler, air handler and install ATC controls	2	2	2	2	1	5	1	5	\$ 956,000		HV
SPARK (Pre-K)	Replace panelboard for HVAC equipment	2	2	2	2	1	5	1	5	\$ 65,387		ES
SPARK (Pre-K)	Replace fire alarm system	2	2	2	2	1	5	1	5	\$ 73,560		UN
East Hills	Repoint stone walls at main entry	2	0	3	2	4	5	1	5	\$ 75,330		M
East Hills	Repair auditorium entry limestone columns	2	0	3	2	4	5	1	5	\$ 57,750		M
Freedom	Provide new window shades, blinds, etc.	2	2	4	0	0	5	2	5	\$ 72,951		WS
Clearview	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 290,955		IL
Donegan	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 375,597		IL
East Hills	Replace interior lighting (improve energy savings, partially completed in 2017)	2	1	2	1	4	4	2	5	\$ 768,653		IL
Education Ctr	Replace interior doors	1	2	4	1	1	5	1	5	\$ 128,858		ID
Education Ctr	Replace interior lighting and ceilings (improve energy savings)	2	1	2	1	4	4	2	5	\$ 360,000		IL
Freedom	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 1,506,916		IL
Liberty Lab	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 402,084		IL
Lincoln	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 330,000		IL
Maintenance	Replace lighting (energy)	2	1	2	1	4	4	2	5	\$ 110,880		IL
Marvine	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 293,070		IL
East Hills	Renovate stage area, curtains, lighting and replace auditorium seats	2	2	3	0	0	5	3	5	\$ 867,116		SC
Asa Packer	Improve exterior lighting	2	2	3	0	0	5	2	5	\$ 118,919		EL
Broughal	Paint interior of the building	0	2	3	2	4	3	0	5	\$ 531,300		IP
Clearview	Paint interior of building	0	2	3	2	4	3	0	5	\$ 127,050		IP
Donegan	Paint interior of building	0	2	3	2	4	3	0	5	\$ 164,010		IP
Donegan	Replace classroom signage	0	2	3	2	4	3	0	5	\$ 21,656		UN
East Hills	Interior Painting (Café, gym, hallways & lavs)	0	2	3	2	4	3	0	5	\$ 150,150		IP
Education Ctr	Improve exterior lighting	2	2	3	0	0	5	2	5	\$ 49,560		EL
Hanover	Interior painting	0	2	3	2	4	3	0	5	\$ 70,455		IP
Lincoln	Interior painting	0	2	3	2	4	3	0	5	\$ 125,202		IP
Marvine	Interior painting	0	2	3	2	4	3	0	5	\$ 110,880		IP
Miller Heights	Interior painting	0	2	3	2	4	3	0	5	\$ 117,810		IP
Northeast	Interior painting	0	2	3	2	4	3	0	5	\$ 431,970		IP
									TOTAL	\$ 10,746,855		

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY PRIORITY WITHOUT SELECTED SCHOOLS
(FOUNTAIN HILL, THOMAS JEFFERSON, & WILLIAM PENN)

mp2000b

November 6, 2023

SCHOOL	ITEM									2023		CATEGORY
		SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST		
Asa Packer	Replace folding partition in Multi-Purpose Room	2	1	3	0	1	5	4	4	\$	148,681	UN
Freedom	Install restrooms at synthetic turf field	2	1	3	1	1	5	1	4	\$	333,506	TR
Freedom	Install restrooms at field house	2	1	3	1	1	5	1	4	\$	400,208	TR
Freedom	Add classroom electrical outlets	2	2	3	0	0	5	0	4	\$	160,083	ES
Freedom	Add field house building at turf field	2	2	2	1	1	2	1	4	\$	249,480	AF
Freedom	Add additional bleachers at turf field	2	2	2	1	1	2	1	4	\$	69,300	AF
Lafayette	Install outfield fence	2	2	2	1	1	2	1	4	\$	44,468	L
Education Ctr	Provide new window shades, blinds, etc.	2	2	2	0	0	5	2	4	\$	39,649	WS
Freedom	Repair cracks in wall adj to Rooms 116, 115, 212, & 213	2	1	3	0	1	5	2	4	\$	32,116	M
East Hills	Replace student lockers	2	2	2	0	0	5	1	4	\$	352,183	SL
East Hills	Repair floor cracks in Room 204	2	1	3	0	1	5	1	4	\$	9,317	UN
Maintenance	Install emergency generator, lighting and exit signs	2	1	3	0	0	5	3	4	\$	266,805	ES
East Hills	Replace or repair ceiling tiles (partially completed in 2017)	1	2	3	0	0	5	1	4	\$	440,228	CT
Education Ctr	Caulk all masonry joints	1	0	3	2	2	5	1	4	\$	52,337	M
SPARK (Pre-K)	Replace parking lot lights	1	1	2	2	1	5	1	4	\$	45,768	EL
									TOTAL	\$	2,644,128	
Spring Garden	Install stage light dimming system	1	1	2	2	1	1	2	3	\$	118,944	SC
Asa Packer	Renovate stage area: curtains & lighting	1	1	2	0	0	5	2	3	\$	183,750	SC
East Hills	Provide additional sound baffles in Cafeteria	0	2	2	0	0	5	1	3	\$	39,649	UN
Maintenance	Perform property survey & set corner pins	0	0	5	0	0	5	0	3	\$	6,939	PS
									TOTAL	\$	349,282	
East Hills	Replace metal fascia panels at kitchen loading area	1	0	2	0	1	5	1	2	\$	56,641	R
East Hills	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$	13,876	PS
Freedom	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$	13,876	PS
East Hills	Repair masonry	0	0	2	0	1	5	1	2	\$	47,200	M
									TOTAL	\$	131,594	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY PRIORITY WITHOUT SELECTED SCHOOLS
(FOUNTAIN HILL, THOMAS JEFFERSON, & WILLIAM PENN)

mp2000b

November 6, 2023

SCHOOL	ITEM									2023		CATEGORY
		SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST		
Asa Packer	Contingency, miscellaneous & unidentified items								0	\$ 153,777		CN
Asa Packer	Improve handicapped accessibility								0	\$ 191,896		HA
Broughal	NEW BUILDING Completed in 2009	0	0	0	0	0	0	0	0	\$ -		
Clearview	RENOVATION Completed in 2000	0	0	0	0	0	0	0	0	\$ -		
Donegan	NEW BUILDING Completed in 2001	0	0	0	0	0	0	0	0	\$ -		
East Hills	Upgrade handicapped accessibility								0	\$ 99,121		HA
East Hills	Contingency, miscellaneous & unidentified items								0	\$ 249,009		CN
Education Ctr	Contingency, miscellaneous & unidentified items								0	\$ 247,346		CN
Freedom	Improve handicapped accessibility								0	\$ 148,681		HA
Freedom	Contingency, miscellaneous & unidentified items								0	\$ 326,418		CN
Lafayette	Demolition & site work completed in 2002	0	0	0	0	0	0	0	0	\$ -		
Liberty Class	Capital Improvements completed in 2008	0	0	0	0	0	0	0	0	\$ -		
Liberty Com	Renovated in 2008	0	0	0	0	0	0	0	0	\$ -		
Liberty Lab	RENOVATION Completed in 1998	0	0	0	0	0	0	0	0	\$ -		
Lincoln	NEW BUILDING Completed in 2000	0	0	0	0	0	0	0	0	\$ -		
Maintenance	Contingency, miscellaneous & unidentified items	0	0	0	0	0	0	0	0	\$ 39,649		CN
Marvine	NEW BUILDING Completed in 2001	0	0	0	0	0	0	0	0	\$ -		
Nitschmann	NEW BUILDING Completed in 2017	0	0	0	0	0	0	0	0	\$ -		
Northeast	New Building complete 2005	0	0	0	0	0	0	0	0	\$ -		
Stad-Mem Gym	Improve handicapped accessibility at Stadium (additional - phase 2)								0	\$ 495,599		HA
Stad-Mem Gym	Contingency, miscellaneous & unidentified items								0	\$ 338,914		CN
									TOTAL	\$ 2,290,409		
									GRAND TOTAL	\$ 83,207,659		

TAB 10

**SUMMARY OF A PROPOSED 5
YEAR PLAN**

BETHLEHEM AREA SCHOOL DISTRICT
PROPOSED 2023 CAPITAL IMPROVEMENT PROJECTS
PENDING FISCAL STRATEGY FOR IMPLEMENTATION

November 6, 2023

	Schools	Approx. Date Listed on Capital Plan	Major Remaining Projects	Project Budget & With Fees & Contingency	2024	2025	2026	2027	2028
1	Fountain Hill ES	1990	Renovation / Reconstruction	\$ 62,175,000.00					
2	Thomas Jefferson	1990	Renovation / Reconstruction	\$ 43,146,800.00	TBD	TBD	TBD	TBD	TBD
3	William Penn	1990	Renovation / Reconstruction	\$ 43,146,800.00	TBD	TBD	TBD	TBD	TBD
4	East Hills MS	2005	HVAC & Misc.	TBD	TBD	TBD	TBD	TBD	TBD
5	Freedom HS	2005	HVAC & Misc.	TBD	TBD	TBD	TBD	TBD	TBD
	Schools	Approx. Date Listed on Capital Plan	Capital Projects	Project Budget & With Fees & Contingency	2024	2025	2026	2027	2028
6	Various	1990	Mechanical and electrical repairs	TBD	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
7	Various	1990	Replace flooring	TBD	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
8	Various	1990	Paving and concrete repairs	TBD	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000
9	Various	1990	Asbestos & miscellaneous environmental	TBD	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
10	Various	1990	Masonry and roof repairs	TBD	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
11	Various	2015	Roof coatings to preserve warranty	TBD	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
12	Various	2012	Security upgrades (cameras, vestibules, etc.)	TBD	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
			Funds from General Operating Budget		\$ 790,000.00	\$ 790,000.00	\$ 790,000.00	\$ 790,000.00	\$ 790,000.00
						Y	Z	AA	AB
13	Buchanan	2023	Repair and recoat roof for extended warranty (2018)	\$ 261,202		\$ 274,262			
14	Clearview	2023	Repair and recoat roof for extended warranty (2020)	\$ 432,158		\$ 453,766			
15	East Hills	2023	Install digital control system for HVAC (partially completed in 2017)	\$ 1,375,713				\$ 1,592,560	
16	East Hills	2023	Replace emergency generator and transfer switch	\$ 533,610				\$ 617,720	
17	East Hills	2023	Replace air handlers in original building (partially completed in 2017)	\$ 5,836,359				\$ 6,756,316	
18	East Hills	2023	Replace cafeteria make-up air unit	\$ 275,143				\$ 318,512	
19	Education Ctr	2008	Upgrade ATC controls to Metasys, replace air handlers, lights, ceiling & misc.	\$ 3,335,063					\$ 4,053,789
20	Education Ctr	2023	Replace slate roof portion	\$ 137,813		\$ 144,703			
21	Education Ctr	2023	Replace windows in 1971 addition	\$ 150,000		\$ 157,500			
22	Education Ctr	2023	Point exterior masonry and repairs	\$ 434,358		\$ 456,076			
23	Farmersville	2023	Replace clock system and intercom	\$ 86,625		\$ 90,956			
24	Farmersville	2023	Replace grease trap at kitchen	\$ 31,250		\$ 32,813			
25	Freedom	2013	Replace chillers, pumps and piping in original building mechanical room.	\$ 2,890,388			\$ 3,186,652		
26	Freedom	2023	Install hot/chilled water piping filter system including flushing and water treatment	\$ 281,250	\$ 281,250				
27	Freedom	2023	Replace boilers, pumps, and controls in original mechanical room	\$ 1,000,000	\$ 1,000,000				
28	Freedom	2023	Replace synthetic turf at athletic field (partial cost covered by manufacturer	\$ 500,000	\$ 500,000				
29	Freedom	2023	Replace Water Heaters in 2005 addition	\$ 312,500	\$ 312,500				
30	Freedom	2023	Upgrade fire alarm system panel	\$ 160,083			\$ 176,492		
31	Freemansburg	2023	Repair and recoat roof (Area A) for extended warranty (2020)	\$ 132,068		\$ 138,672			
32	Liberty Class	2020	Replace boilers and pumps	\$ 595,547	\$ 595,547				
33	Liberty Class	2023	Repair and recoat roof for extended warranty (2020)	\$ 174,258		\$ 182,971			
34	Liberty Com	2023	Install doors at all gang bathrooms throughout	\$ 187,500	\$ 187,500				
35	Liberty Com	2023	Repair / replace concrete sidewalks	\$ 132,253					\$ 160,755
36	Liberty Lab	2023	Replace all HVAC equipment	\$ 7,651,875					\$ 9,300,902
37	Lincoln	2023	Repair and recoat roof for extended warranty (2020)	\$ 483,656			\$ 533,231		
38	Maintenance	2023	Add access control	\$ 21,656			\$ 23,876		
39	Maintenance	2023	Repair and recoat roof for extended warranty (2020)	\$ 128,400			\$ 141,561		
40	Miller Heights	2023	Replace grease interceptor in kitchen	\$ 31,250		\$ 32,813			
41	Miller Heights	2023	Repair and recoat roof for extended warranty (2019) at addition	\$ 71,170			\$ 78,465		
42	Northeast	2023	Replace (1) HRU at Gym locker rooms	\$ 162,500			\$ 179,156		
43	Spring Garden	2023	Install ADA compliant stage lift	\$ 100,000			\$ 110,250		
44	Spring Garden	2023	Reconstruct miscellaneous concrete work at entrances	\$ 56,680					\$ 68,895
45	Spring Garden	2023	Repair and recoat roof for extended warranty (2020)	\$ 107,855			\$ 118,911		
46	Stad-Mem Gym	2022	Grandstand concrete stair replacement	\$ 1,470,000				\$ 1,701,709	
47	Stad-Mem Gym	2020	Replace domestic hot water system at field house	\$ 285,863	\$ 285,863				
48	Transportation Fac.	2023	Replace fencing around entire area	\$ 255,057					\$ 310,024
49	All Schools	2019	Conversion of interruptable gas service to firm	\$ 262,500			\$ 275,625		
			TOTAL	\$ 30,343,602	\$ 3,162,659	\$ 2,240,155	\$ 4,548,593	\$ 10,986,817	\$ 13,894,365
			Capital Reserve Funds Available			TBD			

All of the projects and funds assigned are subject to change based on the Annual Capital Improvements update and based on the needs at various facilities, such as roofing, mechanical, etc.

TAB 11

**SUMMARY OF AHERA ASBESTOS
INSPECTION
REPORT PREPARED BY SPOTTS,
STEVENS & MCCOY JULY 2021
JULY 2019 SURVEILLANCE
INSPECTION**



August 26, 2021

Mr. Mark Stein
Chief Facilities and Operations Officer
Facilities Department
Bethlehem Area School District
250 East Fairview Street
Bethlehem, PA. 18018
[mstein@beth.k12.pa.us]

RE: July 2021 AHERA 3-Year Asbestos Re-Inspection
SSM File 107581.0014

Dear Mr. Stein:

Enclosed please find two (2) copies of the July 2021 Asbestos Hazard Emergency Response Act (AHERA) 3-year asbestos re-inspection report. This report has been updated following the AHERA 3-year re-inspections performed by Spotts, Stevens and McCoy (SSM) on July 19, 2021 (Freedom High School, East Hills Middle School), and July 26, 2021 (remaining buildings). As required by the AHERA regulations, one (1) copy of each building report is to be filed in a central location at that particular building. The bound copy of the overall report is to be inserted into your central asbestos file (with the Asbestos Coordinator).

The AHERA 3-year re-inspection of the Bethlehem Area School District was conducted by Mr. David Kuchinski. Mr. Kuchinski is an EPA AHERA Accredited Building Inspector, who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The Management Plan pages were updated by Mr. David L. Kuchinski, an EPA AHERA accredited Management Planner, who is also licensed in the same capacity by the PaDLI. Enclosed you will find copies of his certifications and licenses for inclusion in your updated Management Plans.

SSM conducted a room-by-room inspection of all buildings under the jurisdiction of the Bethlehem Area School District that have ACM remaining, in order to locate and assess changes in condition from the previous 3-year re-inspection. Included with this report are Table 1 (Room by Room Inventory of ACM), Table 4-1 (Room-by-Room Inventory of ACM), Table 6-1 (Recommended Minimum Response Actions) and Table 6-2 (Response Actions Taken since the Previous Re-Inspection).

The following Buildings under the jurisdiction of the Bethlehem Area School District that have ACM remaining are listed below:

- Freedom High School
- Bethlehem Area School District Administration Building
- Bethlehem Area School District Maintenance Building
- Thomas Jefferson Elementary School
- William Penn Elementary School
- Fountain Hill Elementary School
- Asa Packer Elementary School
- East Hills Middle School
- Colonial Intermediate Unit #20



We would like to thank you and your staff for your help during this re-inspection project. Should you have any questions or require additional information, please call me at your earliest convenience.

Very truly yours,
Spotts, Stevens and McCoy

A handwritten signature in black ink, appearing to read "D. Kuchinski", written in a cursive style.

David L. Kuchinski
Industrial Hygienist
dave.kuchinski@ssmgroup.com

Enclosure



July 2021 AHERA 3-Year Asbestos Re-Inspection Report

Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

July 2021 AHERA 3-Year Asbestos Re-Inspection Report

Prepared for: Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

Prepared by: Spotts, Stevens and McCoy



David L. Kuchinski, Management Planner;
Pa. Certification No. 031173

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SSM File 107581.0014

AHERA 3-Year Re-inspection July 2021

Bethlehem Area School District

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Freedom High School

Executive Summary
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Room by Room Inventory of ACM
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Accreditations

East Hills Middle School

Executive Summary
Table 4-1
Room by Room Inventory of ACM
Table 6-1
Table 6-2
Accreditations

Asa Packer Elementary School

Executive Summary
Table 4-1
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Fountain Hill Elementary School

Executive Summary
Table 4-1
Room by Room Inventory of ACM
Table 6-1
Table 6-2

Accreditations

Thomas Jefferson Elementary School

Executive Summary

Table 4-1

Room by Room Inventory of ACM

Table 6-1

Table 6-2

Accreditations

William Penn Elementary School

Executive Summary

Table 4-1

Room by Room Inventory of ACM

Table 6-1

Table 6-2

Accreditations

Colonial IU #20

Executive Summary

Table 4-1

Room by Room Inventory of ACM

Table 6-1

Table 6-2

Accreditations

Bethlehem Area School District Administration Building

Executive Summary

Table 4-1

Room by Room Inventory of ACM

Table 6-1

Table 6-2

Accreditations

Bethlehem Area School District Maintenance Building

Executive Summary

Table 4-1

Room by Room Inventory of ACM

Table 6-1

Table 6-2

Accreditations

1.0 Introduction and Summary

Scope of Work

Spotts, Stevens and McCoy (SSM) was contracted by Bethlehem Area School District to conduct an AHERA 3-Year Re-inspection of their facilities. The re-inspection was conducted in accordance with EPA 40 CFR, Part 763, commonly referred to as “AHERA”, and encompassed the following buildings which are under the jurisdiction of Bethlehem Area School District:

- Freedom High School
- Bethlehem Area School District Administration Building
- Bethlehem Area School District Maintenance Building
- Thomas Jefferson Elementary School
- William Penn Elementary School
- Fountain Hill Elementary School
- Asa Packer Elementary School
- East Hills Middle School
- Colonial Intermediate Unit #20

Methodology for AHERA 3-Year Reinspection

This 3-Year Re-inspection included the following tasks:

Task 1 - Review previous inspections/reinspections as well as response actions undertaken at the buildings.

Task 2 - Re-inspections of your buildings conducted by EPA AHERA Accredited Building Inspectors (who are also licensed in the same capacity by the Pennsylvania Department of Labor and Industry). During the re-inspections, the building inspectors verified locations and quantities of ACM, noted changes in ACM conditions compared to previous inspections/re-inspections, identified suspect materials that were not previously identified and noted areas where ACM has been removed.

SSM utilized the existing AHERA Management Plans and subsequent 3-Year Re-inspection Reports as a guide for locations, quantifying and assessing ACM. To that end, SSM's

inspectors were only required, per AHERA regulations, to physically inspect and assess known and identified ACM, and therefore, may not have entered all rooms in a building.

Task 3 - Preparation of AHERA 3-Year re-inspection reports which include the following:

- Executive Summary
- Room by Room Inventory of ACM
- Summary of ACM Remaining – Table 4-1
- Recommended Minimum Response Actions – Section 6-1
- Response Actions Taken Since the Previous Re-Inspection – Section 6-2
- Estimated Budgetary Costs for Removal of ACM - Table 7-1

Glossary of Terms

ACM - Asbestos Containing Material

Aircell - A type of corrugated thermal insulation generally performed in sections for piping and vessel insulation. Similar in appearance to corrugated cardboard.

Cal Sil - Short for calcium silicate. This designation is used for any performed, whitish, plaster-like thermal insulation used to insulate piping, or any performed block or curved insulation used to insulate tanks, boilers, flues or ducts. Types of insulation included in this designation are also known as magnesia, performed and hard case insulation.

Fitting Insulation - Also known as insulator's mud. This material is similar to plaster of Paris and is a type of thermal insulation generally shaped by hand to insulate unusual piping shapes such as elbows, fittings and valves. It was also used as a finished coat on other types of insulation such as cal sil, fiberglass and cork.

Friable - Material that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure.

Friable Surfacing ACM - Friable ACM which was used as a surfacing material such as acoustical plaster or fireproofing.

Homogeneous Area - An area that contains material which appears to be uniform in appearance and texture and installed at one time.

Layered Paper - Generally used on low temperature pipes. This insulation has the appearance of multiple layers of craft paper. It was also known as "felt wrap".

Miscellaneous ACM - Material which does not fit under the category of Friable Surfacing ACM of Thermal ACM Insulation.

Non-friable - Material that, when dry, cannot be crumbled, pulverized or reduced to powder by hand pressure.

Thermal Insulation - Insulation such as pipe and boiler insulation whose purpose is to impede the flow of heat.

Transite - This is a product name commonly applied to cementitious types of asbestos board.

Refractory - Cementitious thermal insulation predominantly used in boiler fire boxes.

VAT - Vinyl Asbestos Tile - Common sizes are 9" x 9" and 1' x 1' but it also occurs as 6" x 6".

Asbestos Exposure Assessment Algorithm Variables

DC - Damaged Condition

DC Values

0,1,2 Undamaged material.

3,5 Damaged material.

7,10 Significantly damaged material

E - Exposure factor.

AT - Level of activity within a functional area.

AF - Airflow factor.

PD - Potential of future damage.

PD Values

0,1	No potential damage.
2,3	Potential damage.
4,5	Potential significant damage.

F - Friability factor. A value of 3 or above means this material is friable. Below 3, the material is non-friable.

PA - Percent asbestos.

2.0 Summary of Damaged Asbestos Containing Material

No damaged asbestos-containing materials were discovered during the July 2021 AHERA 3-Year Re-inspection.

3.0 Building Reports

Each individual building will follow with the following headings:

- Executive Summary
- Summary of Remaining Asbestos Containing Materials (ACM) and Location (Table 4-1)
- Room By Room Inventory of ACM
- Response Actions (Table 6-1)
- Response Actions Taken Since Previous Re-inspection (Table 6-2)
- Accreditations



**July 2021 AHERA 3-Year Asbestos
Re-Inspection Report for the
Freedom High School**

Bethlehem Area School District

**Inspected: July 2021
Report Issued: August 2021**

July 2021 AHERA 3-Year Asbestos Re-Inspection Report for the Freedom High School

Prepared for: Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

Prepared by: Spotts, Stevens and McCoy



David L. Kuchinski, Asbestos Management Planner;
Pa. Certification No. 031173

**BETHLEHEM AREA SCHOOL DISTRICT
FREEDOM HIGH SCHOOL
ASHERA 3-YEAR ASBESTOS RE-INSPECTION REPORT
JULY, 2021**

EXECUTIVE SUMMARY

The ASHERA 3-Year Asbestos Re-Inspection of the Freedom High School was conducted by Mr. David L. Kuchinski on July 19, 2021. Mr. Kuchinski is an EPA ASHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The re-inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as ASHERA.

During the re-inspection, Mr. Kuchinski identified and assessed the condition of all known ACM, as noted in the re-inspection. Also noted in **bold text**, are damaged Asbestos Containing Materials (ACM) that are present in the building, which were either identified in a previous inspection or during this inspection. In areas where Spotts, Stevens and McCoy (SSM) could not identify ACM, a note was added in the "comments" section of the room-by-room computer inventory.

Approximately 3,500 square feet of asbestos-containing 9"x9" floor tile and associated mastic was removed from Room 207 from July 19, 2021 through July 23, 2021. Refer to Section 6-2 for details regarding the abatement project.

TABLE 4-1

**BETHLEHEM AREA SCHOOL DISTRICT
FREEDOM HIGH SCHOOL**

SUMMARY OF ACM

<u>Material Description</u>	<u>Type</u>	<u>Estimated Quantity</u>
Floor Tile and Mastic	M	26,654 S.F.
Fitting Insulation on FGIP	T	47 Ea. (Estimated)
Thermal Pipe Insulation	T	Unknown
Roof Drain Fitting Insulation	T	6 Ea.
Blackboard Adhesive*	M	Not quantified
Transite Fume Hood Panels*	M	190 S.F.
Transite Drying Racks*	M	18 S.F.
Transite Table Topps*	M	132 S.F.

*Material is *assumed* to contain asbestos

M = Miscellaneous ACM

T = Thermal Insulation

FGIP = Fiberglass Insulated Pipe

Table 1: Room By Room Inventory of ACM for the Freedom High School

School	Location	Material Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
Freedom HS	Auditorium Balcony	9"x9" Floor Tile and Mastic	670	S	0	1	2	1	2	2	
Freedom HS	Auditorium Box Office	9"x9" Floor Tile and Mastic	595	S	0	1	2	1	2	2	
	Auditorium Mezzanine	Roof Drain Fittings	6	Ea	1	1	2	1	2	2	Discovered February 2021
Freedom HS	Conference Room	9"x9" Floor Tile and Mastic	252	S	0	1	2	1	2	2	
Freedom HS	Guidance Office A	9"x9" Floor Tile and Mastic	155	S	0	1	2	1	2	2	
Freedom HS	Guidance Office B	9"x9" Floor Tile and Mastic	155	S	0	1	2	1	2	2	
Freedom HS	Guidance Office C	9"x9" Floor Tile and Mastic	155	S	0	1	2	1	2	2	
Freedom HS	Guidance Office D	9"x9" Floor Tile and Mastic	225	S	0	1	2	1	2	2	
Freedom HS	Hall behind Elevator	Thermal Pipe Insulation	**	S	0	1	2	1	2	2	Quantity unknown
Freedom HS	Hall behind Elevator	Fitting Insulation	**	Ea	0	1	2	1	2	2	Quantity unknown
Freedom HS	Kitchen Stairwell	9"x9" Floor Tile and Mastic	370	S	0	1	2	1	2	2	
Freedom HS	Librarian Office	9"x9" Floor Tile and Mastic	200	S	0	1	2	1	2	2	
Freedom HS	Library Secretary	9"x9" Floor Tile and Mastic	154	S	0	1	2	1	2	2	
Freedom HS	Nurse's Suite	9"x9" Floor Tile and Mastic	1,180	S	0	1	2	1	2	2	
Freedom HS	Old Concession Stand	9"x9" Floor Tile and Mastic	300	S	0	1	2	1	2	2	
Freedom HS	Periodicals	9"x9" Floor Tile and Mastic	500	S	0	1	2	1	2	2	
Freedom HS	Room 101	9"x9" Floor Tile and Mastic	1,000	S	0	1	2	1	2	2	
Freedom HS	Room 101- Assistant Principal	9"x9" Floor Tile and Mastic	385	S	0	1	2	1	2	2	Located under carpet
Freedom HS	Room 101 Bathrooms (2)	9"x9" Floor Tile and Mastic	60	S	0	1	2	1	2	2	
Freedom HS	Room 101- Hallway	9"x9" Floor Tile and Mastic	135	S	0	1	2	1	2	2	Located under carpet
Freedom HS	Room 101- Office	9"x9" Floor Tile and Mastic	310	S	0	1	2	1	2	2	Located under carpet
Freedom HS	Room 102	9"x9" Floor Tile and Mastic	250	S	0	1	2	1	2	2	Located under carpet
Freedom HS	Room 102- Kitchenette	9"x9" Floor Tile and Mastic	224	S	0	1	2	1	2	2	
Freedom HS	Room 102 Office	9"x9" Floor Tile and Mastic	180	S	0	1	2	1	2	2	Located under carpet
Freedom HS	Room 104-Planetarium Hallway	9"x9" Floor Tile and Mastic	340	S	0	1	2	1	2	2	
Freedom HS	Room 105- Lecture Room	9"x9" Floor Tile and Mastic	1,080	S	0	1	2	1	2	2	
	Room 105- Lecture Room	Transite Table Tops	12	S	0	1	2	1	2	2	Discovered July 2021
Freedom HS	Room 106	9"x9" Floor Tile and Mastic	560	S	0	1	2	1	2	2	
Freedom HS	Room 107 (Custodial Closet)	Fitting Insulation	3	Ea	0	1	2	1	2	2	Discovered July 2020
Freedom HS	Room 110	Transite Drying Rack	6	S	0	1	2	1	2	2	Assumed, Added July 2019
Freedom HS	Room 110	Transit Table Tops	120	S	0	1	2	1	2	2	Assumed, Added July 2019
Freedom HS	Room 108- Mail Room	9"x9" Floor Tile and Mastic	132	S	0	1	2	1	2	2	
Freedom HS	Room 118	Transite Fume Hood Panels	75	S	0	1	2	1	2	2	
Freedom HS	Room 118	Transite Drying Rack	6	S	0	1	2	1	2	2	Assumed to be ACM
Freedom HS	Room 119- Student Projects	Transite Fume Hood Panels	40	S	0	1	2	1	2	2	
Freedom HS	Room 120	Transite Fume Hood Panels	75	S	0	1	2	1	2	2	
Freedom HS	Room 120	Transite Drying Rack	6	S	0	1	2	1	2	2	Assumed to be ACM
Freedom HS	Room 124-Dark Room	9"x9" Floor Tile and Mastic	192	S	0	1	2	1	2	2	Under Carpet
Freedom HS	Room 125	1'x1' Floor Tile and Mastic	780	S	0	1	2	1	2	2	
Freedom HS	Room 125 B	1'x1' Floor Tile and Mastic	800	S	0	1	2	1	2	2	
Freedom HS	Room 125 C	1'x1' Floor Tile and Mastic	800	S	0	1	2	1	2	2	
Freedom HS	Room 125 D	9"x9" Floor Tile and Mastic	712	S	0	1	2	1	2	2	
Freedom HS	Room 125 E	9"x9" Floor Tile and Mastic	480	S	0	1	2	1	2	2	
Freedom HS	Room 125 F	9"x9" Floor Tile and Mastic	170	S	0	1	2	1	2	2	
Freedom HS	Room 126	9"x9" Floor Tile and Mastic	522	S	0	1	2	1	2	2	
Freedom HS	Room 127- Audio Visual	9"x9" Floor Tile and Mastic	390	S	0	1	2	1	2	2	
Freedom HS	Room 201- Art Room	9"x9" Floor Tile and Mastic	1,400	S	0	1	2	1	2	2	
Freedom HS	Room 202- Ceramics	9"x9" Floor Tile and Mastic	1,400	S	0	1	2	1	2	2	
Freedom HS	Room 207 and Offices	9"x9" Floor Tile and Mastic	0	S	0	0	0	0	0	0	2000 SF Abated Summer 2021
Freedom HS	Room 207 Attendance/Copy	9"x9" Floor Tile and Mastic	0	S	0	0	0	0	0	0	480 abated Summer 2021
Freedom HS	Room 207- Men's Bathroom	9"x9" Floor Tile and Mastic	0	S	0	0	0	0	0	0	30 SF abated Summer 2021

FGIP = Fiberglass Insulated Pipe

**= Not quantified, Assumed

Table 1: Room By Room Inventory of ACM for the Freedom High School

School	Location	Material Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
Freedom HS	Room 207- Student Services	9"x9" Floor Tile and Mastic	0	S	0	0	0	0	0	0	960 SF abated Summer 2021
Freedom HS	Room 207- Women's Bathroom	9"x9" Floor Tile and Mastic	0	S	0	0	0	0	0	0	30 SF abated Summer 2021
Freedom HS	Room 215	9"x9" Floor Tile and Mastic	745	S	0	1	2	1	2	2	Located under carpet
Freedom HS	Room 221	9"x9" Floor Tile and Mastic	500	S	0	1	2	1	2	2	
Freedom HS	Room 222	9"x9" Floor Tile and Mastic	450	S	0	1	2	1	2	2	
Freedom HS	Room 227	9"x9" Floor Tile and Mastic	336	S	0	1	2	1	2	2	Located under carpet
Freedom HS	Room 228	1'x1' Floor Tile and Mastic	745	S	0	1	2	1	2	2	Showing ware at chairs
Freedom HS	Room 236 A	9"x9" Floor Tile and Mastic	130	S	0	1	2	1	2	2	
Freedom HS	Room 236 B	9"x9" Floor Tile and Mastic	130	S	0	1	2	1	2	2	
Freedom HS	Room 236 Bathrooms (2)	9"x9" Floor Tile and Mastic	60	S	0	1	2	1	2	2	Some loose and cracked tiles in Men's Room
Freedom HS	Room 236 C	9"x9" Floor Tile and Mastic	130	S	0	1	2	1	2	2	
Freedom HS	Room 236 Copy Area	9"x9" Floor Tile and Mastic	300	S	0	1	2	1	2	2	
Freedom HS	Room 236 D	9"x9" Floor Tile and Mastic	225	S	0	1	2	1	2	2	
Freedom HS	Room 236 E	9"x9" Floor Tile and Mastic	160	S	0	1	2	1	2	2	
Freedom HS	Room 236- Hallway	9"x9" Floor Tile and Mastic	140	S	0	1	2	1	2	2	
Freedom HS	Room 236- Storage/Financial Secretary	9"x9" Floor Tile and Mastic	520	S	0	1	2	1	2	2	
	Pipe Chase Adjacent to 211	Fitting Insulation	22	S	0	1	2	1	2	2	Discovered July 2021
	242 Pipe Chase	Fitting Insulation	12	S	0	1	2	1	2	2	Discovered July 2021
Freedom HS	Room 401	9"x9" Floor Tile and Mastic	1,300	S	0	1	2	1	2	2	
Freedom HS	Room 402- Restroom	9"x9" Floor Tile and Mastic	10	S	0	1	2	1	2	2	
Freedom HS	Room 406- Band Practice Room	9"x9" Floor Tile and Mastic	1,460	S	0	1	2	1	2	2	
Freedom HS	Room 406- Band Room and Offices	9"x9" Floor Tile and Mastic	1,850	S	0	1	2	1	2	2	
Freedom HS	Room 407 Pipe Chase	Fitting Insulation	10	S	0	1	2	1	2	2	
Freedom HS	Server Room (next to 207)	9"x9" Floor Tile and Mastic	250	S	0	1	2	1	2	2	
Freedom HS	Throughout Building	Blackboard Adhesive	**	S	0	1	2	1	2	2	Assumed to be ACM, Not quantified
Freedom HS	Throughout Building	Thermal Pipe Insulation	**	S	0	1	2	1	2	2	Assumed in walls
Freedom HS	Throughout Building	Fitting Insulation	**	S	0	1	2	1	2	2	Assumed in walls

**TABLE 6-1
BETHLEHEM AREA SCHOOL DISTRICT
FREEDOM HIGH SCHOOL**

RECOMMENDED MINIMUM RESPONSE ACTIONS

<u>Material & Location</u>	<u>Estimated Quantity</u>	<u>Response Action</u>
Throughout Building 9"x9" Floor Tile and Mastic	26,654 S.F.	Handle under the O&M Program
Hall behind Elevator and Throughout Building, Pipe Chases (Unknown quantity assumed in walls and above plaster ceilings)		
Fitting Insulation on Fiberglass Insulated Pipe	47 Ea.	Handle under the O&M Program
Thermal Pipe Insulation	Unknown	Handle under the O&M Program
Auditorium Mezzanine Roof Drain Fittings	6 Ea.	Handle under the O&M Program
Rooms 118, 119, 120 and 105		
Transite Fume Hood Panels*	190 S.F.	Handle under the O&M Program
Transite Drying Racks*	18 S.F.	Handle under the O&M Program
Transite Table Tops*	12 S.F.	Handle under the O&M Program
Throughout Building Blackboard Adhesive*	Not quantified	Handle under the O&M Program

*Material is *assumed* to contain asbestos

TABLE 6-2

**BETHLEHEM AREA SCHOOL DISTRICT
FREEDOM HIGH SCHOOL**

RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS REINSPECTION

The following response actions were taken in the Freedom High School since the previous 3-year AHERA Re-Inspection:

Removal of:

1. Approximately three thousand five hundred (3,500) square feet of asbestos-containing floor tile and mastic from Room 207.

1. Dates of Work	July 19, 2021 through July 23, 2021
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2. Abatement Contractor	Sargent Enterprise, Inc. (SEI) 616 North Street Jim Thorpe, PA 19014
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3. Disposal Site	Minerva Landfill 900 Minerva Road Waynesburg, OH 44688
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4. Air Monitoring	Air monitoring information is contained in the report submitted to the Bethlehem Area School District by Spotts, Stevens and McCoy Project No. 107581.0015 dated August 11, 2021.
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Removal of:

1. Approximately 1 section of roof drain fitting insulation from the Stage Mezzanine.

- | | |
|-------------------------|--|
| 1. Dates of Work | March 8, 2021. |
| 2. Abatement Contractor | Sargent Enterprise, Inc. (SEI)
616 North Street
Jim Thorpe, PA 19014 |
| 3. Disposal Site | Minerva Landfill
900 Minerva Road
Waynesburg, OH 44688 |
| 4. Air Monitoring | Air monitoring information is contained
in the report submitted to the Bethlehem Area
School District by Spotts, Stevens and McCoy
Project No. 107581.0013 (POP02021.0470)
dated March 15, 2021. |



**July 2021 AHERA 3-Year Asbestos
Re-Inspection Report for the
East Hills Middle School**

Bethlehem Area School District

**Inspected: July 2021
Report Issued: August 2021**

July 2021 AHERA 3-Year Asbestos Re-Inspection Report for the East Hills Middle School

Prepared for: Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

Prepared by: Spotts, Stevens and McCoy



David L. Kuchinski, Asbestos Management Planner;
Pa. Certification No. 031173

**BETHLEHEM AREA SCHOOL DISTRICT
EAST HILLS MIDDLE SCHOOL
ASHERA 3-YEAR ASBESTOS RE-INSPECTION REPORT
JULY, 2021**

EXECUTIVE SUMMARY

The ASHERA 3-Year Asbestos Re-Inspection of the East Hills Middle School was conducted by Mr. David L. Kuchinski on July 19, 2021. Mr. Kuchinski is an EPA ASHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The re-inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as ASHERA.

During the re-inspection, Mr. Kuchinski identified and assessed the condition of all known ACM, as noted in the re-inspection. Also noted in bold text, are damaged Asbestos Containing Materials (ACM) that are present in the building, which were either identified in a previous inspection or during this inspection. In areas where Spotts, Stevens and McCoy (SSM) could not identify ACM, a note was added in the "comments" section of the room-by-room computer inventory.

TABLE 4-1
BETHLEHEM AREA SCHOOL DISTRICT
EAST HILLS MIDDLE SCHOOL

SUMMARY OF ACM

<u>Material Description</u>	<u>Type</u>	<u>Estimated Quantity</u>
9"x9" Floor Tile and Mastic	M	5,738 S.F.
Transite Table Tops	M	1,586 S.F.
Blackboard Adhesive*	M	Unknown
Mastic under Wood Floor	M	1,500 S.F.
Fitting Insulation on FGIP*	T	18 Ea.

M= Miscellaneous Material

T=Thermal Material

*= Assumed to be ACM

Table 1: Room By Room Inventory of ACM for the East Hills Middle School

School	Location	Material Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
East Hills MS	Classroom 122	9"x9" Floor Tile and Mastic	460	S	0	1	2	1	2	2	Between Wood and Metal Shops
East Hills MS	Room 132 - Home Economics	9"x9" Floor Tile and Mastic	1,080	L	0	1	2	1	2	2	
East Hills MS	Room 144	Transite Table Tops	16	S	0	1	2	1	2	2	
East Hills MS	Room 202	9"x9" Floor Tile and Mastic	1,064	S	0	1	2	1	2	2	
East Hills MS	Room 202	Transite Table Tops	140	S	0	1	2	1	2	2	
East Hills MS	Room 204	Transite Table Tops	240	L	0	1	2	1	2	2	
East Hills MS	Room 204	9"x9" Floor Tile and Mastic	1,064	L	0	1	2	1	2	2	
East Hills MS	Room 204 Prep	Transite Table Tops	50	S	0	1	2	1	2	2	
East Hills MS	Room 206	Transite Table Tops	250	S	0	1	2	1	2	2	
East Hills MS	Room 206	9"x9" Floor Tile and Mastic	1,180	L	0	1	2	1	2	2	Added January 2019
East Hills MS	Room 206 Prep	Transite Table Tops	40	S	0	1	2	1	2	2	
East Hills MS	Room 222 Prep	Transite Table Tops	40	S	0	1	2	1	2	1	
East Hills MS	Room 225- Guidance Foyer	9"x9" Floor Tile and Mastic	200	S	0	1	2	1	2	2	Under carpet
East Hills MS	Room 226- Guidance Office	9"x9" Floor Tile and Mastic	200	S	0	1	2	1	2	2	Under carpet
East Hills MS	Room 235	9"x9" Floor Tile and Mastic	75	S	0	1	2	1	2	2	
East Hills MS	Room 302	Transite Table Tops	250	S	0	1	2	1	2	2	
East Hills MS	Room 304	Transite Table Tops	250	S	0	1	2	1	2	2	
East Hills MS	Room 306	Transite Table Tops	250	S	0	1	2	1	2	2	
East Hills MS	Room 306 Prep	Transite Table Tops	60	S	0	1	2	1	2	2	
East Hills MS	Room 325 (Faculty)	9"x9" Floor Tile and Mastic	60	S	0	1	2	1	2	2	Added July 2019
East Hills MS	Room 326	9"x9" Floor Tile and Mastic	355	S	0	1	2	1	2	2	
East Hills MS	Wood Shop	Mastic under Wood Floor	1,500	S	0	1	2	1	2	2	Added September 2019
East Hills MS	Auditorium	Mastic under Wood Floor	0	S	0	0	0	0	0	0	2,000 S.F. removed October 2019
East Hills MS	Garage (Custodial Offices)	Fitting Insulation on FGIP	18	Ea	1	1	2	1	2	1	Added January 2019
East Hills MS	Throughout School	Blackboard Adhesive	Unknown	S	0	1	2	1	2	2	Assumed, not quantified

TABLE 6-1
BETHLEHEM AREA SCHOOL DISTRICT
EAST HILLS MIDDLE SCHOOL

RECOMMENDED MINIMUM RESPONSE ACTIONS

<u>Material & Location</u>	<u>Estimated Quantity</u>	<u>Response Action</u>
Throughout Building 9"x9" Floor Tile and Mastic	4,498 S.F.	Handle under the O&M Program
Throughout Building Transite Table Tops	1,586 S.F.	Handle under the O&M Program
Throughout Building Blackboard Adhesive*	Unknown	Handle under the O&M Program
Custodial Office Fitting Insulation on FGIP*	18 Ea.	Handle under the O&M Program
Wood Shop Mastic Under Wood Floor	1,500 S.F.	Handle under the O&M Program

*= Assumed to be ACM

TABLE 6-2

**BETHLEHEM AREA SCHOOL DISTRICT
EAST HILLS MIDDLE SCHOOL**

RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS REINSPECTION

The following response actions were taken in the East Hills Middle School since the previous 3 year AHERA Re-Inspection.

Removal of:

2. Approximately two thousand (2,000) square feet of asbestos-containing mastic from under wood flooring from the Auditorium Stage.

- | | |
|-------------------------|--|
| 1. Dates of Work | October 10 through October 13, 2019 |
| 2. Abatement Contractor | Sargent Enterprise, Inc. (SEI)
616 North Street
Jim Thorpe, PA 19014 |
| 3. Disposal Site | Minerva Landfill
900 Minerva Road
Waynesburg, OH 44688 |
| 4. Air Monitoring | Air monitoring information is contained
in the report submitted to the Bethlehem Area
School District by Spotts, Stevens and McCoy
Project No. 107581.0009
dated October 23, 2019. |



July 2021 AHERA 3-Year Asbestos
Re-Inspection Report for the
Asa Packer Elementary School

Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

July 2021 AHERA 3-Year Asbestos Re-Inspection Report for the Asa Packer Elementary School

Prepared for: Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

Prepared by: Spotts, Stevens and McCoy



David L. Kuchinski, Asbestos Management Planner;
Pa. Certification No. 031173

**BETHLEHEM AREA SCHOOL DISTRICT
ASA PACKER ELEMENTARY SCHOOL
ASHERA 3-YEAR ASBESTOS RE-INSPECTION REPORT
JULY, 2021**

EXECUTIVE SUMMARY

The ASHERA 3-Year Asbestos Re-Inspection of the Asa Packer Elementary School was conducted by Mr. David L. Kuchinski on July 26, 2021. Mr. Kuchinski is an EPA ASHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The re-inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as ASHERA.

During the re-inspection, Mr. Kuchinski identified and assessed the condition of all known ACM, as noted in the re-inspection. Also noted in bold text, are damaged Asbestos Containing Materials (ACM) that are present in the building, which were either identified in a previous inspection or during this inspection. In areas where Spotts, Stevens and McCoy (SSM) could not identify ACM, a note was added in the "comments" section of the room-by-room computer inventory.

TABLE 4-1
BETHLEHEM AREA SCHOOL DISTRICT
ASA PACKER ELEMENTARY SCHOOL

SUMMARY OF ACM

<u>Material Description</u>	<u>Type</u>	<u>Estimated Quantity</u>
9"x9" Floor Tile and Mastic	M	420 S.F.
Ceiling Tile Adhesive*	M	Unknown

*Material is *assumed* to contain asbestos
M = Miscellaneous ACM

Table 1: Room By Room Inventory of ACM for the Asa Packer Elementary School

School	Location	Material Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
Asa Packer ES	Gym Office	9"x9" Floor Tile and Mastic	400	S	0	1	2	1	2	2	
Asa Packer ES	Behind Book Shelves in some Classrooms	Transite Panels	Unknown	S	0	0	0	1	2	1	Added summer of 2020

TABLE 6-1
BETHLEHEM AREA SCHOOL DISTRICT
ASA PACKER ELEMENTARY SCHOOL

RECOMMENDED MINIMUM RESPONSE ACTIONS

<u>Material & Location</u>	<u>Estimated Quantity</u>	<u>Response Action</u>
Gym Office and Rear Stage Landing 9"x9" Floor Tile and Mastic	420 S.F.	Handle under the O&M Program
Library and Main Hallway Ceiling Tile Adhesive*	Unknown	Handle under the O&M Program

TABLE 6-2

**BETHLEHEM AREA SCHOOL DISTRICT
ASA PACKER ELEMENTARY SCHOOL**

RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS REINSPECTION

The following response actions were taken in the Asa Packer Elementary School since the previous 3-year AHERA Re-Inspection:

Removal of:

2. Approximately 130 square feet of asbestos-containing floor tile and mastic from under the book cases in Classrooms 1 through 21 and the Stage Landing.

- | | |
|-------------------------|--|
| 1. Dates of Work | May 16 and May 17, 2020. |
| 2. Abatement Contractor | Sargent Enterprise, Inc. (SEI)
616 North Street
Jim Thorpe, PA 19014 |
| 3. Disposal Site | Minerva Landfill
900 Minerva Road
Waynesburg, OH 44688 |
| 4. Air Monitoring | Air monitoring information is contained
in the report submitted to the Bethlehem Area
School District by Spotts, Stevens and McCoy
Project No. 107581.0011
dated May 27, 2020. |



July 2021 AHERA 3-Year Asbestos
Re-Inspection Report for the
Fountain Hill Elementary School

Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

July 2021 AHERA 3-Year Asbestos Re-Inspection Report for the Fountain Hill Elementary School

Prepared for: Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

Prepared by: Spotts, Stevens and McCoy



David L. Kuchinski, Asbestos Management Planner;
Pa. Certification No. 031173

**BETHLEHEM AREA SCHOOL DISTRICT
FOUNTAIN HILL ELEMENTARY SCHOOL
ASHERA 3-YEAR ASBESTOS RE-INSPECTION REPORT
JULY, 2021**

EXECUTIVE SUMMARY

The ASHERA 3-Year Asbestos Re-Inspection of the Fountain Hill Elementary School was conducted by Mr. David L. Kuchinski on July 26, 2021. Mr. Kuchinski is an EPA ASHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The re-inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as ASHERA.

During the re-inspection, Mr. Kuchinski identified and assessed the condition of all known ACM, as noted in the re-inspection. Also noted in bold text, are damaged Asbestos Containing Materials (ACM) that are present in the building, which were either identified in a previous inspection or during this inspection. In areas where Spotts, Stevens and McCoy (SSM) could not identify ACM, a note was added in the "comments" section of the room-by-room computer inventory.

TABLE 4-1

BETHLEHEM AREA SCHOOL DISTRICT
FOUNTAIN HILL ELEMENTARY SCHOOL

SUMMARY OF ACM

<u>Material Description</u>	<u>Type</u>	<u>Estimated Quantity</u>
9"x9" Floor Tile and Mastic	M	3,767 S.F.
Fitting Insulation on FGIP	T	34 Ea.
1'x1' Floor Tile and Mastic	M	8,954 S.F.
Sprayed-on Fireproofing	S	1,200 S.F.
Thermal Pipe Insulation	T	Unknown

*Material is *assumed* to contain asbestos

M = Miscellaneous ACM

S= Surfacing Material

T = Thermal Insulation

FGIP = Fiberglass Insulated Pipe

Table 1: Room By Room Inventory of ACM for the Fountain Hill Elementary School

School	Location	Material Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
Fountain Hill ES	Basement Cafeteria	1'x1' Floor Tile and Mastic	2,835	S	0	1	2	1	2	2	
Fountain Hill ES	1st Floor Pipe Chase	Fitting Insulation on FGIP	7	Ea	0	1	2	1	2	2	
Fountain Hill ES	3rd Floor Hallway	9"x9" Floor Tile and Mastic	1,430	S	0	1	2	1	2	2	
Fountain Hill ES	Basement Hallways	1'x1' Floor Tile and Mastic	1,500	S	0	1	2	1	2	2	
Fountain Hill ES	Boiler Room	Sprayed-on Fireproofing	1,200	S	0	1	2	1	2	2	
Fountain Hill ES	Custodial Storage in Main Foyer	1'x1' Floor Tile and Mastic	75	S	0	1	2	1	2	2	
Fountain Hill ES	Custodial Storage in Main Foyer	Fitting Insulation on FGIP	4	S	0	1	2	1	2	2	
Fountain Hill ES	Custodial Storage in Main Foyer	Fitting Insulation on FGIP	2	S	3	1	2	1	2	2	Slight damage from mop bucket
Fountain Hill ES	Gym Storage	Thermal Pipe Insulation	12	S	0	1	2	1	2	2	
Fountain Hill ES	Gym Storage	Fitting Insulation on FGIP	6	Ea	0	1	2	1	2	2	
Fountain Hill ES	Instrument Storage	1'x1' Floor Tile and Mastic	355	S	0	1	2	1	2	2	
Fountain Hill ES	Room 001	1'x1' Floor Tile and Mastic	884	S	0	1	2	1	2	1	
Fountain Hill ES	Room 002	1'x1' Floor Tile and Mastic	884	S	0	1	2	1	2	2	
Fountain Hill ES	Room 002/003 Closet	1'x1' Floor Tile and Mastic	265	S	0	1	2	1	2	2	
Fountain Hill ES	Room 003	1'x1' Floor Tile and Mastic	884	S	0	1	2	1	2	2	
Fountain Hill ES	Room 101	1'x1' Floor Tile and Mastic	132	S	0	1	2	1	2	2	
Fountain Hill ES	Room 115	1'x1' Floor Tile and Mastic	100	S	0	1	2	1	2	2	
Fountain Hill ES	Room 118	1'x1' Floor Tile and Mastic	100	S	0	1	2	1	2	2	
Fountain Hill ES	Room 200	1'x1' Floor Tile and Mastic	120	S	0	1	2	1	2	2	Chunk missing
Fountain Hill ES	Room 207	9"x9" Floor Tile and Mastic	1,012	S	0	1	2	1	2	2	Mostly under carpet
Fountain Hill ES	Room 209	1'x1' Floor Tile and Mastic	100	S	0	1	2	1	2	2	
Fountain Hill ES	Room 213	1'x1' Floor Tile and Mastic	150	S	0	1	2	1	2	2	Some holes in tiles
Fountain Hill ES	Room 214	1'x1' Floor Tile and Mastic	100	S	0	1	2	1	2	2	Some holes in tiles
Fountain Hill ES	Room 220	1'x1' Floor Tile and Mastic	120	S	0	1	2	1	2	2	
Fountain Hill ES	Room 305	9"x9" Floor Tile and Mastic	1,020	S	0	1	2	1	2	2	Under carpet, Added January 2019
Fountain Hill ES	Room 307	9"x9" Floor Tile and Mastic	760	S	0	1	2	1	2	2	
Fountain Hill ES	Room 307	9"x9" Floor Tile and Mastic	3	S	2	1	2	1	2	2	Minor damage at entrance
Fountain Hill ES	School Psychologist	Fitting Insulation on FGIP	7	S	0	1	2	1	2	2	
Fountain Hill ES	School Psychologist/IT Room	9"x9" Floor Tile and Mastic	85	S	0	1	2	1	2	2	
Fountain Hill ES	School Store	1'x1' Floor Tile and Mastic	60	S	0	1	2	1	2	2	
Fountain Hill ES	Stairwell near Art Room	9"x9" Floor Tile and Mastic	240	S	0	1	2	1	2	2	
Fountain Hill ES	Stairwell near Room 123	1'x1' Floor Tile and Mastic	240	S	0	1	2	1	2	2	
Fountain Hill ES	Stairwell near Room 207	9"x9" Floor Tile and Mastic	240	S	0	1	2	1	2	2	
Fountain Hill ES	Stairwell to Basement	Fitting Insulation on FGIP	2	S	0	1	2	1	2	2	
Fountain Hill ES	Throughout School	Transite Window Sills	**	S	0	1	2	1	2	2	Assumed, Added July 2019
Fountain Hill ES	Throughout School	Thermal Pipe Insulation	**	S	0	1	2	1	2	2	Inside walls and above plaster ceilings

FGIP = Fiberglass Insulated Pipe

**= Not quantified, Assumed

Revised 8/26/2021
SSM File 107581.0014

TABLE 6-1
BETHLEHEM AREA SCHOOL DISTRICT
FOUNTAIN HILL ELEMENTARY SCHOOL

RECOMMENDED MINIMUM RESPONSE ACTIONS

<u>Material & Location</u>	<u>Estimated Quantity</u>	<u>Response Action</u>
Throughout Building		
9"x9" Floor Tile and Mastic	3,767 S.F.	Handle under the O&M Program
1'x1' Floor Tile and Mastic	8,954 S.F.	Handle under the O&M Program
School Psychologist, 1 st Floor Pipe Chase (Unknown quantity assumed in walls and above plaster ceilings)		
Thermal Pipe Insulation	Unknown	Handle under the O&M Program
Custodial Storage in Main Foyer, Gym Storage and Stairwell to Basement (Unknown quantity assumed in walls and above plaster ceilings)		
Fitting Insulation on FGIP	34 L.F	Handle under the O&M Program
Boiler Room		
Sprayed-on Fireproofing	1,200 S.F.	Handle under the O&M Program

FGIP= Fiberglass Insulated Pipe

TABLE 6-2

**BETHLEHEM AREA SCHOOL DISTRICT
FOUNTAIN HILL ELEMENTARY SCHOOL**

RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS REINSPECTION

There were no response actions taken in the Fountain Hill Elementary School since the previous 3-year AHERA Re-Inspection.

Removal of:

1. Approximately four (4) sections of asbestos-containing fitting insulation from Foyer Custodial Closet.

- | | |
|-------------------------|--|
| 1. Dates of Work | March 8, 2021 |
| 2. Abatement Contractor | Sargent Enterprise, Inc. (SEI)
616 North Street
Jim Thorpe, PA 19014 |
| 3. Disposal Site | Minerva Landfill
900 Minerva Road
Waynesburg, OH 44688 |
| 4. Air Monitoring | Air monitoring information is contained
in the report submitted to the Bethlehem Area
School District by Spotts, Stevens and McCoy
Project No. 107581.0013
dated March 15, 2021. |



July 2021 AHERA 3-Year Asbestos
Re-Inspection Report for the
Thomas Jefferson Elementary School

Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

July 2021 AHERA 3-Year Asbestos Re-Inspection Report for the Thomas Jefferson Elementary School

Prepared for: Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

Prepared by: Spotts, Stevens and McCoy



David L. Kuchinski, Asbestos Management Planner;
Pa. Certification No. 031173

**BETHLEHEM AREA SCHOOL DISTRICT
THOMAS JEFFERSON ELEMENTARY SCHOOL
ASHERA 3-YEAR ASBESTOS RE-INSPECTION REPORT
JULY, 2021**

EXECUTIVE SUMMARY

The ASHERA 3-Year Asbestos Re-Inspection of the Thomas Jefferson Elementary School was conducted by Mr. David L. Kuchinski on July 26, 2021. Mr. Kuchinski is an EPA ASHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The re-inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as ASHERA.

During the re-inspection, Mr. Kuchinski identified and assessed the condition of all known ACM, as noted in the re-inspection. Also noted in bold text, are damaged Asbestos Containing Materials (ACM) that are present in the building, which were either identified in a previous inspection or during this inspection. In areas where Spotts, Stevens and McCoy (SSM) could not identify ACM, a note was added in the "comments" section of the room-by-room computer inventory.

TABLE 4-1

**BETHLEHEM AREA SCHOOL DISTRICT
THOMAS JEFFERSON ELEMENTARY SCHOOL**

SUMMARY OF ACM

<u>Material Description</u>	<u>Type</u>	<u>Estimated Quantity</u>
1'x1' Floor Tile and Mastic	M	5,420 S.F.
Fitting Insulation on FGIP	T	19 Ea.

M = Miscellaneous ACM
T = Thermal Insulation
FGIP = Fiberglass Insulated Pipe

Table 1: Room By Room Inventory of ACM for the Thomas Jefferson Elementary School

School	Location	Material Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
Thomas Jefferson ES	Custodian Room	Fitting Insulation on FGIP	8	L	0	1	2	1	2	2	5 located above drop ceiling
Thomas Jefferson ES	Custodian Room	Fitting Insulation on FGIP	1	L	2	1	2	1	2	2	Cover torn
Thomas Jefferson ES	Cafeteria	1'x1' Floor Tile and Mastic	1,560	S	0	1	2	1	2	2	
Thomas Jefferson ES	Cafeteria	1'x1' Floor Tile and Mastic	5	S	2	1	2	1	2	2	Cracks & chunks missing
Thomas Jefferson ES	Cafeteria Foyer	1'x1' Floor Tile and Mastic	90	S	0	1	2	1	2	2	
Thomas Jefferson ES	Cafeteria Foyer	Fitting Insulation on FGIP	4	S	0	1	2	1	2	2	
Thomas Jefferson ES	Room 107	1'x1' Floor Tile and Mastic	240	S	0	1	2	1	2	1	
Thomas Jefferson ES	Right Side Classrooms (108, 109, 110)	1'x1' Floor Tile and Mastic	530	S	0	1	2	1	2	2	
Thomas Jefferson ES	Left Side Classrooms (102, 103, 104)	1'x1' Floor Tile and Mastic	530	L	0	1	2	1	2	2	
Thomas Jefferson ES	Right Side Coat Closets	1'x1' Floor Tile and Mastic	170	L	0	1	2	1	2	2	
Thomas Jefferson ES	Left Side Coat Closets	1'x1' Floor Tile and Mastic	170	S	0	1	2	1	2	2	
Thomas Jefferson ES	2nd Floor Right Side Classrooms (201, 202, 203)	1'x1' Floor Tile and Mastic	530	S	0	1	2	1	2	2	Few chunks missing
Thomas Jefferson ES	2nd Floor Left Side Classrooms (204, 205, 206)	1'x1' Floor Tile and Mastic	530	S	0	1	2	1	2	2	Few cracks
Thomas Jefferson ES	Nurse's Office and Copy Room	1'x1' Floor Tile and Mastic	1,065	S	0	1	2	1	2	2	
Thomas Jefferson ES	Above 1st Floor Ceiling	Fitting Insulation on FGIP	Unknown	S	0	1	2	1	2	2	Assumed above ceilings and behind walls
Thomas Jefferson ES	Door 7 Vestibule	1'x1' Floor Tile and Mastic	176	S	0	1	2	1	2	2	
Thomas Jefferson ES	Paper Storage	1'x1' Floor Tile and Mastic	130	S	0	1	2	1	2	2	
Thomas Jefferson ES	Paper Storage	Fitting Insulation on FGIP	6	S	0	1	2	1	2	2	At water heater & above ceiling
Thomas Jefferson ES	Gym Storage	1'x1' Floor Tile and Mastic	300	S	0	1	2	1	2	2	

FGIP = Fiberglass Insulated Pipe

**= Not quantified, Assumed

Revised 8/26/2021
SSM File 107581.0014

TABLE 6-1
BETHLEHEM AREA SCHOOL DISTRICT
THOMAS JEFFERSON ELEMENTARY SCHOOL
RECOMMENDED MINIMUM RESPONSE ACTIONS

<u>Material & Location</u>	<u>Estimated Quantity</u>	<u>Response Action</u>
Throughout Building 1'x1' Floor Tile and Mastic	5,420 S.F.	Handle under the O&M Program
Throughout Building (Unknown Amount in walls and above ceilings) Fitting Insulation on FGIP	19 S.F.	Handle under the O&M Program

FGIP= Fiberglass insulated pipe

TABLE 6-2

**BETHLEHEM AREA SCHOOL DISTRICT
THOMAS JEFFERSON ELEMENTARY SCHOOL**

RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS REINSPECTION

There were no response actions taken in the Thomas Jefferson Elementary School since the previous 3-year AHERA Re-Inspection.



**July 2021 AHERA 3-Year Asbestos
Re-Inspection Report for the
William Penn Elementary School**

Bethlehem Area School District

**Inspected: July 2021
Report Issued: August 2021**

July 2021 AHERA 3-Year Asbestos Re-Inspection Report for the William Penn Elementary School

Prepared for: Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

Prepared by: Spotts, Stevens and McCoy



David L. Kuchinski, Asbestos Management Planner;
Pa. Certification No. 031173

**BETHLEHEM AREA SCHOOL DISTRICT
WILLIAM PENN ELEMENTARY SCHOOL
ASHERA 3-YEAR ASBESTOS RE-INSPECTION REPORT
JULY, 2021**

EXECUTIVE SUMMARY

The ASHERA 3-Year Asbestos Re-Inspection of the William Penn Elementary School was conducted by Mr. David L. Kuchinski on July 26, 2021. Mr. Kuchinski is an EPA ASHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The re-inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as ASHERA.

During the re-inspection, Mr. Kuchinski identified and assessed the condition of all known ACM, as noted in the re-inspection. Also noted in bold text, are damaged Asbestos Containing Materials (ACM) that are present in the building, which were either identified in a previous inspection or during this inspection. In areas where Spotts, Stevens and McCoy (SSM) could not identify ACM, a note was added in the "comments" section of the room-by-room computer inventory.

TABLE 4-1

**BETHLEHEM AREA SCHOOL DISTRICT
WILLIAM PENN ELEMENTARY SCHOOL**

SUMMARY OF ACM

<u>Material Description</u>	<u>Type</u>	<u>Estimated Quantity</u>
1'x1' Floor Tile and Mastic	M	5,050 S.F.
Fitting Insulation on FGIP	T	21 Ea.

M = Miscellaneous ACM
T = Thermal Insulation
FGIP = Fiberglass Insulated Pipe

Table 1: Room By Room Inventory of ACM for the William Penn Elementary School

School	Location	Material Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
William Penn ES	1st Floor Storage (Former Custodian Room)	Fitting Insulation on FGIP	17	L	0	1	2	1	2	2	
William Penn ES	All Purpose Room	1'x1' Floor Tile and Mastic	1,570	S	0	1	2	1	2	2	
William Penn ES	Hallway to All Purpose Room	1'x1' Floor Tile and Mastic	400	S	0	1	2	1	2	2	
William Penn ES	Hallway to All Purpose Room	Fitting Insulation on FGIP	4	S	0	1	2	1	2	2	
William Penn ES	Room 107	1'x1' Floor Tile and Mastic	300	S	0	1	2	1	2	1	
William Penn ES	Right Side Classrooms (104, 105, 106)	1'x1' Floor Tile and Mastic	530	S	0	1	2	1	2	2	
William Penn ES	Left Side Classrooms (101, 102,103)	1'x1' Floor Tile and Mastic	530	L	0	1	2	1	2	2	
William Penn ES	Right Side Storage Closets	1'x1' Floor Tile and Mastic	170	L	0	1	2	1	2	2	
William Penn ES	Left Side Storage Closets	1'x1' Floor Tile and Mastic	170	S	0	1	2	1	2	2	
William Penn ES	2nd Floor Right Side Classrooms	1'x1' Floor Tile and Mastic	530	S	0	1	2	1	2	2	
William Penn ES	2nd Floor Left Side Classrooms	1'x1' Floor Tile and Mastic	530	S	0	1	2	1	2	2	
William Penn ES	Nurse's Office and Copy Room	1'x1' Floor Tile and Mastic	320	S	0	1	2	1	2	2	
William Penn ES	Above 1st Floor Ceiling	Fitting Insulation on FGIP	Unknown	S	0	1	2	1	2	2	Assumed above ceilings and behind walls
William Penn ES	Gym Storage	1'x1' Floor Tile and Mastic	220	S	0	1	2	1	2	2	
William Penn ES	Door 6 Vestibule	1'x1' Floor Tile and Mastic	160	S	0	1	2	1	2	2	
William Penn ES	Gym Storage	Fitting Insulation on FGIP	12	S	0	1	2	1	2	2	At water heater

TABLE 6-1
BETHLEHEM AREA SCHOOL DISTRICT
WILLIAM PENN ELEMENTARY SCHOOL

RECOMMENDED MINIMUM RESPONSE ACTIONS

<u>Material & Location</u>	<u>Estimated Quantity</u>	<u>Response Action</u>
Throughout Building 1'x1' Floor Tile and Mastic	5,050 S.F.	Handle under the O&M Program
Throughout Building (Unknown Amount in walls and above ceilings) Fitting Insulation on FGIP	21 S.F.	Handle under the O&M Program

FGIP= Fiberglass insulated pipe

TABLE 6-2

**BETHLEHEM AREA SCHOOL DISTRICT
WILLIAM PENN ELEMENTARY SCHOOL**

RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS REINSPECTION

There were no response actions taken in the William Penn Elementary School since the previous 3-year AHERA Re-Inspection.



**July 2021 AHERA 3-Year Asbestos
Re-Inspection Report for the
Colonial Intermediate Unit #20**

Bethlehem Area School District

**Inspected: July 2021
Report Issued: August 2021**

July 2021 AHERA 3-Year Asbestos Re-Inspection Report for the Colonial Intermediate Unit #20

Prepared for: Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

Prepared by: Spotts, Stevens and McCoy



David L. Kuchinski, Asbestos Management Planner;
Pa. Certification No. 031173

**BETHLEHEM AREA SCHOOL DISTRICT
COLONIAL INTERMMEDIATE UNIT #20
AHERA 3-YEAR ASBESTOS RE-INSPECTION REPORT
JULY, 2021**

EXECUTIVE SUMMARY

The AHERA 3-Year Asbestos Re-Inspection of the Colonial IU #20 was conducted by Mr. David L. Kuchinski on July 26, 2021. Mr. Kuchinski is an EPA AHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The re-inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as AHERA.

During the re-inspection, Mr. Kuchinski identified and assessed the condition of all known ACM, as noted in the re-inspection. Also noted in bold text, are damaged Asbestos Containing Materials (ACM) that are present in the building, which were either identified in a previous inspection or during this inspection. In areas where Spotts, Stevens and McCoy (SSM) could not identify ACM, a note was added in the "comments" section of the room-by-room computer inventory.

TABLE 4-1
BETHLEHEM AREA SCHOOL DISTRICT
COLONIAL IU #20

SUMMARY OF ACM

<u>Material Description</u>	<u>Type</u>	<u>Estimated Quantity</u>
1'x1' Floor Tile and Mastic	M	5,349 S.F.

Table 1: Room By Room Inventory of ACM for the Colonial IU #20

School	Location	Material Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
Colonial IU #20	Hallway	1'x1' Floor Tile and Mastic	2,100	S	0	1	2	1	2	2	
Colonial IU #20	Family Resource Room	1'x1' Floor Tile and Mastic	280	S	0	1	2	1	2	2	
Colonial IU #20	Custodial/Electrical Room	1'x1' Floor Tile and Mastic	65	S	0	1	2	1	2	2	
Colonial IU #20	Custodial/Electrical Room	1'x1' Floor Tile and Mastic	10	S	2	1	2	1	2	2	Missing or cracked tile
Colonial IU #20	Spark Supplies	1'x1' Floor Tile and Mastic	280	S	0	1	2	1	2	2	
Colonial IU #20	IT Room	1'x1' Floor Tile and Mastic	120	S	0	1	2	1	2	2	
Colonial IU #20	Multi-Purpose Room	1'x1' Floor Tile and Mastic	1,600	S	0	1	2	1	2	2	
Colonial IU #20	Boiler Room	1'x1' Floor Tile and Mastic	50	S	0	1	2	1	2	2	
Colonial IU #20	Support Services	1'x1' Floor Tile and Mastic	144	S	0	1	2	1	2	2	
Colonial IU #20	Work Room 2	1'x1' Floor Tile and Mastic	120	S	0	1	2	1	2	2	Under carpet
Colonial IU #20	Multi-Purpose Room 2	1'x1' Floor Tile and Mastic	410	S	0	1	2	1	2	2	
Colonial IU #20	Faculty Bathroom	1'x1' Floor Tile and Mastic	50	S	0	1	2	1	2	2	
Colonial IU #20	Mechanical Room (Water Heater)	1'x1' Floor Tile and Mastic	120	S	0	1	2	1	2	2	

TABLE 6-1
BETHLEHEM AREA SCHOOL DISTRICT
COLONIAL IU #20

RECOMMENDED MINIMUM RESPONSE ACTIONS

<u>Material & Location</u>	<u>Estimated Quantity</u>	<u>Response Action</u>
Throughout Building 1'x1' Floor Tile and Mastic	5,349 S.F.	Handle under the O&M Program

TABLE 6-2

**BETHLEHEM AREA SCHOOL DISTRICT
COLONIAL IU #20**

RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS REINSPECTION

There were no response actions taken in the Colonial IU #20 since the previous 3-year AHERA Re-Inspection.



July 2021 AHERA 3-Year Asbestos
Re-Inspection Report for the
Bethlehem Area School District
Administration Building

Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

July 2021 AHERA 3-Year Asbestos Re-Inspection Report for the Bethlehem Area School District Administration Building

Prepared for: Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

Prepared by: Spotts, Stevens and McCoy



David L. Kuchinski, Asbestos Management Planner;
Pa. Certification No. 031173

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BETHLEHEM AREA SCHOOL DISTRICT
BETHLEHEM AREA SCHOOL DISTRICT ADMINISTRATION BUILDING
AHERA 3-YEAR ASBESTOS RE-INSPECTION REPORT
JULY, 2021

EXECUTIVE SUMMARY

The AHERA 3-Year Asbestos Re-Inspection of the Administration Building was conducted by Mr. David L. Kuchinski on July 26, 2021. Mr. Kuchinski is an EPA AHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The re-inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as AHERA.

During the re-inspection, Mr. Kuchinski identified and assessed the condition of all known ACM, as noted in the re-inspection. Also noted in bold text, are damaged Asbestos Containing Materials (ACM) that are present in the building, which were either identified in a previous inspection or during this inspection. In areas where Spotts, Stevens and McCoy (SSM) could not identify ACM, a note was added in the "comments" section of the room-by-room computer inventory.

TABLE 4-1

**BETHLEHEM AREA SCHOOL DISTRICT
ADMINISTRATION BUILDING**

SUMMARY OF ACM

<u>Material Description</u>	<u>Type</u>	<u>Estimated Quantity</u>
9"x9" Floor Tile and Mastic	M	7,430 S.F.
1'x1' Floor Tile and Mastic	M	575 S.F.
Acoustical Ceiling Plaster	S	150 S.F.
Blackboard Adhesive*	M	80 S.F.
Fire Doors*	M	2 Each
Sink Undercoating	M	3 Each
Sheet Vinyl Flooring	M	1,095 S.F.
Fitting Insulation on FGIP	T	Unknown
Thermal Pipe Insulation	T	Unknown

*Material is *assumed* to contain asbestos

M = Miscellaneous ACM

T = Thermal Insulation

S= Surfacing Material

FGIP = Fiberglass Insulated Pipe

Table 1: Room By Room Inventory of ACM for the Bethlehem Area School District Administration Building

School	Location	Material Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
Administration Bldg.	Main Entrance	9"x9" Floor Tile and Mastic	320	S	0	1	2	1	2	2	
Administration Bldg.	Stage Utility Closet	9"x9" Floor Tile and Mastic	200	S	0	1	2	1	2	2	
Administration Bldg.	Edgeboro Room Storage	Sheet Vinyl Flooring	200	S	0	1	2	1	2	2	
Administration Bldg.	Child Accounting Office	Blackboard/Tack Board Adhesive	16	S	0	1	2	1	2	2	
Administration Bldg.	Director of Human Resources	9"x9" Floor Tile and Mastic	675	S	0	1	2	1	2	2	Under carpet
Administration Bldg.	Production Dept./ Mail Room	9"x9" Floor Tile and Mastic	1,150	S	0	1	2	1	2	2	Showing wear
Administration Bldg.	Production Dept./ Mail Room	Blackboard/Tack Board Adhesive	16	S	0	1	2	1	2	2	
Administration Bldg.	Office of Grants and Development	9"x9" Floor Tile and Mastic	820	S	0	1	2	1	2	2	Under carpet
Administration Bldg.	Office of Grants and Development	Blackboard/Tack Board Adhesive	16	S	0	1	2	1	2	2	
Administration Bldg.	Tax Office Kitchen Area	9"x9" Floor Tile and Mastic	1,320	S	0	1	2	1	2	2	Under carpet
Administration Bldg.	Tax Office Kitchen Area	Sink Undercoating	1	S	0	1	2	1	2	2	
Administration Bldg.	Finance and Administration	1'x1' Floor Tile and Mastic	425	S	0	1	2	1	2	2	Under carpet
Administration Bldg.	Finance and Administration	Sheet Vinyl Flooring	50	S	0	1	2	1	2	2	
Administration Bldg.	Finance and Administration	Sink Undercoating	1	S	0	1	2	1	2	2	
Administration Bldg.	Finance and Administration Secretary	Sheet Vinyl Flooring	425	S	0	1	2	1	2	2	Under carpet
Administration Bldg.	West Stairwell	9"x9" Floor Tile and Mastic	600	S	0	1	2	1	2	2	
Administration Bldg.	West Stairwell	1'x1' Floor Tile and Mastic	150	S	0	1	2	1	2	2	
Administration Bldg.	1st Floor North Entrance	Acoustical Ceiling Plaster	150	S	0	1	2	1	2	2	
Administration Bldg.	East Stairwell	9"x9" Floor Tile and Mastic	600	S	0	1	2	1	2	2	Some cracks & chunks missing
Administration Bldg.	2nd Floor Special Ed. Closet	9"x9" Floor Tile and Mastic	365	S	0	1	2	1	2	2	Under carpet
Administration Bldg.	Superintendent Office	9"x9" Floor Tile and Mastic	690	S	0	1	2	1	2	2	Under carpet
Administration Bldg.	Superintendent Kitchen	9"x9" Floor Tile and Mastic	200	S	0	1	2	1	2	2	
Administration Bldg.	Monocacy Room	9"x9" Floor Tile and Mastic	690	S	0	1	2	1	2	2	Under carpet
Administration Bldg.	Monocacy Room	Blackboard/Tack Board Adhesive	16	S	0	1	2	1	2	2	
Administration Bldg.	Kitchen	Sink Undercoating	1	S	0	1	2	1	2	2	
Administration Bldg.	Office of Student Services	Blackboard/Tack Board Adhesive	16	S	0	1	2	1	2	2	
Administration Bldg.	Grenadier Room	Sheet Vinyl Flooring	420	S	0	1	2	1	2	2	Under carpet, Visible in Closet
Administration Bldg.	Basement	Fire Door	2	S	0	1	2	1	2	2	Assumed
Administration Bldg.	Throughout Building	Thermal Pipe Insulation	Unknown	L	0	1	2	1	2	2	Assumed in Walls and above plaster ceilings
Administration Bldg.	Throughout Building	Fitting Insulation on FGIP	Unknown	L	0	1	2	1	2	2	Assumed in Walls and above plaster ceilings

TABLE 6-1
BETHLEHEM AREA SCHOOL DISTRICT
ADMINISTRATION BUILDING

RECOMMENDED MINIMUM RESPONSE ACTIONS

<u>Material & Location</u>	<u>Estimated Quantity</u>	<u>Response Action</u>
Throughout Building		
9"x9" Floor Tile and Mastic	7,430 S.F.	Handle under the O&M Program.
1'x1' Floor Tile and Mastic	575 S.F.	Handle under the O&M Program.
1 st Floor North Entrance		
Acoustical Ceiling Plaster	150 S.F.	Handle under the O&M Program
Throughout Building		
Blackboard Adhesive	80 S.F.	Handle under the O&M Program
Basement		
Fire Doors*	2 Each	Handle under the O&M Program
Kitchen, Tax Office Kitchen Area and Finance and Administration		Handle under the O&M Program
Sink Undercoating*		
Throughout Building		
Sheet Vinyl Flooring	1,095 S.F.	Handle under the O&M Program
Throughout Building (assumed in walls and above plaster ceilings)		
Thermal Pipe Insulation	Unknown	Handle under the O&M Program
Fitting Insulation on FGIP	Unknown	Handle under the O&M Program

FGIP= Fiberglass insulated pipe

*Material is *assumed* to contain asbestos

TABLE 6-2

**BETHLEHEM AREA SCHOOL DISTRICT
BETHLEHEM AREA SCHOOL DISTRICT ADMINISTRATION BUILDING
RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS REINSPECTION**

There were no response actions taken in the Administration Building since the previous 3-year AHERA Re-Inspection.



**July 2021 AHERA 3-Year Asbestos
Re-Inspection Report for the
Maintenance Building**

Bethlehem Area School District

**Inspected: July 2021
Report Issued: August 2021**

July 2021 AHERA 3-Year Asbestos Re-Inspection Report for the Maintenance Building

Prepared for: Bethlehem Area School District

Inspected: July 2021
Report Issued: August 2021

Prepared by: Spotts, Stevens and McCoy



David L. Kuchinski, Asbestos Management Planner;
Pa. Certification No. 031173

**BETHLEHEM AREA SCHOOL DISTRICT
MAINTENANCE BUILDING
ASHERA 3-YEAR ASBESTOS RE-INSPECTION REPORT
JULY, 2021**

EXECUTIVE SUMMARY

The ASHERA 3-Year Asbestos Re-Inspection of the Maintenance Building was conducted by Mr. David L. Kuchinski on July 26, 2021. Mr. Kuchinski is an EPA ASHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The re-inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as ASHERA.

During the re-inspection, Mr. Kuchinski identified and assessed the condition of all known ACM, as noted in the re-inspection. Also noted in bold text, are damaged Asbestos Containing Materials (ACM) that are present in the building, which were either identified in a previous inspection or during this inspection. In areas where Spotts, Stevens and McCoy (SSM) could not identify ACM, a note was added in the "comments" section of the room-by-room computer inventory.

TABLE 4-1
BETHLEHEM AREA SCHOOL DISTRICT
MAINTENANCE BUILDING
SUMMARY OF ACM

<u>Material Description</u>	<u>Type</u>	<u>Estimated Quantity</u>
9"x9" Floor Tile and Mastic	M	80 S.F.

Table 1: Room By Room Inventory of ACM for the Maintenance Building

School	Location	Material Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
Maintenance Bldg.	Ladies Restroom Foyer	9"x9" Floor Tile and Mastic	80	S	0	1	2	1	2	2	

TABLE 6-1
BETHLEHEM AREA SCHOOL DISTRICT
MAINTENANCE BUILDING

RECOMMENDED MINIMUM RESPONSE ACTIONS

<u>Material & Location</u>	<u>Estimated Quantity</u>	<u>Response Action</u>
Ladies Restroom Foyer 9"x9" Floor Tile and Mastic	80 S.F.	Handle under the O&M Program

TABLE 6-2

**BETHLEHEM AREA SCHOOL DISTRICT
BETHLEHEM AREA SCHOOL DISTRICT MAINTENANCE BUILDING
RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS REINSPECTION**

There were no response actions taken in the Maintenance Building since the previous 3-year AHERA Re-Inspection.

Accreditations

PENNSYLVANIA ASBESTOS CERTIFICATION

031173



Sex M Height 6'05" Eyes HZL Birth Date 09/05/1965

Expires 12/10/2021 Issue Date 01/11/2021

Class
INSPECTOR

DAVID L KUCHINSKI
402 W WYOMISSING BLVD
WEST LAWN PA 19609

Delkara

PENNSYLVANIA ASBESTOS CERTIFICATION

031173



Sex M Height 6'05" Eyes HZL Birth Date 09/05/1965

Expires 12/10/2021 Issue Date 01/11/2021

Class
MANAGEMENT PLANNER

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WEST LAWN PA 19609

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