

BETHLEHEM AREA SCHOOL DISTRICT

CAPITAL IMPROVEMENTS PLAN



Updated Report on Findings and Recommendations

November 3, 2021

Prepared by:
D'Huy Engineering, Inc.



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2021

BETHLEHEM AREA SCHOOL DISTRICT

BOARD OF SCHOOL DIRECTORS

**MICHAEL E. FACCINETTO
PRESIDENT**

**SHANNON PATRICK
VICE PRESIDENT**

**DAWN YOUNG
TREASURER**

**WINSTON ALOZIE
DR. KAREN BECK POOLEY
DR. DEAN DONAHER
CRAIG NEIMAN**

**DR. KIM SHIVELY
ANGELA SINKLER
EMILY SCHENKEL**

ADMINISTRATION

**DR. JOSEPH J. ROY
SUPERINTENDENT OF SCHOOLS**

**STACY GOBER
CHIEF FINANCIAL OFFICER**

**DR. JACK SILVA
ASSISTANT SUPERINTENDENT FOR
EDUCATION / CHIEF ACADEMIC
OFFICER**

**RUSSELL R. GIORDANO
CHIEF HUMAN RESOURCES
OFFICER**

**MARIE BACHMAN
CHIEF TECHNOLOGY OFFICER**

**MARK STEIN
CHIEF FACILITIES & OPERATIONS OFFICER**

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

EXECUTIVE SUMMARY

Presented herein is the November 3, 2021 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, 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 summarized 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 \$200 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.

- Tab 8 Summary of Recent Bond 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 2021. In this Tab there is also a New Ten-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.

In Tab 10 there is also the start of a New 10-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. 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.

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

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 3, 2021

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	\$ 60,000	FA
Asa Packer	Provide additional outlets in M.P. Room	2	4	3	1	2	4	1	6	\$ 26,172	ES
Asa Packer	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 51,975	ID
Asa Packer	Regrade play area at east end for drainage	2	2	4	2	2	5	1	6	\$ 42,909	L
Asa Packer	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 173,250	ES
Asa Packer	Repair cracks & paint Multi-Purpose Room walls	1	2	3	2	2	5	4	5	\$ 23,341	IP
Asa Packer	Improve exterior lighting	2	2	3	0	0	5	2	5	\$ 102,960	EL
Asa Packer	Replace folding partition in Multi-Purpose Room	2	1	3	0	1	5	4	4	\$ 128,728	UN
Asa Packer	Renovate stage area: curtains & lighting	1	1	2	0	0	5	2	3	\$ 127,050	SC
Asa Packer	Contingency, miscellaneous & unidentified items								0	\$ 133,140	CN
Asa Packer	Provide handicapped accessibility								0	\$ 166,144	HA
									TOTAL	\$ 1,035,668	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
 RECOMMENDATIONS
 LISTING BY SCHOOLS

mp2000b

November 3, 2021

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	\$ 186,000	AF
Broughal	Paint interior of the building	0	2	3	2	4	3	0	5	\$ 460,000	IP
Broughal	NEW BUILDING Completed in 2009	0	0	0	0	0	0	0	0		
									TOTAL	\$ 646,000	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 3, 2021

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	\$ 90,000	FA
Buchanan	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 3,727,200	HV
Buchanan	Replace sidewalk and curbs along Catasauqua Road	3	2	2	3	4	3	2	7	\$ 23,555	CO
Buchanan	Repair and recoat roof for extended warranty (2018)	2	2	4	4	3	2	1	7	\$ 180,919	R
Buchanan	Patch and seal bituminous paving	2	2	2	2	5	3	2	6	\$ 46,200	PA
Buchanan	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 233,310	IL
									TOTAL	\$ 4,301,185	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Clearview										
Clearview	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
Clearview	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 299,330	R
Clearview	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 63,525	PA
Clearview	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 251,909	IL
Clearview	Paint interior of building	0	2	3	2	4	3	0	5	\$ 110,000	IP
Clearview	RENOVATION Completed in 2000	0	0	0	0	0	0	0	0	\$ -	
									TOTAL	\$ 799,764	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
 RECOMMENDATIONS
 LISTING BY SCHOOLS

mp2000b

November 3, 2021

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	\$ 120,000	FA
Donegan	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 63,525	PA
Donegan	Repair and re-coat roof for extended warranty (2021)	2	2	2	3	4	2	1	6	\$ 226,380	R
Donegan	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 325,192	IL
Donegan	Paint interior of building	0	2	3	2	4	3	0	5	\$ 142,000	IP
Donegan	Replace classroom signage	0	2	3	2	4	3	0	5	\$ 18,750	UN
Donegan	NEW BUILDING Completed in 2001	0	0	0	0	0	0	0	0	\$ -	
									TOTAL	\$ 895,847	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 3, 2021

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	\$ 952,875	HV
East Hills	Replace emergency generator and transfer switch	3	2	3	3	3	5	2	7	\$ 369,600	ES
East Hills	Replace auditorium lighting	3	2	3	3	3	5	2	7	\$ 250,000	IL
East Hills	Replace HVAC unit in Faculty Planning and Waiting Rooms	2	3	4	2	2	5	3	7	\$ 161,700	HV
East Hills	Replace existing bleachers	3	3	3	2	1	5	2	7	\$ 107,306	AF
East Hills	Install air handler for room 110 Special Ed./Reading	2	3	3	3	2	5	1	7	\$ 173,250	HV
East Hills	Replace air handlers in original building (partially completed in 2017)	2	3	3	3	1	5	2	7	\$ 4,042,500	HV
East Hills	Replace grease traps and sanitary pump	2	3	3	3	1	5	2	7	\$ 101,192	P
East Hills	Replace exterior lighting	3	3	3	2	0	5	2	7	\$ 86,625	EL
East Hills	Replace cafeteria make-up air unit	2	3	3	3	1	5	2	7	\$ 190,575	HV
East Hills	Repair corridor quarry tile in isolated areas	3	3	3	1	1	5	2	6	\$ 27,806	FT
East Hills	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 231,000	ID
East Hills	Provide hot water in Home Economics area	3	3	4	0	1	5	0	6	\$ 51,975	P
East Hills	Upgrade athletic fields including track repairs	2	3	2	2	3	4	1	6	\$ 750,750	AF
East Hills	Renovations to 6th & 7th grade restrooms	2	2	2	3	3	5	2	6	\$ 369,600	TR
East Hills	Seal paved areas gymnasium lot and rear drive	2	2	2	2	5	3	2	6	\$ 69,300	PA
East Hills	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 669,384	ES
East Hills	Remove & replace concrete sidewalk	2	2	2	2	3	5	1	6	\$ 84,102	CO
East Hills	Remove & replace concrete curb (linear & radius)	2	2	2	2	3	5	1	6	\$ 51,491	CO
East Hills	Replace wall covering in Auditorium	3	2	3	0	0	5	2	5	\$ 48,060	IP
East Hills	Replace casework	3	2	3	0	0	5	2	5	\$ 825,825	UN
East Hills	Repoint stone walls at main entry	2	0	3	2	4	5	1	5	\$ 65,221	M
East Hills	Repair auditorium entry limestone columns	2	0	3	2	4	5	1	5	\$ 50,000	M
East Hills	Replace interior lighting (improve energy savings, partially completed in 2017)	2	1	2	1	4	4	2	5	\$ 665,500	IL
East Hills	Renovate stage area, curtains, lighting and replace auditorium seats	2	2	3	0	0	5	3	5	\$ 750,750	SC
East Hills	Interior Painting (Café, gym, hallways & lavs)	0	2	3	2	4	3	0	5	\$ 130,000	IP
East Hills	Replace student lockers	2	2	2	0	0	5	1	4	\$ 304,920	SL
East Hills	Repair floor cracks in Room 204	2	1	3	0	1	5	1	4	\$ 8,067	UN
East Hills	Replace or repair ceiling tiles (partially completed in 2017)	1	2	3	0	0	5	1	4	\$ 381,150	CT
East Hills	Provide additional sound baffles in Cafeteria	0	2	2	0	0	5	1	3	\$ 34,328	UN
East Hills	Replace metal fascia panels at kitchen loading area	1	0	2	0	1	5	1	2	\$ 49,040	R
East Hills	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 12,014	PS
East Hills	Repair masonry	0	0	2	0	1	5	1	2	\$ 40,866	M
East Hills	Upgrade handicapped accessibility								0	\$ 85,819	HA
East Hills	Contingency, miscellaneous & unidentified items								0	\$ 215,592	CN
									TOTAL	\$ 12,408,184	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Farmersville										
Farmersville	Inerior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 90,000	FA
Farmersville	Replace clock system	3	3	3	3	3	3	3	8	\$ 60,000	UN
Farmersville	Regrade & provide storm drainage at right of main entrance	3	2	3	3	3	2	2	7	\$ 26,172	SS
Farmersville	Install secure entrance vestibule at main building entrance and daycare	4	2	3	2	0	4	2	6	\$ 49,500	ID
Farmersville	Seal all split face block and recaulk exterior and masonry repairs to south classroom wing	2	1	1	5	4	3	4	6	\$ 161,700	M
Farmersville	Paving repairs and seal coating	2	2	2	2	5	3	2	6	\$ 259,875	PA
Farmersville	Interior painting of corridors	0	2	3	2	4	3	0	5	\$ 35,000	IP
									TOTAL	\$ 682,247	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 3, 2021

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	\$ 135,000	FA
Fountain Hill	Renovate toilet rooms and replace piping	3	3	4	2	2	5	2	7	\$ 588,877	TR
Fountain Hill	Replace and upgrade HVAC System	2	3	4	3	1	5	1	7	\$ 7,161,000	HV
Fountain Hill	Replace steam boilers	3	3	3	2	1	5	2	7	\$ 693,000	HV
Fountain Hill	Replace exterior doors	3	2	4	2	2	5	2	7	\$ 188,800	ED
Fountain Hill	Provide stage light dimming system	2	3	4	2	2	5	2	7	\$ 127,050	IL
Fountain Hill	Improve exhaust in bathrooms	2	3	4	2	2	5	2	7	\$ 92,400	TR
Fountain Hill	Replace fire alarm system	2	3	2	3	3	5	2	7	\$ 236,775	FA
Fountain Hill	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 69,300	ID
Fountain Hill	Upgrade electrical distribution system and replace lighting	2	3	3	3	1	4	1	6	\$ 831,600	ES
Fountain Hill	Replace floor carpeting in various areas	3	2	3	2	1	4	3	6	\$ 189,749	FC
Fountain Hill	Repair window seals/replace and caulk all joints	2	3	3	2	1	5	2	6	\$ 128,728	WR
Fountain Hill	Provide water coolers	2	2	4	2	2	5	2	6	\$ 34,328	UN
Fountain Hill	Provide additional outlets in classrooms	2	3	2	2	1	5	3	6	\$ 120,145	ES
Fountain Hill	Overlay bituminous paving	2	2	2	2	5	3	2	6	\$ 98,175	PA
Fountain Hill	Renovate Cafeteria and Kitchen	2	3	2	2	1	5	3	6	\$ 981,750	UN
Fountain Hill	Renovate Gymnasium and Stage	2	3	2	2	1	5	3	6	\$ 519,750	UN
Fountain Hill	Landscape & fence steep embankment	2	2	3	2	2	5	1	6	\$ 42,909	L
Fountain Hill	Replace ceiling tiles	3	2	3	0	1	5	2	5	\$ 288,750	CT
Fountain Hill	Repair plaster ceiling on 3rd floor	3	2	3	0	1	5	2	5	\$ 57,750	CT
Fountain Hill	Repair stone wall and fencing	3	1	3	0	3	5	1	5	\$ 75,900	M
Fountain Hill	Replace intercom system add additional speakers	2	2	2	2	1	3	2	5	\$ 88,935	IC
Fountain Hill	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 375,573	IL
Fountain Hill	Provide new window shades, blinds, etc.	2	3	2	0	0	5	2	5	\$ 37,245	WS
Fountain Hill	Renovate stage area	2	2	2	0	0	5	2	4	\$ 150,150	SC
Fountain Hill	Re-paint concrete in sheltered play areas	1	2	2	0	0	5	2	4	\$ 15,447	EP
Fountain Hill	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 12,014	PS
Fountain Hill	Contingency, miscellaneous & unidentified items								0	\$ 185,832	CN
Fountain Hill	Handicapped accessibility, including stair lift								0	\$ 173,250	HA
									TOTAL	\$ 13,700,181	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SCHOOLS

mp2000b

November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Freedom										
Freedom	Replace roof on science wing	5	4	4	3	3	4	3	10	\$ 785,400	R
Freedom	Repair and recoat roof (all areas) for extended warranty (2019)	2	3	4	4	3	4	4	8	\$ 1,908,400	R
Freedom	Upgrade fire alarm system panel	2	4	3	2	3	5	2	7	\$ 110,880	FA
Freedom	Replace auditorium lighting (seperate from auditorium renovations)	3	2	3	3	3	5	2	7	\$ 512,000	IL
Freedom	Replace interior doors in central lobby (8 locations)	4	2	3	2	1	5	1	7	\$ 183,206	D
Freedom	Repair/replace student lockers	3	3	3	2	1	5	1	7	\$ 326,928	SL
Freedom	Tennis court repairs / resurfacing	3	3	3	2	1	5	1	7	\$ 80,000	AF
Freedom	Provide redundant UPS system for Network Center	2	3	2	3	3	4	2	7	\$ 344,093	ES
Freedom	Install roof coating on Siplast roof areas	2	2	3	3	3	4	3	6	\$ 654,308	R
Freedom	Replace roof on wrestling room	2	2	3	3	3	4	3	6	\$ 121,275	R
Freedom	Replace all HVAC equipment and controls in original building	2	2	3	3	3	5	2	6	\$ 4,620,000	HV
Freedom	Replace chillers, pumps and piping in original building mechanical room	2	2	3	3	3	5	2	6	\$ 2,002,000	HV
Freedom	Renovate pool locker rooms	2	2	4	2	2	5	2	6	\$ 441,351	AF
Freedom	Replace air handlers/U.V.'s in original building	2	3	3	2	1	5	2	6	\$ 12,993,750	HV
Freedom	Overlay bituminous paved areas at east and west lot	2	2	2	2	5	3	2	6	\$ 415,800	PA
Freedom	Remove & replace concrete sidewalk	2	2	3	2	3	5	1	6	\$ 34,328	CO
Freedom	Remove & replace concrete flatwork	2	2	3	2	3	5	1	6	\$ 77,238	CO
Freedom	Replace ceiling tiles	2	2	4	2	1	5	2	6	\$ 622,545	CT
Freedom	Repair and repoint masonry (15%) (exterior brick walls)	2	1	4	2	3	5	2	6	\$ 100,064	M
Freedom	Renovate auditorium	2	2	3	2	2	5	1	6	\$ 2,440,000	UN
Freedom	Storm drainage system upgrades in field areas	3	1	2	2	3	5	1	6	\$ 274,810	SS
Freedom	Repair or replace water coolers	2	2	3	2	1	5	2	6	\$ 42,909	P
Freedom	Repoint stone wall	3	1	3	0	4	5	1	5	\$ 34,328	M
Freedom	Upgrade building exhaust (allowance)	2	2	2	2	1	5	2	5	\$ 115,500	HV
Freedom	Provide new window shades, blinds, etc.	2	2	4	0	0	5	2	5	\$ 63,161	WS
Freedom	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 1,304,689	IL
Freedom	Install restrooms at synthetic turf field	2	1	3	1	1	5	1	4	\$ 288,750	TR
Freedom	Install restrooms at field house	2	1	3	1	1	5	1	4	\$ 346,500	TR
Freedom	Add classroom electrical outlets	2	2	3	0	0	5	0	4	\$ 138,600	ES
Freedom	Add field house building at turf field	2	2	2	1	1	2	1	4	\$ 216,000	AF
Freedom	Add additional bleachers at turf field	2	2	2	1	1	2	1	4	\$ 60,000	AF
Freedom	Repair cracks in wall adj to Rooms 116, 115, 212, & 213	2	1	3	0	1	5	2	4	\$ 27,806	M
Freedom	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 12,014	PS
Freedom	Provide handicapped accessibility								0	\$ 128,728	HA
Freedom	Contingency, miscellaneous & unidentified items								0	\$ 282,613	CN
									TOTAL	\$ 32,109,971	

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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Freemansburg										
Freemansburg	Provide cabling for security cameras	3	3	3	3	3	5	2	8	\$ 55,000	FA
Freemansburg	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 90,000	FA
Freemansburg	Install underdrain in parking area	3	2	3	4	4	3	2	7	\$ 77,238	SS
Freemansburg	Replace UV's and install active dehumidification	2	3	2	4	4	2	2	7	\$ 4,627,500	HV
Freemansburg	Repair and recoat roof (Area A) for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 91,476	R
Freemansburg	Replace fire alarm system	2	3	2	3	3	5	2	7	\$ 275,000	FA
Freemansburg	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 127,050	ID
Freemansburg	Expand front parking area	2	2	2	2	5	3	2	6	\$ 31,407	PA
Freemansburg	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 107,993	PA
Freemansburg	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 263,340	IL
Freemansburg	Replace ceiling tile	2	1	2	1	4	4	2	5	\$ 314,160	CT
Freemansburg	Interior painting of classrooms and corridors	0	2	3	2	3	3	4	5	\$ 110,000	IP
									TOTAL	\$ 6,170,163	

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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	\$ 75,000	FA
Governor Wolf	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 4,676,000	HV
Governor Wolf	Miscellaneous masonry repairs, caulking and water proofing	2	2	3	4	4	3	1	7	\$ 32,715	M
Governor Wolf	Repair and recoat roof for extended warranty (2018)	2	2	4	4	3	2	1	7	\$ 220,559	R
Governor Wolf	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 23,100	ID
Governor Wolf	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 69,878	PA
Governor Wolf	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 334,950	IL
									TOTAL	\$ 5,432,201	

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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	\$ 75,000	FA
Hanover	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 3,436,000	HV
Hanover	Replace boilers and pumps	3	3	3	2	1	5	2	7	\$ 412,500	HV
Hanover	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 23,100	ID
Hanover	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 57,603	PA
Hanover	Main office carpeting	3	2	2	1	3	3	2	6	\$ 14,400	UN
Hanover	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 219,450	IL
Hanover	Interior painting	0	2	3	2	4	3	0	5	\$ 61,000	IP
									TOTAL	\$ 4,299,053	

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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	\$ 29,425	PA
Lafayette	Install outfield fence	2	2	2	1	1	2	1	4	\$ 38,500	L
Lafayette	Demolition & site work completed in 2002								0	\$ -	
									TOTAL	\$ 67,925	

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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Liberty Class										
Liberty Class	Replace boilers and pumps	3	3	3	2	1	5	2	7	\$ 412,500	HV
Liberty Class	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 120,698	R
Liberty Class	Tennis court repairs / resurfacing	3	3	3	2	1	5	1	7	\$ 34,000	AF
Liberty Class	Recaulk all exterior masonry joints & windows	2	2	2	3	3	4	3	6	\$ 60,000	M
Liberty Class	Capital Improvements completed in 2008								0	\$ -	
									TOTAL	\$ 627,198	

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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	\$ 103,950	D
Liberty Com	Repair / replace concrete sidewalks	3	2	3	2	3	4	2	7	\$ 91,604	CO
Liberty Com	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 350,000	ID
Liberty Com	Resurface bus loop, teacher's lot and miscellaneous paving	2	2	3	2	4	5	2	6	\$ 231,000	PA
Liberty Com	Repairs to walkway bridge at Classroom Ctr.	2	2	3	2	3	4	2	6	\$ 150,150	M
Liberty Com	Renovated in 2008								0	\$ -	
									TOTAL	\$ 926,704	

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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Liberty Lab										
Liberty Lab	Replace all HVAC equipment	2	2	3	3	3	5	2	6	\$ 5,300,000	HV
Liberty Lab	Replace all HVAC controls	2	2	3	3	3	5	2	6	\$ 1,000,000	HV
Liberty Lab	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 32,715	M
Liberty Lab	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 348,125	IL
Liberty Lab	RENOVATION Completed in 1998	0	0	0	0	0	0	0	0	\$ -	
									TOTAL	\$ 6,680,840	

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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	\$ 90,000	FA
Lincoln	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 335,000	R
Lincoln	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 32,715	M
Lincoln	Repair/replace front bus loop sidewalks	2	2	2	3	3	4	3	6	\$ 75,000	CO
Lincoln	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 40,549	PA
Lincoln	Seal masonry and replace select glazed block	2	2	2	2	4	2	1	5	\$ 52,345	M
Lincoln	Remove oil tank	3	2	2	1	2	3	2	5	\$ 40,000	FTK
Lincoln	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 247,328	IL
Lincoln	Interior painting	0	2	3	2	4	3	0	5	\$ 108,400	IP
Lincoln	NEW BUILDING Completed in 2000	0	0	0	0	0	0	0	0	\$ -	
									TOTAL	\$ 1,021,337	

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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	\$ 30,000	FA
Maintenance	Add access control	3	3	3	3	3	3	3	8	\$ 15,000	FA
Maintenance	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 88,935	R
Maintenance	Install fire alarm system/smoke detectors	3	1	3	3	3	4	1	6	\$ 45,802	FA
Maintenance	Replace gas pump and fuel monitoring system	3	1	3	3	3	4	1	6	\$ 50,000	FTK
Maintenance	Remove & replace concrete curb & sidewalk	3	1	3	2	3	4	1	6	\$ 42,909	CO
Maintenance	Reconstruct bituminous paving at rear	2	1	4	0	4	4	3	5	\$ 73,558	PA
Maintenance	Replace lighting (energy)	2	1	2	1	4	4	2	5	\$ 96,000	IL
Maintenance	Install emergency generator, lighting and exit signs	2	1	3	0	0	5	3	4	\$ 231,000	ES
Maintenance	Perform property survey & set corner pins	0	0	5	0	0	5	0	3	\$ 6,008	PS
Maintenance	Contingency, miscellaneous & unidentified items								0	\$ 34,328	CN
									TOTAL	\$ 713,540	

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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	\$ 110,800	FA
Marvine	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 32,715	M
Marvine	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 66,066	PA
Marvine	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 253,740	IL
Marvine	Interior painting	0	2	3	2	4	3	0	5	\$ 96,000	IP
Marvine	NEW BUILDING Completed in 2001	0	0	0	0	0	0	0	0	\$ -	
									TOTAL	\$ 559,321	

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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	\$ 75,000	FA
Miller Heights	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 4,967,000	HV
Miller Heights	Repair chimney and miscellaneous masonry repairs and caulking classroom	2	2	3	4	4	3	1	7	\$ 45,802	M
Miller Heights	Repair and recoat roof for extended warranty (2019) at addition	2	2	4	4	3	2	1	7	\$ 49,295	R
Miller Heights	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 57,750	ID
Miller Heights	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 82,583	PA
Miller Heights	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 358,050	IL
Miller Heights	Interior painting	0	2	3	2	4	3	0	5	\$ 102,000	IP
									TOTAL	\$ 5,737,480	

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

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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Northeast										
Northeast	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 82,583	PA
Northeast	Caulk and seal all exterior masonry	2	2	2	2	5	3	2	6	\$ 173,250	M
Northeast	Interior painting	0	2	3	2	4	3	0	5	\$ 374,000	IP
Northeast	New Building complete 2005	0	0	0	0	0	0	0	0	\$ -	
									TOTAL	\$ 629,833	

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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Spring Garden										
Spring Garden	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 111,000	FA
Spring Garden	Remove and replace VCT in corridor	3	3	3	2	3	5	2	7	\$ 130,862	FT
Spring Garden	Reconstruct miscellaneous concrete work at entrances	3	3	3	2	3	5	1	7	\$ 39,259	CO
Spring Garden	Remove and replace VCT in gym	3	3	3	3	1	3	2	7	\$ 98,146	FT
Spring Garden	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 74,705	R
Spring Garden	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 80,850	ID
Spring Garden	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 102,982	PA
Spring Garden	Install stage light dimming system	1	1	2	2	1	1	2	3	\$ 102,982	SC
									TOTAL	\$ 740,786	

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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	Stad-Mem Gym										
Stad-Mem Gym	Replace domestic hot water system at field house	3	3	3	2	1	5	2	7	\$ 198,000	P
Stad-Mem Gym	STADIUM-Repair concrete walls around stadium	2	2	4	2	3	5	2	6	\$ 523,446	AF
Stad-Mem Gym	Replace roof on wrestling room	2	2	3	3	3	4	3	6	\$ 173,250	R
Stad-Mem Gym	Replace stadium ADA lift	2	2	4	2	3	5	2	6	\$ 55,000	UN
Stad-Mem Gym	MEM GYM-Repaint exterior masonry	2	1	3	2	3	5	2	5	\$ 70,056	M
Stad-Mem Gym	Provide handicapped accessibility at Stadium (additional - phase 2)								0	\$ 429,090	HA
Stad-Mem Gym	Contingency, miscellaneous & unidentified items								0	\$ 293,432	CN
									TOTAL	\$ 1,742,274	

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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
	T. Jefferson										
T. Jefferson	Interior and exterior security camera upgradess	3	3	3	3	3	3	3	8	\$ 75,000	FA
T. Jefferson	Replace windows	2	3	3	3	3	5	3	7	\$ 162,195	WR
T. Jefferson	Repair/replace exterior masonry panels	3	2	4	2	3	5	3	7	\$ 302,407	M
T. Jefferson	Replace multi-zone HVAC units	2	4	3	3	2	3	2	7	\$ 3,696,000	HV
T. Jefferson	Install additional exterior hand rails	4	2	3	2	1	5	3	7	\$ 32,692	UN
T. Jefferson	Repair asphalt edging at playground embankment	3	2	3	2	3	4	3	7	\$ 46,200	PA
T. Jefferson	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 57,750	ID
T. Jefferson	Replace spalled brick	2	1	3	4	3	5	3	6	\$ 42,909	M
T. Jefferson	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 54,064	ES
T. Jefferson	Re-seed lawn areas and landscape	2	2	3	2	2	5	3	6	\$ 34,328	L
T. Jefferson	Repair cracks in exterior brick masonry	2	1	3	2	3	5	3	6	\$ 25,230	M
T. Jefferson	Improve exterior lighting	3	2	4	0	0	5	2	6	\$ 34,650	EL
T. Jefferson	Replace plumbing fixtures and renovate toilets	3	2	4	0	0	5	2	6	\$ 231,000	P
T. Jefferson	Renovate Kitchen	3	2	4	0	0	5	2	6	\$ 231,000	UN
T. Jefferson	Renovate multi-purpose room	3	2	4	0	0	5	2	6	\$ 288,750	UN
T. Jefferson	Replace exterior caulking	2	1	3	2	3	5	3	6	\$ 27,119	CA
T. Jefferson	Replace exterior doors	2	2	3	0	1	5	3	5	\$ 99,206	ED
T. Jefferson	Replace chalk & tack boards	2	2	1	2	1	5	1	5	\$ 45,141	UN
T. Jefferson	Resurface bituminous paving	2	1	4	0	2	1	4	5	\$ 51,975	PA
T. Jefferson	Provide new window shades, blinds, etc.	2	2	2	0	0	5	3	4	\$ 27,463	WS
T. Jefferson	Provide stage dimming system	2	1	2	1	1	3	2	4	\$ 60,060	IL
T. Jefferson	Perform property survey & set corner pins	0	0	4	0	0	5	1	2	\$ 12,702	PS
T. Jefferson	Provide handicapped accessibility, including elevator								0	\$ 274,963	HA
T. Jefferson	Contingency, miscellaneous & unidentified items								0	\$ 86,676	CN
									TOTAL	\$ 5,999,477	

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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	\$ 176,663	UN
Transportation Fac.	Install fire alarm system	2	2	3	2	2	4	2	6	\$ 26,172	FA
Transportation Fac.	Resurface parking lots	2	2	3	2	2	4	2	6	\$ 369,600	PA
Transportation Fac.	Install site drainage southeast corner of bus lot	2	2	3	2	2	4	2	6	\$ 80,000	SS
Transportation Fac.	Repair asphalt driveway to depot	2	2	3	2	2	4	2	6	\$ 200,000	PA
Transportation Fac.	Replace diesel pumps and fuel monitoring system	2	2	3	2	2	4	2	6	\$ 50,000	FTK
Transportation Fac.	Replace roof, out of warranty	2	2	3	2	1	4	1	5	\$ 319,251	R
Transportation Fac.	Install Metasys Controls on two RTU's	2	2	2	2	2	3	2	5	\$ 73,558	HV
									TOTAL	\$ 1,295,245	

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	William Penn										
William Penn	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
William Penn	Replace exhaust fan in health suite	3	2	4	3	3	5	2	7	\$ 32,692	HV
William Penn	Replace playground fence fabric	4	3	3	2	2	3	2	7	\$ 73,558	UN
William Penn	Improve stage lighting	3	3	4	2	2	5	2	7	\$ 65,385	IL
William Penn	Repair cracks & install control joints in ext. masonry	3	3	3	2	3	5	2	7	\$ 68,483	M
William Penn	Repair/replace exterior masonry panels	3	2	4	2	3	5	3	7	\$ 294,234	M
William Penn	Replace multi-zone HVAC units	2	4	3	3	2	3	2	7	\$ 3,696,000	HV
William Penn	Replace ext. doors	3	3	4	0	2	5	2	7	\$ 99,206	ED
William Penn	Provide sound attenuation adjacent to cafeteria	3	3	4	0	1	5	2	6	\$ 19,616	UN
William Penn	Re-coat existing roof	2	2	3	3	3	4	3	6	\$ 170,121	R
William Penn	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 57,750	ID
William Penn	Replace window units	2	2	3	2	4	5	2	6	\$ 162,195	WR
William Penn	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 54,064	ES
William Penn	Replace plumbing and renovate toilets	2	3	2	2	1	5	3	6	\$ 231,000	P
William Penn	Renovate Kitchen	2	3	2	2	1	5	3	6	\$ 231,000	UN
William Penn	Renovate multi-purpose room	2	3	2	2	1	5	3	6	\$ 288,750	UN
William Penn	Resurface paving	2	3	2	2	1	5	3	6	\$ 207,900	PA
William Penn	Provide shades or blinds at east & west windows	2	3	4	0	0	5	3	6	\$ 18,879	WS
William Penn	Replace exterior caulking	2	1	3	2	3	5	3	6	\$ 27,121	CA
William Penn	Replace or repair spalled brick in ext. masonry (15%)	2	1	3	2	3	5	2	5	\$ 72,089	M
William Penn	Improve exterior lighting	3	2	3	0	0	5	2	5	\$ 32,692	EL
William Penn	Replace concrete walks	2	2	2	2	0	5	2	5	\$ 45,141	CO
William Penn	Replace chalk and tack boards with whiteboards	2	2	1	2	1	5	1	5	\$ 45,141	UN
William Penn	Regrade and landscape areas	2	2	2	0	2	4	2	5	\$ 18,022	L
William Penn	Replace water coolers	2	2	2	0	1	5	2	4	\$ 18,022	P
William Penn	Provide new window shades, blinds, etc.	2	2	2	0	0	5	3	4	\$ 27,634	WS
William Penn	Provide stage dimming system	2	1	2	1	1	3	2	4	\$ 60,060	IL
William Penn	Replace brown colored chalkboard with whiteboards	1	1	2	0	0	5	2	3	\$ 27,119	UN
William Penn	Perform property survey & set corner pins	0	0	4	0	0	5	1	2	\$ 12,702	PS
William Penn	Contingency, miscellaneous & unidentified items								0	\$ 83,072	CN
William Penn	Provide handicapped accessibility, including elevator								0	\$ 274,275	HA
									TOTAL	\$6,588,922	
									GRAND TOTAL	\$126,981,260	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY SELECTED CATEGORIES

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November 3, 2021

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	\$ 186,000	AF
East Hills	Replace existing bleachers	3	3	3	2	1	5	2	7	\$ 107,306	AF
East Hills	Upgrade athletic fields including track repairs	2	3	2	2	3	4	1	6	\$ 750,750	AF
Freedom	Tennis court repairs / resurfacing	3	3	3	2	1	5	1	7	\$ 80,000	AF
Freedom	Renovate pool locker rooms	2	2	4	2	2	5	2	6	\$ 441,351	AF
Freedom	Add field house building at turf field	2	2	2	1	1	2	1	4	\$ 216,000	AF
Freedom	Add additional bleachers at turf field	2	2	2	1	1	2	1	4	\$ 60,000	AF
Liberty Class	Tennis court repairs / resurfacing	3	3	3	2	1	5	1	7	\$ 34,000	AF
Stad-Mem Gym	STADIUM-Repair concrete walls around stadium	2	2	4	2	3	5	2	6	\$ 523,446	AF
									TOTAL	\$ 2,398,853	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Buchanan	Replace sidewalk and curbs along Catasaquua Road	3	2	2	3	4	3	2	7	\$ 23,555	CO
Calypso	Replace sidewalk and curbs	3	2	3	3	4	3	2	7	\$ 51,491	CO
East Hills	Remove & replace concrete sidewalk	2	2	2	2	3	5	1	6	\$ 84,102	CO
East Hills	Remove & replace concrete curb (linear & radius)	2	2	2	2	3	5	1	6	\$ 51,491	CO
Education Ctr	Remove & replace concrete sidewalk & flatwork	2	2	2	2	3	5	1	6	\$ 80,097	CO
Education Ctr	Regrade and replace sidewalk at N.E. side of building	2	2	2	2	3	5	1	6	\$ 45,770	CO
Freedom	Remove & replace concrete sidewalk	2	2	3	2	3	5	1	6	\$ 34,328	CO
Freedom	Remove & replace concrete flatwork	2	2	3	2	3	5	1	6	\$ 77,238	CO
Liberty Com	Repair / replace concrete sidewalks	3	2	3	2	3	4	2	7	\$ 91,604	CO
Lincoln	Repair/replace front bus loop sidewalks	2	2	2	3	3	4	3	6	\$ 75,000	CO
Maintenance	Remove & replace concrete curb & sidewalk	3	1	3	2	3	4	1	6	\$ 42,909	CO
Spring Garden	Reconstruct miscellaneous concrete work at entrances	3	3	3	2	3	5	1	7	\$ 39,259	CO
William Penn	Replace concrete walks	2	2	2	2	0	5	2	5	\$ 45,141	CO
									TOTAL	\$ 741,983	

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November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
East Hills	Repair corridor quarry tile in isolated areas	3	3	3	1	1	5	2	6	\$ 27,806	FT
Education Ctr	Replace carpet	2	3	4	1	1	4	2	6	\$ 65,385	FC
Fountain Hill	Replace floor carpeting in various areas	3	2	3	2	1	4	3	6	\$ 189,749	FC
Spring Garden	Remove and replace VCT in corridor	3	3	3	2	3	5	2	7	\$ 130,862	FT
Spring Garden	Remove and replace VCT in gym	3	3	3	3	1	3	2	7	\$ 98,146	FT
									TOTAL	\$ 511,948	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
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November 3, 2021

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	\$ 46,200	PA
Calypso	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 40,425	PA
Clearview	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 63,525	PA
Donegan	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 63,525	PA
East Hills	Seal paved areas gymnasium lot and rear drive	2	2	2	2	5	3	2	6	\$ 69,300	PA
Farmersville	Paving repairs and seal coating	2	2	2	2	5	3	2	6	\$ 259,875	PA
Fountain Hill	Overlay bituminous paving	2	2	2	2	5	3	2	6	\$ 98,175	PA
Freedom	Overlay bituminous paved areas at east and west lot	2	2	2	2	5	3	2	6	\$ 415,800	PA
Freemansburg	Expand front parking area	2	2	2	2	5	3	2	6	\$ 31,407	PA
Freemansburg	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 107,993	PA
Governor Wolf	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 69,878	PA
Hanover	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 57,603	PA
Lafayette	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 29,425	PA
Liberty Com	Resurface bus loop, teacher's lot and miscellaneous paving	2	2	3	2	4	5	2	6	\$ 231,000	PA
Lincoln	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 40,549	PA
Maintenance	Reconstruct bituminous paving at rear	2	1	4	0	4	4	3	5	\$ 73,558	PA
Marvine	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 66,066	PA
Miller Heights	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 82,583	PA
Northeast	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 82,583	PA
SPARK (Pre-K)	Resurface/repair asphalt lots	3	2	3	2	4	5	2	7	\$ 235,551	PA
Spring Garden	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 102,982	PA
T. Jefferson	Repair asphalt edging at playground embankment	3	2	3	2	3	4	3	7	\$ 46,200	PA
T. Jefferson	Resurface bituminous paving	2	1	4	0	2	1	4	5	\$ 51,975	PA
Transportation Fac.	Resurface parking lots	2	2	3	2	2	4	2	6	\$ 369,600	PA
Transportation Fac.	Repair asphalt driveway to depot	2	2	3	2	2	4	2	6	\$ 200,000	PA
William Penn	Resurface paving	2	3	2	2	1	5	3	6	\$ 207,900	PA
									TOTAL	\$ 3,143,676	
									GRAND TOTAL	\$ 6,796,459	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS

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

November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Freedom	Replace roof on science wing	5	4	4	3	3	4	3	10	\$ 785,400	R
									TOTAL	\$ 785,400	
Asa Packer	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 60,000	FA
Buchanan	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 90,000	FA
Calypso	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
Clearview	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
Donegan	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 120,000	FA
Farmersville	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 90,000	FA
Farmersville	Replace clock system	3	3	3	3	3	3	3	8	\$ 60,000	UN
Fountain Hill	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 135,000	FA
Freedom	Repair and recoat roof (all areas) for extended warranty (2019)	2	3	4	4	3	4	4	8	\$ 1,908,400	R
Freemansburg	Provide cabling for security cameras	3	3	3	3	3	5	2	8	\$ 55,000	FA
Freemansburg	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 90,000	FA
Governor Wolf	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
Hanover	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
Lincoln	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 90,000	FA
Maintenance	Interior and exterior camera upgrades	3	3	3	3	3	3	3	8	\$ 30,000	FA
Maintenance	Add access control	3	3	3	3	3	3	3	8	\$ 15,000	FA
Marvine	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 110,800	FA
Miller Heights	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
Spring Garden	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 111,000	FA
T. Jefferson	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
William Penn	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
									TOTAL	\$ 3,490,200	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS

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

November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Buchanan	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 3,727,200	HV
Buchanan	Repair and recoat roof for extended warranty (2018)	2	2	4	4	3	2	1	7	\$ 180,919	R
Calypso	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 3,828,000	HV
Calypso	Replace boilers and pumps	3	3	3	2	1	5	2	7	\$ 412,500	HV
Calypso	Regrade and provide storm water catch basin at playground southwest corner	3	2	3	3	3	2	2	7	\$ 32,715	SS
Clearview	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 299,330	R
East Hills	Replace emergency generator and transfer switch	3	2	3	3	3	5	2	7	\$ 369,600	ES
East Hills	Install digital control system for HVAC (partially completed in 2017)	2	3	3	3	3	5	2	7	\$ 952,875	HV
East Hills	Replace auditorium lighting	3	2	3	3	3	5	2	7	\$ 250,000	IL
East Hills	Replace HVAC unit in Faculty Planning and Waiting Rooms	2	3	4	2	2	5	3	7	\$ 161,700	HV
East Hills	Install air handler for room 110 Special Ed./Reading	2	3	3	3	2	5	1	7	\$ 173,250	HV
East Hills	Replace exterior lighting	3	3	3	2	0	5	2	7	\$ 86,625	EL
East Hills	Replace air handlers in original building (partially completed in 2017)	2	3	3	3	1	5	2	7	\$ 4,042,500	HV
East Hills	Replace cafeteria make-up air unit	2	3	3	3	1	5	2	7	\$ 190,575	HV
East Hills	Replace grease traps and sanitary pump	2	3	3	3	1	5	2	7	\$ 101,192	P
Education Ctr	Replace windows in 1971 addition	2	3	4	2	4	5	2	7	\$ 68,654	WR
Education Ctr	Lobby modifications & elevator	3	3	3	1	2	5	1	7	\$ 952,875	HA
Education Ctr	Point exterior masonry and repairs	1	2	4	4	3	5	2	7	\$ 300,854	M
Farmersville	Regrade & provide storm drainage at right of main entrance	3	2	3	3	3	2	2	7	\$ 26,172	SS
Fountain Hill	Renovate toilet rooms and replace piping	3	3	4	2	2	5	2	7	\$ 588,877	TR
Fountain Hill	Replace exterior doors	3	2	4	2	2	5	2	7	\$ 188,800	ED
Fountain Hill	Replace and upgrade HVAC System	2	3	4	3	1	5	1	7	\$ 7,161,000	HV
Fountain Hill	Replace steam boilers	3	3	3	2	1	5	2	7	\$ 693,000	HV
Fountain Hill	Provide stage light dimming system	2	3	4	2	2	5	2	7	\$ 127,050	IL
Fountain Hill	Improve exhaust in bathrooms	2	3	4	2	2	5	2	7	\$ 92,400	TR
Fountain Hill	Replace fire alarm system	2	3	2	3	3	5	2	7	\$ 236,775	FA
Freedom	Upgrade fire alarm system panel	2	4	3	2	3	5	2	7	\$ 110,880	FA
Freedom	Replace auditorium lighting (seperate from auditorium renovations)	3	2	3	3	3	5	2	7	\$ 512,000	IL
Freedom	Replace interior doors in central lobby (8 locations)	4	2	3	2	1	5	1	7	\$ 183,206	D
Freedom	Repair/replace student lockers	3	3	3	2	1	5	1	7	\$ 326,928	SL
Freedom	Provide redundant UPS system for Network Center	2	3	2	3	3	4	2	7	\$ 344,093	ES
Freemansburg	Install underdrain in parking area	3	2	3	4	4	3	2	7	\$ 77,238	SS
Freemansburg	Replace UV's and install active dehumidification	2	3	2	4	4	2	2	7	\$ 4,627,500	HV
Freemansburg	Replace fire alarm system	2	3	2	3	3	5	2	7	\$ 275,000	FA
Freemansburg	Repair and recoat roof (Area A) for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 91,476	R
Governor Wolf	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 4,676,000	HV
Governor Wolf	Miscellaneous masonry repairs, caulking and water proofing	2	2	3	4	4	3	1	7	\$ 32,715	M
Governor Wolf	Repair and recoat roof for extended warranty (2018)	2	2	4	4	3	2	1	7	\$ 220,559	R
Hanover	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 3,436,000	HV
Hanover	Replace boilers and pumps	3	3	3	2	1	5	2	7	\$ 412,500	HV
Liberty Class	Replace boilers and pumps	3	3	3	2	1	5	2	7	\$ 412,500	HV
Liberty Class	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 120,698	R
Liberty Com	Crowd control doors for separation of Student Activity area	3	3	3	3	3	3	2	7	\$ 103,950	D
Lincoln	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 335,000	R
Maintenance	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 88,935	R
Miller Heights	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 4,967,000	HV
Miller Heights	Repair chimney and miscellaneous masonry repairs and caulking classroom	2	2	3	4	4	3	1	7	\$ 45,802	M

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

November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Miller Heights	Repair and recoat roof for extended warranty (2019) at addition	2	2	4	4	3	2	1	7	\$ 49,295	R
Spring Garden	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 74,705	R
Stad-Mem Gym	Replace domestic hot water system at field house	3	3	3	2	1	5	2	7	\$ 198,000	P
T. Jefferson	Replace multi-zone HVAC units	2	4	3	3	2	3	2	7	\$ 3,696,000	HV
T. Jefferson	Repair/replace exterior masonry panels	3	2	4	2	3	5	3	7	\$ 302,407	M
T. Jefferson	Replace windows	2	3	3	3	3	5	3	7	\$ 162,195	WR
T. Jefferson	Install additional exterior hand rails	4	2	3	2	1	5	3	7	\$ 32,692	UN
Transportation Fac.	Replace fencing around entire area	3	2	4	2	3	4	2	7	\$ 176,663	UN
William Penn	Replace exhaust fan in health suite	3	2	4	3	3	5	2	7	\$ 32,692	HV
William Penn	Improve stage lighting	3	3	4	2	2	5	2	7	\$ 65,385	IL
William Penn	Replace playground fence fabric	4	3	3	2	2	3	2	7	\$ 73,558	UN
William Penn	Repair cracks & install control joints in ext. masonry	3	3	3	2	3	5	2	7	\$ 68,483	M
William Penn	Replace multi-zone HVAC units	2	4	3	3	2	3	2	7	\$ 3,696,000	HV
William Penn	Repair/replace exterior masonry panels	3	2	4	2	3	5	3	7	\$ 294,234	M
William Penn	Replace ext. doors	3	3	4	0	2	5	2	7	\$ 99,206	ED
									TOTAL	\$ 55,666,933	

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RECOMMENDATIONS

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November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Asa Packer	Provide additional outlets in M.P. Room	2	4	3	1	2	4	1	6	\$ 26,172	ES
Asa Packer	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 51,975	ID
Asa Packer	Regrade play area at east end for drainage	2	2	4	2	2	5	1	6	\$ 42,909	L
Asa Packer	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 173,250	ES
Calypso	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 173,250	ID
Calypso	Seal all masonry walls and caulking	2	1	1	5	4	3	4	6	\$ 30,894	M
Donegan	Repair and re-coat roof for extended warranty (2021)	2	2	2	3	4	2	1	6	\$ 226,380	R
East Hills	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 231,000	ID
East Hills	Provide hot water in Home Economics area	3	3	4	0	1	5	0	6	\$ 51,975	P
East Hills	Renovations to 6th & 7th grade restrooms	2	2	2	3	3	5	2	6	\$ 369,600	TR
East Hills	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 669,384	ES
Education Ctr	Upgrade ATC controls to Metasys and replace HVAC	2	2	4	3	2	3	2	6	\$ 2,310,000	HV
Education Ctr	Replace windows in original building	1	3	3	2	3	5	2	6	\$ 274,618	WR
Farmersville	Install secure entrance vestibule at main building entrance and daycare	4	2	3	2	0	4	2	6	\$ 49,500	ID
Farmersville	Seal all split face block and recaulk exterior and masonry repairs to south classroom wing	2	1	1	5	4	3	4	6	\$ 161,700	M
Fountain Hill	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 69,300	ID
Fountain Hill	Upgrade electrical distribution system and replace lighting	2	3	3	3	1	4	1	6	\$ 831,600	ES
Fountain Hill	Provide water coolers	2	2	4	2	2	5	2	6	\$ 34,328	UN
Fountain Hill	Repair window seals/replace and caulk all joints	2	3	3	2	1	5	2	6	\$ 128,728	WR
Fountain Hill	Provide additional outlets in classrooms	2	3	2	2	1	5	3	6	\$ 120,145	ES
Fountain Hill	Renovate Cafeteria and Kitchen	2	3	2	2	1	5	3	6	\$ 981,750	UN
Fountain Hill	Renovate Gymnasium and Stage	2	3	2	2	1	5	3	6	\$ 519,750	UN
Fountain Hill	Landscape & fence steep embankment	2	2	3	2	2	5	1	6	\$ 42,909	L
Freedom	Replace all HVAC equipment and controls in original building	2	2	3	3	3	5	2	6	\$ 4,620,000	HV
Freedom	Replace chillers, pumps and piping in original building mechanical room	2	2	3	3	3	5	2	6	\$ 2,002,000	HV
Freedom	Install roof coating on Siplast roof areas	2	2	3	3	3	4	3	6	\$ 654,308	R
Freedom	Replace roof on wrestling room	2	2	3	3	3	4	3	6	\$ 121,275	R
Freedom	Replace air handlers/U.V.'s in original building	2	3	3	2	1	5	2	6	\$ 12,993,750	HV
Freedom	Replace ceiling tiles	2	2	4	2	1	5	2	6	\$ 622,545	CT
Freedom	Repair and repoint masonry (15%) (exterior brick walls)	2	1	4	2	3	5	2	6	\$ 100,064	M
Freedom	Renovate auditorium	2	2	3	2	2	5	1	6	\$ 2,440,000	UN
Freedom	Repair or replace water coolers	2	2	3	2	1	5	2	6	\$ 42,909	P
Freedom	Storm drainage system upgrades in field areas	3	1	2	2	3	5	1	6	\$ 274,810	SS
Freemansburg	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 127,050	ID
Governor Wolf	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 23,100	ID
Hanover	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 23,100	ID
Hanover	Main office carpeting	3	2	2	1	3	3	2	6	\$ 14,400	UN
Liberty Class	Recaulk all exterior masonry joints & windows	2	2	2	3	3	4	3	6	\$ 60,000	M
Liberty Com	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 350,000	ID
Liberty Com	Repairs to walkway bridge at Classroom Ctr.	2	2	3	2	3	4	2	6	\$ 150,150	M
Liberty Lab	Replace all HVAC equipment	2	2	3	3	3	5	2	6	\$ 5,300,000	HV
Liberty Lab	Replace all HVAC controls	2	2	3	3	3	5	2	6	\$ 1,000,000	HV
Liberty Lab	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 32,715	M
Lincoln	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 32,715	M
Maintenance	Install fire alarm system/smoke detectors	3	1	3	3	3	4	1	6	\$ 45,802	FA
Maintenance	Replace gas pump and fuel monitoring system	3	1	3	3	3	4	1	6	\$ 50,000	FTK

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS

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

November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Marvine	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 32,715	M
Miller Heights	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 57,750	ID
Northeast	Caulk and seal all exterior masonry	2	2	2	2	5	3	2	6	\$ 173,250	M
SPARK (Pre-K)	Replace lighting with electronic ballast lights	2	2	2	2	4	5	1	6	\$ 91,993	IL
SPARK (Pre-K)	Replace underground storm water pits and replace with new storm water system. Improve drainage at play areas and building.	2	2	2	3	3	5	0	6	\$ 325,511	SS
Spring Garden	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 80,850	ID
Stad-Mem Gym	Replace roof on wrestling room	2	2	3	3	3	4	3	6	\$ 173,250	R
Stad-Mem Gym	Replace stadium ADA lift	2	2	4	2	3	5	2	6	\$ 55,000	UN
T. Jefferson	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 57,750	ID
T. Jefferson	Replace spalled brick	2	1	3	4	3	5	3	6	\$ 42,909	M
T. Jefferson	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 54,064	ES
T. Jefferson	Re-seed lawn areas and landscape	2	2	3	2	2	5	3	6	\$ 34,328	L
T. Jefferson	Replace exterior caulking	2	1	3	2	3	5	3	6	\$ 27,119	CA
T. Jefferson	Improve exterior lighting	3	2	4	0	0	5	2	6	\$ 34,650	EL
T. Jefferson	Repair cracks in exterior brick masonry	2	1	3	2	3	5	3	6	\$ 25,230	M
T. Jefferson	Replace plumbing fixtures and renovate toilets	3	2	4	0	0	5	2	6	\$ 231,000	P
T. Jefferson	Renovate Kitchen	3	2	4	0	0	5	2	6	\$ 231,000	UN
T. Jefferson	Renovate multi-purpose room	3	2	4	0	0	5	2	6	\$ 288,750	UN
Transportation Fac.	Install fire alarm system	2	2	3	2	2	4	2	6	\$ 26,172	FA
Transportation Fac.	Replace diesel pumps and fuel monitoring system	2	2	3	2	2	4	2	6	\$ 50,000	FTK
Transportation Fac.	Install site drainage southeast corner of bus lot	2	2	3	2	2	4	2	6	\$ 80,000	SS
William Penn	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 57,750	ID
William Penn	Re-coat existing roof	2	2	3	3	3	4	3	6	\$ 170,121	R
William Penn	Provide sound attenuation adjacent to cafeteria	3	3	4	0	1	5	2	6	\$ 19,616	UN
William Penn	Replace window units	2	2	3	2	4	5	2	6	\$ 162,195	WR
William Penn	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 54,064	ES
William Penn	Replace plumbing and renovate toilets	2	3	2	2	1	5	3	6	\$ 231,000	P
William Penn	Renovate Kitchen	2	3	2	2	1	5	3	6	\$ 231,000	UN
William Penn	Renovate multi-purpose room	2	3	2	2	1	5	3	6	\$ 288,750	UN
William Penn	Provide shades or blinds at east & west windows	2	3	4	0	0	5	3	6	\$ 18,879	WS
William Penn	Replace exterior caulking	2	1	3	2	3	5	3	6	\$ 27,121	CA
									TOTAL	\$ 42,085,594	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS

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

November 3, 2021

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	\$ 23,341	IP
Asa Packer	Improve exterior lighting	2	2	3	0	0	5	2	5	\$ 102,960	EL
Broughal	Paint interior of the building	0	2	3	2	4	3	0	5	\$ 460,000	IP
Buchanan	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 233,310	IL
Calypso	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 235,620	IL
Clearview	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 251,909	IL
Clearview	Paint interior of building	0	2	3	2	4	3	0	5	\$ 110,000	IP
Donegan	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 325,192	IL
Donegan	Paint interior of building	0	2	3	2	4	3	0	5	\$ 142,000	IP
Donegan	Replace classroom signage	0	2	3	2	4	3	0	5	\$ 18,750	UN
East Hills	Replace wall covering in Auditorium	3	2	3	0	0	5	2	5	\$ 48,060	IP
East Hills	Replace casework	3	2	3	0	0	5	2	5	\$ 825,825	UN
East Hills	Repoint stone walls at main entry	2	0	3	2	4	5	1	5	\$ 65,221	M
East Hills	Repair auditorium entry limestone columns	2	0	3	2	4	5	1	5	\$ 50,000	M
East Hills	Replace interior lighting (improve energy savings, partially completed in 2017)	2	1	2	1	4	4	2	5	\$ 665,500	IL
East Hills	Renovate stage area, curtains, lighting and replace auditorium seats	2	2	3	0	0	5	3	5	\$ 750,750	SC
East Hills	Interior Painting (Café, gym, hallways & lavs)	0	2	3	2	4	3	0	5	\$ 130,000	IP
Education Ctr	Replace interior doors	1	2	4	1	1	5	1	5	\$ 111,565	ID
Education Ctr	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 164,886	IL
Education Ctr	Improve exterior lighting	2	2	3	0	0	5	2	5	\$ 42,909	EL
Farmersville	Interior painting of corridors	0	2	3	2	4	3	0	5	\$ 35,000	IP
Fountain Hill	Replace ceiling tiles	3	2	3	0	1	5	2	5	\$ 288,750	CT
Fountain Hill	Repair plaster ceiling on 3rd floor	3	2	3	0	1	5	2	5	\$ 57,750	CT
Fountain Hill	Repair stone wall and fencing	3	1	3	0	3	5	1	5	\$ 75,900	M
Fountain Hill	Replace intercom system add additional speakers	2	2	2	2	1	3	2	5	\$ 88,935	IC
Fountain Hill	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 375,573	IL
Fountain Hill	Provide new window shades, blinds, etc.	2	3	2	0	0	5	2	5	\$ 37,245	WS
Freedom	Repoint stone wall	3	1	3	0	4	5	1	5	\$ 34,328	M
Freedom	Upgrade building exhaust (allowance)	2	2	2	2	1	5	2	5	\$ 115,500	HV
Freedom	Provide new window shades, blinds, etc.	2	2	4	0	0	5	2	5	\$ 63,161	WS
Freedom	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 1,304,689	IL
Freemansburg	Replace ceiling tile	2	1	2	1	4	4	2	5	\$ 314,160	CT
Freemansburg	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 263,340	IL
Freemansburg	Interior painting of classrooms and corridors	0	2	3	2	3	3	4	5	\$ 110,000	IP
Governor Wolf	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 334,950	IL
Hanover	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 219,450	IL
Hanover	Interior painting	0	2	3	2	4	3	0	5	\$ 61,000	IP
Liberty Lab	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 348,125	IL
Lincoln	Remove oil tank	3	2	2	1	2	3	2	5	\$ 40,000	FTK
Lincoln	Seal masonry and replace select glazed block	2	2	2	2	4	2	1	5	\$ 52,345	M
Lincoln	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 247,328	IL
Lincoln	Interior painting	0	2	3	2	4	3	0	5	\$ 108,400	IP
Maintenance	Replace lighting (energy)	2	1	2	1	4	4	2	5	\$ 96,000	IL
Marvine	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 253,740	IL
Marvine	Interior painting	0	2	3	2	4	3	0	5	\$ 96,000	IP
Miller Heights	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 358,050	IL

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

November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Miller Heights	Interior painting	0	2	3	2	4	3	0	5	\$ 102,000	IP
Northeast	Interior painting	0	2	3	2	4	3	0	5	\$ 374,000	IP
SPARK (Pre-K)	Plumbing isolation valve & wall hydrant replacement including back flow preventer	2	2	3	2	1	4	2	5	\$ 49,535	P
SPARK (Pre-K)	Replace panelboard for HVAC equipment	2	2	2	2	1	5	1	5	\$ 56,612	ES
SPARK (Pre-K)	Replace boiler, air handler and install ATC controls	2	2	2	2	1	5	1	5	\$ 716,100	HV
SPARK (Pre-K)	Replace fire alarm system	2	2	2	2	1	5	1	5	\$ 63,688	UN
Stad-Mem Gym	MEM GYM-Repaint exterior masonry	2	1	3	2	3	5	2	5	\$ 70,056	M
T. Jefferson	Replace exterior doors	2	2	3	0	1	5	3	5	\$ 99,206	ED
T. Jefferson	Replace chalk & tack boards	2	2	1	2	1	5	1	5	\$ 45,141	UN
Transportation Fac.	Replace roof, out of warranty	2	2	3	2	1	4	1	5	\$ 319,251	R
Transportation Fac.	Install Metasys Controls on two RTU's	2	2	2	2	2	3	2	5	\$ 73,558	HV
William Penn	Replace or repair spalled brick in ext. masonry (15%)	2	1	3	2	3	5	2	5	\$ 72,089	M
William Penn	Improve exterior lighting	3	2	3	0	0	5	2	5	\$ 32,692	EL
William Penn	Replace chalk and tack boards with whiteboards	2	2	1	2	1	5	1	5	\$ 45,141	UN
William Penn	Regrade and landscape areas	2	2	2	0	2	4	2	5	\$ 18,022	L
									TOTAL	\$ 12,274,605	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS

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

November 3, 2021

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	\$ 128,728	UN
East Hills	Replace student lockers	2	2	2	0	0	5	1	4	\$ 304,920	SL
East Hills	Repair floor cracks in Room 204	2	1	3	0	1	5	1	4	\$ 8,067	UN
East Hills	Replace or repair ceiling tiles (partially completed in 2017)	1	2	3	0	0	5	1	4	\$ 381,150	CT
Education Ctr	Provide new window shades, blinds, etc.	2	2	2	0	0	5	2	4	\$ 34,328	WS
Education Ctr	Caulk all masonry joints	1	0	3	2	2	5	1	4	\$ 45,313	M
Fountain Hill	Renovate stage area	2	2	2	0	0	5	2	4	\$ 150,150	SC
Fountain Hill	Re-paint concrete in sheltered play areas	1	2	2	0	0	5	2	4	\$ 15,447	EP
Freedom	Install restrooms at synthetic turf field	2	1	3	1	1	5	1	4	\$ 288,750	TR
Freedom	Install restrooms at field house	2	1	3	1	1	5	1	4	\$ 346,500	TR
Freedom	Add classroom electrical outlets	2	2	3	0	0	5	0	4	\$ 138,600	ES
Freedom	Repair cracks in wall adj to Rooms 116, 115, 212, & 213	2	1	3	0	1	5	2	4	\$ 27,806	M
Lafayette	Install outfield fence	2	2	2	1	1	2	1	4	\$ 38,500	L
Maintenance	Install emergency generator, lighting and exit signs	2	1	3	0	0	5	3	4	\$ 231,000	ES
SPARK (Pre-K)	Replace parking lot lights	1	1	2	2	1	5	1	4	\$ 39,626	EL
T. Jefferson	Provide new window shades, blinds, etc.	2	2	2	0	0	5	3	4	\$ 27,463	WS
T. Jefferson	Provide stage dimming system	2	1	2	1	1	3	2	4	\$ 60,060	IL
William Penn	Replace water coolers	2	2	2	0	1	5	2	4	\$ 18,022	P
William Penn	Provide new window shades, blinds, etc.	2	2	2	0	0	5	3	4	\$ 27,634	WS
William Penn	Provide stage dimming system	2	1	2	1	1	3	2	4	\$ 60,060	IL
									TOTAL	\$ 2,372,125	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS

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

November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Asa Packer	Renovate stage area: curtains & lighting	1	1	2	0	0	5	2	3	\$ 127,050	SC
East Hills	Provide additional sound baffles in Cafeteria	0	2	2	0	0	5	1	3	\$ 34,328	UN
Maintenance	Perform property survey & set corner pins	0	0	5	0	0	5	0	3	\$ 6,008	PS
Spring Garden	Install stage light dimming system	1	1	2	2	1	1	2	3	\$ 102,982	SC
William Penn	Replace brown colored chalkboard with whiteboards	1	1	2	0	0	5	2	3	\$ 27,119	UN
									TOTAL	\$ 297,487	
East Hills	Replace metal fascia panels at kitchen loading area	1	0	2	0	1	5	1	2	\$ 49,040	R
East Hills	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 12,014	PS
East Hills	Repair masonry	0	0	2	0	1	5	1	2	\$ 40,866	M
Fountain Hill	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 12,014	PS
Freedom	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 12,014	PS
T. Jefferson	Perform property survey & set corner pins	0	0	4	0	0	5	1	2	\$ 12,702	PS
William Penn	Perform property survey & set corner pins	0	0	4	0	0	5	1	2	\$ 12,702	PS
									TOTAL	\$ 151,352	
Asa Packer	Contingency, miscellaneous & unidentified items								0	\$ 133,140	CN
Asa Packer	Provide handicapped accessibility								0	\$ 166,144	HA
East Hills	Contingency, miscellaneous & unidentified items								0	\$ 215,592	CN
East Hills	Upgrade handicapped accessibility								0	\$ 85,819	HA
Education Ctr	Contingency, miscellaneous & unidentified items								0	\$ 214,152	CN
Fountain Hill	Contingency, miscellaneous & unidentified items								0	\$ 185,832	CN
Fountain Hill	Handicapped accessibility, including stair lift								0	\$ 173,250	HA
Freedom	Contingency, miscellaneous & unidentified items								0	\$ 282,613	CN
Freedom	Provide handicapped accessibility								0	\$ 128,728	HA
Maintenance	Contingency, miscellaneous & unidentified items								0	\$ 34,328	CN
Stad-Mem Gym	Contingency, miscellaneous & unidentified items								0	\$ 293,432	CN
Stad-Mem Gym	Provide handicapped accessibility at Stadium (additional - phase 2)								0	\$ 429,090	HA
T. Jefferson	Contingency, miscellaneous & unidentified items								0	\$ 86,676	CN
T. Jefferson	Provide handicapped accessibility, including elevator								0	\$ 274,963	HA
William Penn	Contingency, miscellaneous & unidentified items								0	\$ 83,072	CN
William Penn	Provide handicapped accessibility, including elevator								0	\$ 274,275	HA
									TOTAL	\$ 3,061,104	
									GRAND TOTAL	\$ 120,184,801	

Controlling Budget % =
Renovation Cost =

60 %
200 \$/SQ.FT.

November 3, 2021

PROJECT ACCOUNTING BASED ON ESTIMATES - COMPARISON OF RENOVATION TO IMPROVEMENTS

(1) SCHOOL	(2) FLOOR AREA SQ.FT.	(3) RENOVATION @ \$200/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	\$5,300,000	\$1,578,615	30%	\$50,000	\$5,350,000	\$1,628,615	\$1,954,338
Asa Packer	48,400	\$9,680,000	\$1,035,668	11%	\$15,000	\$9,695,000	\$1,050,668	\$1,260,802
Buchanan	33,100	\$6,620,000	\$4,301,185	65%	\$0	\$6,620,000	\$4,301,185	\$7,944,000
Calypso	34,000	\$6,800,000	\$4,879,895	72%	\$0	\$6,800,000	\$4,879,895	\$8,160,000
Clearview	55,000	\$11,000,000	\$799,764	7%	\$0	\$11,000,000	\$799,764	\$959,717
Donegan	71,000	\$14,200,000	\$895,846	6%	\$0	\$14,200,000	\$895,846	\$1,075,015
Farmersville	61,800	\$12,360,000	\$682,247	6%	\$0	\$12,360,000	\$682,247	\$818,696
Fountain Hill	82,000	\$16,400,000	\$13,700,181	84%	\$82,564	\$16,482,564	\$13,782,745	\$19,425,000
Freemansburg	47,500	\$9,500,000	\$6,170,163	65%	\$0	\$9,500,000	\$6,170,163	\$11,400,000
Governor Wolf	48,000	\$9,600,000	\$5,432,201	57%	\$0	\$9,600,000	\$5,432,201	\$6,518,641
Hanover	30,500	\$6,100,000	\$4,299,053	70%	\$0	\$6,100,000	\$4,299,053	\$7,320,000
Lincoln	54,200	\$10,840,000	\$1,021,337	9%	\$0	\$10,840,000	\$1,021,337	\$1,225,604
Marvine	55,400	\$11,080,000	\$559,320	5%	\$0	\$11,080,000	\$559,320	\$671,184
Miller Heights	51,000	\$10,200,000	\$5,737,480	56%	\$0	\$10,200,000	\$5,737,480	\$6,884,976
Spring Garden	66,500	\$13,300,000	\$740,786	6%	\$0	\$13,300,000	\$740,786	\$888,943
Thomas Jefferson	38,500	\$7,700,000	\$5,999,477	78%	\$15,000	\$7,715,000	\$6,014,477	\$9,975,000
William Penn	38,500	\$7,700,000	\$6,588,922	86%	\$15,000	\$7,715,000	\$6,603,922	\$10,290,000
MIDDLE SCHOOLS								
Broughal	186,000	\$37,200,000	\$646,000	2%	\$0	\$37,200,000	\$646,000	\$775,200
East Hills	193,000	\$38,600,000	\$12,408,184	32%	\$126,120	\$38,726,120	\$12,534,304	\$15,041,165
Nitschmann	180,000	\$36,000,000	\$0	0%	\$0	\$0	\$0	\$0
Northeast	187,000	\$37,400,000	\$629,833	2%	\$0	\$37,400,000	\$629,833	\$755,800
HIGH SCHOOLS								
Freedom (New 110,000)	385,000	\$77,000,000	\$32,109,971	42%	\$85,000	\$77,085,000	\$32,194,971	\$45,000,000
Liberty (TOTAL)	483,000	\$96,600,000		0%				
Commons Bldg.	183,500	\$36,700,000	\$926,704	3%	\$0	\$36,700,000	\$926,704	\$1,112,045
Classroom Center	72,500	\$14,500,000	\$627,198	4%	\$0	\$14,500,000	\$627,198	\$752,638
Laboratory Center	76,000	\$15,200,000	\$6,680,840	44%	\$0	\$15,200,000	\$6,680,840	\$8,017,008
Mem. Gym, SA & Fld. Hse.	151,000	\$30,200,000	\$1,742,274	6%	\$40,000	\$30,240,000	\$1,782,274	\$2,138,729
MISC. FACILITIES								
Ed. Center	36,000	\$7,200,000	\$4,711,407	65%	\$104,150	\$7,304,150	\$4,815,557	\$8,764,980
Lafayette	-	\$0	\$67,925			\$0	\$67,925	\$81,510
Maint.	11,800	\$2,360,000	\$713,540	30%	\$1,980	\$2,361,980	\$715,520	\$858,624
Transportation	12,200	\$2,440,000	\$1,295,245	53%	\$0	\$2,440,000	\$1,295,245	\$1,554,294
TOTAL =	2,515,900	\$503,180,000	\$126,981,261		\$534,814	\$467,714,814	\$127,516,075	\$181,623,908

**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 masonry 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
								\$ 2,266,579
								\$ 16,200

Work not included in Master Plan:

Hanover	Install curb & sidewalk AS DIRECTED BY TOWNSHIP IN 1992				\$ 32,500			\$ 32,500
							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	\$ 552	\$ 11,903
Freedom	Concrete sidewalk & curbing.	%	CO	\$ 20,365	\$ 1,374	\$ 21,739	\$ 1,087	\$ 983	\$ 22,722
Miller Heights	Concrete sidewalk & curbing.	%	CO	\$ 10,964	\$ 1,200	\$ 12,164	\$ 608	\$ 572	\$ 12,736
Miscellaneous	Concrete work.	%	CO	\$ 17,795		\$ 17,795	\$ 890	\$ 869	\$ 18,664
Nitschmann	Concrete work.	%	CO	\$ 24,075		\$ 24,075	\$ 1,204	\$ 949	\$ 25,024
Freedom	Swimming pool surge tank.		10	\$ 37,419	\$ 1,627	\$ 39,046	\$ 1,952	\$ 1,952	\$ 40,998
Stad-Mem Gym	Replace roofs.		9	\$ 132,891	\$ 7,429	\$ 140,320	\$ 7,016	\$ 6,981	\$ 147,301
Stad-Mem Gym	Replace windows & repair masonry.		9	\$ 377,455	\$ 8,404	\$ 385,859	\$ 19,293	\$ 19,137	\$ 404,996
Freedom	Paving reconstruction		PA	\$ 471,850	\$ 86,400	\$ 558,250	\$ 27,913	\$ 23,440	\$ 581,690
Wm. Penn	Concrete work.	%	CO	\$ 23,491		\$ 23,491	\$ 1,175	\$ 1,265	\$ 24,756
Wm. Penn	Replace carpeting.		10	\$ 64,800		\$ 64,800	\$ 3,240	\$ 3,024	\$ 67,824
Thos. Jefferson	Replace carpeting.		10	\$ 66,900		\$ 66,900	\$ 3,345	\$ 3,203	\$ 70,103
Northeast	Replace oil tank.		9	\$ 76,725		\$ 76,725	\$ 3,836	\$ 3,738	\$ 80,463
Maintenance	Replace oil tank.		9	\$ 44,995		\$ 44,995	\$ 2,250	\$ 2,112	\$ 47,107
TOTAL				\$ 1,381,076	\$ 106,434	\$ 1,487,510	\$ 74,376	\$ 68,777	\$ 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 S

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 YEAF	\$ 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 storr drain repairs, Northeast masonry, etc.				
		TOTAL	\$ 3,858,905.00	\$ 143,668.45		
		TOTAL CONSTRUCTION FUNDS ENCUMBERED	\$ 4,002,573.45			

\$12,279,000

BASD COMPLETED CAPITAL IMPROVEMENTS 1998 BOND

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
FEES & CONTINGENCY \$	36,944.25	\$	36,881.25
GRAND TOTAL \$	564,719.25	\$	563,756.25

PROJECTS COMPLETED IN 2004**November 1, 2004**

School	Item	Contract	Change Order	Final Cost	Comments
Freedom	Replace HVAC in Student Service Area				
Asa Packer Elementary	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
FEES & CONTINGENCY	\$ 113,226.54	\$ 115,899.14
GRAND TOTAL	\$ 1,730,748.54	\$ 1,771,601.18

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 Calypso	Office Area HVAC Replacement Fuel Oil Line Repairs	\$ 128,000.00	\$ (12,100.00)	\$ 115,900.00	
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
FEEES	\$	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	Gym Roof Replacement Roof Replacement at Multi-Purpose Room	\$ 230,100	-\$12,100	\$ 218,000	
Liberty High School	Roof Repairs and coating on Auditorium roof				
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	

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	

**BETHLEHEM AREA SCHOOL DISTRICT
CAPITAL IMPROVEMENT PLAN**

SUMMARY OF MAJOR RENOVATIONS AND NEW CONSTRUCTION

November 3, 2021

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	-----

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY PRIORITY WITHOUT SELECTED SCHOOLS
(NITSCHMANN)

mp2000b

November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Freedom	Replace roof on science wing	5	4	4	3	3	4	3	10	\$ 785,400	R
									TOTAL	\$ 785,400	
Asa Packer	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 60,000	FA
Buchanan	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 90,000	FA
Calypso	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
Clearview	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
Donegan	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 120,000	FA
Farmersville	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 90,000	FA
Farmersville	Replace clock system	3	3	3	3	3	3	3	8	\$ 60,000	UN
Fountain Hill	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 135,000	FA
Freedom	Repair and recoat roof (all areas) for extended warranty (2019)	2	3	4	4	3	4	4	8	\$ 1,908,400	R
Freemansburg	Provide cabling for security cameras	3	3	3	3	3	5	2	8	\$ 55,000	FA
Freemansburg	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 90,000	FA
Governor Wolf	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
Hanover	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
Lincoln	Internal and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 90,000	FA
Maintenance	Interior and exterior camera upgrades	3	3	3	3	3	3	3	8	\$ 30,000	FA
Maintenance	Add access control	3	3	3	3	3	3	3	8	\$ 15,000	FA
Marvine	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 110,800	FA
Miller Heights	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
Spring Garden	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 111,000	FA
T. Jefferson	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
William Penn	Interior and exterior security camera upgrades	3	3	3	3	3	3	3	8	\$ 75,000	FA
									TOTAL	\$ 3,490,200	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY PRIORITY WITHOUT SELECTED SCHOOLS
(NITSCHMANN)

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November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Buchanan	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 3,727,200	HV
Buchanan	Replace sidewalk and curbs along Catasauqua Road	3	2	2	3	4	3	2	7	\$ 23,555	CO
Buchanan	Repair and recoat roof for extended warranty (2018)	2	2	4	4	3	2	1	7	\$ 180,919	R
Calypso	Replace sidewalk and curbs	3	2	3	3	4	3	2	7	\$ 51,491	CO
Calypso	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 3,828,000	HV
Calypso	Replace boilers and pumps	3	3	3	2	1	5	2	7	\$ 412,500	HV
Calypso	Regrade and provide storm water catch basin at playground southwest corner	3	2	3	3	3	2	2	7	\$ 32,715	SS
Clearview	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 299,330	R
East Hills	Install digital control system for HVAC (partially completed in 2017)	2	3	3	3	3	5	2	7	\$ 952,875	HV
East Hills	Replace emergency generator and transfer switch	3	2	3	3	3	5	2	7	\$ 369,600	ES
East Hills	Replace auditorium lighting	3	2	3	3	3	5	2	7	\$ 250,000	IL
East Hills	Replace HVAC unit in Faculty Planning and Waiting Rooms	2	3	4	2	2	5	3	7	\$ 161,700	HV
East Hills	Replace existing bleachers	3	3	3	2	1	5	2	7	\$ 107,306	AF
East Hills	Install air handler for room 110 Special Ed./Reading	2	3	3	3	2	5	1	7	\$ 173,250	HV
East Hills	Replace air handlers in original building (partially completed in 2017)	2	3	3	3	1	5	2	7	\$ 4,042,500	HV
East Hills	Replace grease traps and sanitary pump	2	3	3	3	1	5	2	7	\$ 101,192	P
East Hills	Replace exterior lighting	3	3	3	2	0	5	2	7	\$ 86,625	EL
East Hills	Replace cafeteria make-up air unit	2	3	3	3	1	5	2	7	\$ 190,575	HV
Education Ctr	Replace windows in 1971 addition	2	3	4	2	4	5	2	7	\$ 68,654	WR
Education Ctr	Point exterior masonry and repairs	1	2	4	4	3	5	2	7	\$ 300,854	M
Education Ctr	Lobby modifications & elevator	3	3	3	1	2	5	1	7	\$ 952,875	HA
Farmersville	Regrade & provide storm drainage at right of main entrance	3	2	3	3	3	2	2	7	\$ 26,172	SS
Fountain Hill	Renovate toilet rooms and replace piping	3	3	4	2	2	5	2	7	\$ 588,877	TR
Fountain Hill	Replace and upgrade HVAC System	2	3	4	3	1	5	1	7	\$ 7,161,000	HV
Fountain Hill	Replace steam boilers	3	3	3	2	1	5	2	7	\$ 693,000	HV
Fountain Hill	Replace exterior doors	3	2	4	2	2	5	2	7	\$ 188,800	ED
Fountain Hill	Provide stage light dimming system	2	3	4	2	2	5	2	7	\$ 127,050	IL
Fountain Hill	Improve exhaust in bathrooms	2	3	4	2	2	5	2	7	\$ 92,400	TR
Fountain Hill	Replace fire alarm system	2	3	2	3	3	5	2	7	\$ 236,775	FA
Freedom	Upgrade fire alarm system panel	2	4	3	2	3	5	2	7	\$ 110,880	FA
Freedom	Replace auditorium lighting (seperate from auditorium renovations)	3	2	3	3	3	5	2	7	\$ 512,000	IL
Freedom	Replace interior doors in central lobby (8 locations)	4	2	3	2	1	5	1	7	\$ 183,206	D
Freedom	Repair/replace student lockers	3	3	3	2	1	5	1	7	\$ 326,928	SL
Freedom	Tennis court repairs / resurfacing	3	3	3	2	1	5	1	7	\$ 80,000	AF
Freedom	Provide redundant UPS system for Network Center	2	3	2	3	3	4	2	7	\$ 344,093	ES
Freemansburg	Install underdrain in parking area	3	2	3	4	4	3	2	7	\$ 77,238	SS
Freemansburg	Replace UV's and install active dehumidification	2	3	2	4	4	2	2	7	\$ 4,627,500	HV
Freemansburg	Repair and recoat roof (Area A) for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 91,476	R
Freemansburg	Replace fire alarm system	2	3	2	3	3	5	2	7	\$ 275,000	FA
Governor Wolf	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 4,676,000	HV
Governor Wolf	Miscellaneous masonry repairs, caulking and water proofing	2	2	3	4	4	3	1	7	\$ 32,715	M
Governor Wolf	Repair and recoat roof for extended warranty (2018)	2	2	4	4	3	2	1	7	\$ 220,559	R
Hanover	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 3,436,000	HV
Hanover	Replace boilers and pumps	3	3	3	2	1	5	2	7	\$ 412,500	HV
Liberty Class	Replace boilers and pumps	3	3	3	2	1	5	2	7	\$ 412,500	HV
Liberty Class	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 120,698	R

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY PRIORITY WITHOUT SELECTED SCHOOLS
(NITSCHMANN)

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November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Liberty Class	Tennis court repairs / resurfacing	3	3	3	2	1	5	1	7	\$ 34,000	AF
Liberty Com	Crowd control doors for separation of Student Activity area	3	3	3	3	3	3	2	7	\$ 103,950	D
Liberty Com	Repair / replace concrete sidewalks	3	2	3	2	3	4	2	7	\$ 91,604	CO
Lincoln	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 335,000	R
Maintenance	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 88,935	R
Miller Heights	Replace UV's and install active dehumidification system	2	3	2	4	4	2	2	7	\$ 4,967,000	HV
Miller Heights	Repair chimney and miscellaneous masonry repairs and caulking classroom	2	2	3	4	4	3	1	7	\$ 45,802	M
Miller Heights	Repair and recoat roof for extended warranty (2019) at addition	2	2	4	4	3	2	1	7	\$ 49,295	R
SPARK (Pre-K)	Resurface/repair asphalt lots	3	2	3	2	4	5	2	7	\$ 235,551	PA
Spring Garden	Remove and replace VCT in corridor	3	3	3	2	3	5	2	7	\$ 130,862	FT
Spring Garden	Reconstruct miscellaneous concrete work at entrances	3	3	3	2	3	5	1	7	\$ 39,259	CO
Spring Garden	Remove and replace VCT in gym	3	3	3	3	1	3	2	7	\$ 98,146	FT
Spring Garden	Repair and recoat roof for extended warranty (2020)	2	2	4	4	3	2	1	7	\$ 74,705	R
Stad-Mem Gym	Replace domestic hot water system at field house	3	3	3	2	1	5	2	7	\$ 198,000	P
T. Jefferson	Replace windows	2	3	3	3	3	5	3	7	\$ 162,195	WR
T. Jefferson	Repair/replace exterior masonry panels	3	2	4	2	3	5	3	7	\$ 302,407	M
T. Jefferson	Replace multi-zone HVAC units	2	4	3	3	2	3	2	7	\$ 3,696,000	HV
T. Jefferson	Install additional exterior hand rails	4	2	3	2	1	5	3	7	\$ 32,692	UN
T. Jefferson	Repair asphalt edging at playground embankment	3	2	3	2	3	4	3	7	\$ 46,200	PA
Transportation Fac.	Replace fencing around entire area	3	2	4	2	3	4	2	7	\$ 176,663	UN
William Penn	Replace exhaust fan in health suite	3	2	4	3	3	5	2	7	\$ 32,692	HV
William Penn	Replace playground fence fabric	4	3	3	2	2	3	2	7	\$ 73,558	UN
William Penn	Improve stage lighting	3	3	4	2	2	5	2	7	\$ 65,385	IL
William Penn	Repair cracks & install control joints in ext. masonry	3	3	3	2	3	5	2	7	\$ 68,483	M
William Penn	Repair/replace exterior masonry panels	3	2	4	2	3	5	3	7	\$ 294,234	M
William Penn	Replace multi-zone HVAC units	2	4	3	3	2	3	2	7	\$ 3,696,000	HV
William Penn	Replace ext. doors	3	3	4	0	2	5	2	7	\$ 99,206	ED
									TOTAL	\$ 56,604,907	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
LISTING BY PRIORITY WITHOUT SELECTED SCHOOLS
(NITSCHMANN)

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November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Asa Packer	Provide additional outlets in M.P. Room	2	4	3	1	2	4	1	6	\$ 26,172	ES
Asa Packer	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 51,975	ID
Asa Packer	Regrade play area at east end for drainage	2	2	4	2	2	5	1	6	\$ 42,909	L
Asa Packer	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 173,250	ES
Broughal	Renovate the grass athletic field	2	2	3	2	2	3	3	6	\$ 186,000	AF
Buchanan	Patch and seal bituminous paving	2	2	2	2	5	3	2	6	\$ 46,200	PA
Calypso	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 173,250	ID
Calypso	Seal all masonry walls and caulking	2	1	1	5	4	3	4	6	\$ 30,894	M
Calypso	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 40,425	PA
Clearview	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 63,525	PA
Donegan	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 63,525	PA
Donegan	Repair and re-coat roof for extended warranty (2021)	2	2	2	3	4	2	1	6	\$ 226,380	R
East Hills	Repair corridor quarry tile in isolated areas	3	3	3	1	1	5	2	6	\$ 27,806	FT
East Hills	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 231,000	ID
East Hills	Provide hot water in Home Economics area	3	3	4	0	1	5	0	6	\$ 51,975	P
East Hills	Upgrade athletic fields including track repairs	2	3	2	2	3	4	1	6	\$ 750,750	AF
East Hills	Renovations to 6th & 7th grade restrooms	2	2	2	3	3	5	2	6	\$ 369,600	TR
East Hills	Seal paved areas gymnasium lot and rear drive	2	2	2	2	5	3	2	6	\$ 69,300	PA
East Hills	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 669,384	ES
East Hills	Remove & replace concrete sidewalk	2	2	2	2	3	5	1	6	\$ 84,102	CO
East Hills	Remove & replace concrete curb (linear & radius)	2	2	2	2	3	5	1	6	\$ 51,491	CO
Education Ctr	Upgrade ATC controls to Metasys and replace HVAC	2	2	4	3	2	3	2	6	\$ 2,310,000	HV
Education Ctr	Replace windows in original building	1	3	3	2	3	5	2	6	\$ 274,618	WR
Education Ctr	Replace carpet	2	3	4	1	1	4	2	6	\$ 65,385	FC
Education Ctr	Remove & replace concrete sidewalk & flatwork	2	2	2	2	3	5	1	6	\$ 80,097	CO
Education Ctr	Regrade and replace sidewalk at N.E. side of building	2	2	2	2	3	5	1	6	\$ 45,770	CO
Farmersville	Install secure entrance vestibule at main building entrance and daycare	4	2	3	2	0	4	2	6	\$ 49,500	ID
Farmersville	Seal all split face block and recaulk exterior and masonry repairs to south classroom wing	2	1	1	5	4	3	4	6	\$ 161,700	M
Farmersville	Paving repairs and seal coating	2	2	2	2	5	3	2	6	\$ 259,875	PA
Fountain Hill	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 69,300	ID
Fountain Hill	Upgrade electrical distribution system and replace lighting	2	3	3	3	1	4	1	6	\$ 831,600	ES
Fountain Hill	Replace floor carpeting in various areas	3	2	3	2	1	4	3	6	\$ 189,749	FC
Fountain Hill	Repair window seals/replace and caulk all joints	2	3	3	2	1	5	2	6	\$ 128,728	WR
Fountain Hill	Provide water coolers	2	2	4	2	2	5	2	6	\$ 34,328	UN
Fountain Hill	Provide additional outlets in classrooms	2	3	2	2	1	5	3	6	\$ 120,145	ES
Fountain Hill	Overlay bituminous paving	2	2	2	2	5	3	2	6	\$ 98,175	PA
Fountain Hill	Renovate Cafeteria and Kitchen	2	3	2	2	1	5	3	6	\$ 981,750	UN
Fountain Hill	Renovate Gymnasium and Stage	2	3	2	2	1	5	3	6	\$ 519,750	UN
Fountain Hill	Landscape & fence steep embankment	2	2	3	2	2	5	1	6	\$ 42,909	L
Freedom	Install roof coating on Siplast roof areas	2	2	3	3	3	4	3	6	\$ 654,308	R
Freedom	Replace roof on wrestling room	2	2	3	3	3	4	3	6	\$ 121,275	R
Freedom	Replace all HVAC equipment and controls in original building	2	2	3	3	3	5	2	6	\$ 4,620,000	HV
Freedom	Replace chillers, pumps and piping in original building mechanical room	2	2	3	3	3	5	2	6	\$ 2,002,000	HV
Freedom	Renovate pool locker rooms	2	2	4	2	2	5	2	6	\$ 441,351	AF
Freedom	Replace air handlers/U.V.'s in original building	2	3	3	2	1	5	2	6	\$ 12,993,750	HV

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
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November 3, 2021

SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Freedom	Overlay bituminous paved areas at east and west lot	2	2	2	2	5	3	2	6	\$ 415,800	PA
Freedom	Remove & replace concrete sidewalk	2	2	3	2	3	5	1	6	\$ 34,328	CO
Freedom	Remove & replace concrete flatwork	2	2	3	2	3	5	1	6	\$ 77,238	CO
Freedom	Replace ceiling tiles	2	2	4	2	1	5	2	6	\$ 622,545	CT
Freedom	Repair and repoint masonry (15%) (exterior brick walls)	2	1	4	2	3	5	2	6	\$ 100,064	M
Freedom	Renovate auditorium	2	2	3	2	2	5	1	6	\$ 2,440,000	UN
Freedom	Storm drainage system upgrades in field areas	3	1	2	2	3	5	1	6	\$ 274,810	SS
Freedom	Repair or replace water coolers	2	2	3	2	1	5	2	6	\$ 42,909	P
Freemansburg	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 127,050	ID
Freemansburg	Expand front parking area	2	2	2	2	5	3	2	6	\$ 31,407	PA
Freemansburg	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 107,993	PA
Governor Wolf	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 23,100	ID
Governor Wolf	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 69,878	PA
Hanover	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 23,100	ID
Hanover	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 57,603	PA
Hanover	Main office carpeting	3	2	2	1	3	3	2	6	\$ 14,400	UN
Lafayette	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 29,425	PA
Liberty Class	Recaulk all exterior masonry joints & windows	2	2	2	3	3	4	3	6	\$ 60,000	M
Liberty Com	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 350,000	ID
Liberty Com	Resurface bus loop, teacher's lot and miscellaneous paving	2	2	3	2	4	5	2	6	\$ 231,000	PA
Liberty Com	Repairs to walkway bridge at Classroom Ctr.	2	2	3	2	3	4	2	6	\$ 150,150	M
Liberty Lab	Replace all HVAC equipment	2	2	3	3	3	5	2	6	\$ 5,300,000	HV
Liberty Lab	Replace all HVAC controls	2	2	3	3	3	5	2	6	\$ 1,000,000	HV
Liberty Lab	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 32,715	M
Lincoln	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 32,715	M
Lincoln	Repair/replace front bus loop sidewalks	2	2	2	3	3	4	3	6	\$ 75,000	CO
Lincoln	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 40,549	PA
Maintenance	Install fire alarm system/smoke detectors	3	1	3	3	3	4	1	6	\$ 45,802	FA
Maintenance	Replace gas pump and fuel monitoring system	3	1	3	3	3	4	1	6	\$ 50,000	FTK
Maintenance	Remove & replace concrete curb & sidewalk	3	1	3	2	3	4	1	6	\$ 42,909	CO
Marvine	Recaulk all exterior masonry joints	2	2	2	3	3	4	3	6	\$ 32,715	M
Marvine	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 66,066	PA
Miller Heights	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 57,750	ID
Miller Heights	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 82,583	PA
Northeast	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 82,583	PA
Northeast	Caulk and seal all exterior masonry	2	2	2	2	5	3	2	6	\$ 173,250	M
SPARK (Pre-K)	Replace lighting with electronic ballast lights	2	2	2	2	4	5	1	6	\$ 91,993	IL
SPARK (Pre-K)	Replace underground storm water pits and replace with new storm water system.										
SPARK (Pre-K)	Improve drainage at play areas and building.	2	2	2	3	3	5	0	6	\$ 325,511	SS
Spring Garden	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 80,850	ID
Spring Garden	Seal bituminous paving	2	2	2	2	5	3	2	6	\$ 102,982	PA
Stad-Mem Gym	STADIUM-Repair concrete walls around stadium	2	2	4	2	3	5	2	6	\$ 523,446	AF
Stad-Mem Gym	Replace roof on wrestling room	2	2	3	3	3	4	3	6	\$ 173,250	R
Stad-Mem Gym	Replace stadium ADA lift	2	2	4	2	3	5	2	6	\$ 55,000	UN
T. Jefferson	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 57,750	ID

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
RECOMMENDATIONS
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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
T. Jefferson	Replace spalled brick	2	1	3	4	3	5	3	6	\$ 42,909	M
T. Jefferson	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 54,064	ES
T. Jefferson	Re-seed lawn areas and landscape	2	2	3	2	2	5	3	6	\$ 34,328	L
T. Jefferson	Repair cracks in exterior brick masonry	2	1	3	2	3	5	3	6	\$ 25,230	M
T. Jefferson	Improve exterior lighting	3	2	4	0	0	5	2	6	\$ 34,650	EL
T. Jefferson	Replace plumbing fixtures and renovate toilets	3	2	4	0	0	5	2	6	\$ 231,000	P
T. Jefferson	Renovate Kitchen	3	2	4	0	0	5	2	6	\$ 231,000	UN
T. Jefferson	Renovate multi-purpose room	3	2	4	0	0	5	2	6	\$ 288,750	UN
T. Jefferson	Replace exterior caulking	2	1	3	2	3	5	3	6	\$ 27,119	CA
Transportation Fac.	Install fire alarm system	2	2	3	2	2	4	2	6	\$ 26,172	FA
Transportation Fac.	Resurface parking lots	2	2	3	2	2	4	2	6	\$ 369,600	PA
Transportation Fac.	Install site drainage southeast corner of bus lot	2	2	3	2	2	4	2	6	\$ 80,000	SS
Transportation Fac.	Repair asphalt driveway to depot	2	2	3	2	2	4	2	6	\$ 200,000	PA
Transportation Fac.	Replace diesel pumps and fuel monitoring system	2	2	3	2	2	4	2	6	\$ 50,000	FTK
William Penn	Provide sound attenuation adjacent to cafeteria	3	3	4	0	1	5	2	6	\$ 19,616	UN
William Penn	Re-coat existing roof	2	2	3	3	3	4	3	6	\$ 170,121	R
William Penn	Install secure entrance vestibule at main building entrance	4	2	3	2	0	4	2	6	\$ 57,750	ID
William Penn	Replace window units	2	2	3	2	4	5	2	6	\$ 162,195	WR
William Penn	Provide additional outlets in classrooms & upgrade electrical service	2	3	2	2	1	5	3	6	\$ 54,064	ES
William Penn	Replace plumbing and renovate toilets	2	3	2	2	1	5	3	6	\$ 231,000	P
William Penn	Renovate Kitchen	2	3	2	2	1	5	3	6	\$ 231,000	UN
William Penn	Renovate multi-purpose room	2	3	2	2	1	5	3	6	\$ 288,750	UN
William Penn	Resurface paving	2	3	2	2	1	5	3	6	\$ 207,900	PA
William Penn	Provide shades or blinds at east & west windows	2	3	4	0	0	5	3	6	\$ 18,879	WS
William Penn	Replace exterior caulking	2	1	3	2	3	5	3	6	\$ 27,121	CA
									TOTAL	\$ 47,497,406	

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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	\$ 23,341	IP
Asa Packer	Improve exterior lighting	2	2	3	0	0	5	2	5	\$ 102,960	EL
Broughal	Paint interior of the building	0	2	3	2	4	3	0	5	\$ 460,000	IP
Buchanan	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 233,310	IL
Calypso	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 235,620	IL
Clearview	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 251,909	IL
Clearview	Paint interior of building	0	2	3	2	4	3	0	5	\$ 110,000	IP
Donegan	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 325,192	IL
Donegan	Paint interior of building	0	2	3	2	4	3	0	5	\$ 142,000	IP
Donegan	Replace classroom signage	0	2	3	2	4	3	0	5	\$ 18,750	UN
East Hills	Replace wall covering in Auditorium	3	2	3	0	0	5	2	5	\$ 48,060	IP
East Hills	Replace casework	3	2	3	0	0	5	2	5	\$ 825,825	UN
East Hills	Repoint stone walls at main entry	2	0	3	2	4	5	1	5	\$ 65,221	M
East Hills	Repair auditorium entry limestone columns	2	0	3	2	4	5	1	5	\$ 50,000	M
East Hills	Replace interior lighting (improve energy savings, partially completed in 2017)	2	1	2	1	4	4	2	5	\$ 665,500	IL
East Hills	Renovate stage area, curtains, lighting and replace auditorium seats	2	2	3	0	0	5	3	5	\$ 750,750	SC
East Hills	Interior Painting (Café, gym, hallways & lavs)	0	2	3	2	4	3	0	5	\$ 130,000	IP
Education Ctr	Replace interior doors	1	2	4	1	1	5	1	5	\$ 111,565	ID
Education Ctr	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 164,886	IL
Education Ctr	Improve exterior lighting	2	2	3	0	0	5	2	5	\$ 42,909	EL
Farmersville	Interior painting of corridors	0	2	3	2	4	3	0	5	\$ 35,000	IP
Fountain Hill	Replace ceiling tiles	3	2	3	0	1	5	2	5	\$ 288,750	CT
Fountain Hill	Repair plaster ceiling on 3rd floor	3	2	3	0	1	5	2	5	\$ 57,750	CT
Fountain Hill	Repair stone wall and fencing	3	1	3	0	3	5	1	5	\$ 75,900	M
Fountain Hill	Replace intercom system add additional speakers	2	2	2	2	1	3	2	5	\$ 88,935	IC
Fountain Hill	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 375,573	IL
Fountain Hill	Provide new window shades, blinds, etc.	2	3	2	0	0	5	2	5	\$ 37,245	WS
Freedom	Repoint stone wall	3	1	3	0	4	5	1	5	\$ 34,328	M
Freedom	Upgrade building exhaust (allowance)	2	2	2	2	1	5	2	5	\$ 115,500	HV
Freedom	Provide new window shades, blinds, etc.	2	2	4	0	0	5	2	5	\$ 63,161	WS
Freedom	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 1,304,689	IL
Freemansburg	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 263,340	IL
Freemansburg	Replace ceiling tile	2	1	2	1	4	4	2	5	\$ 314,160	CT
Freemansburg	Interior painting of classrooms and corridors	0	2	3	2	3	3	4	5	\$ 110,000	IP
Governor Wolf	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 334,950	IL
Hanover	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 219,450	IL
Hanover	Interior painting	0	2	3	2	4	3	0	5	\$ 61,000	IP
Liberty Lab	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 348,125	IL
Lincoln	Seal masonry and replace select glazed block	2	2	2	2	4	2	1	5	\$ 52,345	M
Lincoln	Remove oil tank	3	2	2	1	2	3	2	5	\$ 40,000	FTK
Lincoln	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 247,328	IL
Lincoln	Interior painting	0	2	3	2	4	3	0	5	\$ 108,400	IP
Maintenance	Reconstruct bituminous paving at rear	2	1	4	0	4	4	3	5	\$ 73,558	PA
Maintenance	Replace lighting (energy)	2	1	2	1	4	4	2	5	\$ 96,000	IL
Marvine	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 253,740	IL
Marvine	Interior painting	0	2	3	2	4	3	0	5	\$ 96,000	IP

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Miller Heights	Replace interior lighting (improve energy savings)	2	1	2	1	4	4	2	5	\$ 358,050	IL
Miller Heights	Interior painting	0	2	3	2	4	3	0	5	\$ 102,000	IP
Northeast	Interior painting	0	2	3	2	4	3	0	5	\$ 374,000	IP
SPARK (Pre-K)	Plumbing isolation valve & wall hydrant replacement including back flow preventer	2	2	3	2	1	4	2	5	\$ 49,535	P
SPARK (Pre-K)	Replace boiler, air handler and install ATC controls	2	2	2	2	1	5	1	5	\$ 716,100	HV
SPARK (Pre-K)	Replace panelboard for HVAC equipment	2	2	2	2	1	5	1	5	\$ 56,612	ES
SPARK (Pre-K)	Replace fire alarm system	2	2	2	2	1	5	1	5	\$ 63,688	UN
Stad-Mem Gym	MEM GYM-Repaint exterior masonry	2	1	3	2	3	5	2	5	\$ 70,056	M
T. Jefferson	Replace exterior doors	2	2	3	0	1	5	3	5	\$ 99,206	ED
T. Jefferson	Replace chalk & tack boards	2	2	1	2	1	5	1	5	\$ 45,141	UN
T. Jefferson	Resurface bituminous paving	2	1	4	0	2	1	4	5	\$ 51,975	PA
Transportation Fac.	Replace roof, out of warranty	2	2	3	2	1	4	1	5	\$ 319,251	R
Transportation Fac.	Install Metasys Controls on two RTU's	2	2	2	2	2	3	2	5	\$ 73,558	HV
William Penn	Replace or repair spalled brick in ext. masonry (15%)	2	1	3	2	3	5	2	5	\$ 72,089	M
William Penn	Improve exterior lighting	3	2	3	0	0	5	2	5	\$ 32,692	EL
William Penn	Replace concrete walks	2	2	2	2	0	5	2	5	\$ 45,141	CO
William Penn	Replace chalk and tack boards with whiteboards	2	2	1	2	1	5	1	5	\$ 45,141	UN
William Penn	Regrade and landscape areas	2	2	2	0	2	4	2	5	\$ 18,022	L
									TOTAL	\$ 12,445,279	

BETHLEHEM AREA SCHOOL DISTRICT MASTER PLAN
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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	\$ 128,728	UN
East Hills	Replace student lockers	2	2	2	0	0	5	1	4	\$ 304,920	SL
East Hills	Repair floor cracks in Room 204	2	1	3	0	1	5	1	4	\$ 8,067	UN
East Hills	Replace or repair ceiling tiles (partially completed in 2017)	1	2	3	0	0	5	1	4	\$ 381,150	CT
Education Ctr	Provide new window shades, blinds, etc.	2	2	2	0	0	5	2	4	\$ 34,328	WS
Education Ctr	Caulk all masonry joints	1	0	3	2	2	5	1	4	\$ 45,313	M
Fountain Hill	Renovate stage area	2	2	2	0	0	5	2	4	\$ 150,150	SC
Fountain Hill	Re-paint concrete in sheltered play areas	1	2	2	0	0	5	2	4	\$ 15,447	EP
Freedom	Install restrooms at synthetic turf field	2	1	3	1	1	5	1	4	\$ 288,750	TR
Freedom	Install restrooms at field house	2	1	3	1	1	5	1	4	\$ 346,500	TR
Freedom	Add classroom electrical outlets	2	2	3	0	0	5	0	4	\$ 138,600	ES
Freedom	Add field house building at turf field	2	2	2	1	1	2	1	4	\$ 216,000	AF
Freedom	Add additional bleachers at turf field	2	2	2	1	1	2	1	4	\$ 60,000	AF
Freedom	Repair cracks in wall adj to Rooms 116, 115, 212, & 213	2	1	3	0	1	5	2	4	\$ 27,806	M
Lafayette	Install outfield fence	2	2	2	1	1	2	1	4	\$ 38,500	L
Maintenance	Install emergency generator, lighting and exit signs	2	1	3	0	0	5	3	4	\$ 231,000	ES
SPARK (Pre-K)	Replace parking lot lights	1	1	2	2	1	5	1	4	\$ 39,626	EL
T. Jefferson	Provide new window shades, blinds, etc.	2	2	2	0	0	5	3	4	\$ 27,463	WS
T. Jefferson	Provide stage dimming system	2	1	2	1	1	3	2	4	\$ 60,060	IL
William Penn	Replace water coolers	2	2	2	0	1	5	2	4	\$ 18,022	P
William Penn	Provide new window shades, blinds, etc.	2	2	2	0	0	5	3	4	\$ 27,634	WS
William Penn	Provide stage dimming system	2	1	2	1	1	3	2	4	\$ 60,060	IL
									TOTAL	\$ 2,648,125	

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SCHOOL	ITEM	SA	EI	PC	DE	EC	AG	LE	PRIORITY	COST	CATEGORY
Asa Packer	Renovate stage area: curtains & lighting	1	1	2	0	0	5	2	3	\$ 127,050	SC
East Hills	Provide additional sound baffles in Cafeteria	0	2	2	0	0	5	1	3	\$ 34,328	UN
Maintenance	Perform property survey & set corner pins	0	0	5	0	0	5	0	3	\$ 6,008	PS
Spring Garden	Install stage light dimming system	1	1	2	2	1	1	2	3	\$ 102,982	SC
William Penn	Replace brown colored chalkboard with whiteboards	1	1	2	0	0	5	2	3	\$ 27,119	UN
									TOTAL	\$ 297,487	
East Hills	Replace metal fascia panels at kitchen loading area	1	0	2	0	1	5	1	2	\$ 49,040	R
East Hills	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 12,014	PS
East Hills	Repair masonry	0	0	2	0	1	5	1	2	\$ 40,866	M
Fountain Hill	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 12,014	PS
Freedom	Perform property survey & set corner pins	0	0	4	0	0	5	0	2	\$ 12,014	PS
T. Jefferson	Perform property survey & set corner pins	0	0	4	0	0	5	1	2	\$ 12,702	PS
William Penn	Perform property survey & set corner pins	0	0	4	0	0	5	1	2	\$ 12,702	PS
									TOTAL	\$ 151,352	
Asa Packer	Contingency, miscellaneous & unidentified items								0	\$ 133,140	CN
Asa Packer	Provide handicapped accessibility								0	\$ 166,144	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	\$ 85,819	HA
East Hills	Contingency, miscellaneous & unidentified items								0	\$ 215,592	CN
Education Ctr	Contingency, miscellaneous & unidentified items								0	\$ 214,152	CN
Fountain Hill	Contingency, miscellaneous & unidentified items								0	\$ 185,832	CN
Fountain Hill	Handicapped accessibility, including stair lift								0	\$ 173,250	HA
Freedom	Provide handicapped accessibility								0	\$ 128,728	HA
Freedom	Contingency, miscellaneous & unidentified items								0	\$ 282,613	CN
Lafayette	Demolition & site work completed in 2002								0	\$ -	
Liberty Class	Capital Improvements completed in 2008								0	\$ -	
Liberty Com	Renovated in 2008								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	\$ 34,328	CN
Marvine	NEW BUILDING Completed in 2001	0	0	0	0	0	0	0	0	\$ -	
Northeast	New Building complete 2005	0	0	0	0	0	0	0	0	\$ -	
Stad-Mem Gym	Provide handicapped accessibility at Stadium (additional - phase 2)								0	\$ 429,090	HA
Stad-Mem Gym	Contingency, miscellaneous & unidentified items								0	\$ 293,432	CN
T. Jefferson	Provide handicapped accessibility, including elevator								0	\$ 274,963	HA
T. Jefferson	Contingency, miscellaneous & unidentified items								0	\$ 86,676	CN
William Penn	Contingency, miscellaneous & unidentified items								0	\$ 83,072	CN
William Penn	Provide handicapped accessibility, including elevator								0	\$ 274,275	HA
									TOTAL	\$ 3,061,104	
									GRAND TOTAL	\$ 126,981,260	

BETHLEHEM AREA SCHOOL DISTRICT
 PROPOSED 2020 CAPITAL IMPROVEMENT PROJECTS
 PENDING FISCAL STRATEGY FOR IMPLEMENTATION

November 3, 2021

	<u>Schools</u>	<u>Approx. Date Listed on Capital Plan</u>	<u>Major Remaining Projects</u>	<u>Project Budget & With Fees & Contingency</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
1	Fountain Hill ES	1990	Renovation / Reconstruction	See attached sheet			
2	East Hills MS	2005	HVAC & Misc.	TBD			
3	Freedom HS	2005	HVAC & Misc.	TBD			
4	Thomas Jefferson	1990	Renovation / Reconstruction	See attached sheet			
5	William Penn	1990	Renovation / Reconstruction	See attached sheet			
	<u>Schools</u>	<u>Approx. Date Listed on Capital Plan</u>	<u>Capital Projects</u>	<u>Project Budget & With Fees & Contingency</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
6	Various	1990	Mechanical and electrical repairs	TBD	\$200,000.00		
7	Various	1990	Replace flooring	TBD	\$50,000.00		
8	Various	1990	Paving and concrete repairs	TBD	\$70,000.00		
9	Various	1990	Asbestos & miscellaneous environmental	TBD	\$20,000.00		
10	Various	1990	Masonry and roof repairs	TBD	\$200,000.00		
11	Various	2015	Roof coatings to preserve warranty	TBD	\$200,000.00		
12	Various	2012	Security upgrades (cameras, vestibules, etc.)	TBD	\$50,000.00		
			Funds from General Operating Budget		\$790,000.00		
13	Freemansburg	2006	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$5,418,000.00	\$5,418,000.00		
14	Calypso	2006	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$4,515,000.00	\$4,515,000.00		
15	Governor Wolf	2006	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$5,512,500.00	\$5,512,500.00		
16	Buchanan	2006	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$4,410,000.00		\$4,410,000.00	
17	Miller Heights	2006	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$5,827,500.00		\$5,827,500.00	
18	Hanover	2006	Replace UV's, replace boilers and pumps add dehumidification, lights, ceiling & misc. Fire Alarm, Security Camera Cabling, Interior Painting.	\$4,095,000.00		\$4,095,000.00	
19	Freedom	2013	Replace chillers, pumps and piping in original building	\$2,502,500.00			
20	Liberty Class	2020	Replace boilers and pumps	\$515,625.00			
21	Stad-Mem Gym	2020	Replace domestic hot water system at field house	\$247,500.00			
22	Ed Center	2008	Upgrade ATC controls to Metasys, replace air handlers, lights, ceiling & misc.	\$2,887,500.00			
23	Freedom	2020	Replace science wing roof	\$981,750.00			
24	Freedom	2011	Repair and recoat roof (all areas) for extended warranty	\$2,480,920.00			
25	All Schools	2019	Conversion of interruptible gas service to firm	\$250,000.00			
26	Freedom	2010	Auditorium lighting replacement	\$270,000.00	\$270,000.00		
27	East Hills	2010	Auditorium lighting replacement	\$69,000.00	\$69,000.00		
28	Freedom	2020	Recoat tennis court and crack repair	\$100,000.00			
29	Liberty	2020	Recoat tennis court and crack repair	\$34,000.00	\$34,000.00		
			TOTAL	\$40,116,795.00	\$15,818,500.00	\$14,332,500.00	
			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.



D'HUY Engineering, Inc.

**BETHLEHEM AREA SCHOOL DISTRICT
SUMMARY OF BUILDING CONSIDERATIONS AND BUDGET
THOMAS JEFFERSON ELEMENTARY SCHOOL
NOVEMBER 2021**

Thomas Jefferson	OPTION 1 Existing Address Infrastructure Needs Only	OPTION 2 Renovation & Addition	OPTION 3 Replace
Year Built	1972	1972	
Site Size	2 acres	2 acres	2 acres
Building Size	38,500 sq. ft.	38,500 sq. ft.	
Addition / New		8,000 sq. ft.	45,000 sq. ft.
Functional Capacity	375	375	375
Enrollment	228	228	228
Educational Program Needs	Improve open concept, cafeteria, gym and multiple levels are not functional	Address open concept, new multi-purpose room	New building meeting all needs
Site Scope	Repairs to existing	Repairs to existing	New
Asbestos	Minimal	Minimal	N/A
M,E,P	Completely new systems. The system selection and design will not be as efficient or functional due to the layout of the building.	Completely new systems. The system selection and design will not be as efficient or functional due to the layout of the building.	New energy efficient, user friendly system
Architectural	TBD	TBD	New
Other	TBD	TBD	N/A
Phasing Concerns	Significant challenges	Significant challenges	Phasing will affect site functions
Order of Magnitude Cost 2019	\$ 9,500,000	\$ 15,500,000	\$ 21,000,000
Inflation per year 5% for 2 years	\$ 973,750	\$ 1,588,750	\$ 2,152,500
Current Economy 10%	\$ 1,047,375	\$ 1,708,875	\$ 2,315,250
Order of Magnitude Cost 2021	\$ 11,521,125	\$ 18,797,625	\$ 25,467,750



D'HUY Engineering, Inc.

**BETHLEHEM AREA SCHOOL DISTRICT
SUMMARY OF BUILDING CONSIDERATIONS AND BUDGET
WILLIAM PENN ELEMENTARY SCHOOL
NOVEMBER 2021**

William Penn	OPTION 1 Existing Address Infrastructure Needs Only	OPTION 2 Renovation & Addition	OPTION 3 Replace
Year Built	1972	1972	
Site Size	2 acres	2 acres	2 acres
Building Size	38,500 sq. ft.	38,500 sq. ft.	
Addition/New		8,000 sq. ft.	45,000 sq. ft.
Functional Capacity	325	325	325
Enrollment	239	239	239
Educational Program Needs	Improve open concept, cafeteria, gym and multiple levels are not functional	Address open concept, new multi-purpose room	New building meeting all needs
Site Scope	Repairs to existing	Repairs to existing	New
Asbestos	Minimal	Minimal	N/A
M,E,P	Completely new systems. The system selection and design will not be as efficient or functional due to layout of the building.	Completely new systems. The system selection and design will not be as efficient or functional due to layout of the building.	New energy efficient, user friendly system
Architectural	TBD	TBD	New
Other	TBD	TBD	N/A
Phasing Concerns	Significant challenges	Significant challenges	Phasing will affect site functions
Order of Magnitude Cost 2019	\$ 9,800,000	\$ 15,500,000	\$ 21,000,000
Inflation per year 5% for 2 years	\$ 1,004,500	\$ 1,588,750	\$ 2,152,500
Current Economy 10%	\$ 1,080,450	\$ 1,708,875	\$ 2,315,250
Order of Magnitude Cost 2020	\$ 11,884,950	\$ 18,797,625	\$ 25,467,750



D'HUY Engineering, Inc.

**BETHLEHEM AREA SCHOOL DISTRICT
SUMMARY OF BUILDING CONSIDERATIONS AND BUDGET
FOUNTAIN HILL ELEMENTARY SCHOOL
NOVEMBER 2021**

Fountain Hill	OPTION 1 Existing Address Infrastructure Needs Only	OPTION 2 Renovation & Addition	OPTION 3 Replace
Year Built	1937/1994 Addition/Renovation	1937/1994 Addition/Renovation	
Site Size	2.7 Acres	2.7 Acres	2.7 Acres
Building Size	82,000 sq. ft.	82,000 sq. ft.	
Addition / New		10,000 sq. ft.	72,000 sq. ft.
Functional Capacity	700	700	700
Enrollment	567	567	567
Educational Program Needs	Open concept issues, poor cafeteria, poor and inefficient layout	Open concept issues, poor cafeteria, poor and inefficient layout	New building meeting all needs
Site Scope	Repairs to existing	Repairs to existing	New
Asbestos	Minimal	Minimal	
M,E,P	New systems but layout and spaces will limit HVAC options.	New systems but layout and spaces will limit HVAC options.	New energy efficient user friendly system.
Architectural	TBD	TBD	New
Other	TBD	TBD	N/A
Phasing Concerns	Complex phasing	Complex phasing	Phasing will affect site functions.
Order of Magnitude Cost 2019	\$ 18,500,000	\$ 28,500,000	\$ 34,500,000
Inflation per year 5% for 2 years	\$ 1,896,250	\$ 2,921,250	\$ 3,536,250
Current Economy 10%	\$ 2,039,625	\$ 3,142,125	\$ 3,803,625
Order of Magnitude Cost 2020	\$ 22,435,875	\$ 34,563,375	\$ 41,839,875



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 accffredited 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

Mr. Mark Stein | Bethlehem Area School District
SSM File 107581.0014
August 26, 2021
Page 2 of 2



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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	Methodology for AHERA 3-Year Reinspection.....	1
	Glossary of Terms	2
	Asbestos Exposure Assessment Algorithm Variables	3
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3.0	Building Reports	6

Freedom High School

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

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
AHERA 3-YEAR ASBESTOS RE-INSPECTION REPORT
JULY, 2021

EXECUTIVE SUMMARY

The AHERA 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 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.

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	
Freedom HS	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	
Freedom HS	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	Transite 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	450	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 wear 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 |
| 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. 107581.0015
dated August 11, 2021. |

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

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SSM File 107581.0014

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

EXECUTIVE SUMMARY

The AHERA 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 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
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	Added July 2019
East Hills MS	Room 325 (Faculty)	9"x9" Floor Tile and Mastic	60	S	0	1	2	1	2	2	
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

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SSM File 107581.0014

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

EXECUTIVE SUMMARY

The AHERA 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 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
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

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SSM File 107581.0014

**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	
Fountain Hill ES	Room 307	9'x9" Floor Tile and Mastic	760	S	0	1	2	1	2	2	Under carpet, Added January 2019
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

**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 1'x1' Floor Tile and Mastic	3,767 S.F. 8,954 S.F.	Handle under the O&M Program 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

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SSM File 107581.0014

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

EXECUTIVE SUMMARY

The AHERA 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 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
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	

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

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SSM File 107581.0014

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

EXECUTIVE SUMMARY

The AHERA 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 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
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 INTERMEDIATE 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.	Edgboro 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

FGIP = Fiberglass Insulated Pipe
 **= Not quantified, Assumed

**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 Sink Undercoating*		Handle under the O&M Program
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

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SSM File 107581.0014

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

EXECUTIVE SUMMARY

The ASBESTOS 3-Year Re-Inspection of the Maintenance Building was conducted by Mr. David L. Kuchinski on July 26, 2021. Mr. Kuchinski is an EPA ASBESTOS 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 ASBESTOS.

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	Height	Eyes	Birth Date
M	6'05"	HZL	09/05/1965
Expires	Issue Date		
12/10/2021	01/11/2021		

Class
INSPECTOR

DAVID L KUCHINSKI
402 W WYOMISSING BLVD
WEST LAWN PA 19609



David L. Kuchinski

PENNSYLVANIA ASBESTOS CERTIFICATION

031173

Sex	Height	Eyes	Birth Date
M	6'05"	HZL	09/05/1965
Expires	Issue Date		
12/10/2021	01/11/2021		

Class
MANAGEMENT PLANNER

DAVID L KUCHINSKI
402 W WYOMISSING BLVD
WEST LAWN PA 19609



David L. Kuchinski

