# LEHIGHTON AREA SCHOOL DISTRICT

LEHIGHTON, PA

DISTRICT-WIDE FEASIBILITY STUDY

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# PART I
# DISTRICT OVERVIEW

# FEASIBILITY STUDY INTRODUCTION

This Feasibility Study, completed by EI Associates, as commissioned by the Board of School Directors, is intended as a tool in evaluating the Lehighton Area School District's current and future facility needs and expenditures.

The Commonwealth of Pennsylvania requires that School Districts complete a Feasibility Study of all facilities owned by the School District as part of receiving State reimbursement for a PlanCon project. The study must provide an appraisal of the ability of existing schools to meet current and planned educational programs and space needs including an analysis of projected enrollment. The District-wide feasibility study requirements are outlined on the following pages.

This study has been compiled using data gathered at recent meetings with District Administrators. Visits to the buildings have been conducted to evaluate their compliance with Department of Education Standards; International Building Codes; Pennsylvania Department of Labor and Industry Standards; National Plumbing and Electrical Codes; and the American Disability Act Accessibility Standards. The Feasibility Study began with a tour of each existing building to evaluate its size, age, condition, suitability as an educational facility and potential for upgrading or expansion. Discussions took place with the School District, following the building tours, to confirm current and projected building usage and school programs, also to explore possible future changes in program and developments that might affect the study.

The following topics are covered within the study:

- An overview of the Lehighton Area School District that considers such factors as geography, population, and wealth. Distinguishing characteristics that will have an impact on Lehighton Area School District's facilities are identified such as geographically separate population centers.
- An analysis of Lehighton Area School District's projected enrollment, including population projection charts 10 years into the future for grade groupings K-4; 5-8; 9-12; and K-12.
- An overview of Lehighton Area School District's educational program that highlights special facility needs, including curriculums that would require special design features.
- An analysis of each building's capacity as it relates to the educational program.
- Existing educational trends, future technologies, and future learning strategies/activities are considered as part of this evaluation as criteria to judge a facility and to determine its long-range usefulness as a school.
- An analysis of each building's physical condition includes the following: Current building codes, PA Department of Education Standards, energy conservation measures, and the America Disability Act Accessibility Standards (ADA). The analysis is divided into at least seven major facility components: Site; Exterior of Building; Interior of Building; Heating, Ventilation, and Air Conditioning; Plumbing; Electrical; and Code Evaluation; as well as applicable components including Security, IT and Communications, and Educational Upgrades.
- An analysis of construction options, including cost estimates, and a summary depicting buildings, options, and costs.

# FEASIBILITY STUDY GUIDELINES

## Pennsylvania Department of Education: District-Wide Facility Study Guidelines

"District-Wide Facility Study Guidelines", which are based on the Pennsylvania Department of Education (PDE) PlanCon-A instructions are outlined below.

Basic Education Circular (BEC) 24 P.S. § 7-733, "School Construction Reimbursement Criteria," explains the requirement for school building district-wide facility studies as a condition for reimbursement.

> School districts must develop a complete building facility study of all district educational facilities including the district administration office. The study must be completed prior to, and within two years of, the date of the PlanCon Part A, Project Justification, submission. The study must provide an appraisal as to each facility's ability to meet current and planned educational program requirements, the degree to which the present facilities meet reasonably current construction standards, and an estimated cost of necessary repairs and improvements. Facility studies must contain documentation regarding the authors' credentials for producing the document.

The Department no longer requires the entire facility study to be submitted. In lieu of the study, Page A03, District-Wide Facility Study Certification, must be submitted. The Department of Education, however, reserves the right to request a copy of the entire district-wide facility study. Completion of a district-wide facility study is a prerequisite to submission of Part A. A PlanCon project must be one of the options evaluated and considered in the study.

Before the Commonwealth will consider a building project for reimbursement, school districts must demonstrate that they have evaluated all of their facilities. The purpose of the district-wide facility study is to develop a plan for addressing the **entire** school district's facility needs. The study must consider how well each building lends itself to the school district's current and planned educational program, both in terms of the building's **design** (e.g., arrangement, number, layout and size of various spaces relative to current and projected enrollment) and **structure** (e.g., soundness, compliance with codes, access, environmental conditions). When the study indicates some inadequacy or deficiency, it must provide an estimate of the cost to correct the problem.

It is important to remember that PlanCon is designed as an administrative tool with the primary purpose of documenting planning and determining subsidy. It contains assumptions that may not apply to a particular school district. PlanCon, for instance, computes full time equivalent elementary capacity based on the assumption of 25 students per room. Secondary capacity presumes a 90 percent utilization rate. Capacity for special education rooms is calculated only for reimbursement purposes. It is important that facility studies provide a clear explanation of methodologies used to determine such things as capacity and enrollment.

# FEASIBILITY STUDY GUIDELINES

## Pennsylvania Department of Education: District-Wide Facility Study Guidelines (con't)

**District-wide facility studies must contain all of the following elements and include answers to all the of questions asked:**

1. An overview of the school district that considers such factors as geography, population, and wealth. The overview must include:
   a. population and wealth statistics
   b. a map showing the general location of the school district in the state or geographic region
   c. a map of the school district showing the general location of all existing buildings and owned sites in the school district.
   d. information on any distinguishing characteristics, such as geographically separate population centers, that will have an impact on facilities.

2. An overview of the school district's educational program. The overview must address for all grades (K-12):
   a. instructional practices or planned curriculums by grade structure (elementary, middle, secondary, etc.)
   b. special facility needs, if applicable, needed to support planned curriculums.

3. An analysis of projected enrollment. The analysis must include:
   a. the likely enrollment for each grade structure ten years into the future
   b. a discussion of the reliability of the enrollment projections.

4. An analysis of each building's capacity as it relates to the educational program. The analysis must address:
   a. how many students a building can house
   b. the types of educational spaces required by the educational program described
   c. grade alignments
   d. length of school day and number of classes per day, if applicable
   e. size of particular rooms and adequacy of those rooms, if applicable.

5. An analysis of each building's condition. The analysis must address:
   a. the building's physical condition
   b. the projected useful life of each building's major components (electrical, HVAC, plumbing, etc.)
   c. code violations
   d. universal accessibility
   e. Energy Portfolio Surveys
   f. the cost to upgrade each building to current standards.

# FEASIBILITY STUDY GUIDELINES

## Pennsylvania Department of Education: District-Wide Facility Study Guidelines (con't)

6. An analysis of construction options. The analysis must address:
   a. the alternatives available to the school district based on the above analysis
   b. cost estimates for each alternative
   c. the pros and cons for each alternative
   d. a summary page depiction options and costs
   e. Energy Portfolio Surveys

7. Documentation regarding the authors' credentials. This section must include the education, registration or licensure and experience for each author.

**Energy Portfolio Surveys:**

Within the District-Wide Facility Study, Energy Portfolio Surveys must be included for each existing building and for each construction option that is being considered. The specific requirements for these Surveys are as follows:

1. Surveys for each Existing Building:

   This Survey entails facility benchmarking, using the EPA/DOE Portfolio Manager Tool, identifying the annual site and source energy and annual water consumption.

   Portfolio Manager is an interactive energy management tool that helps track and assess a building's energy and water consumption. Portfolio Manager requires the input of existing utility bills and basic facility data.

2. Surveys for each Construction Option (ie: for each New Building, Building Alteration, and/or Building Additions/Alterations)

   This Survey entails providing a predictive utility budget, using the EPA/DOE Target Finder tool, identifying the annual site and source energy and annual water consumption.

   Target Finder helps establish an energy performance target for new design projects and major building renovations.

# DISTRICT OVERVIEW INTRODUCTION

This section of the Feasibility Study is an overview of the Lehighton Area School District that considers such factors as geography, population, and wealth. Distinguishing characteristics that will have an impact on Lehighton Area School District's facilities are identified such as geographically separate population centers.

The topics covered in this section of the Feasibility Study include:

- A summary of School District Buildings.
- Geography / Geographic Population Centers including data and respective maps.
- Population / Population Density / Population Distribution by Land Use including data and respective maps.
- Housing Characteristics including the years housing units were built and the years that the householder moved into the housing units.
- Economic Characteristics including Income and Occupation data.
- General Population Characteristics.

# DISTRICT OVERVIEW SUMMARY

## School District Buildings

The Elementary School program (grades K-4) consists of East Penn Elementary School, Franklin Elementary School, Mahoning Elementary School, and Shull-David Elementary School.

The Secondary School program consists of the Lehighton Area Middle School (grades 5-8); also the Lehighton Area High School (grades 9-12).

Other School District facilities include: District Administration Building, and the Lehighton Area Stadium with Field House located at the Middle School site.

## Geography / Geographic Population Centers

The School District is located just North of the Blue Mountain range extending along the Lehigh River in the Southern section of Carbon County, Pennsylvania and includes the municipalities of East Penn Township, Franklin Township, Lehighton Borough, Mahoning Township, Parryville Borough and Weissport Borough.

East Penn Elementary School is located in East Penn Township; Franklin Elementary School is located in Franklin Township; Mahoning Elementary School is located in Mahoning Township; and Shull-David Elementary School as well as Lehighton Area Middle School, Lehighton Area High School, and the District Administration Building are located in Lehighton Borough.

Elementary School attendance is divided among the four Elementary Schools, while the Middle School and High School encompass attendance from the School District as a whole.

## Population / Population Density / Population Distribution by Land Use

The Population age percentages based on the 2000 U.S. Census for the School District are as follows: 5% of residents are Pre-school age children 0 to 4 years; 16% of residents are School age children 5 to 17 years; 60% of residents are Adults age 18 to 64 years; and 18% of residents are Adults age 65+ years.

The School District serves an approximate population of 17,131 residents within 64.9 square miles, and the land use is varied, with the majority of the population residing in Urban classified areas. The approximate average Population Density of the School District is 264 persons per square mile, while the Household Average Density is 115 households per square mile.

The majority of the School District's population lives in Urban classified areas. 54.4% of the School District's population is classified as Urban and 45.6% of the School District's population is classified as Rural. 56.0% of the School District's Housing Units are classified as Urban and 44.0% of the School District's Housing Units are classified as Rural.

# DISTRICT OVERVIEW SUMMARY

## Housing Characteristics

The Years that Housing Structures (all occupied and unoccupied units) were built in the School District are as follows: 55.3% were built 1959 or Earlier; 8.3% were built between 1960 to 1969; 14.7% were built between 1970 to 1979; 11.0% were built between 1980 to 1989; 5.4% were built between 1990 to 1994; and 5.4% were built between 1995 to March 2000.

The Years that the Householder moved into the Housing Unit (total occupied housing units) in the School District are as follows: 19.4% in 1969 or Earlier; 16.6% between 1970 to 1979; 17.9% between 1980 to 1989; 12.7% between 1990 to 1994; 21.6% between 1995 to 1998; and 11.9% between 1999 and March 2000.

## Economic Characteristics

Economic data based on the 2000 U.S. Census for the School District: $35,505 was the Median Household Income; $42,074 was the Median Family Income; $16,349 was the Per Capita Income; 6.5% of Families were Below Poverty Level; 8.9% of the Population were Below Poverty Level; $89,683 was the Median House Value.

The Occupation data of employed civilian population age 16 years and over for the School District: 12.9% Management & Professional; 8.5% Service Occupations; 13.2% Sales & Office; 0.2% Farming, Fishing & Forestry; 6.9% Construction, Extraction & Maintenance; 15.3% Production, Transportation & Material Moving.

## General Population Characteristics

Total population of the School District: 48.8% Male and 51.2% Female.

Total Population over 25 years of age: 75.8% have a High School Degree or higher; 10.0% have a Bachelor Degree or higher.

Total Population over 16 years of age: 60.6% are in the Labor Force; 56.1% commute to work; Mean travel time to work is 27.6 minutes.

The racial makeup of the School District in 2000 was 98.45% White, 0.23% African American, 0.18% Native American, 0.46% Asian, 0.03% Pacific Islander, 0.13% Other Races, and 0.54% from two or more races. Hispanic or Latino of any race were 0.54% of the population.

# DISTRICT OVERVIEW

## School District Buildings

The Elementary School program (grades K-4) consists of East Penn Elementary School, Franklin Elementary School, Mahoning Elementary School, and Shull-David Elementary School.

The Secondary School program consists of the Lehighton Area Middle School (grades 5-8); also the Lehighton Area High School (grades 9-12).

Other School District facilities include: District Administration Building, and the Lehighton Area Stadium with Field House located at the Middle School site.

**Table 1** profiles the School District Buildings. Refer to Map 1 for a geographic illustration of the School District.

| **TABLE 1 Lehighton Area SD Buildings** | Grade Levels | 2013-14 Student Enrollment | Architectural Area (SF) | Site Size Acres | Construction / Renovation (Bid) Dates |
|---|---|---|---|---|---|
| East Penn Elementary | K-4 | 147 | 24,270 | 12.65 | 1954, A&A 1991 (Bid) *PlanCon Eligibility: Yes* |
| Franklin Elementary | K-4 | 271 | 39,915 | 25.5 | 1954, A&A 1992 (Bid) *PlanCon Eligibility: Yes* |
| Mahoning Elementary | K-4 | 225 | 28,470 | 7.13 | 1954, A&A 1991 (Bid) *PlanCon Eligibility: Yes* |
| Shull-David Elementary | K-4 | 298 | 38,515 | 3.63 | 1959, A&A 1993 (Bid) *PlanCon Eligibility: 2013* |
| Lehighton Area M.S. | 5-8 | 727 | 118,450 | 17 * | 1964, A&A 1993 (Bid) *PlanCon Eligibility: 2013* |
| Lehighton Area High School | 9-12 | 701 | 148,940 | 91.52 ** | 1992 (Bid) *PlanCon Eligibility: Yes* |
| District Administration Bldg. | N/A | N/A | 17,330 | 91.52 ** | 1995 (Bid) *PlanCon Eligibility: 2015* |
| Stadium / Field House | N/A | N/A | 3,910 | 17 * | |

* Shared Site ** Share Site

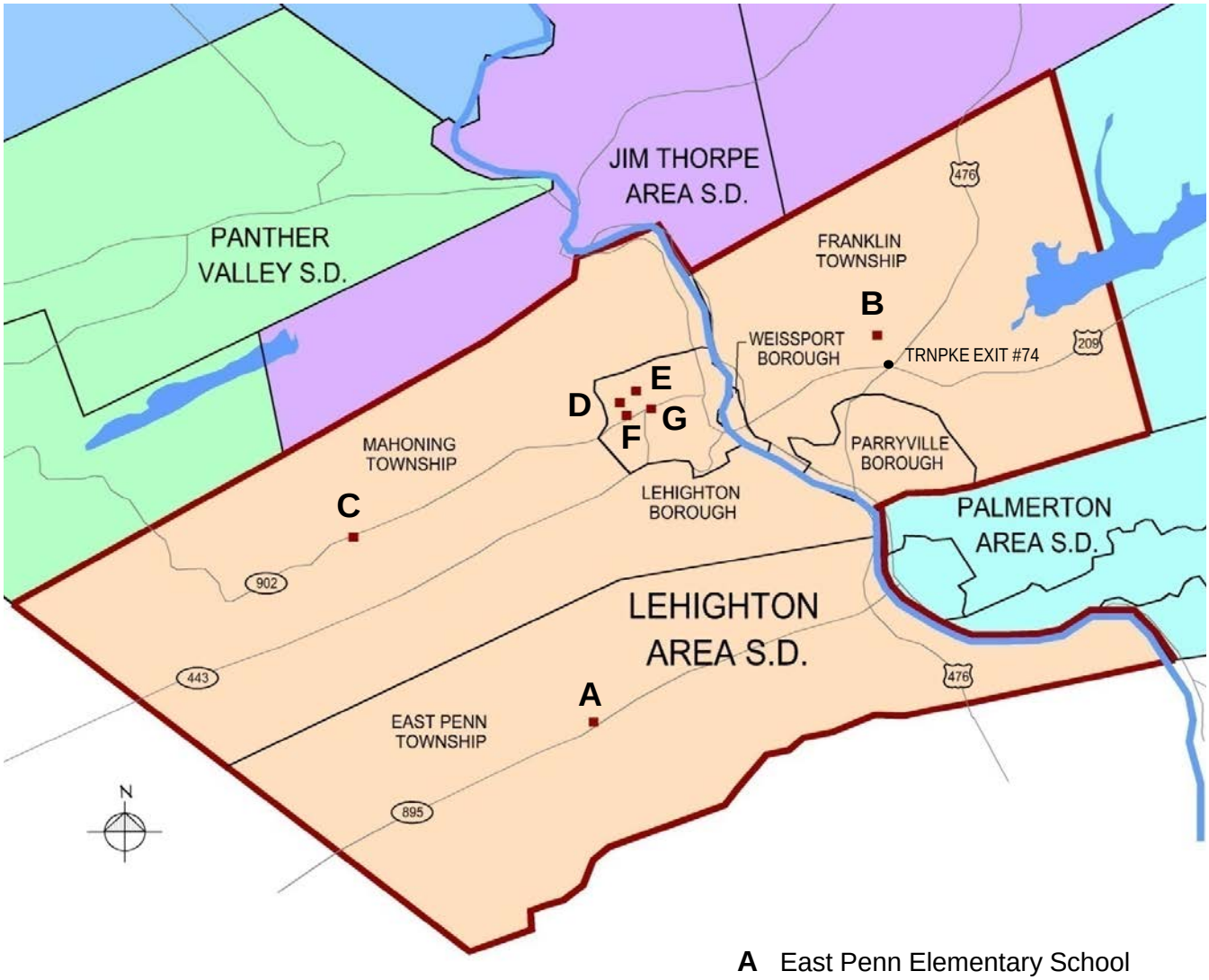
## School Board of Directors

The Board of School Directors is made up of nine members. The nine directors are elected from the District's residents as a whole. Elections are held in alternate years in accordance with law. Director's terms last four years. The superintendent is the chief administrative officer of the School District, with overall responsibility for all aspects of operations, including education, finance and facility planning. The business administrator is responsible for budget and financial operations. Both of these officials are selected by the Board of School Directors.

## DISTRICT OVERVIEW

### Lehighton Area School District - District Map

**Map 1** illustrates the Lehighton Area School District. Map source is the U.S. Census.




**A** East Penn Elementary School

**B** Franklin Elementary School

**C** Mahoning Elementary School

**D** Shull-David Elementary School

**E** Lehighton Area Middle School

**F** Lehighton Area High School

**G** District Administration Building

# DISTRICT OVERVIEW

## Geography

The School District is located just north of the Blue Mountain range extending along the Lehigh River in the Southern section of Carbon County, Pennsylvania. Carbon County is located in Eastern Pennsylvania and is considered part of the Pocono region. The School District stretches West to Schuylkill County and South to Lehigh County. Refer to Maps 1 and 2 for geographic illustrations.

The Lehighton Area School District includes the municipalities of East Penn Township, Franklin Township, Lehighton Borough, Mahoning Township, Parryville Borough and Weissport Borough.

The School District is bounded on the North by Summit Hill Borough of the Panther Valley School District, also Jim Thorpe Borough and Penn Forest Township of the Jim Thorpe Area School District; on the South by Lehigh County; on the East by Towamensing Township, Lower Towamensing Township, Palmerton Borough, and Bowmanton Borough of the Palmerton Area School District; and on the West by Schuylkill County.

The main arteries which traverse the School District include Routes 476 traveling North-South, also Route 209, Route 895, Route 902, Route 443, and Route 248.

## Geographic Population Centers

The School District presently operates four K-4 Elementary Schools, one 5-8 Middle School and one 9-12 High School as well as the District Administration Offices.

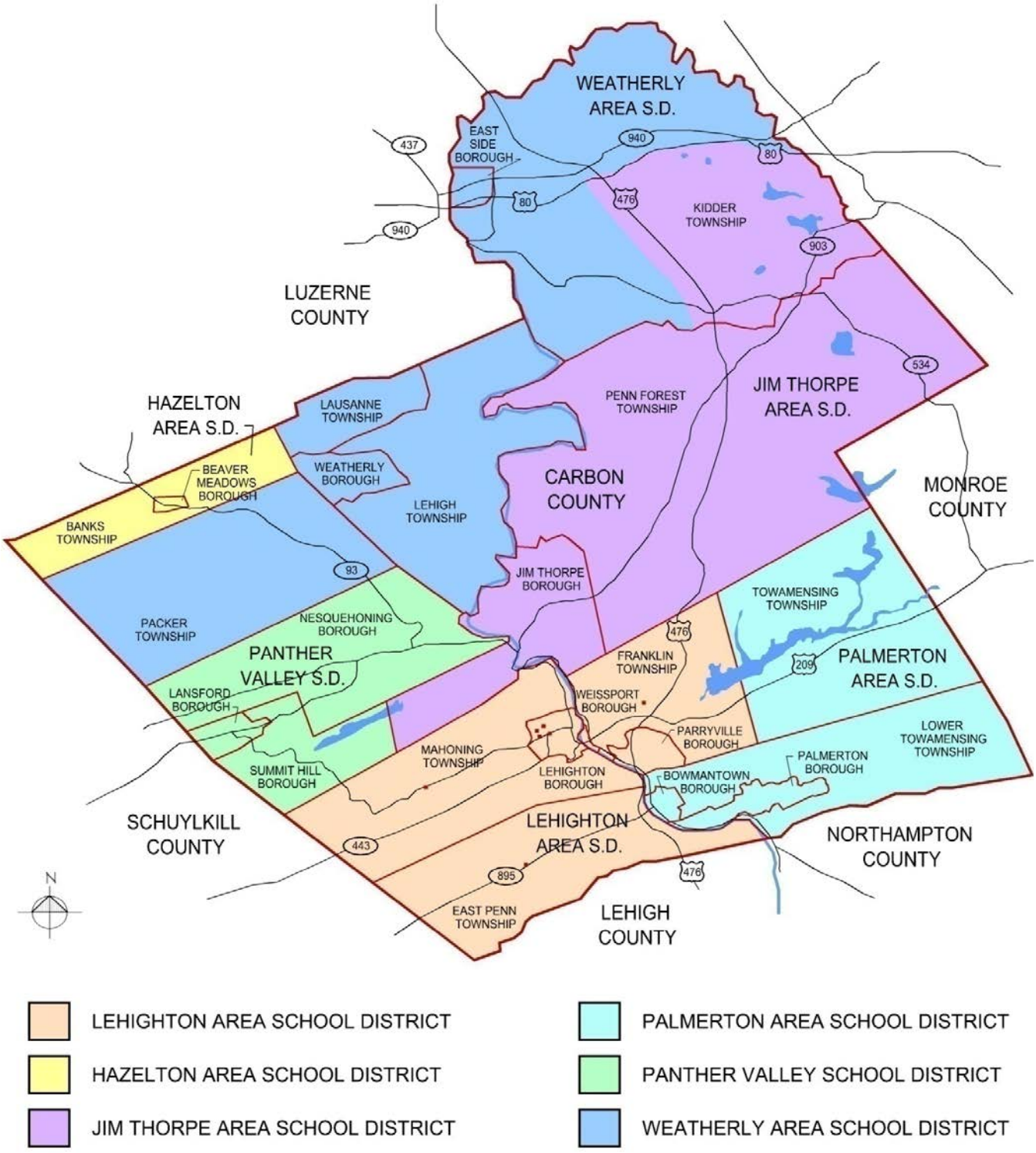
East Penn Elementary School is located in East Penn Township; Franklin Elementary School is located in Franklin Township; Mahoning Elementary School is located in Mahoning Township; and Shull-David Elementary School as well as Lehighton Area Middle School, Lehighton Area High School, and the District Administration Building, are located in Lehighton Borough.

Elementary School attendance is divided among the four Elementary Schools, while the Middle School and High School encompass attendance from the School District as a whole.

# DISTRICT OVERVIEW

## Carbon County School Districts - County Map

**Map 2** illustrates the School Districts located in Carbon County. Map source is the U.S. Census.



## DISTRICT OVERVIEW

### Population

The Population age percentages based on the 2000 U.S. Census for the School District are as follows: 5% of residents are Pre-school age children 0 to 4 years; 16% of residents are School age children 5 to 17 years; 60% of residents are Adults age 18 to 64 years; and 18% of residents are Adults age 65+ years.

**Table 2** profiles the School District population and percentages by age groupings. The Data is based on the 2000 U.S. Census.

| **TABLE 2 Population** | Number of Residents | Percentage of Residents |
|---|---|---|
| Pre-school children 0 to 4 years | 885 | 5% |
| School age children 5 to 17 years | 2,785 | 16% |
| Adults 18 to 64 years | 10,363 | 60% |
| Adults 65+ years | 3,098 | 18% |
| **School District Total** | **17,131** | **100%** |

### Population Density

The School District serves an approximate population of 17,131 residents within 64.9 square miles, and the land use is varied, with the majority of the population residing in Urban classified areas. The approximate average Population Density of the School District is 264 persons per square mile, while the Household Average Density is 115 households per square mile.

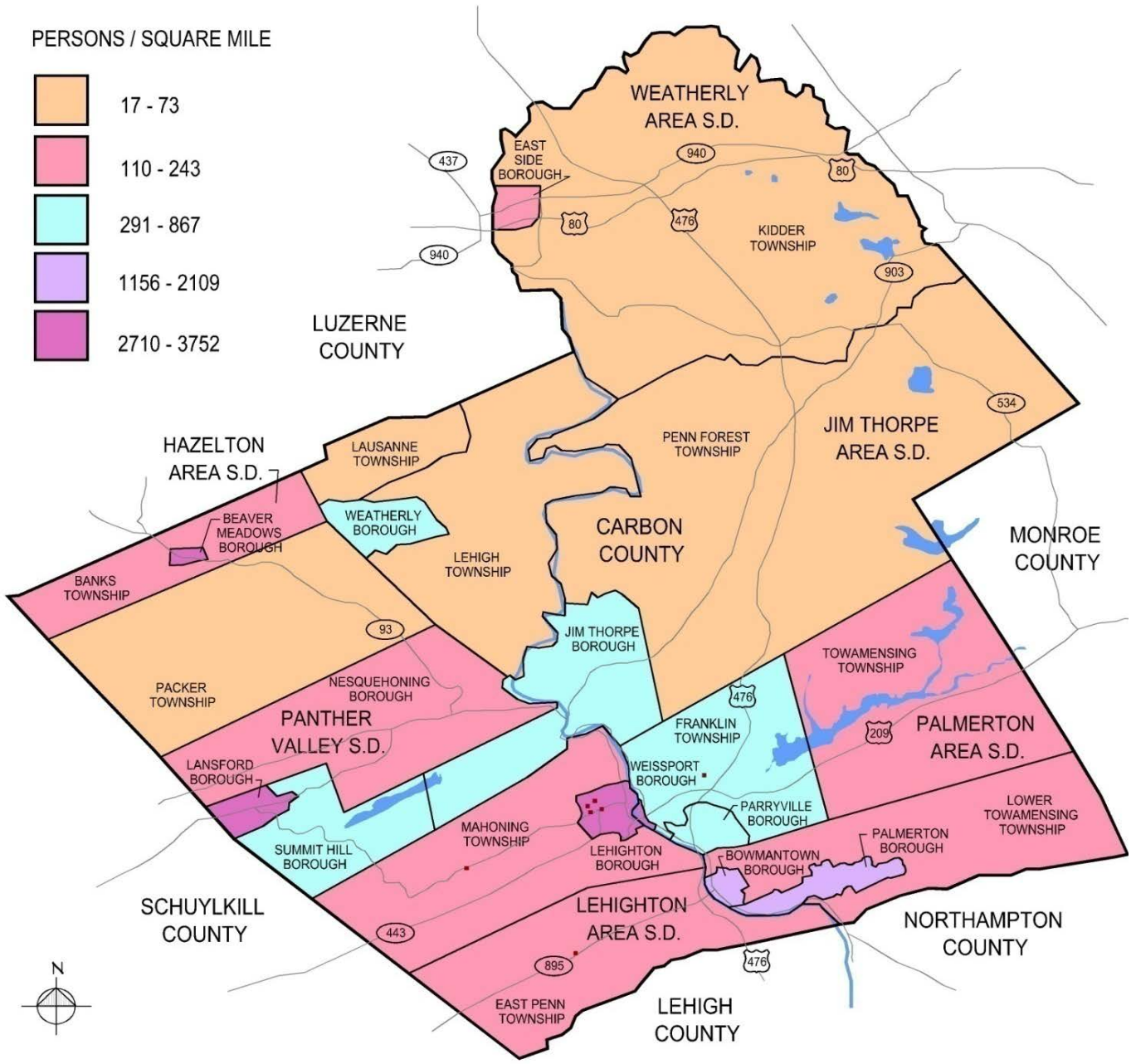
**Table 3** profiles the population density of each municipality. The Data is based on the 2000 U.S. Census. Refer to Map 3 for a graphic illustration of the Carbon County Population Density.

| **TABLE 3 Population Density** | Total Area sq. mi. | Number of Residents | Number of Households | No. of Housing Units | Population Density per sq. mi. | Household Avg. Density per sq. mi. |
|---|---|---|---|---|---|---|
| East Penn Township | 22.50 | 2,461 | 947 | 996 | 109.4 | 42.1 |
| Franklin Township | 15.10 | 4,243 | 1,671 | 1,819 | 281.0 | 110.7 |
| Lehighton Borough | 1.80 | 5,537 | 2,362 | 2,546 | 3,076.1 | 1,312.2 |
| Mahoning Township | 23.70 | 3,978 | 1,543 | 1,693 | 167.8 | 65.1 |
| Parryville Borough | 1.60 | 478 | 189 | 222 | 298.8 | 118.1 |
| Weissport Borough | 0.20 | 434 | 176 | 196 | 2,170.0 | 880.0 |
| **School District Total** | **64.90** | **17,131** | **6,888** | **7,472** | **264** | **115** |

## DISTRICT OVERVIEW

### Carbon County Population Density - County Map

**Map 3** illustrates the Carbon County Population per square mile. Map source is the 2000 U.S. Census.



# DISTRICT OVERVIEW

## Population Distribution by Rural and Urban Land Use

The majority of the School District's population lives in Urban classified areas.

54.4% of the School District's population is classified as Urban and 45.6% of the School District's population is classified as Rural.

56.0% of the School District's Housing Units are classified as Urban and 44.0% of the School District's Housing Units are classified as Rural.

**Table 4** profiles the Number and Percentage totals of existing land use in the following catagories: Urban and Rural for Population and Housing Units. Definitions of Urban and Rural are listed below. The Data is based on the 2000 U.S. Census. Refer to Map 4 for a graphic illustration of the Carbon County Existing Land Use.

| **TABLE 4**<br><br>**Urban & Rural Population Land Use** | Total Population | Total Housing Units | Urban Inside Urbanized Areas | | Rural | |
|---|---|---|---|---|---|---|
| | | | Population | Housing Units | Population | Housing Units |
| East Penn Township | 2,461 | 996 | 151 | 60 | 2,310 | 936 |
| Franklin Township | 4,243 | 1,819 | 2,103 | 909 | 2,140 | 910 |
| Lehighton Borough | 5,537 | 2,546 | 5,537 | 2,546 | 0 | 0 |
| Mahoning Township | 3,978 | 1,693 | 821 | 335 | 3,157 | 1,358 |
| Parryville Borough | 478 | 222 | 281 | 138 | 197 | 84 |
| Weissport Borough | 434 | 196 | 434 | 196 | 0 | 0 |
| **School District Total** | **17,131** | **7,472** | **9,327** | **4,184** | **7,804** | **3,288** |
| **School District % Total** | | | **54.4%** | **56.0%** | **45.6%** | **44.0%** |

The 2000 U.S. Census introduced a new definition of Urban. The U.S. Census Bureau classifies as urban all territory, population, and housing units located within urbanized areas (UAs) and urban clusters (UCs). An urbanized area (UA) consists of densely settled territory that contains 50,000 or more people. An urban cluster (UC) consists of densely settled territory that has at least 2,500 people but fewer than 50,000 people.

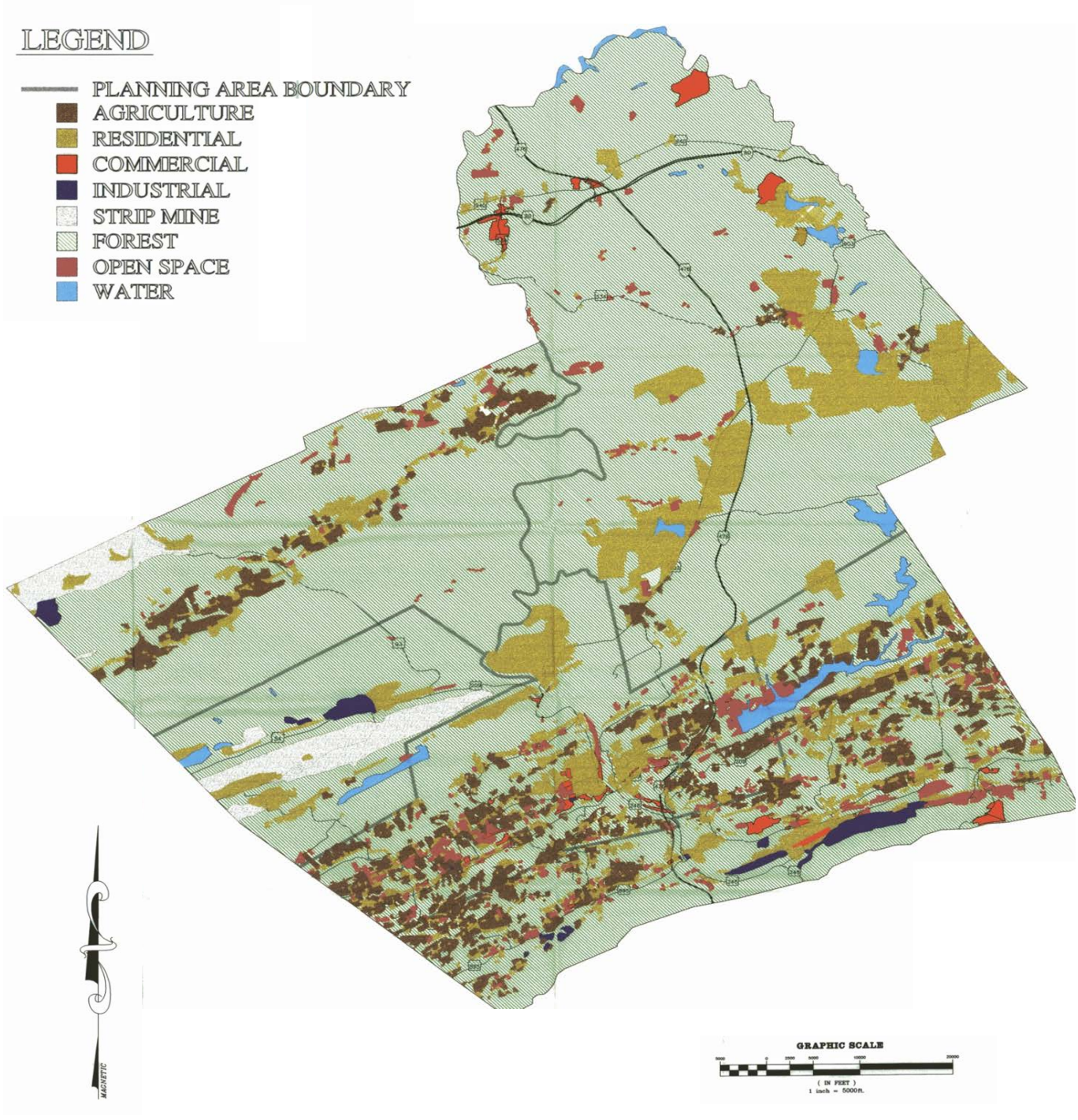
*Urban* delineates UA and UC boundaries to encompass densely settled territory, which generally consists of: A cluster of one or more block groups or census blocks each of which has a population density of at least 1,000 people per square mile at the time; and Surrounding block groups and census blocks each of which has a population density of at least 500 people per square mile at the time; and Less densely settled blocks that form enclaves or indentations, or are used to connect discontiguous areas with qualifying densities.

*Rural* consists of all territory, population, and housing units located outside of UAs and UCs.

# DISTRICT OVERVIEW

## Carbon County Existing Land Use - County Map

**Map 4** illustrates the Existing Land Use in Carbon County. Map source is the Carbon County Comprehensive Plan. Carbon County is approximately 387 square miles in area. The land use categories of Carbon County's total land area are listed below.



## DISTRICT OVERVIEW

### Housing Characteristics

**Tables 5-6 profile the Housing Characteristics of each Municipality that comprise the Lehighton Area School District. The Data is based on the 2000 U.S. Census.**

**Table 5** profiles the Year that Housing Structures were built in the School District and by each Municipality. The data represents Total Housing Units including occupied and unoccupied units.

| TABLE 5<br>Year<br>Structure Built | 1959<br>or<br>Earlier | 1960<br>to<br>1969 | 1970<br>to<br>1979 | 1980<br>to<br>1989 | 1990<br>to<br>1994 | 1995<br>to<br>March 2000 |
|---|---|---|---|---|---|---|
| East Penn Township | 321 | 77 | 223 | 146 | 98 | 126 |
| Franklin Township | 708 | 174 | 320 | 291 | 151 | 171 |
| Lehighton Borough | 1958 | 135 | 207 | 199 | 18 | 29 |
| Mahoning Township | 806 | 212 | 318 | 175 | 121 | 66 |
| Parryville Borough | 161 | 19 | 23 | 7 | 3 | 13 |
| Weissport Borough | 180 | 2 | 6 | 3 | 3 | 2 |
| **School District Total** | **4,134** | **619** | **1,097** | **821** | **394** | **407** |
| **School District % Total** | **55.3%** | **8.3%** | **14.7%** | **11.0%** | **5.3%** | **5.4%** |

**Table 6** profiles the Year that the Householder moved into the Housing Unit in the School District and by each Municipality. The data represents Total Occupied Housing Units.

| TABLE 6<br>Year Householder<br>Moved into Unit | 1969<br>or<br>Earlier | 1970<br>to<br>1979 | 1980<br>to<br>1989 | 1990<br>to<br>1994 | 1995<br>to<br>1998 | 1999<br>to<br>March 2000 |
|---|---|---|---|---|---|---|
| East Penn Township | 131 | 187 | 211 | 142 | 181 | 94 |
| Franklin Township | 286 | 330 | 284 | 257 | 319 | 195 |
| Lehighton Borough | 526 | 300 | 385 | 208 | 590 | 353 |
| Mahoning Township | 321 | 283 | 285 | 225 | 307 | 123 |
| Parryville Borough | 49 | 24 | 34 | 18 | 44 | 22 |
| Weissport Borough | 21 | 18 | 37 | 23 | 45 | 30 |
| **School District Total** | **1,334** | **1,142** | **1,236** | **873** | **1,486** | **817** |
| **School District % Total** | **19.4%** | **16.6%** | **17.9%** | **12.7%** | **21.6%** | **11.9%** |

# DISTRICT OVERVIEW

## Economic Characteristics

**Tables 7-8 profile the Economic Characteristics of each Municipality that comprise the Lehighton Area School District. The Data is based on the 2000 U.S. Census.**

**Table 7** profiles Median Household Income, Median Family Income, Per Capita Income, the percentage of Families and Individuals below the Poverty Level, also the Median House Value.

| TABLE 7 Economic Characteristics | Median Household Income | Median Family Income | Per Capita Income | % Below Poverty Level | | Median House Value |
|---|---|---|---|---|---|---|
| | | | | Family | Population | |
| East Penn Township | $42,047 | $47,446 | $17,545 | 1.0% | 3.4% | $110,100 |
| Franklin Township | $43,106 | $50,323 | $19,166 | 2.6% | 4.3% | $112,100 |
| Lehighton Borough | $28,566 | $35,673 | $14,861 | 10.8% | 14.3% | $71,900 |
| Mahoning Township | $35,212 | $43,897 | $17,330 | 8.6% | 10.5% | $104,300 |
| Parryville Borough | $33,958 | $37,917 | $15,409 | 1.6% | 6.2% | $80,400 |
| Weissport Borough | $30,139 | $37,188 | $13,785 | 11.0% | 14.2% | $59,300 |
| **School Dist. Average** | **$35,505** | **$42,074** | **$16,349** | **6.5%** | **8.9%** | **$89,683** |

**Table 8** profiles the Occupation of employed civilian population age 16 years and over.

| TABLE 8 Occupation | Managemt. & Professional | Service Occupations | Sales & Office | Farming, Fishing & Forestry | Construct., Extraction & Mainten. | Production, Transport. & Mat'l Moving |
|---|---|---|---|---|---|---|
| East Penn Township | 283 | 116 | 278 | 8 | 123 | 340 |
| Franklin Township | 596 | 314 | 498 | 0 | 290 | 484 |
| Lehighton Borough | 399 | 357 | 450 | 0 | 241 | 801 |
| Mahoning Township | 457 | 337 | 514 | 13 | 248 | 347 |
| Parryville Borough | 39 | 34 | 51 | 0 | 39 | 78 |
| Weissport Borough | 19 | 31 | 45 | 0 | 20 | 77 |
| **School District Total** | **1,793** | **1,189** | **1,836** | **21** | **961** | **2,127** |
| **School District % Total** | **12.9%** | **8.5%** | **13.2%** | **0.2%** | **6.9%** | **15.3%** |

# DISTRICT OVERVIEW

## Population Characteristics

**The following data profiles Population Characteristics of each Municipality that comprise the Lehighton Area School District. The Data is based on the 2000 U.S. Census.**

| | |
|---|---|
| Total population: | 48.8% Male<br>51.2% Female |
| Population over 25 years of age: | 75.8% have a High School Degree or higher<br>10.0% have a Bachelor Degree or higher |
| Population over 16 years of age: | 60.6% are in the Labor Force<br>56.1% commute to work<br>Mean travel time to work is 27.6 minutes |

The racial makeup of the School District in 2000 was 98.45% White, 0.23% African American, 0.18% Native American, 0.46% Asian, 0.03% Pacific Islander, 0.13% Other Races, and 0.54% from two or more races. Hispanic or Latino of any race were 0.54% of the population.

**Table 9** profiles the General Characteristics of each Municipality based on the 2000 U.S. Census.

| **TABLE 9 General Characteristics** | Total Popul. | Male Popul. | Female Popul. | 25+ High Degree or Higher | 25+ Bachelor Degree or Higher | Popul. 16+ in Labor Force | Popul. 16+ Travel to Work | Mean Travel Time to Work |
|---|---|---|---|---|---|---|---|---|
| East Penn Township | 2,461 | 1,216 | 1,245 | 1,366 | 156 | 1,229 | 1,123 | 32.1 |
| Franklin Township | 4,243 | 2,133 | 2,110 | 2,489 | 452 | 2,273 | 2,141 | 32.4 |
| Lehighton Borough | 5,537 | 2,578 | 2,959 | 2,746 | 256 | 2,436 | 2,224 | 21.5 |
| Mahoning Township | 3,978 | 1,954 | 2,024 | 2,230 | 332 | 2,023 | 1,892 | 27.4 |
| Parryville Borough | 478 | 249 | 229 | 256 | 14 | 250 | 233 | 24.4 |
| Weissport Borough | 434 | 222 | 212 | 189 | 9 | 214 | 190 | 27.5 |
| **School District Total** | **17,131** | **8,352** | **8,779** | **9,276** | **1,219** | **8,425** | **7,803** | **27.6** |
| **School Dist. % Total** | **100%** | **48.8%** | **51.2%** | **75.8%** | **10.0%** | **60.6%** | **56.1%** | |

# PART II
# DEMOGRAPHICS

# DEMOGRAPHIC EXPLORATION INTRODUCTION

This section of the Feasibility Study is divided into two parts. Part A explores demographic data for the *General Population and the resulting effects on the Student Population* of the Lehighton Area School District including: Population Information; Household Information; Housing Unit Developments; and Live Birth Data. Part B explores demographic data that focuses on the *Student Population* of the School District including: Projected Student Enrollment Data; Building Capacity Data; Student Enrollment vs. Building Capacity Data; as well as Educational Program Information.

Demographic projections are the basis for making decisions concerning the establishment of facilities, both existing and new. Recognizing that the intent of a school district's physical plan is to house students for the purpose of education, appropriate criteria must be used to determine those projections. Student enrollment projections for this study were supplied by the Department of Education, the School District, and EI Associates. This data also was used to generate future building requirements.

The Projected Student Enrollment Tables show the student enrollment projections by grade level, by grade grouping, and by year. Future student enrollment has been computed from known live births and interpolated, where necessary, using the cohort survival methodology. The cohort survival method has a record of reliability in relatively stable districts (what has occurred in the past will, to a large extent, continue to occur). However, changes can occur in birth trends, in-migration patterns, internal policies, economic climate, zoning and land use controls, infrastructure considerations, and interest rates that may affect projections. Thus, influencing factors must be monitored and analyzed every year by the school district. Significant changes, therefore, can be quickly identified and appropriate adjustments made.

It is not only the number of students that affects the capability of adequate facilities. The educational program also must be analyzed. Other factors that may affect the ability of the existing facilities to meet the needs of the educational program are:

1. Full-day kindergarten / Pre-Kindergarten
2. Grade groupings to remain
3. Future trends in special education
4. Trends in technology-based education
5. Desired classroom size as noted in study

# DEMOGRAPHIC EXPLORATION SUMMARY PART A

## General and Student Population

### Population

The following data, based on the 1990 and 2000 U.S. Census, illustrates a net increase in the Total Population as well as Adults age 18-64 years and Adults ages 65+ years; and a net decrease in Pre-school age children 0-4 years and School age children 5-17 years.

### Households

The following data, based on the 1990 and 2000 U.S. Census, illustrates a net increase in the Total Housing Units as well as Occupied Housing Units, Owner Occupied Units, Renter Occupied Units and Vacant Housing Units. The Tables illustrate a net decrease in Persons Per Household.

### Housing Unit Developments

There is the potential availability of land for development within the School District. Available Data for Housing Unit Developments collected from the municipalities illustrates a modest amount of planned development within the School District.

### Live Birth Data

The Live Birth Data, based on information from the Pennsylvania Department of Education, illustrates a net increase in the number of children entering Kindergarten and First Grade compared to the number of Births.

### Students not included in enrollment projections

In 2008-2009, a Total of 339 students were not attending District Schools. 61 students attend Vo-Tech school; 105 students attend private schools; 42 students are special needs and special education students placed outside the District; 65 students attend other facilities; 19 are home schooled students; and 47 are Charter / Cyber School students.

# DEMOGRAPHIC EXPLORATION SUMMARY PART A

## General and Student Population

## Students per Household

In 2000, there were 2,785 School age children residing in the School District with 2,494 children or 90% attending the Lehighton Area School District and 291 children or 10% not attending the District Schools.

In 2000, the percentage of School age children per Total Housing Units was 0.37, while the percentage of Students per Total Housing Units attending the Lehighton Area School District was 0.33.

Based on current available housing data, the percentage of Students per Total Housing Units attending the Lehighton Area School District for the 2009-10 School year was 0.31.

## Data Summary

There has been an increase in the Total Population and Total Housing Units, however, the Pre-school age children 0-4 years and School age children 5-17 years, as well as, the number of Persons per Household and Students per Household has decreased. The increase in Total Housing Units is indicating that while the district is experiencing growth, it is also experiencing an aging population.

There is a modest potential for population growth within the School District by both new Housing Unit Developments and the current vacant housing units.

## Assumptions

Available Data for Housing Unit Developments collected from the municipalities illustrates approximately 501 potential new Housing Units. There also are approximately 584 Vacant Housing Units. Given the current rate of 0.31 students per household attending the District Schools, this would approximately equate to an additional 155 *students* in new Housing Units. If half of the Vacant Housing Units also are occupied, then given the current rate of 0.31 students per household attending the District Schools, this would approximately equate to an additional *95 students* in the Vacant Housing Units.

### Ten year Assumption

Given the assumption that the timeframe for the additional students is ten years that would equate to approximately 250 students / 10 years. Therefore, an additional *25 students per year* would attend the District Schools.

### Five year Assumption

Given the assumption that the timeframe for the additional students is five years that would equate to approximately 250 students / 5 years. Therefore, an additional *50 students per year* would attend the District Schools.

## Population Information

**Tables 10-16 profile the Population of each Municipality that comprise the Lehighton Area School District. The Data is based on the U.S. Census. The Tables illustrate a net increase in the Total Population as well as Adults age 18-64 years and Adults ages 65+ years. The Tables illustrate a net decrease in Pre-school age children 0-4 years and School age children 5-17 years. The 2000 Census data indicates that the median age is 40.0.**

**Table 10** profiles data from the 1990 Census and **Table 11** profiles data from the 2000 Census. The Tables profile Total Population as well as various age groupings including: Pre-school age children 0-4 years; School age children 5-17 years; Adults age 18-64 years; and Adults age 65+ years.

| **TABLE 10 1990 U.S. Census** | Total Population | Age 0-4 Yrs. | Age 5-17 Yrs. | Age 18-64 Yrs. | Age 65+ Yrs. | |
|---|---|---|---|---|---|---|
| East Penn Township | 2,091 | 126 | 387 | 1,336 | 242 | |
| Franklin Township | 3,706 | 245 | 642 | 2,294 | 525 | |
| Lehighton Borough | 5,914 | 388 | 960 | 3,355 | 1,211 | |
| Mahoning Township | 4,198 | 246 | 709 | 2,547 | 696 | |
| Parryville Borough | 488 | 19 | 88 | 294 | 87 | |
| Weissport Borough | 472 | 42 | 78 | 292 | 60 | |
| **School District Total** | **16,869** | **1,066** | **2,864** | **10,118** | **2,821** | |
| **School District % Total** | **100%** | **6%** | **17%** | **60%** | **17%** | |

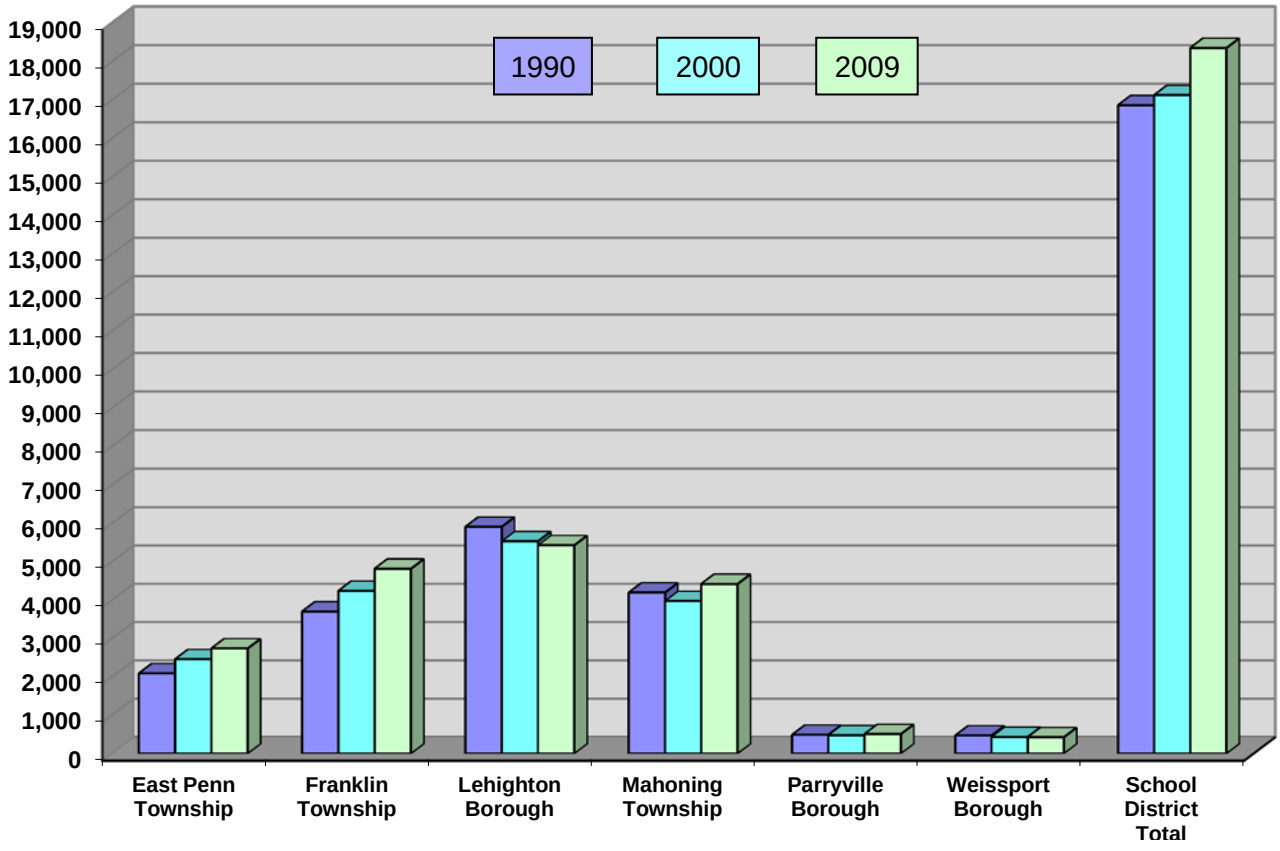
| **TABLE 11 2000 U.S. Census** | Total Population | Age 0-4 Yrs. | Age 5-17 Yrs. | Age 18-64 Yrs. | Age 65+ Yrs. | Median Age |
|---|---|---|---|---|---|---|
| East Penn Township | 2,461 | 106 | 427 | 1,556 | 372 | 41.3 |
| Franklin Township | 4,243 | 236 | 671 | 2,717 | 619 | 40.0 |
| Lehighton Borough | 5,537 | 329 | 920 | 3,117 | 1,171 | 40.1 |
| Mahoning Township | 3,978 | 164 | 625 | 2,373 | 816 | 43.4 |
| Parryville Borough | 478 | 23 | 67 | 317 | 71 | 40.8 |
| Weissport Borough | 434 | 27 | 75 | 283 | 49 | 34.1 |
| **School District Total** | **17,131** | **885** | **2,785** | **10,363** | **3,098** | **40.0** |
| **School District % Total** | **100%** | **5%** | **16%** | **60%** | **18%** | |

## Population Information

**Table 12** profiles the Total population of each municipality for the Census years 1990 and 2000 as well as Population Estimates for the year 2007 (Data Source: U.S. Census). **The overall Total Population shows an increase of 262 persons or 1.6% from 1990 to 2000; and a projected increase of 1,225 persons or 7.2% from 2000 to 2009.**

| TABLE 12<br>Total Population | 1990 Actual Total Popul. | 2000 Actual Total Popul. | Value Change 1990 to 2000 | % Change 1990 to 2000 | 2009 Estim. Total Popul. | Value Change 2000 to 2009 | % Change 2000 to 2009 |
|---|---|---|---|---|---|---|---|
| East Penn Township | 2,091 | 2,461 | 370 | 17.7% | 2,742 | 281 | 11.4% |
| Franklin Township | 3,706 | 4,243 | 537 | 14.5% | 4,822 | 579 | 13.6% |
| Lehighton Borough | 5,914 | 5,537 | -377 | -6.4% | 5,433 | -104 | -1.9% |
| Mahoning Township | 4,198 | 3,978 | -220 | -5.2% | 4,424 | 446 | 11.2% |
| Parryville Borough | 488 | 478 | -10 | -2.0% | 509 | 31 | 6.5% |
| Weissport Borough | 472 | 434 | -38 | -8.1% | 426 | -8 | -1.8% |
| **School District Total** | **16,869** | **17,131** | **262** | **1.6%** | **18,356** | **1,225** | **7.2%** |

**TABLE 12 - CHART A**



## Population Information

**Table 13** profiles the Pre-school age children 0-4 years population of each municipality. Parryville Borough shows an increase in 0-4 years population; while East Penn Township, Franklin Township, Lehighton Borough, Mahoning Township, and Weissport Borough show a decrease in 0-4 years population. **The overall 0-4 years population shows a decrease of 181 children or 16.98%.**

| TABLE 13<br>Age 0-4 Years | 1990<br>0-4 Years | 2000<br>0-4 Years | Value<br>Change | %<br>Change |
|---|---|---|---|---|
| East Penn Township | 126 | 106 | -20 | -15.87% |
| Franklin Township | 245 | 236 | -9 | -3.67% |
| Lehighton Borough | 388 | 329 | -59 | -15.21% |
| Mahoning Township | 246 | 164 | -82 | -33.33% |
| Parryville Borough | 19 | 23 | 4 | 21.05% |
| Weissport Borough | 42 | 27 | -15 | -35.71% |
| **School District Total** | **1,066** | **885** | **-181** | **-16.98%** |

**Table 14** profiles the School age children 5-17 years population of each municipality. East Penn Township and Franklin Township show an increase in 5-17 years population; while Lehighton Borough, Mahoning Township, Parryville Borough, and Weissport Borough show a decrease in 5-17 years population. **The overall 5-17 years population shows a decrease of 79 children or 2.76%**.

| TABLE 14<br>Age 5-17 Years | 1990<br>5-17 Years | 2000<br>5-17 Years | Value<br>Change | %<br>Change |
|---|---|---|---|---|
| East Penn Township | 387 | 427 | 40 | 10.34% |
| Franklin Township | 642 | 671 | 29 | 4.52% |
| Lehighton Borough | 960 | 920 | -40 | -4.17% |
| Mahoning Township | 709 | 625 | -84 | -11.85% |
| Parryville Borough | 88 | 67 | -21 | -23.86% |
| Weissport Borough | 78 | 75 | -3 | -3.85% |
| **School District Total** | **2,864** | **2,785** | **-79** | **-2.76%** |

## Population Information

**Table 15** profiles the Adults age 18-64 years population of each municipality. East Penn Township, Franklin Township, and Parryville Borough show an increase in 18-64 years population; while Lehighton Borough, Mahoning Township and Weissport Borough show a decrease in 18-64 years population. **The overall 18-64 years population shows an increase of 245 Adults or 2.42%.**

| TABLE 15<br>Age 18-64 Years | 1990<br>18-64 Years | 2000<br>18-64 Years | Value<br>Change | %<br>Change |
|---|---|---|---|---|
| East Penn Township | 1,336 | 1,556 | 220 | 16.47% |
| Franklin Township | 2,294 | 2,717 | 423 | 18.44% |
| Lehighton Borough | 3,355 | 3,117 | -238 | -7.09% |
| Mahoning Township | 2,547 | 2,373 | -174 | -6.83% |
| Parryville Borough | 294 | 317 | 23 | 7.82% |
| Weissport Borough | 292 | 283 | -9 | -3.08% |
| **School District Total** | **10,118** | **10,363** | **245** | **2.42%** |

**Table 16** profiles the Adults age 65+ years population of each municipality. East Penn Township, Franklin Township, and Mahoning Township show an increase in 65+ years population; while Lehighton Borough, Parryville Borough, and Weissport Borough show a decrease in **65+ years population**. **The overall 65+ years population shows an increase of 277 Adults or 9.82%.**

| TABLE 16<br>Age 65+ Years | 1990<br>65+ Years | 2000<br>65+ Years | Value<br>Change | %<br>Change |
|---|---|---|---|---|
| East Penn Township | 242 | 372 | 130 | 53.72% |
| Franklin Township | 525 | 619 | 94 | 17.90% |
| Lehighton Borough | 1,211 | 1,171 | -40 | -3.30% |
| Mahoning Township | 696 | 816 | 120 | 17.24% |
| Parryville Borough | 87 | 71 | -16 | -18.39% |
| Weissport Borough | 60 | 49 | -11 | -18.33% |
| **School District Total** | **2,821** | **3,098** | **277** | **9.82%** |

## Household Information

**Tables 17-24 profile the Household data of each Municipality that comprise the Lehighton Area School District. The Data is based on the U.S. Census. The Tables illustrate a net increase in the Total Housing Units as well as Occupied Housing Units, Owner Occupied Units, Renter Occupied Units and Vacant Housing Units. The Tables illustrate a net decrease in Persons Per Household.**

**Table 17** profiles data from the 1990 Census and **Table 18** profiles data from the 2000 Census. The Tables profile the Total Housing Units and Occupied Housing Units, as well as Owner Occupied Units, Renter Occupied Units, Vacant Housing Units and Persons Per Household.

| **TABLE 17 Housing Units 1990 U.S. Census** | Total Housing Units | Occupied Housing Units | Owner Occupied Units | Renter Occupied Units | Vacant Housing Units | Persons Per Household |
|---|---|---|---|---|---|---|
| East Penn Township | 775 | 747 | 667 | 80 | 28 | 2.78 |
| Franklin Township | 1,442 | 1,346 | 1,109 | 237 | 96 | 2.73 |
| Lehighton Borough | 2,469 | 2,368 | 1,394 | 974 | 101 | 2.46 |
| Mahoning Township | 1,617 | 1,503 | 1,232 | 271 | 114 | 2.68 |
| Parryville Borough | 202 | 179 | 142 | 37 | 23 | 2.61 |
| Weissport Borough | 193 | 189 | 98 | 91 | 4 | 2.5 |
| **School District Total** | **6,698** | **6,332** | **4,642** | **1,690** | **366** | **2.63** |

| **TABLE 18 Housing Units 2000 U.S. Census** | Total Housing Units | Occupied Housing Units | Owner Occupied Units | Renter Occupied Units | Vacant Housing Units | Persons Per Household |
|---|---|---|---|---|---|---|
| East Penn Township | 996 | 947 | 836 | 111 | 49 | 2.59 |
| Franklin Township | 1,819 | 1,671 | 1,395 | 276 | 148 | 2.54 |
| Lehighton Borough | 2,546 | 2,362 | 1,303 | 1,059 | 184 | 2.31 |
| Mahoning Township | 1,693 | 1,543 | 1,291 | 252 | 150 | 2.47 |
| Parryville Borough | 222 | 189 | 153 | 36 | 33 | 2.53 |
| Weissport Borough | 196 | 176 | 88 | 88 | 20 | 2.47 |
| **School District Total** | **7,472** | **6,888** | **5,066** | **1,822** | **584** | **2.49** |

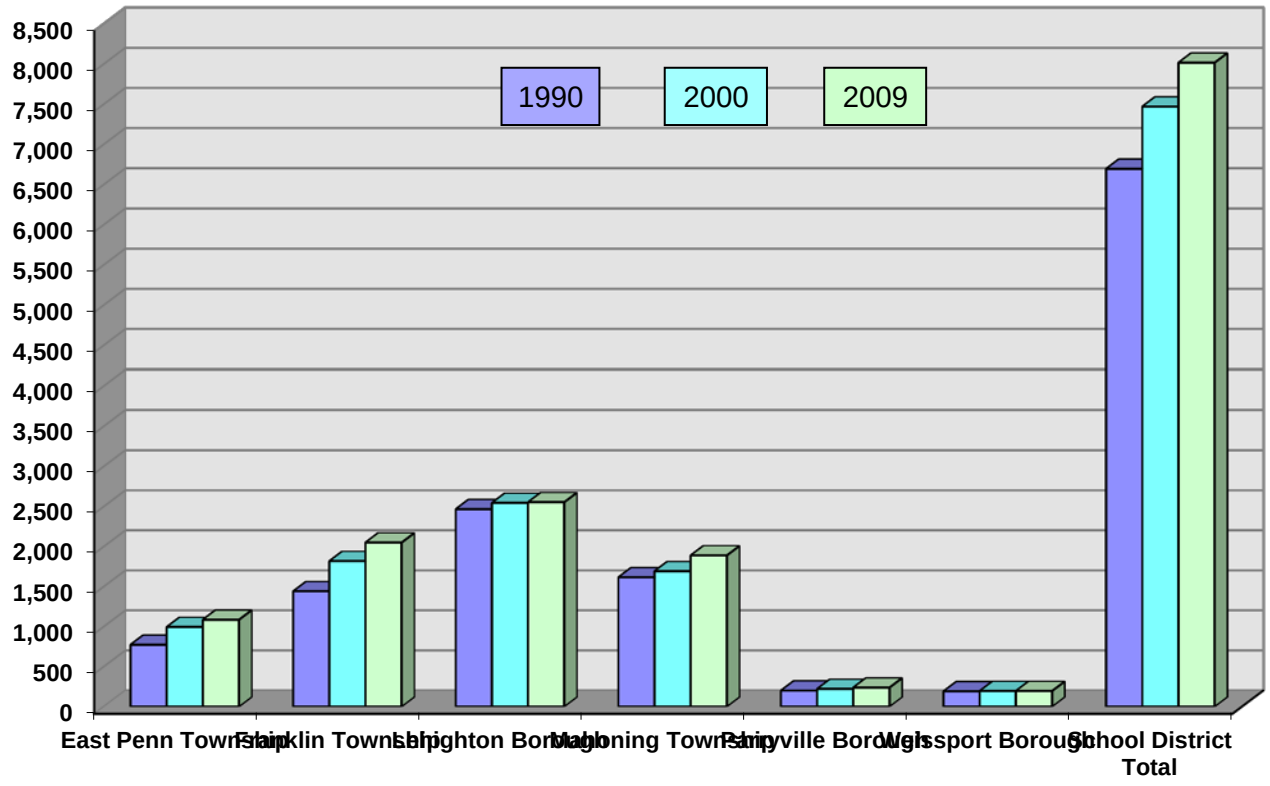
## Household Information

**Table 19** profiles the Total Housing Units of each municipality for the Census years 1990 and 2000; as well as Housing Units built since 2000 by data collected from the municipalities. **The overall Total Housing Units shows an increase of 774 units or 11.56% from 1990 to 2000; and an increase of 546 units or 7.31% from 2000 to 2009.**

| TABLE 19<br>Total Housing Units | 1990 Total Housing Units | 2000 Total Housing Units | Value Change 1990 to 2000 | % Change 1990 to 2000 | 2009 Total Housing Units | Value Change 2000 to 2008 | % Change 2000 to 2008 |
|---|---|---|---|---|---|---|---|
| East Penn Township * | 775 | 996 | 221 | 28.52% | 1,087 | 91 | 9.14% |
| Franklin Township | 1,442 | 1,819 | 377 | 26.14% | 2,051 | 232 | 12.75% |
| Lehighton Borough | 2,469 | 2,546 | 77 | 3.12% | 2,555 | 9 | 0.35% |
| Mahoning Township | 1,617 | 1,693 | 76 | 4.70% | 1,890 | 197 | 11.64% |
| Parryville Borough | 202 | 222 | 20 | 9.90% | 239 | 17 | 7.66% |
| Weissport Borough | 193 | 196 | 3 | 1.55% | 196 | 0 | 0.00% |
| **School District Total** | **6,698** | **7,472** | **774** | **11.56%** | **8,018** | **546** | **7.31%** |

* Housing information was not received from respective municipality, source U.S. Census

**TABLE 19 - CHART A**



## Household Information

**Table 20** profiles the Occupied Housing Units of each municipality. East Penn Township, Franklin Township, Mahoning Township, and Parryville Borough show an increase of occupied Housing Units; while Lehighton Borough and Weissport Borough show a decrease of Occupied Housing Units. **The overall Occupied Housing Units shows an increase of 556 units or 8.78%**

| TABLE 20 Occupied Housing Units | 1990 Occupied Housing Units | 2000 Occupied Housing Units | Value Change | % Change |
|---|---|---|---|---|
| East Penn Township | 747 | 947 | 200 | 26.77% |
| Franklin Township | 1,346 | 1,671 | 325 | 24.15% |
| Lehighton Borough | 2,368 | 2,362 | -6 | -0.25% |
| Mahoning Township | 1,503 | 1,543 | 40 | 2.66% |
| Parryville Borough | 179 | 189 | 10 | 5.59% |
| Weissport Borough | 189 | 176 | -13 | -6.88% |
| **School District Total** | **6,332** | **6,888** | **556** | **8.78%** |

**Table 21** profiles the Owner Occupied Units of each municipality. East Penn Township, Franklin Township, Mahoning Township, and Parryville Borough show an increase of Owner Occupied Units; while Lehighton Borough and Weissport Borough show a decrease of Owner Occupied Units. **The overall Owner Occupied Units shows an increase of 424 units or 9.13%.**

| TABLE 21 Owner Occupied Units | 1990 Owner Occupied Units | 2000 Owner Occupied Units | Value Change | % Change |
|---|---|---|---|---|
| East Penn Township | 667 | 836 | 169 | 25.34% |
| Franklin Township | 1,109 | 1,395 | 286 | 25.79% |
| Lehighton Borough | 1,394 | 1,303 | -91 | -6.53% |
| Mahoning Township | 1,232 | 1,291 | 59 | 4.79% |
| Parryville Borough | 142 | 153 | 11 | 7.75% |
| Weissport Borough | 98 | 88 | -10 | -10.20% |
| **School District Total** | **4,642** | **5,066** | **424** | **9.13%** |

## Household Information

**Table 22** profiles the Renter Occupied Units of each municipality. East Penn Township, Franklin Township, and Lehighton Borough show an increase of Renter Occupied Units; while Mahoning Township, Parryville Borough, and Weissport Borough show a decrease of Renter Occupied Units. **The overall Renter Occupied Units shows an increase of 132 units or 7.81%.**

| TABLE 22 Renter Occupied Units | 1990 Renter Occupied Units | 2000 Renter Occupied Units | Value Change | % Change |
|---|---|---|---|---|
| East Penn Township | 80 | 111 | 31 | 38.75% |
| Franklin Township | 237 | 276 | 39 | 16.46% |
| Lehighton Borough | 974 | 1,059 | 85 | 8.73% |
| Mahoning Township | 271 | 252 | -19 | -7.01% |
| Parryville Borough | 37 | 36 | -1 | -2.70% |
| Weissport Borough | 91 | 88 | -3 | -3.30% |
| **School District Total** | **1,690** | **1,822** | **132** | **7.81%** |

**Table 23** profiles the Vacant Housing Units of each municipality. All Municipalites show an increase of Vacant Housing Units. **The overall Vacant Housing Units shows an increase of 218 units or 59.56%.**

| TABLE 23 Vacant Housing Units | 1990 Vacant Housing Units | 2000 Vacant Housing Units | Value Change | % Change |
|---|---|---|---|---|
| East Penn Township | 28 | 49 | 21 | 75.00% |
| Franklin Township | 96 | 148 | 52 | 54.17% |
| Lehighton Borough | 101 | 184 | 83 | 82.18% |
| Mahoning Township | 114 | 150 | 36 | 31.58% |
| Parryville Borough | 23 | 33 | 10 | 43.48% |
| Weissport Borough | 4 | 20 | 16 | 400.00% |
| **School District Total** | **366** | **584** | **218** | **59.56%** |

## Household Information

**Table 24** profiles the Persons Per Household of each municipality. Each Municipality shows a decrease of Persons Per Household. **The Persons Per Household shows a decrease of 0.14 persons or 5.39%.**

| **TABLE 24 Persons Per Household** | 1990 Persons Per Household | 2000 Persons Per Household | Value Change | % Change |
|---|---|---|---|---|
| East Penn Township | 2.78 | 2.59 | -0.19 | -6.83% |
| Franklin Township | 2.73 | 2.54 | -0.19 | -6.96% |
| Lehighton Borough | 2.46 | 2.31 | -0.15 | -6.10% |
| Mahoning Township | 2.68 | 2.47 | -0.21 | -7.84% |
| Parryville Borough | 2.61 | 2.53 | -0.08 | -3.07% |
| Weissport Borough | 2.50 | 2.47 | -0.03 | -1.20% |
| **School District Total** | **2.63** | **2.49** | **-0.14** | **-5.39%** |

## Housing Unit Developments

**Tables 25-30 profile the approved Housing Unit Developments of each Municipality that comprise the Lehighton Area School District. The Data is based on information obtained from the Municipalities.**

**TABLE 25 East Penn Township Approved Subdivision Plans / Developments**

| Development Name / Location | Type / Remarks | Planned Total Units | No. Units Approved Built | Under Constr. | Not Constr. |
|---|---|---|---|---|---|
| None Planned | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| **TOTAL** | | **0** | **0** | **0** | |

**TABLE 26A Franklin Township Approved Subdivision Plans / Developments**

| Development Name / Location | Type / Remarks | Planned Total Units | No. Units Approved Built | Under Constr. | Not Constr. |
|---|---|---|---|---|---|
| Homestead in the Pines | Lots | 12 | 6 | | 6 |
| Heere, Jr. Subdivision | Lot | 1 | | | 1 |
| **TOTAL** | | **13** | **6** | **0** | **7** |

**TABLE 26B Franklin Township Pending / Future Subdivision Plans / Developments**

| Development Name / Location | Type / Remarks | Planned Total Units | No. Units Approved Built | Under Constr. | Not Constr. |
|---|---|---|---|---|---|
| View Crest Estates | | 25 | | | |
| Market Hill Estates | Single Family Homes | 17 | | | |
| Pine View Acres | Lots | 8 | | | |
| Baver Subdivision | Lot | 1 | | | |
| **TOTAL** | | **51** | **0** | **0** | **0** |

## Housing Unit Developments

**TABLE 27 Lehighton Borough Approved Subdivision Plans / Developments**

| Development Name / Location | Type / Remarks | Planned Total Units | No. Units Approved Built | Under Constr. | Not Constr. |
|---|---|---|---|---|---|
| None Planned | | | | | |
| | | | | | |
| **TOTAL** | | **0** | **0** | **0** | **0** |

**TABLE 28A Mahoning Township Approved Subdivision Plans / Developments**

| Development Name / Location | Type / Remarks | Planned Total Units | No. Units Approved Built | Under Constr. | Not Constr. |
|---|---|---|---|---|---|
| Sunny Hill Farm | Single Family Homes | 11 | | | |
| Sage Meadows | Single Family Homes | 10 | 2 | | 8 |
| Summit Ridge | Single Family Homes | 76 | 3 | | 73 |
| AYOUB | Single Family Homes | 4 | 4 | | 0 |
| CCB Ent. | Single Family Homes | 4 | 4 | | 0 |
| Elaine Dominic | Single Family Homes | 4 | | | 4 |
| Hemlock Dr. Sub. | Single Family Homes | 9 | | | 9 |
| Leupold Sub. | Single Family Homes | 2 | 1 | | 1 |
| Lynwood Estates | Single Family Homes | 7 | 1 | | 6 |
| **TOTAL** | | **127** | **15** | **0** | **101** |

**TABLE 28B Mahoning Township Pending/Future Subdivision Plans / Developments**

| Development Name / Location | Type / Remarks | Planned Total Units | No. Units Approved Built | Under Constr. | Not Constr. |
|---|---|---|---|---|---|
| Sierra Vista | Single Family Homes | 106 | | | |
| Taylor Meadows (age 55+) | Townhomes | 116 | | | |
| Taylor Meadows (age 55+) | Townhomes | 120 | | | |
| **TOTAL** | | **342** | **0** | **0** | **0** |

## Housing Unit Developments

**TABLE 29 Parryville Borough Approved Subdivision Plans / Developments**

| Development Name / Location | Type / Remarks | Planned Total Units | No. Units Approved Built | Under Constr. | Not Constr. |
|---|---|---|---|---|---|
| None Planned | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| **TOTAL** | | **0** | **0** | **0** | **0** |

**TABLE 30 Weissport Borough Approved Subdivision Plans / Developments**

| Development Name / Location | Type / Remarks | Planned Total Units | No. Units Approved Built | Under Constr. | Not Constr. |
|---|---|---|---|---|---|
| None Planned | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| **TOTAL** | | **0** | **0** | **0** | **0** |

## Live Birth Data

**Tables 31-33 profile Live Birth data for the Lehighton Area School District. The Data is based on information from the Pennsylvania Department of Education. The Tables illustrate a net increase in the number of children entering Kindergarten and First Grade compared to the number of Births.**

**Table 31** profiles the number of Births from the years 1998 through the years 2013. The Live Birth data from years 2008-2013 are based on projections. The overall live birth data shows a steady projected rate in the number of live births.

**Table 32** profiles the number of children entering Kindergarten from the year 2003 through the year 2018. Birth data is known for students entering Kindergarten in 2012, however, the student enrollment data from years 2009-2018 are based on PDE projections. (The assumption is made that the respective children born in 1998 will enter Kindergarten in the year 2003)

**Table 33** profiles the number of children entering First Grade from the year 2004 through the year 2018. Birth data is known for students entering First Grade in 2013, however, the student enrollment data from years 2009-2018 are based on PDE projections. (The assumption is made that the respective children born in 1998 will enter First Grade in the year 2004)

**TABLE 31**

| Year of Birth | No. of Births |
|---|---|
| 1998 | 168 |
| 1999 | 166 |
| 2000 | 157 |
| 2001 | 164 |
| 2002 | 154 |
| 2003 | 168 |
| 2004 | 168 |
| 2005 | 160 |
| 2006 | 187 |
| 2007 | 206 |
| 2008 | 210 |
| 2009 | 214 |
| 2010 | 218 |
| 2011 | 222 |
| 2012 | 226 |
| 2013 | 230 |

**TABLE 32**

| Year Entering Kinder | No. Entering Kinder | % Birth to Kinder |
|---|---|---|
| 2003 | 184 | 109.52% |
| 2004 | 162 | 97.59% |
| 2005 | 170 | 108.28% |
| 2006 | 166 | 101.22% |
| 2007 | 189 | 122.73% |
| 2008 | 207 | 123.21% |
| 2009 | 194 | 115.48% |
| 2010 | 185 | 115.63% |
| 2011 | 216 | 115.51% |
| 2012 | 238 | 115.53% |
| 2013 | 243 | 115.71% |
| 2014 | 248 | 115.89% |
| 2015 | 252 | 115.60% |
| 2016 | 257 | 115.77% |
| 2017 | 262 | 115.93% |
| 2018 | 266 | 115.65% |

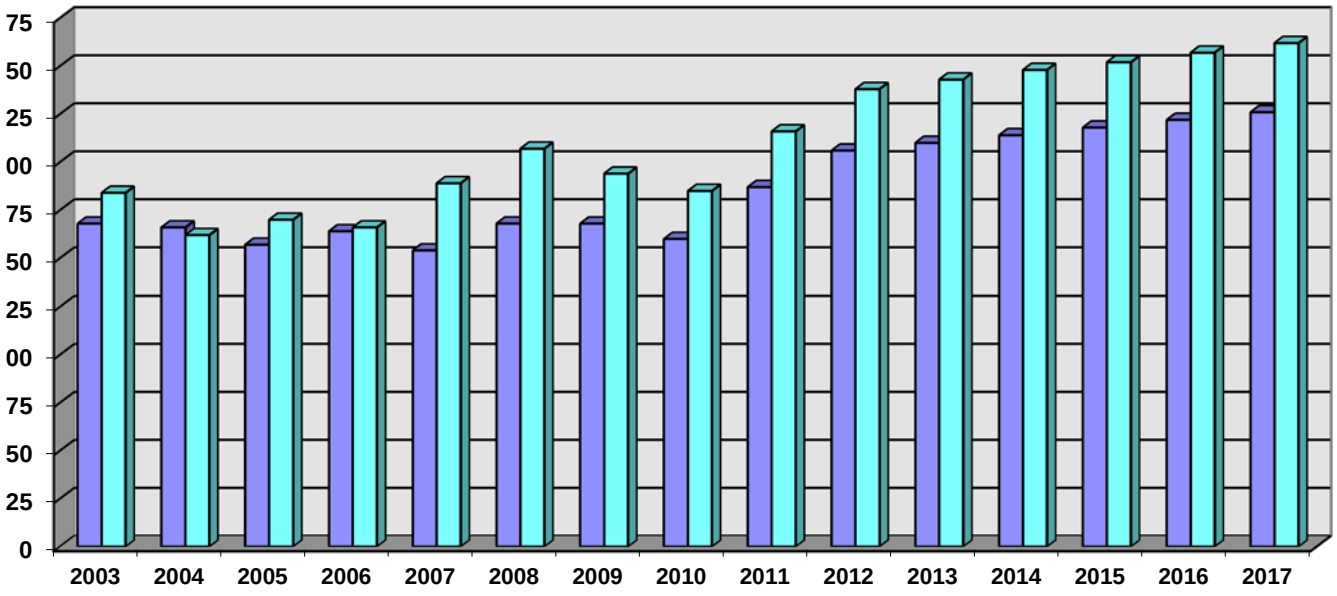
**TABLE 33**

| Year Entering First Grade | No. Entering First Grade | % Birth to First Grade |
|---|---|---|
| 2004 | 183 | 108.93% |
| 2005 | 175 | 105.42% |
| 2006 | 176 | 112.10% |
| 2007 | 185 | 112.80% |
| 2008 | 184 | 119.48% |
| 2009 | 201 | 119.64% |
| 2010 | 201 | 119.64% |
| 2011 | 191 | 119.38% |
| 2012 | 223 | 119.25% |
| 2013 | 246 | 119.42% |
| 2014 | 251 | 119.52% |
| 2015 | 256 | 119.63% |
| 2016 | 260 | 119.27% |
| 2017 | 265 | 119.37% |
| 2018 | 270 | 119.47% |
| | | |

## Live Birth Data

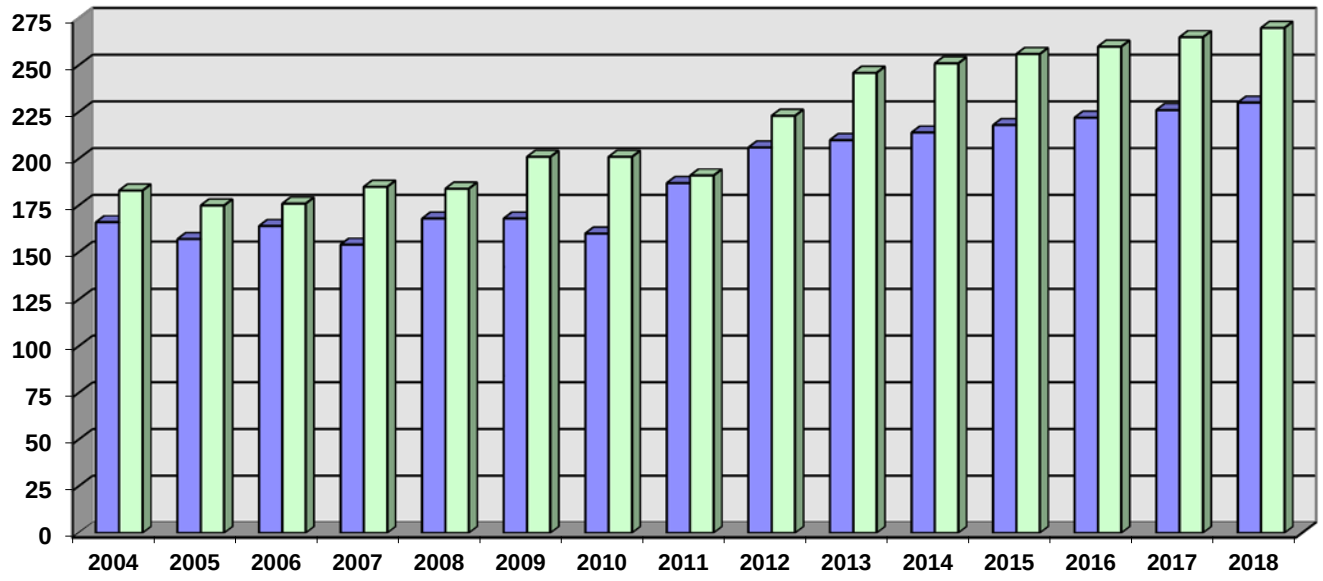
**The following Charts compare the Live Birth data from the preceding Tables with the Year Entering Kindergarten and the Year Entering First Grade**

**TABLE 31 & TABLE 32 - CHART A**




**Live Birth & Year Entering Kindergarten**

**TABLE 31 & TABLE 33 - CHART B**




**Live Birth & Year Entering First Grade**

## Student Population

## Projected Student Enrollment

**Method I (PDE)**: Student Enrollment projections supplied by the Pennsylvania Department of Education (PDE). The data shows a projected increase in the overall School District K-12 student population by 500 students.

- Projections are based on Live birth data.
- Projections may not account for in-migration trends of students moving into the School District.

**Method II (Historical data for Kindergarten)**: Student Enrollment projections based upon the average of historical increase of the past five years. The data shows a projected increase in the overall School District K-12 student population by 855 students.

- Projections are based on the Kindergarten Historical Trend of the past 5 years
- Historical trends shoud be evaluated in addition to available and future housing data.

**Method III (Historical data for First Grade)**: Student Enrollment projections based upon the average of historical increase of the past five years. The data shows a projected increase in the overall School District K-12 student population by 534 students.

- Projections are based on the First Grade Historical Trend of the past 5 years
- Historical trends shoud be evaluated in addition to available and future housing data.

**Method IV:** Student Enrollment projections based upon available housing and future housing data. The data shows a projected increase in the overall School District K-12 student population by 462 students.

- Projections are based on available and future housing data.
- Data should be evaluated in addition to Historical trends.

**Method V (PDE) Current**: Student Enrollment projections supplied by the Pennsylvania Department of Education (PDE). The data shows a projected increase in the overall School District K-12 student population by 231 students. Note that Method V is the most current information available from P.D.E.

- Projections are based on Live birth data.
- Projections may not account for in-migration trends of students moving into the School District.

## Existing Educational Program

A summary of the School District's existing conditions is profiled by the Existing Educational Program data. The information includes: Existing Grade Alignment; 2009-10 and 2013-14 Student Enrollment; District and PDE Funcional Capacity data; District and PDE Special Education Capacity; and the Highest Projected Enrollment for each grade grouping.

# DEMOGRAPHIC EXPLORATION SUMMARY PART B

## Student Population

## Student Enrollment / Capacity Evaluation

The Tables graphically illustrate the Projected Student Enrollment for each of the existing grade groupings vs. the current building capacity of the respective grade grouping.

Methods I, II, III, IV and V profile the District Schools for the following grade groupings: K-4 which includes the Elementary Schools; 5-8 which includes the Middle School; and 9-12 which includes the High School; also K-12 which includes all the Schools. Note that Method V is the most current information available from P.D.E.

## Existing Building Capacity

Room schedules for the Elementary and Secondary Schools provide data for the Existing Adjusted Building Capacity. Spaces that receive capacity are shown as well as each Building's Functional Capacity, Total Capacity, and Special Educational Capacity.

## Building Capacity Overview

The Building Capacity Overview provides an explanation of Building Capacity and adjustments; including Functional Capacity, Total Capacity and Special Education Capacity as defined for the purpose of this study.

## Educational Program Requirements

The Educational Program Requirements provide an overview of the Lehighton Area School District's Educational Program. The information was generated by the Lehighton Area School District.

The Educational Program must be analyzed, as well as, the resulting affects of the existing facilities ability to meet the current and future needs of the educational program.

## TABLE 34 2008-09 PDE Projected Student Enrollment

| | K | 1 | 2 | 3 | 4 | K - 4 | 5 | 6 | 7 | 8 | 5 - 8 | 9 | 10 | 11 | 12 | 9 - 12 | K-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2004-05 | 162 | 183 | 175 | 180 | 163 | **863** | 216 | 163 | 203 | 209 | **791** | 246 | 205 | 198 | 164 | **813** | **2467** |
| 2005-06 | 170 | 175 | 168 | 172 | 173 | **858** | 171 | 209 | 164 | 208 | **752** | 212 | 202 | 217 | 203 | **834** | **2444** |
| 2006-07 | 166 | 176 | 166 | 167 | 190 | **865** | 178 | 171 | 207 | 154 | **710** | 214 | 194 | 222 | 201 | **831** | **2406** |
| 2007-08 | 189 | 185 | 188 | 169 | 183 | **914** | 178 | 197 | 179 | 218 | **772** | 174 | 240 | 213 | 255 | **882** | **2568** |
| 2008-09 | 207 | 184 | 172 | 185 | 174 | **922** | 184 | 179 | 194 | 181 | **738** | 218 | 180 | 227 | 198 | **823** | **2483** |
| | | | | | | | | | | | | | | | | | |
| RATIOS | 1.157 | 1.195 | 0.932 | 0.995 | 1.005 | | 1.005 | 99107 | 1.007 | 1.007 | | 1.014 | 1.024 | 1.05 | 1.007 | | |
| | | | | | | | | | | | | | | | | | |
| 2009-10 | 194 | 201 | 172 | 171 | 194 | **932** | 175 | 182 | 180 | 195 | **732** | 184 | 223 | 189 | 229 | **825** | **2489** |
| 2010-11 | 185 | 201 | 187 | 171 | 179 | **923** | 195 | 173 | 183 | 181 | **732** | 198 | 188 | 234 | 190 | **810** | **2465** |
| 2011-12 | 216 | 191 | 187 | 186 | 179 | **959** | 180 | 193 | 174 | 184 | **731** | 184 | 203 | 197 | 236 | **820** | **2510** |
| 2012-13 | 238 | 223 | 178 | 186 | 195 | **1020** | 180 | 178 | 194 | 175 | **727** | 187 | 188 | 213 | 198 | **786** | **2533** |
| 2013-14 | 243 | 246 | 208 | 177 | 195 | **1069** | 196 | 178 | 179 | 195 | **748** | 178 | 191 | 197 | 215 | **781** | **2598** |
| | | | | | | | | | | | | | | | | | |
| 2014-15 | 248 | 251 | 229 | 207 | 185 | **1120** | 196 | 194 | 179 | 180 | **749** | 198 | 182 | 201 | 198 | **779** | **2648** |
| 2015-16 | 252 | 256 | 234 | 228 | 217 | **1187** | 186 | 194 | 195 | 180 | **755** | 183 | 203 | 191 | 202 | **779** | **2721** |
| 2016-17 | 257 | 260 | 239 | 233 | 239 | **1228** | 218 | 184 | 195 | 196 | **793** | 183 | 187 | 213 | 192 | **775** | **2796** |
| 2017-18 | 262 | 265 | 242 | 238 | 244 | **1251** | 240 | 216 | 185 | 196 | **837** | 199 | 187 | 196 | 215 | **797** | **2885** |
| 2018-19 | 266 | 270 | 247 | 241 | 249 | **1273** | 245 | 238 | 218 | 186 | **887** | 199 | 204 | 196 | 197 | **796** | **2956** |

**METHOD I** - The PDE model uses enrollment data reported annually by all local education agencies to the Division of Data Services on the Public School Enrollment Report. Resident live birth data is provided by the Pennsylvania Department of Health. Grade progression is determined by calculating retention rates for grades 2 to 12 using the most recent five years of enrollment data. Retention rates for kindergarten are determined by births five years earlier and for first grade from births six years earlier. These rates are evaluated to determine if a pattern is discernable, or if any retention rates are unusual. If a pattern is found, the pattern is continued in making the projections. Unusual retention rates are discarded and the average of the remaining rates is used in making the projections. Nongraded elementary and secondary students are prorated across grades before retention rates are calculated.

**Table 34A** compares the PDE and District Functional Capacity for each school with the Method I, 2008-09 PDE projected enrollment information.

| **TABLE 34A** School | District Functional Capacity | PDE Functional Capacity | Student Enrollment 2009-10 | 5 Year Growth | Projected Student Enrollment 2013-14 | 10 Year Growth | Projected Student Enrollment 2018-19 |
|---|---|---|---|---|---|---|---|
| East Penn Elementary | 175 | 175 | 150 | | | | |
| Franklin Elementary | 375 | 375 | 288 | | | | |
| Mahoning Elementary | 250 | 250 | 193 | | | | |
| Shull-David Elementary | 350 | 350 | 306 | | | | |
| **K-4 Total** | **1,150** | **1,150** | **937** | **132** | **1,069** | **336** | **1,273** |
| Lehighton Area M.S. | 815 | 917 | 736 | | | | |
| **5-8 Total** | **815** | **917** | **736** | **12** | **748** | **151** | **887** |
| Lehighton Area H.S. | 827 | 931 | 783 | | | | |
| **9-12 Total** | **827** | **931** | **783** | **-2** | **781** | **13** | **796** |
| | | | | | | | |
| **K-12 Total** | **2,792** | **2,998** | **2,456** | **142** | **2,598** | **500** | **2,956** |

## TABLE 35 2009-10 Projected Student Enrollment based on Kindergarten Historical Data

| | K | 1 | 2 | 3 | 4 | **K - 4** | 5 | 6 | 7 | 8 | **5 - 8** | 9 | 10 | 11 | 12 | **9 - 12** | **K-12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005-06 | 170 | 175 | 168 | 172 | 173 | **858** | 171 | 209 | 164 | 208 | **752** | 212 | 202 | 217 | 203 | **834** | **2444** |
| 2006-07 | 166 | 176 | 166 | 167 | 190 | **865** | 178 | 171 | 207 | 154 | **710** | 214 | 194 | 222 | 201 | **831** | **2406** |
| 2007-08 | 189 | 185 | 188 | 169 | 183 | **914** | 178 | 197 | 179 | 218 | **772** | 174 | 240 | 213 | 255 | **882** | **2568** |
| 2008-09 | 207 | 184 | 172 | 185 | 174 | **922** | 184 | 179 | 194 | 181 | **738** | 218 | 180 | 227 | 198 | **823** | **2483** |
| 2009-10 | 206 | 195 | 173 | 178 | 185 | **937** | 172 | 190 | 187 | 187 | **736** | 182 | 220 | 172 | 209 | **783** | **2456** |
| | | | | | | | | | | | | | | | | | |
| RATIOS | | 1.011 | 0.971 | 1.007 | 1.056 | | 0.989 | 1.037 | 1.015 | 0.995 | | 1.035 | 1.02 | 1.022 | 0.982 | | |
| | | | | | | | | | | | | | | | | | |
| 2010-11 | 215 | 208 | 189 | 174 | 188 | **975** | 183 | 178 | 193 | 186 | **740** | 194 | 186 | 225 | 169 | **773** | **2488** |
| 2011-12 | 224 | 217 | 202 | 191 | 184 | **1018** | 186 | 190 | 181 | 192 | **748** | 193 | 197 | 190 | 221 | **800** | **2567** |
| 2012-13 | 233 | 226 | 211 | 204 | 201 | **1075** | 182 | 193 | 192 | 180 | **747** | 199 | 196 | 202 | 186 | **783** | **2605** |
| 2013-14 | 242 | 236 | 220 | 213 | 215 | **1125** | 199 | 189 | 196 | 191 | **775** | 186 | 202 | 201 | 198 | **788** | **2687** |
| 2014-15 | 251 | 245 | 229 | 221 | 224 | **1170** | 213 | 206 | 191 | 194 | **805** | 198 | 190 | 207 | 197 | **792** | **2767** |
| | | | | | | | | | | | | | | | | | |
| 2015-16 | 260 | 254 | 238 | 230 | 234 | **1215** | 222 | 220 | 209 | 190 | **842** | 201 | 202 | 194 | 203 | **801** | **2858** |
| 2016-17 | 269 | 263 | 246 | 239 | 243 | **1261** | 231 | 230 | 224 | 208 | **893** | 197 | 205 | 206 | 191 | **800** | **2954** |
| 2017-18 | 278 | 272 | 255 | 248 | 253 | **1306** | 241 | 240 | 233 | 222 | **936** | 216 | 201 | 210 | 203 | **829** | **3071** |
| 2018-19 | 287 | 281 | 264 | 257 | 262 | **1351** | 250 | 249 | 243 | 232 | **975** | 230 | 220 | 205 | 206 | **862** | **3188** |
| 2019-20 | 296 | 290 | 273 | 266 | 271 | **1396** | 259 | 259 | 253 | 242 | **1013** | 240 | 235 | 225 | 202 | **902** | **3311** |

**METHOD II** - Kindergarten enrollment increased by 9 students each year. This is based upon the average of historical increase of the past five years.

**Table 35A** compares the PDE and District Functional Capacity for each school with the Method II, 2009-10 projected enrollment information.

| **TABLE 35A** School | District Functional Capacity | PDE Functional Capacity | Student Enrollment 2009-10 | 5 Year Growth | Projected Student Enrollment 2014-15 | 10 Year Growth | Projected Student Enrollment 2019-20 |
|---|---|---|---|---|---|---|---|
| East Penn Elementary | 175 | 175 | 150 | | | | |
| Franklin Elementary | 375 | 375 | 288 | | | | |
| Mahoning Elementary | 250 | 250 | 193 | | | | |
| Shull-David Elementary | 350 | 350 | 306 | | | | |
| **K-4 Total** | **1,150** | **1,150** | **937** | **233** | **1,170** | **459** | **1,396** |
| Lehighton Area M.S. | 815 | 917 | 736 | | | | |
| **5-8 Total** | **815** | **917** | **736** | **69** | **805** | **277** | **1,013** |
| Lehighton Area H.S. | 827 | 931 | 783 | | | | |
| **9-12 Total** | **827** | **931** | **783** | **9** | **792** | **119** | **902** |
| | | | | | | | |
| **K-12 Total** | **2,792** | **2,998** | **2,456** | **311** | **2,767** | **855** | **3,311** |

## TABLE 36 2009-10 Projected Student Enrollment Based on First Grade Historical Data

| | K | 1 | 2 | 3 | 4 | **K - 4** | 5 | 6 | 7 | 8 | **5 - 8** | 9 | 10 | 11 | 12 | **9 - 12** | **K-12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005-06 | 170 | 175 | 168 | 172 | 173 | **858** | 171 | 209 | 164 | 208 | **752** | 212 | 202 | 217 | 203 | **834** | **2444** |
| 2006-07 | 166 | 176 | 166 | 167 | 190 | **865** | 178 | 171 | 207 | 154 | **710** | 214 | 194 | 222 | 201 | **831** | **2406** |
| 2007-08 | 189 | 185 | 188 | 169 | 183 | **914** | 178 | 197 | 179 | 218 | **772** | 174 | 240 | 213 | 255 | **882** | **2568** |
| 2008-09 | 207 | 184 | 172 | 185 | 174 | **922** | 184 | 179 | 194 | 181 | **738** | 218 | 180 | 227 | 198 | **823** | **2483** |
| 2009-10 | 206 | 195 | 173 | 178 | 185 | **937** | 172 | 190 | 187 | 187 | **736** | 182 | 220 | 172 | 209 | **783** | **2456** |
| | | | | | | | | | | | | | | | | | |
| RATIOS | | 1.011 | 0.971 | 1.007 | 1.056 | | 0.989 | 1.037 | 1.015 | 0.995 | | 1.035 | 1.02 | 1.022 | 0.982 | | |
| | | | | | | | | | | | | | | | | | |
| 2010-11 | 203 | 200 | 189 | 174 | 188 | **954** | 183 | 178 | 193 | 186 | **740** | 194 | 186 | 225 | 169 | **773** | **2467** |
| 2011-12 | 208 | 205 | 194 | 191 | 184 | **982** | 186 | 190 | 181 | 192 | **748** | 193 | 197 | 190 | 221 | **800** | **2530** |
| 2012-13 | 213 | 210 | 199 | 196 | 201 | **1019** | 182 | 193 | 192 | 180 | **747** | 199 | 196 | 202 | 186 | **783** | **2549** |
| 2013-14 | 218 | 215 | 204 | 200 | 207 | **1044** | 199 | 189 | 196 | 191 | **775** | 186 | 202 | 201 | 198 | **788** | **2606** |
| 2014-15 | 223 | 220 | 209 | 205 | 212 | **1068** | 204 | 206 | 191 | 194 | **797** | 198 | 190 | 207 | 197 | **792** | **2657** |
| | | | | | | | | | | | | | | | | | |
| 2015-16 | 228 | 225 | 214 | 210 | 217 | **1093** | 209 | 212 | 209 | 190 | **821** | 201 | 202 | 194 | 203 | **801** | **2715** |
| 2016-17 | 232 | 230 | 218 | 215 | 222 | **1118** | 214 | 217 | 215 | 208 | **855** | 197 | 205 | 206 | 191 | **800** | **2772** |
| 2017-18 | 237 | 235 | 223 | 220 | 227 | **1143** | 220 | 222 | 220 | 214 | **876** | 216 | 201 | 210 | 203 | **829** | **2848** |
| 2018-19 | 242 | 240 | 228 | 225 | 232 | **1168** | 225 | 228 | 226 | 219 | **897** | 221 | 220 | 205 | 206 | **853** | **2917** |
| 2019-20 | 247 | 245 | 233 | 230 | 238 | **1193** | 230 | 233 | 231 | 224 | **918** | 227 | 226 | 225 | 202 | **879** | **2990** |

**METHOD III** - First Grade enrollment increased by 5 students each year. This is based upon the average of historical increase of the past five years.

**Table 36A** compares the PDE and District Functional Capacity for each school with the Method III, 2008-09 projected enrollment information.

| **TABLE 36A** School | District Functional Capacity | PDE Functional Capacity | Student Enrollment 2009-10 | 5 Year Growth | Projected Student Enrollment 2013-14 | 10 Year Growth | Projected Student Enrollment 2018-19 |
|---|---|---|---|---|---|---|---|
| East Penn Elementary | 175 | 175 | 150 | | | | |
| Franklin Elementary | 375 | 375 | 288 | | | | |
| Mahoning Elementary | 250 | 250 | 193 | | | | |
| Shull-David Elementary | 350 | 350 | 306 | | | | |
| **K-4 Total** | **1,150** | **1,150** | **937** | **131** | **1,068** | **256** | **1,193** |
| Lehighton Area M.S. | 815 | 917 | 736 | | | | |
| **5-8 Total** | **815** | **917** | **736** | **61** | **797** | **182** | **918** |
| Lehighton Area H.S. | 827 | 931 | 783 | | | | |
| **9-12 Total** | **827** | **931** | **783** | **9** | **792** | **96** | **879** |
| | | | | | | | |
| **K-12 Total** | **2,792** | **2,998** | **2,456** | **201** | **2,657** | **534** | **2,990** |

## TABLE 37 - 2009-10 Projected Student Enrollment Based on Housing Start Data

| | K | 1 | 2 | 3 | 4 | **K - 4** | 5 | 6 | 7 | 8 | **5 - 8** | 9 | 10 | 11 | 12 | **9 - 12** | **K-12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005-06 | 170 | 175 | 168 | 172 | 173 | **858** | 171 | 209 | 164 | 208 | **752** | 212 | 202 | 217 | 203 | **834** | **2444** |
| 2006-07 | 166 | 176 | 166 | 167 | 190 | **865** | 178 | 171 | 207 | 154 | **710** | 214 | 194 | 222 | 201 | **831** | **2406** |
| 2007-08 | 189 | 185 | 188 | 169 | 183 | **914** | 178 | 197 | 179 | 218 | **772** | 174 | 240 | 213 | 255 | **882** | **2568** |
| 2008-09 | 207 | 184 | 172 | 185 | 174 | **922** | 184 | 179 | 194 | 181 | **738** | 218 | 180 | 227 | 198 | **823** | **2483** |
| 2009-10 | 206 | 195 | 173 | 178 | 185 | **937** | 172 | 190 | 187 | 187 | **736** | 182 | 220 | 172 | 209 | **783** | **2456** |
| | | | | | | | | | | | | | | | | | |
| RATIOS | | 1.011 | 0.971 | 1.007 | 1.056 | | 0.989 | 1.037 | 1.015 | 0.995 | | 1.035 | 1.02 | 1.022 | 0.982 | | |
| | | | | | | | | | | | | | | | | | |
| 2010-11 | 208 | 208 | 189 | 174 | 188 | **968** | 183 | 178 | 193 | 186 | **740** | 194 | 186 | 225 | 169 | **773** | **2481** |
| 2011-12 | 210 | 210 | 202 | 191 | 184 | **997** | 186 | 190 | 181 | 192 | **748** | 193 | 197 | 190 | 221 | **800** | **2546** |
| 2012-13 | 212 | 212 | 204 | 204 | 201 | **1033** | 182 | 193 | 192 | 180 | **747** | 199 | 196 | 202 | 186 | **783** | **2563** |
| 2013-14 | 214 | 214 | 206 | 206 | 215 | **1055** | 199 | 189 | 196 | 191 | **775** | 186 | 202 | 201 | 198 | **788** | **2617** |
| 2014-15 | 216 | 216 | 208 | 208 | 217 | **1065** | 213 | 206 | 191 | 194 | **805** | 198 | 190 | 207 | 197 | **792** | **2662** |
| | | | | | | | | | | | | | | | | | |
| 2015-16 | 218 | 218 | 210 | 210 | 219 | **1075** | 215 | 220 | 209 | 190 | **835** | 201 | 202 | 194 | 203 | **801** | **2711** |
| 2016-17 | 220 | 220 | 212 | 212 | 221 | **1085** | 217 | 223 | 224 | 208 | **871** | 197 | 205 | 206 | 191 | **800** | **2756** |
| 2017-18 | 222 | 222 | 214 | 214 | 223 | **1095** | 219 | 225 | 226 | 222 | **892** | 216 | 201 | 210 | 203 | **829** | **2817** |
| 2018-19 | 224 | 224 | 216 | 215 | 226 | **1105** | 221 | 227 | 228 | 225 | **901** | 230 | 220 | 205 | 206 | **862** | **2868** |
| 2019-20 | 226 | 226 | 218 | 217 | 228 | **1115** | 223 | 229 | 230 | 227 | **909** | 233 | 235 | 225 | 202 | **894** | **2918** |

**METHOD IV** - Kindergarten enrollment increased by 2 students each year. This is based upon the available housing and future housing data.

**Table 37A** compares the PDE and District Functional Capacity for each school with the Method IV, 2008-09 projected enrollment information.

| **TABLE 37A** School | District Functional Capacity | PDE Functional Capacity | Student Enrollment 2009-10 | 5 Year Growth | Projected Student Enrollment 2014-15 | 10 Year Growth | Projected Student Enrollment 2019-20 |
|---|---|---|---|---|---|---|---|
| East Penn Elementary | 175 | 175 | 150 | | | | |
| Franklin Elementary | 375 | 375 | 288 | | | | |
| Mahoning Elementary | 250 | 250 | 193 | | | | |
| Shull-David Elementary | 350 | 350 | 306 | | | | |
| **K-4 Total** | **1,150** | **1,150** | **937** | **128** | **1,065** | **178** | **1,115** |
| Lehighton Area M.S. | 815 | 917 | 736 | | | | |
| **5-8 Total** | **815** | **917** | **736** | **69** | **805** | **173** | **909** |
| Lehighton Area H.S. | 827 | 931 | 783 | | | | |
| **9-12 Total** | **827** | **931** | **783** | **9** | **792** | **111** | **894** |
| | | | | | | | |
| **K-12 Total** | **2,792** | **2,998** | **2,456** | **206** | **2,662** | **462** | **2,918** |

## TABLE 37.1 - 2011-12 PDE Projected Student Enrollment (current)

| | K | 1 | 2 | 3 | 4 | K - 4 | K - 5 | 5 | 6 | 7 | 8 | 5 - 8 | 6 - 8 | 9 | 10 | 11 | 12 | 9 - 12 | K-12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2007-08** | 189 | 185 | 188 | 169 | 183 | **914** | **1092** | 178 | 197 | 179 | 218 | **772** | **594** | 174 | 240 | 213 | 255 | **882** | **2568** |
| **2008-09** | 207 | 183 | 172 | 185 | 174 | **921** | **1105** | 184 | 179 | 194 | 181 | **738** | **554** | 218 | 180 | 227 | 198 | **823** | **2482** |
| **2009-10** | 206 | 195 | 173 | 178 | 185 | **937** | **1109** | 172 | 190 | 187 | 187 | **736** | **564** | 182 | 220 | 172 | 209 | **783** | **2456** |
| **2010-11** | 221 | 189 | 185 | 164 | 174 | **933** | **1114** | 181 | 169 | 186 | 176 | **712** | **531** | 195 | 186 | 201 | 162 | **744** | **2389** |
| **2011-12** | 151 | 207 | 191 | 183 | 166 | **898** | **1082** | 184 | 181 | 174 | 189 | **728** | **544** | 184 | 178 | 158 | 201 | **721** | **2347** |
| | | | | | | | | | | | | | | | | | | | |
| RATIOS | 1.16 | 1.19 | 1.01 | 0.99 | 1 | | | 1.01 | 1.01 | 1.01 | 0.98 | | | 1.05 | 0.99 | 0.92 | 0.95 | | |
| | | | | | | | | | | | | | | | | | | | |
| **2012-13** | 239 | 223 | 209 | 189 | 184 | **1044** | **1211** | 167 | 185 | 183 | 171 | **706** | **539** | 198 | 183 | 163 | 150 | **694** | **2444** |
| **2013-14** | 207 | 246 | 225 | 207 | 190 | **1075** | **1260** | 185 | 168 | 187 | 180 | **720** | **535** | 179 | 197 | 168 | 155 | **699** | **2494** |
| **2014-15** | 196 | 212 | 249 | 223 | 208 | **1088** | **1279** | 191 | 186 | 170 | 184 | **731** | **540** | 188 | 178 | 180 | 159 | **705** | **2524** |
| **2015-16** | 186 | 201 | 214 | 246 | 224 | **1071** | **1281** | 210 | 192 | 188 | 167 | **757** | **547** | 192 | 187 | 163 | 171 | **713** | **2541** |
| **2016-17** | 185 | 191 | 203 | 212 | 247 | **1038** | **1264** | 226 | 211 | 194 | 185 | **816** | **590** | 175 | 191 | 171 | 155 | **692** | **2546** |
| | | | | | | | | | | | | | | | | | | | |
| **2017-18** | 184 | 190 | 193 | 201 | 213 | **981** | **1230** | 249 | 227 | 213 | 191 | **880** | **631** | 193 | 174 | 175 | 162 | **704** | **2565** |
| **2018-19** | 182 | 188 | 192 | 191 | 202 | **955** | **1170** | 215 | 250 | 229 | 209 | **903** | **688** | 200 | 192 | 159 | 166 | **717** | **2575** |
| **2019-20** | 181 | 187 | 190 | 190 | 192 | **940** | **1144** | 204 | 216 | 252 | 225 | **897** | **693** | 218 | 199 | 176 | 151 | **744** | **2581** |
| **2020-21** | 180 | 186 | 189 | 188 | 191 | **934** | **1127** | 193 | 205 | 218 | 248 | **864** | **671** | 235 | 217 | 182 | 167 | **801** | **2599** |
| **2021-22** | 179 | 185 | 188 | 187 | 189 | **928** | **1120** | 192 | 194 | 207 | 214 | **807** | **615** | 259 | 234 | 199 | 173 | **865** | **2600** |

**METHOD V** - The PDE model uses enrollment data reported annually by all local education agencies to the Division of Data Services on the Public School Enrollment Report. Resident live birth data is provided by the Pennsylvania Department of Health. Grade progression is determined by calculating retention rates for grades 2 to 12 using the most recent five years of enrollment data. Retention rates for kindergarten are determined by births five years earlier and for first grade from births six years earlier. These rates are evaluated to determine if a pattern is discernable, or if any retention rates are unusual. If a pattern is found, the pattern is continued in making the projections. Unusual retention rates are discarded and the average of the remaining rates is used in making the projections. Nongraded elementary and secondary students are prorated across grades before retention rates are calculated.

**Table 37.1A** compares the PDE and District Functional Capacity for each school with the Method V, 2008-09 projected enrollment information.

| **TABLE 37.1A** School | District Functional Capacity | PDE Functional Capacity | Student Enrollment 2013-14 | 5 Year Growth | Projected Student Enrollment 2016-17 | 10 Year Growth | Projected Student Enrollment 2021-22 |
|---|---|---|---|---|---|---|---|
| East Penn Elementary | 175 | 175 | 147 | | | | |
| Franklin Elementary | 375 | 375 | 271 | | | | |
| Mahoning Elementary | 250 | 250 | 225 | | | | |
| Shull-David Elementary | 350 | 350 | 298 | | | | |
| **K-4 Total** | **1,150** | **1,150** | **941** | **97** | **1,038** | **-13** | **928** |
| Lehighton Area M.S. | 815 | 917 | 727 | | | | |
| **5-8 Total** | **815** | **917** | **727** | **89** | **816** | **80** | **807** |
| Lehighton Area H.S. | 827 | 931 | 701 | | | | |
| **9-12 Total** | **827** | **931** | **701** | **-9** | **692** | **164** | **865** |
| | | | | | | | |
| **K-12 Total** | **2,792** | **2,998** | **2,369** | **177** | **2,546** | **231** | **2,600** |

## EXISTING EDUCATIONAL PROGRAM

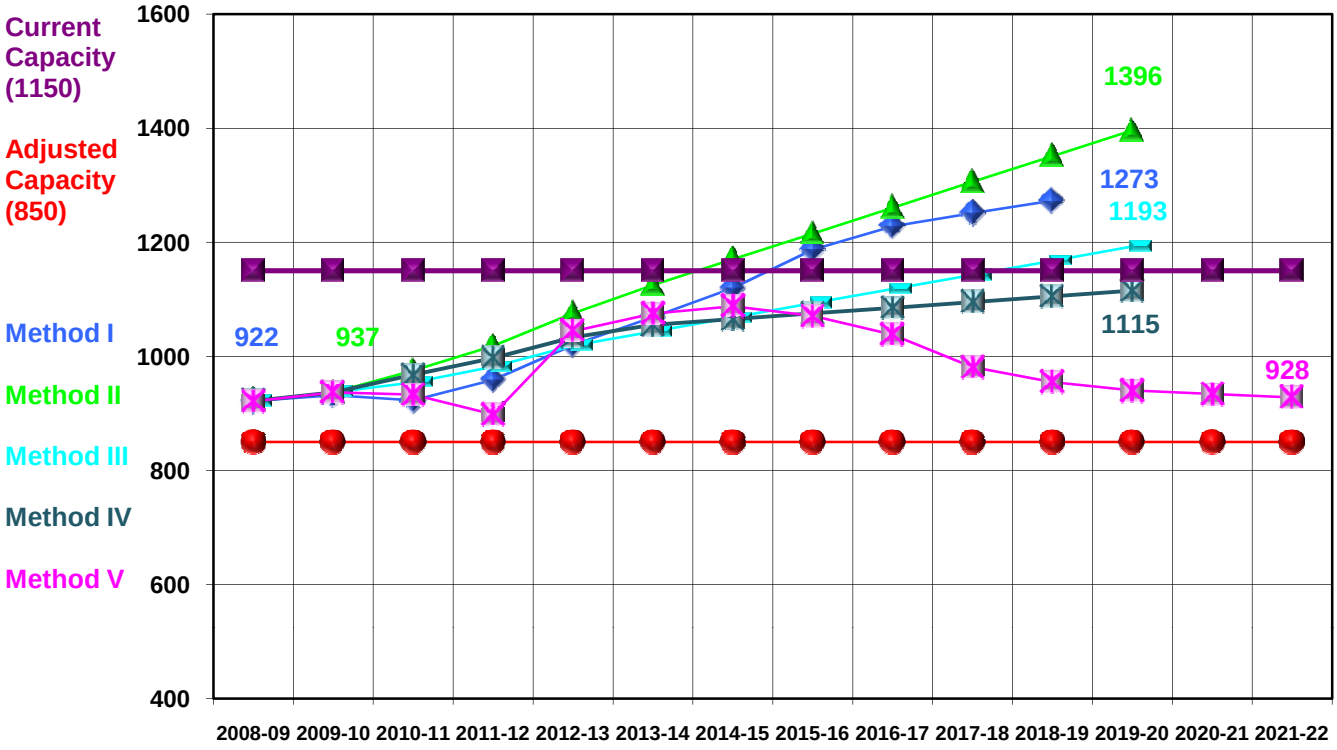
### Existing Building Capacity for Grades K-4; 5-8; 9-12; K-12

| | Building | Existing Grade Alignment | 2013-14 Enrollment | ** District Functional Capacity | | Highest Projected Enrollment | |
|---|---|---|---|---|---|---|---|
| | | | | Current Use | Adjusted Use | Methods I ,II, III | Current + 10% * |
|  | EAST PENN ELEMENTARY SCHOOL | K-4 | 147 | 175 | 125 | | |
|  | FRANKLIN ELEMENTARY SCHOOL | K-4 | 271 | 375 | 300 | | |
|  | MAHONING ELEMENTARY SCHOOL | K-4 | 225 | 250 | 175 | | |
|  | SHULL-DAVID ELEMENTARY SCHOOL | K-4 | 298 | 350 | 250 | | |
| | **K-4 TOTAL** | | 941 | 1,150 | 850 | 1,396 Method II | 988 2011-12 |
|  | LEHIGHTON AREA MIDDLE SCHOOL | 5-8 | 727 | 789 | 729 | | |
| | **5-8 TOTAL** | | 727 | 789 | 729 | 1,013 Method II | 801 2011-12 |
|  | LEHIGHTON AREA HIGH SCHOOL | 9-12 | 701 | 801 | 781 | | |
| | **9-12 TOTAL** | | 701 | 801 | 781 | 902 Method II | 793 2011-12 |
| | **K-12 TOTAL** | | 2,369 | 2,740 | 2,360 | 3,311 Method II | 2,600 2011-12 |

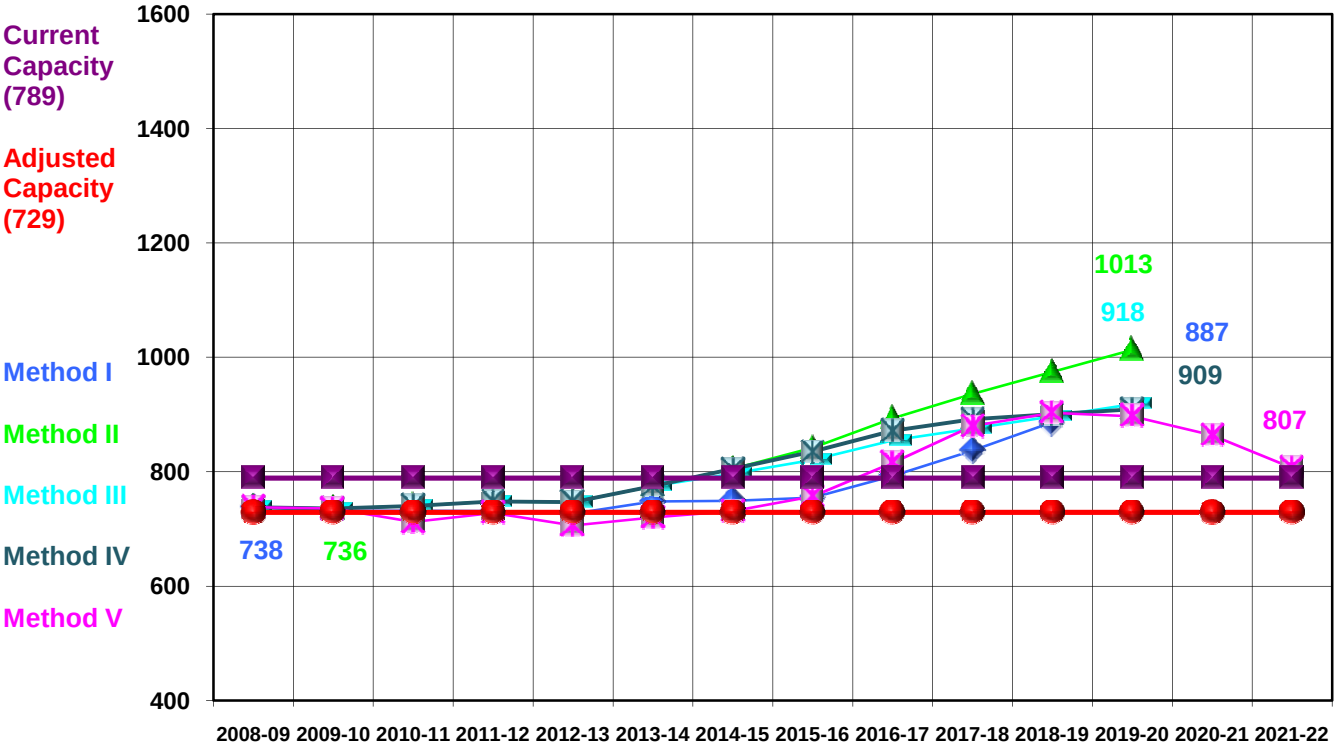
* PDE allows Current Enrollment + 10% to be used as Highest Projected Enrollment for Project Grades.

** Elementary *Functional Capacity* are Graded K-4 Classrooms. *Current Functional Capacity* represents current use of school; *Adjusted Functional Capacity* represents adjusted use, showing respective support classrooms including Art, Music and Computer Education spaces. *Special Education Capacity* is not included in the Functional Capacity or Total Capacity.

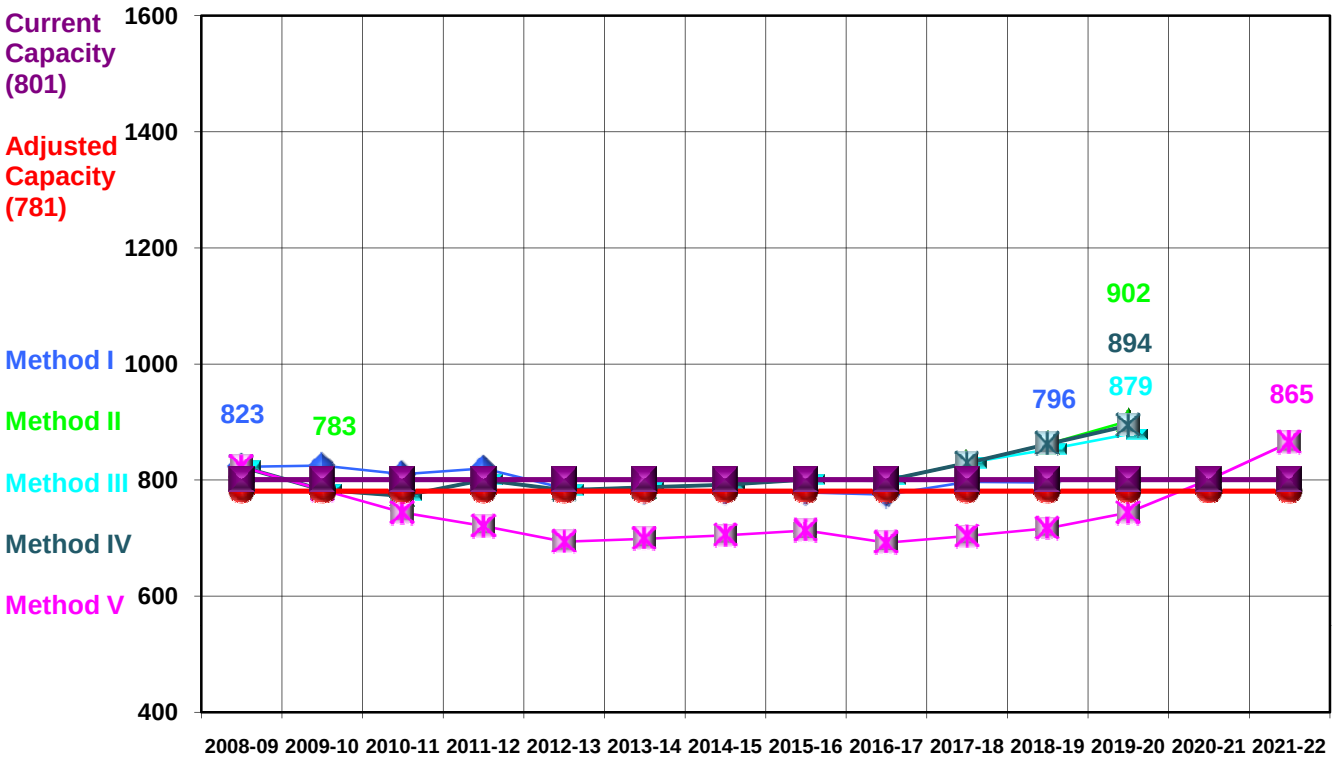
## TABLE 38 - Projected Student Enrollment (K-4) vs. Current Building Capacity



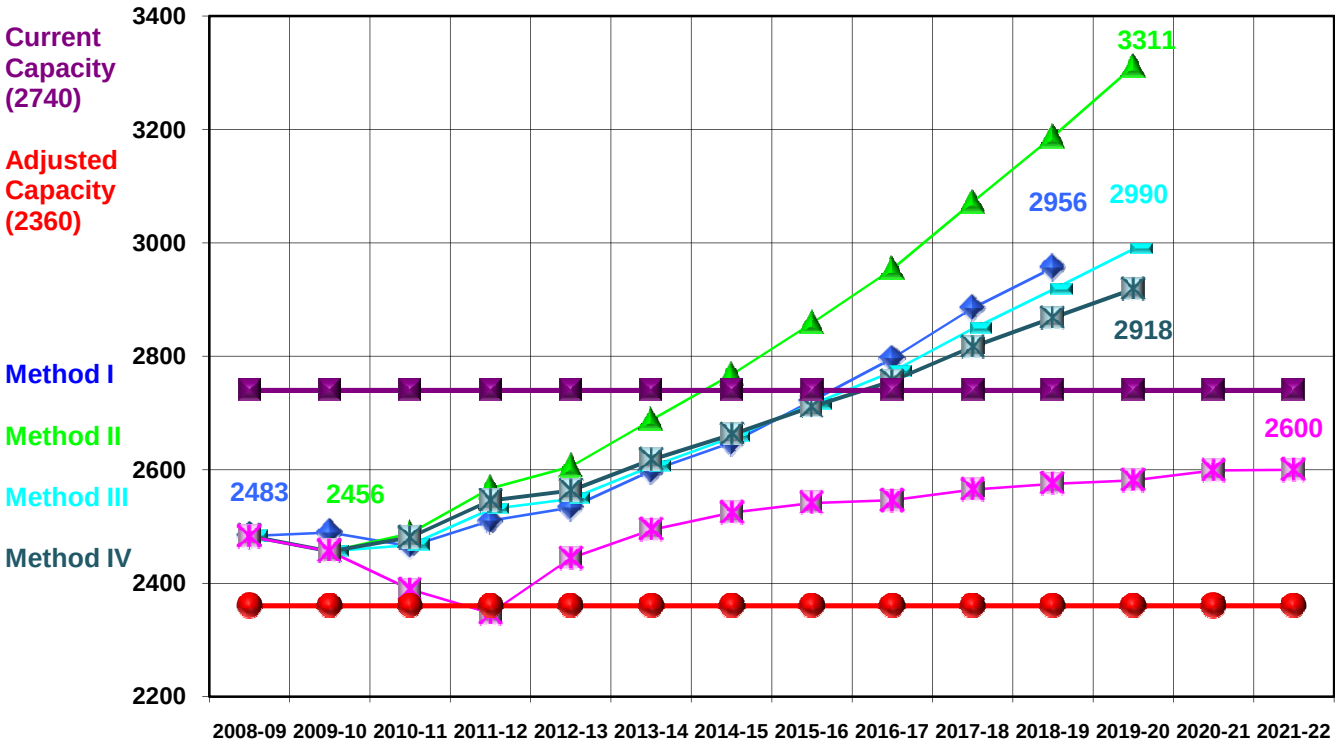

## TABLE 39 - Projected Student Enrollment (5-8) vs. Current Building Capacity



## TABLE 40 - Projected Student Enrollment (9-12) vs. Current Building Capacity




## TABLE 41 - Projected Student Enrollment (K-12) vs. Current Building Capacity



## Existing Adjusted Capacity

| | EAST PENN ELEMENTARY | | FRANKLIN ELEMENTARY | | MAHONING ELEMENTARY | | SHULL-DAVID ELEMENTARY | |
|---|---|---|---|---|---|---|---|---|
| Educational Space | Current Capacity | Adjusted Capacity | Current Capacity | Adjusted Capacity | Current Capacity | Adjusted Capacity | Current Capacity | Adjusted Capacity |
| Full Day Kindergarten | 2 50 | 1 25 | 4 100 | 3 75 | 2 50 | 2 50 | 4 100 | 2 50 |
| First Grade Clsrm | 1 25 | 1 25 | 3 75 | 3 75 | 2 50 | 2 50 | 2 50 | 2 50 |
| Second Grade Clsrm | 2 50 | 1 25 | 3 75 | 2 50 | 2 50 | 1 25 | 4 100 | 2 50 |
| Third Grade Clsrm | 1 25 | 1 25 | 3 75 | 2 50 | 2 50 | 1 25 | 2 50 | 2 50 |
| Fourth Grade Clsrm | 1 25 | 1 25 | 2 50 | 2 50 | 2 50 | 1 25 | 2 50 | 2 50 |
| Support Classroom | 0 | 1 25 | 0 | 1 25 | 1 25 | 1 25 | 0 | 1 25 |
| Pre Kindergarten | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Substandard/Modular | | | 1 | 1 | | | 1 | |
| Special Educ Clsrm | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 |
| I.U. / S.E. Clsrm | 1 | 1 | | | | | | 1 |
| S.E. Seminar / S.G.I. | | | 1 | 1 | | | 1 | 1 |
| Media Center | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Small Group Instruction | 3 | 3 | 4 | 4 | 1 | 1 | 4 | 4 |
| Large Group Instruction | | | | | | | | |
| Science / Tech Lab | | | | | | | | |
| Computer Lab | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Art Classroom | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Music Classroom | Share w/ Art | 1 | Share w/ Art | 1 | Share w/ Art | 1 | Share w/ Art | 1 |
| Band/Orchestra/Choral | | | | | | | | |
| Music S.G.I. | | | | | | | | |
| Gym/Multi-Purpose | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Locker/Changing Rm | | | | | | | | |
| Stage/Platform | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Student Dining | | | | | | | | |
| Kitchen Areas | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FUNCTIONAL CAPACITY | 175 | 125 | 375 | 300 | 250 | 175 | 350 | 250 |
| TOTAL CAPACITY | 175 | 150 | 375 | 325 | 275 | 200 | 350 | 275 |
| S. E. CAPACITY | 75 | 50 | 75 | 75 | 25 | 50 | 50 | 75 |

P.D.E. Capacity: 25 students per classroom. District Capacity: 25 students per classroom. Special Education Capacity = 10 students / classroom.

Elementary *Functional Capacity* includes Graded Classrooms, while the *Total Capacity* also includes Support Classrooms that are needed to support the educational program. *Special Education Capacity* is not included in the Functional Capacity or Total Capacity.

The Existing building capacity also has been adjusted to represent the intended or adjusted use of space, therefore, showing respective support classrooms including Art, Music and Computer Education spaces.

## Existing Adjusted Capacity

| | 5-8 LEHIGHTON AREA MIDDLE SCHOOL | | | | 9-12 LEHIGHTON AREA HIGH SCHOOL | | | |
|---|---|---|---|---|---|---|---|---|
| Educational Space | No. | Current Capacity | No. | Adjusted Capacity | No. | Current Capacity | No. | Adjusted Capacity |
| Fifth Grade Reg Clsrm 660+ SF | 6 | 150 | 5 | 125 | | 0 | | 0 |
| Sixth Grade Reg Clsrm 660+ SF | 3 | 75 | 4 | 100 | | 0 | | 0 |
| Seventh Grade Reg Clsrm 660+ SF | 6 | 150 | 5 | 125 | | 0 | | 0 |
| Eighth Grade Reg Clsrm 660+ SF | 6 | 150 | 5 | 125 | | 0 | | 0 |
| 9-12 Lang Arts Reg Clsrm 660+ SF | | | | | 7 | 175 | 6 | 150 |
| 9-12 F Lang Reg Clsrm 660+ SF | | | | | 2 | 50 | 2 | 50 |
| 9-12 Math Reg Clsrm 660+ SF | | | | | 5 | 125 | 5 | 125 |
| 9-12 Soc St Reg Clsrm 660+ SF | | | | | 6 | 150 | 6 | 150 |
| Reg Clsrm 660+ SF | 1 | 25 | | 0 | 1 | 25 | 1 | 25 |
| Modular Clsrm | 4 | (3-6th Gr) | | | | | | |
| Special Education Clsrm. | 3 | | 3 | | 7 | | 8 | |
| I.U. / S.E. Clsrm | 1 | | 1 | | | | | |
| Spec. Educ. Seminar / S.G.I. | 6 | | 6 | | | | | |
| Media Center | 1 | | 1 | | 1 | | 1 | |
| T.V. Studio | | 0 | | 0 | 1 | | 1 | |
| S.G.I. / Student Activity | | | | | | | | |
| Large Group Instruction | | | | | | | | |
| Science Classroom | 4 | 100 | 4 | 100 | | 0 | | 0 |
| Science Lab | 4 | 80 | 4 | 80 | 7 | 140 | 7 | 140 |
| Sci Proj Rm / Greenhouse | | | | | 3 | | 3 | |
| Business / Computer Lab | | 0 | | 0 | 4 | 80 | 4 | 80 |
| Computer Lab | 2 | 40 | 2 | 40 | 1 | 20 | 1 | 20 |
| Art Classroom | 2 | 40 | 2 | 40 | 1 | 20 | 1 | 20 |
| Music Classroom | 1 | 25 | 1 | 25 | 1 | 25 | 1 | 25 |
| Band / Orchestra / Choral | 1 | 25 | 1 | 25 | 1 | 25 | 1 | 25 |
| Family & Consumer Science | 1 | 20 | 1 | 20 | 2 | 40 | 2 | 40 |
| TE Shop | 2 | 40 | 2 | 40 | 3 | 60 | 3 | 60 |
| Gymnasium 6500+ SF | 1 | 66 | 1 | 66 | 1 | 66 | 1 | 66 |
| Auxiliary Gymnasium 2500+ SF | | 0 | | 0 | | 0 | | 0 |
| Adaptive Gym / Wrestling 1000+ SF | 1 | | 1 | | 1 | | 1 | |
| Locker Room / Team Room | 2 | | 2 | | 2 | | 2 | |
| Wrestling / Weight Rm | | | | | 1 | | 1 | |
| Training Room / Whirlpool | | | | | 2 | | 2 | |
| Officials / P.E. Office | 3 | | 3 | | 2 | | 2 | |
| Stage / Platform | 1 | | 1 | | 1 | | 1 | |
| Auditorium | 1 | | 1 | | 1 | | 1 | |
| Student Dining | 1 | | 1 | | 1 | | 1 | |
| Kitchen Areas | 1 | | 1 | | 1 | | 1 | |
| FUNCTIONAL CAPACITY | | 789 | | 729 | | 801 | | 781 |
| TOTAL CAPACITY | | 789 | | 729 | | 801 | | 781 |
| SPEC. EDUC. CAPACITY | | 50 | | 50 | | 70 | | 80 |

P.D.E. Capacity = 90% Utilization Factor; District Capacity = 80% Utilization Factor. District S.E. Capacity = 10 students per classroom.

Secondary Functional Capacity & Total Capacity includes all spaces that receive capacity. S.E. Capacity is not included in the Functional Capacity or Total Capacity.

# BUILDING CAPACITY OVERVIEW

## Explanation of Building Capacity and Adjustments

To properly analyze the impact of students on the Lehighton Area School District and its facilities, one must look at the functional capacity of the existing schools. The Pennsylvania Department of Education had established State standards and guidelines which, coupled with the District's program, can produce a rather straight forward calculation. The current use and State standards have been used to determine the building capacity. These capacities are then compared to the enrollment projections provided in this section of the Study.

The comparison between student projections and building capacities is shown in graphic illustration for the K-4; 5-8; 9-12; and K-12 grade alignments.

**The current building capacities have been evaluated and adjusted by the following:**

1. Capacity evaluation of current educational spaces against the Pennsylvania Department of Education (P.D.E.) guidelines for room size:
    a. Classrooms under 660 s.f. receive no capacity.
    b. Secondary spaces under 1,800 s.f. for Technology Education receive no capacity.
    c. Spaces must meet respective P.D.E. minimum size requirements to receive capacity.

2. Present use of space for activities other than original intent:
    a. Areas far too small to permit functional efficiency.
    b. Media Centers or other core facilities much smaller than recommended by guidelines.
    c. Absence of space recommended for some functions.
    d. Use of certain functional areas for general storage.
    e. Use storage spaces for instuctional areas.

3. Evaluation of building on Code requirements of physical facilities (i.e., toilet rooms).

4. Evaluation of specialized instruction beyond basic curriculum (i.e., music, art learning support, speech and language, Chapter 1, gifted and talented, and ancillary facilities for staff).

Future needs must look beyond merely a comparison between population and capacity projections. There is a need to look at curriculum, special programs, classroom size for all programs, and use of space not designed for current use.

# BUILDING CAPACITY OVERVIEW

## Explanation of Building Capacity and Adjustments

### Elementary Level

The Pennsylvania Department of Education (P.D.E.) assigns 25 students per regular classroom greater than 660 s.f. for the purposes of formulating State reimbursement.

There is a phenomenon at the Elementary level within School Districts that have multiple buildings to assign students from various regions, or neighborhoods. This phenomenon also is compounded by the fact that students do not always come in even increments of 25 students per grade, per classroom; therefore, the student efficiency of classrooms is not always 100%. In addition to this phenomenon, most School Districts prefer smaller classroom sizes at the Elementary level.

District capacities, therefore, also are provided for comparison with enrollment projections. In the case of the Lehighton Area School District, the District guidelines are 25 students per classroom for Kindergarten through through Fourth Grades; while Special Education Capacity is 10 students per classroom.

For the purpose of this study, Elementary *Functional Capacity* includes Graded Classrooms, while the *Total Capacity* also includes Regular Support Classrooms that are needed to support the educational program including Pre-Kindergarten Classrooms. These Regular Support Classrooms could temporarily serve as enrollment "bubble" classrooms. Elementary Schools typically do not receive capacity for other support spaces such as Art, Music and Computer Labs because when students are using these spaces their respective classrooms are unoccupied. While Special Education Capacity is listed separately and not included in the Functional Capacity or Total Capacity, it is included in reimbursement calculations.

### Secondary Grades

Students typically move between classes at the Secondary Level. Therefore, P.D.E. assigns capacity to specific instructional spaces that meet minimum size requirements. Regular classrooms greater than 660 s.f. receive a capacity of 25 while Laboratory spaces receive a capacity of 20. Since scheduling the facility at 100% is unlikely, a capacity utilization factor is then applied to the total. P.D.E. uses a capacity utilization factor of 90%; the District uses a capacity utilization factor of 80% for the Middle School and 90% for the High School.

For the purpose of this study, Secondary *Functional Capacity* and *Total Capacity* includes all spaces that receive capacity.

# EDUCATIONAL PROGRAM REQUIREMENTS

**Overview of Lehighton Area School District's Educational Program**

OUR DISTRICT

The Lehighton Area School District is located in the eastern central part of Pennsylvania, approximately 25 miles northwest of Allentown and affiliated with the Carbon-Lehigh Intermediate Unit #21. The district is comprised of 67 square miles and encompasses the borough of Lehighton Borough, Franklin Township, East Penn Township and Mahoning Township. Population is approximately 20,000 people as of the census of 2000 and the student population is approximately 2500.

Presently, there are four elementary buildings in the Lehighton Area School District, housing students in PREP-K through grade 4. The PREP-K program is a developmental kindergarten program for five year olds to address their developmental needs prior to regular kindergarten. All kindergarten programs are full day. One of the elementary sights is in the borough, East Penn Township, Franklin Township, and Mahoning Township. The middle school, grades 5-8 is located in the borough as well the High School, grades 9-12.

The district is primarily rural with a limited commercial and industrial base with a free and reduced lunch population ranging from 25-28%. Although this is the case, the Lehighton Area School District has continued to provide quality schools for the students. The district though, faces the challenge of community support through taxation efforts to sustain a quality program.

PERSONNEL

Lehighton Area School District sustains a strong commitment to providing our students with highly qualified state-certified professional employees to develop, deliver, and assess the curricular offerings of the district. The district currently employs 197 professionals for 2451 students which includes nurses and guidance counselors and two behavioral support therapists. The average teaching years of experience is 14.16 years with 54 % of professional staff at a master's degree level. Fifty-five support personnel assist in title programs, classrooms, computers/technology, health rooms, and special education programs. EST staff assists at the elementary level along with 4 reading specialists and four math teachers in Title programs. An ESL teacher is assigned to the ELL population K-12 and a school psychologist is part of the EST (becoming the Rti process) and testing of students who may require special education programs, out of district placements, 504 plans, and gifted. Other personnel include plant operations (37), cafeteria personnel (34) with leadership under the direction of Chartwells and secretarial support of 23 staff members. The administrative team consists of fourteen professionals.

# EDUCATIONAL PROGRAM REQUIREMENTS

**Overview of Lehighton Area School District's Educational Program**

SCHOOL LIBRARY RESOURCES

The Lehighton Area School District presently operates one library in each of the four elementary buildings. There is one library in the middle school and one library in the senior high school. The primary goal of the library program is to supply a variety of print and non-print resources as well as equipment to meet the various needs of the students and staff. The library program strives to provide services that will enhance the curriculum, create an environment that fosters interest in books, reading, and technology. The goals are accomplished by maintaining a collection that supplements the curriculum and fulfills Chapter 4 regulations, dissemination of the library holdings to students and staff, and instruction about resources and equipment that is integrated into various curricular areas. Students attend library classes regularly at the elementary level . A collection of 14,121 books are housed at the Franklin Elementary school and 5772 at the East Penn Elementary school, Shull David 5176 and Mahoning houses 4488. There are at least 4 computers in each elementary library with a teacher workstation.

The library curriculum for grades PREP-12 is board approved and librarians are in the process of mapping their integrated classes or specific classes offered to students as evidenced in the regularly scheduled classes for elementary students. The curriculum is reviewed and revised as necessary.

The district library program is staffed with four full-time librarians, two elementary librarians and two library paraprofessionals. The elementary librarians and paraprofessionals cover the program for four elementary buildings. The middle school librarian works in the library five days a week and shares a paraprofessional with the high school. The librarian at this level also assists with Study Island assessment and the mobile wireless lab for teacher use. The senior high librarian works at the high school five days a week , sharing the paraprofessional with the middle school.

# EDUCATIONAL PROGRAM REQUIREMENTS

**Overview of Lehighton Area School District's Educational Program**

CURRICULUM

All elementary students have access to equitable services and programs including full day kindergarten, strong Title I reading and math services, IST/RtI, Compass Learning, Waterford Early Learning, challenging curriculum, small group work, guided reading, a new reading series in 07-08, one on one instruction and many available resources. During the 06-07 academic year, the district implemented the use of AimsWeb in reading as a benchmark assessment to assess and implement strategies for attaining student success and purchase a wireless laptop cart that will hold up to 18 laptops to be used at one of the elementary buildings. Students have the opportunity weekly to participate in library, music, art and physical education/health. Gifted opportunities usually center around cultural events and enrichment support. Report cards are issued every nine weeks and parent conferences are held in November and spring. Kindergarten orientation is held in August as well as new student orientation. All elementary schools have a school-wide positive behavior program with positive re-enforcers as well as consequences for behavior.

Middle school uses a teaming concept that supports student success. All students are taught in the core academic subjects with many opportunities for exploratory classes in health and physical education, the arts, music, technology, family /consumer sciences, class futures. Identified gifted students use Rosetta Stone as part of their program. Study Island is used as a benchmark assessment three times a year and identifies students, as well as PSSA data, who are in need of an after school tutoring. An eight laptop wireless cart was purchased this year to be used in conjunction with the librarian and content teachers. Progress is reported every nine weeks with mid point reviews every three/four weeks and parent conferences in November and spring. Middle school orientation is held in August prior to the opening of school.

The high school operates on a block schedule of 84 minutes per block. Classes are offered as advanced placement, honors, academic and applied. Besides the math, social studies, science, English requirements, and physical education/health requirements, many opportunities exist that develop a student's creativity in the arts, including art classes, music, band, foreign languages (German and Spanish) and various other electives. There are several business classes including accounting, business law, and technology. There are twelve interactive whiteboards presently being used by high school staff. Dual enrollment is presently offered to students through the local community college (LCCC), other LCCC courses and the district staff. Alternative education is available for those not meeting high school standards. Students in grades 10-12 may choose to attend the Carbon Career and Technical Institute. Student progress is reported every six weeks to parents with a strong emphasis from administration to provide positive feedback weekly to parents on student success. Parent conferences are available in November and Spring. All incoming freshmen and their parents have orientation in late spring. Last year's graduating class reported that 73% would plan to attend post secondary schooling.

# EDUCATIONAL PROGRAM REQUIREMENTS

**Overview of Lehighton Area School District's Educational Program**

There are a variety of extracurricular offerings at both the middle school level and high school level including but not limited to many sports, clubs, and musical activities. Award winning musical events have been the norm within the district in the past several years. The girls' hockey team also won the district championship in 06-07 and individual students are recognized for state and regional competitions in sporting events and musical/art talent.

All students have access to guidance/counseling services as well as health services. Certified nurses operate the SAP program at the middle school and high school level along with the counselors. An elementary school wide behavior program exists with character education classes weekly as part of the process. Curriculum is reviewed on an on-going basis that supports academic success for all, a student centered focus, maintaining progress in curriculum offerings and choices, and textbook and technology updates.

The district operates their own special education program with a host of classes at the elementary, middle school, and high school level. These include life skills, itinerant resource services, part-time to full time classes, multi-handicapped, speech, gifted, 504 services, emotional support, and behavioral/learning support. The Intermediate Unit #21 operates the multi-handicapped class for elementary age students. The percentage of identified special education students PREP-K through grade 12 is 16%.

The strengths of our students and community are:

~students who are interested learning
~supportive school board
~dedicated teachers who are highly qualified
~a variety of extracurricular offerings
~challenging curriculum
~strong partnerships with parents and community
~high achievement in writing as measured on the PSSA's for grade 11

Our needs include:

~improved academic proficiency as demonstrated in the PSSA scores in reading and math
~more access to technology and integration into the curriculum
~increase staff morale
~more career opportunities for career based learning such as job shadowing to make life experiences more relative
~increase budget for technology needs
~increase achievement of the special needs students

# EDUCATIONAL PROGRAM REQUIREMENTS

**Overview of Lehighton Area School District's Educational Program**

Under the direction of the newly appointed superintendent in July, 2007, a sense of urgency was created to move the district forward under three main goals:

* Student Achievement- The LASD will design, implement, and evaluate a comprehensive plan to significantly improve student achievement.
* Develop and reinforce a student-centered environment fostered by all district personnel that promotes success for all.
* To promote the most effective, up-to-date technology to maximize benefits to our school and community.

The Lehighton Area School District's mission is:

**Partnering with students, families, and community to provide opportunities for life-long success through academic excellence and individual growth in a safe and supportive environment.**

The District's vision is:

**Educating together to prepare our students for life's journey.** Based upon this vision, the district, in conjunction with the Carbon County Career Technical Center, continually strives to educate all students in collaboration with parents and community members. We are a community of learners where learning is highly valued . Educators strive to maintain and improve instructional programs that meet with high expectations for all. The key to our high expectations is to continue learning the best instructional practices, along with technologies, that will assist our students to be successful contributing members in society. The district will strive to implement technology that will enhance instruction, motivate students and engage the community to create best instructional practices. Our vision continues to support the utilization of strategies that will maximize time and efforts of both staff and our students. Needless to say, we pride ourselves in our continuous dedication and commitment to maximizing individual growth that supports **Educating together to prepare our students for life's journey.**

# EDUCATIONAL PROGRAM REQUIREMENTS

**Overview of Lehighton Area School District's Educational Program**

Lehighton Area School District Shared Values:

1. Every student has the right to learn in a safe, supportive environment.
2. All students, regardless of diverse backgrounds and needs, are capable of learning and must be respected as individual learners developing skills appropriate to their fullest potential.
3. Learning is a life-long process that begins within the family and is encouraged through the partnership of all shareholders.
4. High standards and expectations, incorporated with varied extra-curricular programs, provide for a well-rounded education.
5. Excellence in education requires time, effort, effective communication, and cooperation by the educational community as well as the community at large.
6. To make responsible career and life choices, all students must learn to communicate, collaborate, problem solve, develop higher level thinking skills, and use technology efficiently.
7. The development of a strong work ethic is necessary to enable students to become self-directed and life-long learners.
8. Students learn best from highly qualified, caring and well-trained educators.
9. Through a positive work environment and focused efforts, our employees will make strong contributions to the District's operational success.
10. The educational system must continuously re-examine its purpose, financial commitment, programs, curriculum, and direction in order for a democratic society to flourish.

ACADEMIC STANDARDS

The Pennsylvania Academic Standards describe the knowledge and skills while students will be expected to acquire and demonstrate in the Lehighton Area School District. The district shall provide for the attainment of the academic standards as described in chapter 4, Section 12 of the PA Code. The guiding standards of reading, writing, speaking, listening, mathematics, science and technology, arts and humanities, family and consumer sciences, history and career education will be the steering wheel that guides district programs and curricular development. Within the development of the district curriculum through curriculum mapping, the PA Standards are addressed as well as reading, math and science anchors in order to address these anchors within the other content areas. The district engages each curricular area for review and alignment. The district curriculum, based upon the standards, serves as the measure of student achievement with benchmark guidelines at each grade level, PREP-12.

Curriculum mapping has been undertaken during the 07-08 academic year with all district personnel. Elementary staff is completing reading, middle and high school staff are designing their content and reading maps. During the life of this strategic plan, the district will continue to map, revise curriculum and assessments in order to ensure alignments with PDE approved standards/anchors in the following content:

# EDUCATIONAL PROGRAM REQUIREMENTS

**Overview of Lehighton Area School District's Educational Program**

**Reading, Writing, Speaking, Listening:**

**Reading** - The application of phonemic awareness, phonics, and word study, vocabulary, fluency, and text comprehension in reading critically across subject areas; the interpretation and analysis of literary expression with analysis of the origins and structures of the English language; and learning how to search a variety of texts to conduct research.

**Writing**- Narrative, informational, and persuasive formal writing for an audience, including spelling and editing skills; and informal writing to capture and organize information for individual use.

**Speaking and Listening**- Participation in conversation and formal speaking presentation.

**Mathematics:**

The understanding of fundamental ideas and the development of proficient mathematical skills in numbers, computation, measurement, statistics and data analysis, probability and predictions, algebra and functions, geometry, trigonometry and concepts of calculus. Using this content, students will learn to think, reason, communicate mathematically, and utilize modern and effective technology in mathematical concepts and skills.

**Science and Technology:**

Study of the natural world and facts, principles, theories and laws in the areas of biology, chemistry, physics, and earth sciences. Technology is the application of science to enable societal development including food and fiber production, manufacturing, building, transportation and communication. Science and technology share the use of the senses, science processes, inquiry, investigation, analysis and problem solving strategies.

**Environment and Ecology:**

Environment and Ecology is concerned with the interrelationships among components of the natural and human-made world. These components incorporate the disciplines of ecology, resource management, agriculture diversity, government and the impact of human actions on natural systems. This interaction leads to the study of watersheds, threatened and endangered species, pest management and the development of laws and regulations that protect, control and manage the environment to meet societal needs for long term sustainability.

**Social Studies:**

**History-** Study of the record of human experience including important events; interactions of culture, race and ideas; the nature of prejudice; change and continuity in political systems; effects of technology; importance of global-international perspectives; and the integration of geography, economics, and civic studies of major developments in the history of Pennsylvania, the United States and the World.

**Geography-** Study of relationships among people, places, and environments, of geographic tools and methods, characteristics of place, concept or region and physical processes.

# EDUCATIONAL PROGRAM REQUIREMENTS

**Overview of Lehighton Area School District's Educational Program**

**Social Studies (continued):**

**Civics and Government-** Study of the United States Constitutional democracy, its values and principles, study of the Pennsylvania Constitution and government including the study of principles, study of operations and documents of governments, rights and responsibilities of citizens, how governments work and international relations.

**Economics**- Study of how individuals and societies choose to use resources to produce and distribute consumer goods and services. Knowledge of economic reasoning and basic economic concepts, economic decision making, economic systems, Pennsylvania and the US economy and international trade.

**Arts and Humanities:**

Study of dance, theater, music, visual arts, language and literature including forms of expression, historical and cultural context, critical and aesthetic judgment and production performance or exhibition of work.

**Career Education and Work:**

Understanding career options in relationship to individual interests, aptitudes, and skills including the relationship between changes in society, technology, government, and economy and their effect on individuals and careers. Development of knowledge and skills in job seeking and job-retaining skills and , for students completing vocational-technical programs, the skills to succeed in the occupation for which they are prepared.

**Family and Consumer Sciences:**

Understanding the role of consumers as a foundation for managing valuable resources to provide for personal and family needs and to provide basic knowledge of child health and child care skills.

**Health, Safety, and Physical Education:**

Study of concepts and skills which affect personal, family, and community health and safety, nutrition, physical fitness, movement concepts and strategies, safety in physical activity settings, and leadership and cooperation in physical activities.

**World Language:**

Ability to communicate in a language other than English, including the ability to understand and interpret written and spoken language on a variety of topics and to develop knowledge and understanding of other cultures.

In addition to the district curriculum, Lehighton offers vocational programs in conjunction with the Carbon County Career Institute. Vocational programs and competencies include programs of study in Building Trades, Automotive Technology, Electronics, Food Management, Cosmetology, Health Care and Business Education.

# EDUCATIONAL PROGRAM REQUIREMENTS

**Overview of Lehighton Area School District's Educational Program**

GRADUATION REQUIREMENTS

In order to graduate from the Lehighton Area High School students must successfully complete areas I, II, III, and IV as presented in the table below.

**Area I- Course Completion**
All students must successfully complete 28 credits in the following pattern of courses.

| Course Area | Credits |
|---|---|
| Language Arts | 4.0 |
| Mathematics | 4.0 |
| Science | 3.0 |
| Social Studies | 4.0 |
| Wellness | 1.0 |
| Fitness | 1.0 |
| Independent Living | 1.0 |
| Advanced Word Processing | 1.0 |
| Arts and Humanities | 2.0 |
| Electives | 8.0 |

**Area II- Student Project**
All students must successfully complete, as defined by the assessment criteria, a student project by the end of the first semester of their senior year. Each student is required to complete an educational project related to the student's area of career interest and academic pathway which combines essential learning activities, and is designed to be comprehensive and of the highest quality, both in scope and breadth. By 12th grade, students are required to submit and present a completed project summarizing their conclusions, project steps, and self-evaluation.

**Area III- Successful Achievement of PA Academic Standards**
Each student must successfully master the PA Academic Standards and Assessment Anchors in the core academic areas of English, math, science, and social studies. Starting with the graduating class of 2014, to ensure students demonstrate proficiency in all the core areas, there will be a menu of ways to show they have mastered the necessary skills. These options include:
* Passing the new Graduation Competency Assessments.
* Passing the Pennsylvania System of School Assessment.
* Passing an Advanced Placement or International Baccalaureate test.
* Passing a local assessment that independent evaluators certify is equivalent to Graduation Competency Assessments.

**Area IV- Academic Experience**
Students will select from one of the following to complete the fourth required area for graduation.
1. College or Dual Enrollment Course
2. Job Shadowing
3. Community Service
4. Distance Learning Course
5. Internship

# EDUCATIONAL PROGRAM REQUIREMENTS

**Overview of Lehighton Area School District's Educational Program**

**Measurable Annual Improvement Targets**

The Lehighton Area School District will strive to reach high quality achievement through constant monitoring of implementation of assessments, staff development, and improved parental involvement. The District will begin by assessing and analyzing students to identify below basic, basic, proficient, and advanced levels of achievement. Working in collaboration, all teachers will explore best practices in data based assessments in reading, writing, math, and science to continue to improve curriculum development.

The following are the District's measurable annual improvement targets:

**By the year 2014, all Lehighton Area School District elementary students will demonstrate increased academic proficiency in writing, reading, science and math skills as evidenced by the following measures:**

- Improve grades 3 and 4 PSSA scores in reading by 3% per year in order to target 100% proficiency by 2014.
- Meet Adequate Yearly Progress (AYP) targets in science based on the science PSSA scores for the general population.
- Increase grades 3 and 4 PSSA scores in math by 4% per year in order to target 100% proficiency by 2014.
- Increase the academic proficiency in reading and math of elementary special education students by 6% per year in order to target 100% proficiency and /or reach safe harbor by 2014.

**By the year 2014, all Lehighton Area School District middle school students will demonstrate increased academic proficiency in writing, reading, science and math skills as evidenced by the following measures:**

- Improve grades 5-8 PSSA scores in writing by 4% per year in order to target 100% proficiency by 2014.
- Improve grades 5-8 PSSA scores in reading by 5% per year in order to target 100% proficiency by 2014.
- Meet Adequate Yearly Progress (AYP) targets in science based on the science PSSA scores for the general population.

## EDUCATIONAL PROGRAM REQUIREMENTS

**Overview of Lehighton Area School District's Educational Program**

- Improve grade 5 PSSA scores in writing by 3.5% per year in order to target 100% proficiency by 2014.
- Improve grades 5-8 PSSA scores in math by 5% per year in order to target 100% proficiency by 2014.
- Increase the academic proficiency in writing, reading, and math of the middle school special education students by 8% in order to target 100% proficiency and/or reach safe harbor by 2014.

**By the year 2014, all Lehighton Area School District high school students will demonstrate increased academic proficiency in writing, reading, science and math skills as evidenced by the following measures:**

- Improve grade 11 PSSA scores in writing by 4% per year in order to target 100% proficiency by 2014.
- Improve grade 11 PSSA scores in reading by 5% per year in order to target 100% proficiency by 2014.
- Meet Adequate Yearly Progress (AYP) targets in science based on the science PSSA scores for the high school population.
- Improve grade 11 PSSA scores in math by 5% per year in order to target 100% proficiency by 2014.
- Increase the academic proficiency in writing, reading, science, and math of the high school special education students by 10% per year in order to target 100% and/or reach safe harbor by 2014.

# PART III
# FACILITIES

# FACILITIES INTRODUCTION

This section of the Feasibility Study is a review of the existing Lehighton Area School District's Facilities, which include East Penn, Franklin, Mahoning, and Shull-David Elementary Schools; Lehighton Area Middle School; and Lehighton Area High School / District Administration Offices. Each facility section includes general data, site plans, site evaluation, and a general investigation.

Following each Facility's Site Plan and accompanying photographs, which show existing site utilization, is a general investigation identifying site improvements, recommending solutions, and furnishing estimates of probable construction costs.

This analysis is based upon visits to all of the District's properties and interviews with District personnel, current building codes, Department of Education standards, energy conservation measures, and the American Disability Act Accessibility Standards (ADA). The analysis is divided into seven major sections determined by the primary buildings and uses on the six District sites. The Facility evaluations are outlined on the following pages.

# FACILITIES SUMMARY

## Lehighton Area School District's Existing Facilities

The following information is included for each existing Facility: General Data, Exterior Site Photos, Aerial Site Views and Site Plan, Analysis of Deficiencies and Improvements, and Summary of Costs for Site Improvements and Construction Costs data.

### East Penn Elementary School



**Built:** 1954, A&A 1991 (PlanCon Part G)

| | | |
|---|---|---|
| **Site Size:** | | 12.65 acres |
| **Architectural Area:** | | 24,270 SF |
| **Current Enrollment:** | | 147 Students |
| **PDE Total Capacity:** | | 175 |
| **PDE Replacement Value:** | $ | 2,881,900 |
| **20% Rule:** | $ | 576,380 |
| **Site Improvements and Construction Costs** | | |
| **Total Building:** | $ | 3,771,950 |

### Franklin Elementary School



**Built:** 1954, A&A 1992 (PlanCon Part G)

| | | |
|---|---|---|
| **Site Size:** | | 25.5 acres |
| **Architectural Area:** | | 39,915 SF |
| **Current Enrollment:** | | 271 Students |
| **PDE Total Capacity:** | | 375 |
| **PDE Replacement Value:** | $ | 6,175,500 |
| **20% Rule:** | $ | 1,235,100 |
| **Site Improvements and Construction Costs** | | |
| **Total Building:** | $ | 5,337,825 |

# FACILITIES SUMMARY

## Lehighton Area School District's Existing Facilities

### Mahoning Elementary School




**Built:** 1954, A&A 1991 (PlanCon Part G)

| | | |
|---|---|---|
| **Site Size:** | | 7.13 acres |
| **Architectural Area:** | | 28,470 SF |
| **Current Enrollment:** | | 225 Students |
| **PDE Total Capacity:** | | 275 |
| **PDE Replacement Value:** | $ | 4,528,700 |
| **20% Rule:** | $ | 905,740 |
| **Site Improvements and Construction Costs** | | |
| **Total Building:** | $ | 4,172,200 |

### Shull-David Elementary School



**Built:** 1959, A&A 1993 (PlanCon Part G)

| | | |
|---|---|---|
| **Site Size:** | | 3.63 acres |
| **Architectural Area:** | | 38,515 SF |
| **Current Enrollment:** | | 298 Students |
| **PDE Total Capacity:** | | 350 |
| **PDE Replacement Value:** | $ | 5,763,800 |
| **20% Rule:** | $ | 1,152,760 |
| **Site Improvements and Construction Costs** | | |
| **Total Building:** | $ | 4,766,250 |

# FACILITIES SUMMARY

## Lehighton Area School District's Existing Facilities

### Lehighton Area Middle School




**Built:** 1964, A&A 1993 (PlanCon Part G)

| | | |
|---|---|---|
| **Site Size:** | 17 acres | |
| **Architectural Area:** | 118,450 SF | |
| **Current Enrollment:** | 727 Students | |
| **PDE Total Capacity:** | 917 | |
| **PDE Replacement Value:** | $ | 20,189,589 |
| **20% Rule:** | $ | 4,037,918 |
| **Site Improvements and Construction Costs** | | |
| **Total Building:** | $ | 12,471,000 |

### Lehighton Area High School



**Built:** 1992 (PlanCon Part G)

| | | |
|---|---|---|
| **Site Size:** | 91.52 acres | |
| **Architectural Area:** | 148,940 SF | |
| **Current Enrollment:** | 701 Students | |
| **PDE Total Capacity:** | 931 | |
| **PDE Replacement Value:** | $ | 20,497,827 |
| **20% Rule:** | $ | 4,099,565 |
| **Site Improvements and Construction Costs** | | |
| **Total Building:** | $ | 9,895,250 |

## FACILITIES SUMMARY

### Lehighton Area School District's Existing Facilities

### Lehighton Area Stadium and Field House



| | |
|---|---|
| **Built:** | In the 1940's |
| **Site Size:** | 17 acres |
| **Architectural Area:** | 4,000 SF |
| **Current Enrollment:** | N/A |
| **PDE Total Capacity:** | N/A |
| **PDE Replacement Value:** | N/A |
| **20% Rule:** | $ - |
| **Site Improvements and Construction Costs** | |
| **Total Building:** | $ 838,700 |

### Lehighton Area District Administration Office




| | |
|---|---|
| **Built:** | 1994 |
| **Site Size:** | 91.52 acres |
| **Architectural Area:** | 17,330 SF |
| **Current Enrollment:** | N/A |
| **PDE Total Capacity:** | 29 |
| **PDE Replacement Value:** | $ 638,493 |
| **20% Rule:** | $ 127,699 |
| **Site Improvements and Construction Costs** | |
| **Total Building:** | $ 288,500 |

The evaluation of the existing facilities are based upon visits to the buildings, interviews with District personnel, and our own experience with educational projects.

The following current, applicable codes and standards are used in the evaluation of the building and its systems / components:

- 2006 International Building Code Categories
- Americans with Disability Act (ADAAG 1994)
- Municipal Zoning Ordinance
- Other Codes used in the evaluation for compliance are the National Plumbing and Electrical Codes

The evaluation criteria are based upon the following categories: Accessibility / ADA, Building codes / Safety, Aesthetics / Environment, Performance / Energy, and Program and Facility requirements.

## ■ ACCESSIBILITY / ADA STANDARDS / COMPLIANCE

Facilities should provide access to all program areas and activities for all individuals, per the Americans with Disabilities Act Accessibility Guidelines, 1990 (ADA/ADAAG), as revised 1994. The Americans with Disabilities Act (ADA) is a civil rights act, effective 26 January 1992, enforced by the United States Justice Department and Civil Law, not a building code. It is comprised of five major sections (Titles I – V) as follows:

TITLE I – Equal Employment Provisions (hiring)
TITLE II – Nondiscrimination in State and Local Government Services (public buildings)
TITLE III – Nondiscrimination by Public Accommodations (privately funded facilities)
TITLE IV – Telecommunications Relay Services
TITLE V – Provisions

Public schools are State agencies/local governmental unit and would fall under TITLE II. A public entity must ensure that individuals with disabilities are not excluded from services, programs, and activities because existing buildings are inaccessible. Public entities do not necessarily have to make each of their existing facilities accessible. They may provide program accessibility by a number of methods including alteration of existing facilities, construction of additional facilities, relocation of a service or program to an accessible facility, or provision of services at alternate accessible sites. Structural changes needed for program accessibility must be made as expeditiously as possible, but no later than 26 January 1995. Barrier removal need to be accomplished only when it is “readily achievable” to do so and technically feasible. Readily achievable means easily accomplishable and able to be carried out without much difficulty or expense. Alternatives may be considered to overcome such barrier or non-compliance.

## ■ ACCESSIBILITY / ADA STANDARDS / COMPLIANCE (Con't)

Alterations when made should be done in a manner that require compliance with the standards to the maximum extent feasible. An alteration is a change, which affects, or could affect, the usability of the building or facility. It also includes "elements," such as door handles and faucet controls. If alterations are made to an area that contains a primary function, a path of travel to that area should be made accessible. The ADA addresses the issue of accessible design for large assembly areas, with the intent of integrating wheelchair seating with regular seating. That is, individuals in wheelchairs should have a line of sight compatible to the general body. Too often, wheelchair areas are confined to the back or to the front.

As part of the upgrading and alteration of District facilities, the District's requirements for ADA compliance should reflect the overall integration of people who may wish to participate in activities within these facilities, and who may be on staff serving these facilities. The District may wish to review its policy, procedure, and practice, with regard to use at these facilities. The physically challenged person should have the ability to gain entry and be routed to seating easily. The required number of seats for the disabled should be located to allow for a maximum of seating location choices. The following areas are reviewed:

(1) Provide the appropriate number of accessible parking spaces near entrance to all facilities.
(2) Provide an accessible route from parking spaces to building entrances.
(3) Provide accessible entrance at all facilities.
(4) Provide proper signage both on the exterior, as well as on the interior, designed to guide, direct, and inform individuals with disabilities.
(5) Provide accessible interior route to all primary activities and program areas.
(6) Provide building elements (i.e. railings, doors, hardware, restrooms, drinking fountains, elevators, public telephone, seating, work stations, etc.) to allow same opportunities for individuals with disabilities.
(7) Provide alternate solutions to move activities and program areas to accessible areas.

## ■ BUILDING CODES / SAFETY

Buildings must meet the codes that are applicable at the time of construction. Existing buildings may not meet the requirements of the most recent adopted codes, but are in compliance with the codes that were in effect at the time of construction or renovation.

Existing buildings as they stand are not required to meet current code simply due to the adoption of newer codes. Any new construction or renovations would be required to comply with the current applicable code.

**The type, limit of area of work, and nature of work will be the determining factor as to the required level of compliance with the most recent adopted codes and be categorized under the following levels.**

**IEBC-SECTION 302 REPAIRS**

302.1 **Scope**. Repairs, as defined in Chapter 2, include the patching or restoration of materials, elements, equipment, or fixtures for the purpose of maintaining such materials, elements, equipment, or fixtures in good or sound condition.

302.2 **Application**. Repairs shall comply with the provisions of Chapter 4 (not make building less conforming than before repair was undertaken).

**IEBC-SECTION 303 ALTERATION-LEVEL 1**

303.1 **Scope**. Level 1 alterations include the removal and replacement, or the covering, of existing materials, elements, equipment, or fixtures using new materials, elements, equipment, or fixtures that serve the same purpose.

303.2 **Application**. Level 1 alterations shall comply with the provisions of Chapter 5.

**IEBC-SECTION 304 ALTERATION-LEVEL 2**

3043.1 **Scope**. Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.

304.2 **Application**. Level 2 alterations shall comply with the provisions of Chapter 5 for Level 1 alterations, as well as the provisions of Chapter 6.

**IEBC-SECTION 305 ALTERATION-LEVEL 3**

305.1 **Scope**. Level 3 alterations apply where the work area exceeds 50 percent of the aggregate area of the building.

305.2 **Application**. Level 3 alterations shall comply with the provisions of Chapters 5 and 6 for Level 1 and 2 alterations, respectively, as well as the provisions of Chapter 7.

Facilities should meet the following health and safety issues:

(1) Pedestrian and vehicular circulation paths should be well lighted and provide clear site lines and field of views.
(2) Safe drop-off and pick-up areas should be provided with good separation from other functions.
(3) Fences should be located at appropriate points to separate pedestrian activities from hazardous elements, and to protect individuals or property from attack.
(4) Design of site elements should provide good drainage to prevent ponding or icy conditions.
(5) Entrances and exterior doors should meet appropriate level of security to control unwanted visitors, and reduce risk of threats (key consideration where children are located.)
(6) Correct any issues driven by user welfare or recognized health hazards.

## ■ AESTHETIC / ENVIRONMENT UPGRADES

All facilities require on-going maintenance attention at the current level or better. Preventative maintenance and repair will have a major effect on the appearance, while protecting the physical soundness of the facilities.

The facility should be enhanced by finishes and designs that exemplify the “state-of-the-art” in public accommodations. Finishes of walls should reduce reverberation and echo in event areas, and should add to the focal points. Carpet should support comfortable mobility, without creating resistance to equipment supports (i.e., crutches, canes, wheelchairs, moving AV equipment). Hard floor surfaces should be slip-resistant (0.6 coefficient wet/dry). Ceilings should maximize reflectance. Color contrasts between different surfaces should be distinct between floors, walls, and ceilings. Color should guide the eye from dark to light, to the focal points of events. The lightest areas in the lecture hall should be where speakers, presentations, projected images, and events are positioned. Material selection should also consider durability and maintenance.

The facilities should present an environment that is clean, pleasant, and enhances the activities within the space. Facilities should consider the following conditions:

(1) Well balanced and flexible lighting.
(2) Appropriate color selection and finish materials.
(3) Interior finishes and products adequately installed and maintained. Replace worn, torn, or broken products.

## ■ PERFORMANCE / ENERGY UPGRADES

Beyond Code compliance, aesthetic quality, and nature of the environment, is the performance of the facilities and building systems. Since the installation of many of the building component systems, there have been significant advancements in technology. The design requirements for facilities are at a different standard today, and there is a need to improve the efficiency, where possible, and correct any outdated and obsolete items.

The facilities should operate at an energy efficient level and provide comfortable environment for all users.

An increase in the performance characteristics of several of the buildings’ component systems, due to age and condition of existing system or a need to improve efficiency, causes the following upgrades:

(1) Correct deficiencies with regard to extending the life of building systems and components.
(2) Building envelope, lighting, mechanical, and other issues, related to energy conservation, should meet current standards and future concerns.

## ■ PROGRAM REQUIREMENTS AND UPGRADES

As the School District's student population changes and while facilities become older, the adequacy of building organization and spaces become more critical to meeting the current educational program.

The intent of the educational review is to help support the role of the District in determining the scope of any potential changes, improvements, or enhancements to meet both current standards as well as future visions. The following issues are reviewed that will be supportive of the District's Educational Program for the next 20 years:

- Classrooms that meet State standards for size and functions (provide instructional space that allows several types of teaching and learning activities.
- Current instructional practices require greater hands-on and group activities integrated with technology requiring greater space per school.
- A growing special educational population, coupled with the need for inclusion, requires more space for instruction and support positions.
- The number of meeting spaces for a range of size for conferences, teacher-parent, staff, and other interactions, which are properly located and have privacy.
- Use of technology and presentation space for staff and students (wireless laptops, projection systems, etc.)
- Are there current programs or activities that are located in appropriate rooms or areas due to size, location, or environment?
- Are required features of the learning environment missing, outdated, or not operational?
- Are community needs addressed?
- Review emerging educational offerings and trends.
- Review specialized facilities for Athletics, Performing Arts, or Fine Arts.
- Cafeteria and Food Service functions that meet current standards or desired accommodations.
- Administration and office areas that are adequate for modern educational facilities and provide supportive environment critical for today's population and needs.
- Address student needs that provide opportunities to perform and achieve adequate progress in learning and social development.

# ORDINANCE REVIEW

## Zoning Ordinance

### 1. Borough of Lehighton (Lehighton High School, Middle School & Shull-David

a. Zoning District: R-1 Low Density Residential
b. Schools are classified as a “Special Use” within this District
c. Required Parking (Elementary & Secondary Public Schools):
   1 space per every 15 classroom seats
   No specific requirement for Stadium or Assembly

### 2. Mahoning Township (Mahoning Elementary School)

a. Zoning District: R-2 Low Density Residential
   ***Part of property may be in R-1 Agricultural Rural District*
b. Schools would be classified as a “Conditional Use” in each district
c. Required Parking (Schools):
   1 space per each three (3) seats provided for public assembly

### 3. East Penn Township (East Penn Elementary School)

a. Zoning District: BC Business Commercial
b. Schools are not listed as a permitted or special exception use
c. Required Parking (Educational Institution):
   1 space per employee plus 1 space per 4 seats of auditorium

### 4. Franklin Township (Franklin Elementary School)

a. Zoning District: R – Residential
b. Public schools are classified as a permitted use
c. Required Parking (School):
   1 space per every 5 seats provided

EAST PENN ES

## GENERAL DATA

### East Penn Elementary School

**Built:** 1954, with additions/alterations 1991 (PlanCon Part G)

**Site:** 12.65 acres, located in a residential area with paved drives, parking, play areas, and ball field.

**Structure:** One-story building with concrete floors, metal roof decks, and masonry walls. Unprotected, non-combustible construction in accordance with current PA Department of Labor and Industry building code (2006 International Building Code - Type 2B).

**Heating System:** Steam generated from two cast iron low pressure steam boilers. The boilers are fired with LP gas. Steam is distributed to Classroom Unit Ventilators, wall fin heaters, cabinet heaters, and other miscellaneous heating units.

**Ventilation Systems:** Outdoor air is provided through the classroom unit ventilators. Toilet rooms have exhaust ventilation systems.

**Control System:** Pneumatic control system

**Air Conditioning System:** Window units are installed to serve the Principal office and computer room. Ceiling fans are provided in classrooms to help with comfort.

**Plumbing Services:** Propane fired 86 gallon water heater with a hot water recirculation system.

**Water Heating:** Well water and on-site sewer systems

**Electrical Service:** 120/208 volt; 3-phase; 600 amp

**Systems:**

| | |
|---|---|
| Fire Alarm System | Data Network |
| Minimal Emergency Lighting | CATV |
| Intercom / Program System | VOIP Telephone System |
| Atomic | Video Surveillance |

**Architectural Area:** 24,270 SF

**PDE Replacement Value:** $2,881,900 ( 175 FTE x 92 sf = 16,100 x $179 / sf = replacement cost )
$576,380 ( 20% Rule )

**PDE Total Capacity:** 175

**Current Enrollment:** 147 Students

# PHOTOGRAPHS

## East Penn Elementary School














# PHOTOGRAPHS

## East Penn Elementary School













# PHOTOGRAPHS

## East Penn Elementary School













# PHOTOGRAPHS

## East Penn Elementary School













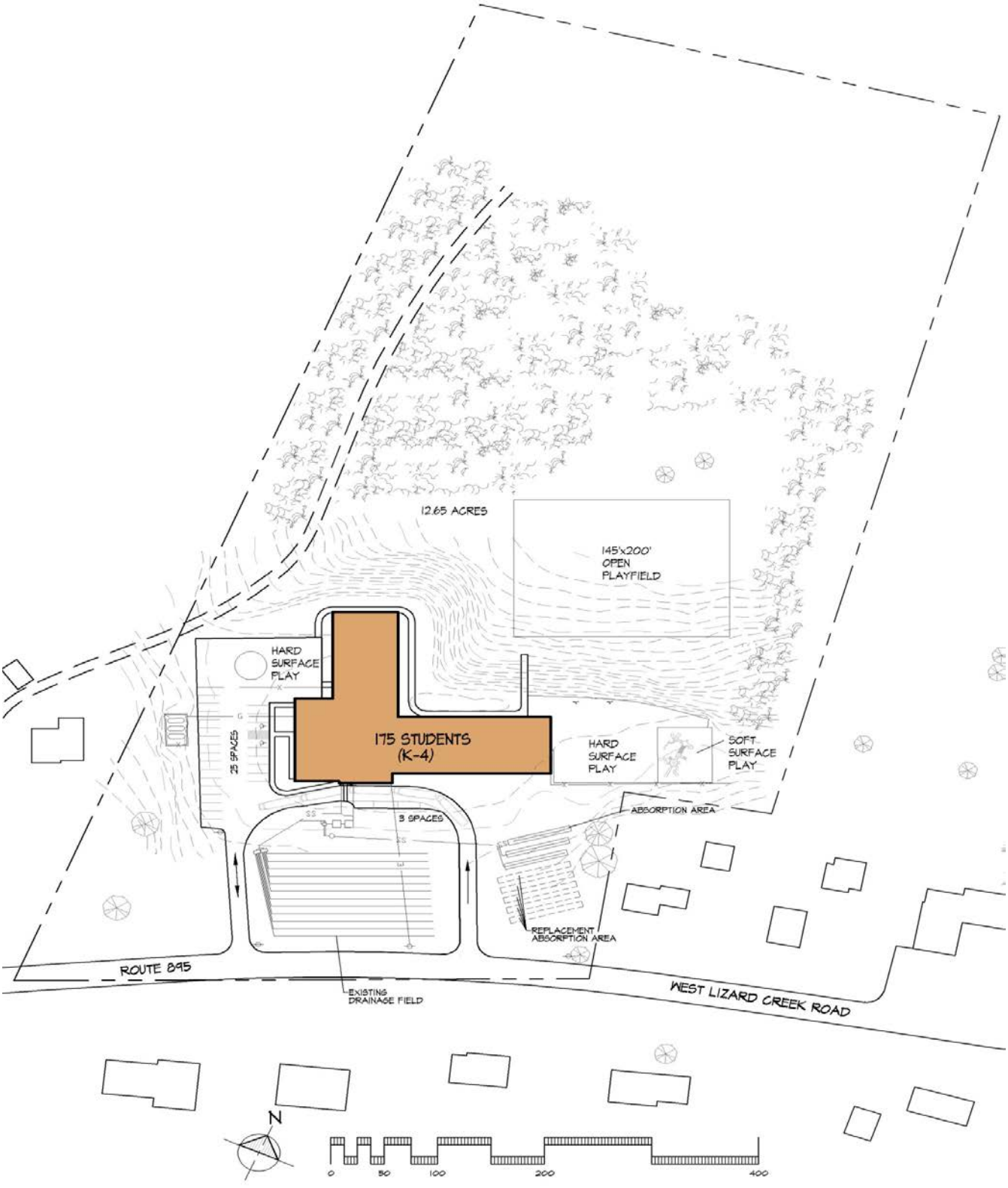

## AERIAL VIEW

### East Penn Elementary School



# EXISTING SITE PLAN

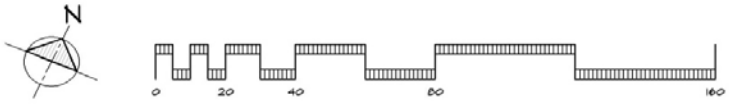
## East Penn Elementary School



# EXISTING BASEMENT FLOOR PLAN

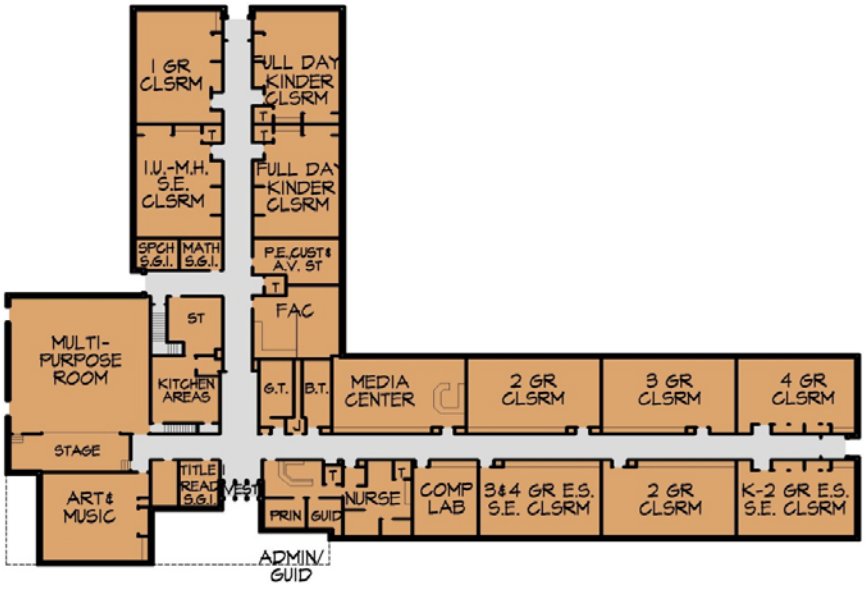
## East Penn Elementary School



# EXISTING FIRST FLOOR PLAN

## East Penn Elementary School



# EXISTING ROOM SCHEDULE

## East Penn Elementary School

| Educational Space | No. | Area | Total | Capacity |
|---|---|---|---|---|
| Full Day Kindergarten | 2 | 800 | 1,600 | 50 |
| First Grade Clsrm | 1 | 840 | 840 | 25 |
| Second Grade Clsrm | 2 | 870 | 1,740 | 50 |
| Third Grade Clsrm | 1 | 870 | 870 | 25 |
| Fourth Grade Clsrm | 1 | 760 | 760 | 25 |
| Support Classroom | | | 0 | 0 |
| Pre-Kindergarten | | | 0 | 0 |
| Modular Clsrm | | | 0 | |
| Special Educ Clsrm | 2 | 780 | 1,560 | |
| I.U. / S.E. Clsrm | 1 | 800 | 800 | |
| S.E. Seminar / S.G.I. | | | 0 | |
| Media Center | 1 | 865 | 865 | |
| Small Group Instruction | 3 | 125 | 375 | |
| Large Group Instruction | | | 0 | |
| Science / Tech Lab | | | 0 | |
| Computer Lab | 1 | 420 | 420 | |
| Art Classroom | 1 | 830 | 830 | |
| Music Classroom | Share w/ Art | | 0 | |
| Band/Orchestra/Choral | | | 0 | |
| Music S.G.I. | | | 0 | |
| Gym/Multi-Purpose | 1 | 1,660 | 1,660 | |
| Locker/Changing Rm | | | 0 | |
| Stage/Platform | 1 | 400 | 400 | |
| Student Dining | | | 0 | |
| Kitchen Areas | 1 | 650 | 650 | |
| Administration / Guidance | 1 | 460 | 460 | |
| Health Suite | 1 | 435 | 435 | |
| Faculty Dining / Workroom | 1 | 515 | 515 | |
| Faculty / I.P.C. | | | 0 | |
| FUNCTIONAL CAPACITY | | | | 175 |
| TOTAL CAPACITY | | | | 175 |
| S. E. CAPACITY | | | | 75 |
| SCHEDULED AREA | | | 14,780 | |
| ARCHITECTURAL AREA | | | 24,270 | |

P.D.E. Capacity: 25 students per classroom. District Capacity: 25 students per classroom.

Elementary *Functional Capacity* includes Graded Classrooms, while the *Total Capacity* also includes Support Classrooms that are needed to support the educational program including Pre-Kindergarten. Special Education Capacity is not included in the Functional Capacity or Total Capacity.

The Existing building capacity may have been adjusted to represent the intended or adjusted use of space, therefore, showing respective support classrooms including Art, Music and Computer Education spaces. The area of existing spaces may be an average of respective spaces.

# SUMMARY: SITE IMPROVEMENTS

## East Penn Elementary School

East Penn Elementary School is located along State Route 895 in East Penn Township, Carbon County. The site contains the existing Elementary School; paved parking facilities; a hard play area and soft play areas; and a large, elevated playfield in the rear of the school. The original building is served by an existing septic drainfield in front of the School, and previous additions are served by a sand mound that is built into the embankment to the southeast of the School.

Only one entrance exists for both parents and buses to drop-off and pick-up students. Parking spaces are located along one side of the main driveway entrance. The condition of the existing pavement in both the driveway/parking lot and the hard play area is poor, and is starting to break up/crack. The site does not contain adequate parking spaces for the amount of staff present as vehicles are parking on the grass adjacent to the driveway entrance. At the parking area to the west of the School, there is no separation between the cars and the pedestrian sidewalk (i.e., bumper blocks or concrete curbing). It is our understanding that the fence around the existing play areas is to have new mesh installed shortly; however, some of the fence posts and rails should also be replaced. The site and parking areas do not contain site lighting other than building mounted-lights. There is a paved walkway that runs behind the building. A large open field located north of the building drains overland towards the building. There are no drainage structures to the immediate north of the School and there is very little positive drainage to direct run-off around the rear of the building. It appears as though any standing water will sit in the lawn area adjacent to the paved walkway, north of the building; however, School District personnel have reported instances of water seeping into the building crawlspace. It is our understanding that the previous building addition had the roof drains tied directly into an underground storage tank for rain water. There may be room to add a few parking spaces west of the existing parking lot; however, School property line information would need to be verified and stormwater management will need to be addressed for the additional parking spaces.

**Recommendations:**

The existing paved parking areas and hard play areas need complete reconstruction of the pavement structure. A simple overlay or seal coat would not hold up over time in these areas. The existing fence should be re-meshed as indicated by School District personnel. In addition, fence posts and rails should be replaced as necessary. If stormwater runoff & ponding water becomes an issue to the north of the building, installation of storm structures or re-grading of a drainage swale should be evaluated. Any additional parking or other paved areas added to the site would need to provide for stormwater detention. Any disturbance over 1-acre would need to obtain an NPDES Permit for construction activities as well.

## SUMMARY BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

**East Penn Elementary School**

| | | Cost per SF |
|---|---|---|
| **SITE EVALUATION** | **$253,000.00** | **$10.42 SF** |
| **EXTERIOR EVALUATION** | **$400,500.00** | **$16.50 SF** |
| **INTERIOR EVALUATION** | **$741,750.00** | **$30.56 SF** |
| **HEATING / VENTILATION EVALUATION** | **$953,000.00** | **$39.27 SF** |
| **PLUMBING EVALUATION** | **$185,000.00** | **$7.62 SF** |
| **ELECTRICAL EVALUATION** | **$427,000.00** | **$17.59 SF** |
| **CODE EVALUATION** | **$611,700.00** | **$25.20 SF** |
| **SUBTOTAL** | **$3,571,950.00** | **$147.18 SF** |
| **EDUCATIONAL UPGRADES** | **$200,000.00** | **$8.24 SF** |
| **AIR CONDITIONING (included in above)** | | |
| **TOTAL BUILDING* (RANK 1, 2, 3, TOTAL COST)** | **$3,771,950.00** | **$155.42 SF** |
| **RANK 1 TOTAL COST - REQUIRED** | **$2,604,450.00** | **$107.31 SF** |
| **RANK 2 TOTAL COST - RECOMMENDED** | **$1,117,500.00** | **$46.04 SF** |
| **RANK 3 TOTAL COST - OPTIONAL** | **$50,000.00** | **$2.06 SF** |

* For the purpose of this Study, a baseline has been established and no design contingency has been utilized. More precise costs can be developed as the District develops specific educational specifications and chooses its desired option.

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## East Penn Elementary School

| | | Rank | Cost |
|---|---|---|---|
| 1. | **Site Evaluation:** | | |
| a. | The hard-surface play areas at each side of the building are bituminous paving which is deteriorating. Replace the deteriorating areas and resurface. | **2** | $52,000.00 |
| b. | The concrete sidewalk at the front of the building has some deteriorated areas. Remove and replace the deteriorated areas. | **1** | $12,000.00 |
| c. | The paved drives and parking areas are showing signs of deterioration. Reconstruct drives and parking areas. | **1** | $58,000.00 |
| d. | The fencing at play areas is in need of repair. Replace the entire fencing mesh and individual fence poles as necessary. | **2** | $8,000.00 |
| e. | There is no site lighting present at the School other than building-mounted fixtures. Install 5 site light fixtures at parking and drives to meet current standards. | **1** | See 6.d. |
| f. | There is no vehicle separation from pedestrians at the west parking area. Due to the same elevation of the paved drive and concrete walkway, install bumper blocks at parking stalls to provide separation. | **1** | $3,000.00 |
| g. | The site does not contain adequate parking for staff. Construct additional parking at the west drive/parking area as well as additional stormwater management as required. | **2** | $70,000.00 |
| h. | The stormwater drainage at the north side of the building is inadequate. Provide regrading and/or additional storm structures for storm water redirection. | **1** | $20,000.00 |
| i. | The rear play area's playfields are open at the perimeter. Install high fence and gates to create a secure play area. | **3** | $22,000.00 |
| j. | No fencing is present for ball control at the rear playfields. Install 4'-0" high fencing at rear playfield. | **2** | $8,000.00 |
| | **Total Site Evaluation Cost** | | **$253,000.00** |

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## East Penn Elementary School

| | | Rank | Cost |
|---|---|---|---|
| 2. | **Exterior of Building Evaluation:** | | |
| | a. Exterior window and door lintels show signs of rust and deterioration. Paint exterior lintels. | **3** | $8,000.00 |
| | b. There are areas of exterior brick masonry at the front entrance that show signs of deterioration. Remove deteriorated brick and replace. | **2** | $5,000.00 |
| | c. Masonry control joints show signs of deterioration. Remove and replace masonry control joints. | **2** | $4,000.00 |
| | d. The sealant at EIFS window infill areas is cracking and failing. The sealant and joints should be cleaned and the joints recaulked. | **2** | $5,000.00 |
| | e. The exterior roof soffit shows signs of wear and deterioration, and should be repaired and painted. | **2** | $3,500.00 |
| | f. The EPDM roofing system was previously coated with a urethane coating and is approaching the end of it's warrantee. The roof should be fully removed and replaced with a new Built-up roofing system. | **1** | $375,000.00 |
| | **Total Exterior of Building Evaluation Cost** | | **$400,500.00** |
| 3. | **Interior of Building Evaluation:** | | |
| | a. Replace the door hardware, which is showing signs of deterioration and use. | **1** | $12,000.00 |
| | b. The walls in classrooms and corridors have areas in need of repair, and should be patched and the walls painted. | **1** | $24,750.00 |
| | c. The wall-mounted pocket tables at the Cafeteria are in poor condition and should be replaced. | **1** | $45,000.00 |

## East Penn Elementary School

| | | Rank | Cost |
|---|---|---|---|
| d. | The acoustic ceiling tile throughout the building shows wear and deterioration, and should be replaced. | **1** | $130,000.00 |
| e. | The carpet and VCT flooring throughout the building shows wear and deterioration, and should be replaced. | **2** | $130,000.00 |
| f. | The Kitchen equipment is original to the facility and should be replaced. | **2** | $400,000.00 |
| g. | Asbestos floor tile and wall material is present, and should be abated prior to installing new floor and wall finishes. | **2** | Completed |
| | **Total Interior of Building Evaluation Cost** | | **$741,750.00** |

4. **Heating, Ventilation, and Air Conditioning Evaluation:**

| | | | |
|---|---|---|---|
| a. | The boilers are 18 years old. The expected service life of cast iron boilers is listed in ASHRAE at 35 years. For burners, the service life is listed at 21 years. While the boilers have many years of service remaining, the burners should be replaced in the next few years. | **2** | $25,000.00 |
| b. | Many of the valves in the building are original and no longer function. These valves should be replaced or additional valves should be added to allow the system to be serviced without effecting the entire school. | **2** | $10,000.00 |
| c. | The steam condensate receiver/boiler feed system is 18 years old. The ASHRAE service life for this piece of equipment is listed as 15 years. This unit should be replaced in the next few years before it fails. Failure of this unit will result in a school wide no heat situation. | **1** | $8,000.00 |

## East Penn Elementary School

| | | Rank | Cost |
|---|---|---|---|
| d. | It was noted that there is some damaged insulation on the piping systems. This insulation should be repaired to protect against burns and to increase the system efficiencies. | **1** | $5,000.00 |
| e. | The piping system in the building is generally over 50 years old. Replacement should be considered as the pipe system is well beyond the typical service life expectancy. | **1** | $120,000.00 |
| f. | The classroom unit ventilators vary in age from 18 years to over 50 years. These units are in need of replacement. If replacement occurs, we recommend converting the system to a hot water system with new unit ventilators to improve system controllability. | **1** | $375,000.00 |
| g. | The window air conditioners are inefficient and provide a security concern. These units should be replaced with more modern ducted type systems. | **1** | $40,000.00 |
| h. | Building wide air conditioning should be considered. | **2** | $250,000.00 |
| i. | Exhaust systems in the toilet rooms do not appear to comply with current standards. These systems should be upgraded. | **1** | $20,000.00 |
| j. | There are many temperature control issues in the facility due to the type of system and lack of controllability. We recommend installing new controls in the facility that would include some energy saving functions. | **1** | $100,000.00 |
| | **Total HVAC Evaluation Cost** | | **$953,000.00** |

## East Penn Elementary School

| | | Rank | Cost |
|---|---|---|---|
| 5. | **Plumbing Evaluation:** | | |
| | a. The plumbing piping systems are in poor condition and in need of replacement. There have been issues related to pin holes in the copper, corroding drains, and general maintenance issues with leaks. | **1** | $80,000.00 |
| | b. The domestic hot water heater is leaking and is in need of repair or replacement. In addition, the hot water recirculation system does not function well and should be upgraded. | **1** | $30,000.00 |
| | c. The domestic cold water storage tank for the well system is over 50 years old and in need of replacement. | **1** | $15,000.00 |
| | d. The basement is experiencing some storm water drainage related issues. These issues need to be addressed and a new permanent drain and pump system needs to be installed. | **2** | $20,000.00 |
| | e. The plumbing fixtures, faucets, and flush valves were generally found to be in fair condition but should be replaced due to age. | **2** | $40,000.00 |
| | **Total Plumbing Evaluation Cost** | | **$185,000.00** |
| 6. | **Electrical Evaluation:** | | |
| | a. The electric service enters the building from a utility owned, pole mounted transformer. The service feeds a 120/208 volt, 400 amp main circuit breaker panel, manufactured by Siemens. The equipment is over 15 years old and would not be large enough to support Air Conditioning.<br>Replacement is recommended and required for the installation of Air Conditioning. | **1** | $90,000.00 |
| | b. The panelboards throughout the building are circuit breaker panelboards, most manufactured by Siemens. The panelboards installed in the 1991 renovation are in good condition but some panelboards are over 54 years old. The panelboards are generally filled to capacity, making it difficult to add circuits.<br>Replacement is recommended for the older panelboards and additional added. | **1** | $30,000.00 |

## East Penn Elementary School

| | | Rank | Cost |
|---|---|---|---|
| c. | General classroom lighting consists of retrofitted pendant mounted T8 fluorescent fixtures.<br>Replace lighting to meet the watts per square foot requirements of the International Energy Code and footcandle requirements of the Department of Education. | **1** | $85,000.00 |
| d. | The exterior building lighting and parking lot lighting is minimal.<br>Provide security lighting around the building and lighting for the parking lots. | **1** | $25,000.00 |
| e. | The emergency power consists of a natural gas emergency generator. The generator is 15kw, 120/208 volt, 3 phase installed in the boiler room area. There is 1 automatic transfer switch and an area protection panel.<br>Replacement of the emergency generator and emergency distribution is recommended. | **2** | $17,000.00 |
| f. | Typical classrooms have minimal receptacles and circuits. In some classrooms, receptacles were added but were connected to existing circuits causing circuiting issues.<br>It is recommended that additional receptacles and associated circuits be added in classrooms. Receptacles connected to panelboards with integral surge protection should be added for computer circuits. | **1** | $120,000.00 |
| g. | The main intercom/program systems was upgraded in 1991 but the master clock system was not. Atomic clocks are used throughout the facility.<br>Upgrade the existing program system to meet the needs of the facility and provide a master clock system. | **2** | $35,000.00 |
| h. | There are minimal data drops in the classrooms and other areas.<br>Provide additional data drops for the classrooms. | **1** | See 8.a. |
| i. | The gymnasium local sound system does not meet the needs of the space.<br>Provide a local sound system for the gymnasium. | **3** | $20,000.00 |
| j. | The kitchen lacks groundfault breakers/receptacles to meet the requirements of the NEC.<br>Provide groundfault breakers/receptacles. | **1** | $5,000.00 |

## East Penn Elementary School

| | | Rank | Cost |
|---|---|---|---|
| k. | The building has 3 card access doors and a minimal security system.<br>Provide additional card readers and a security system. | **1** | See 8.b. |
| l. | The building has 4 exterior cameras and a DVR in the office area. This equipment is outdated.<br>Provide a camera system with DVR for the building. | **1** | See 8.b. |
| | **Total Electrical Evaluation Cost** | | **$427,000.00** |

7. **Code Evaluation:**

"The IBC 2006, Americans with Disabilities Act, and recommendations by the Department of Education require all buildings, during the renovation process, to be updated to meet current standards and codes. The following building system will need to be updated during the renovation process in order to meet current standards and codes."

The following items may be required depending on the level of work completed.

| | | | |
|---|---|---|---|
| a. | The reception counter in the Administration area is not ADA accessible and should be replaced. | **1** | $10,000.00 |
| b. | The toilet within the Administration area is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |
| c. | The entrance door from the corridor to the Administration area is not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| d. | The toilet within the Nurse's suite is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |

## East Penn Elementary School

| | Rank | Cost |
|---|---|---|
| e. The sinks and cabinets in Nurse's suite and Exam room are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $2,500.00 |
| f. The Exam room size does not permit ADA accessibility and should be modified to meet current ADA standards. | **1** | $10,000.00 |
| g. The door between the Administration and Nurse's suite is not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| h. The fire extinguisher cabinets located at the Corridors are not ADA accessible and should be modified/relocated to meet current ADA standards. | **1** | $5,000.00 |
| i. The drinking fountains located at the Corridors are not ADA accessible and should be modified/relocated to meet current ADA standards. | **1** | $5,000.00 |
| j. The building is not fully sprinklered, and the corridors are currently not rated. The building should be fully sprinklered to meet current codes. | **1** | $250,000.00 |
| k. The entrance door from the corridor to the Nurse's suite is not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| l. The sinks and cabinets in the Art/Music room are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $2,000.00 |
| m. The sinks and cabinets in the Faculty room are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $1,200.00 |
| n. The Classroom and Library entrances are not ADA accessible and should be modified to meet current ADA standards. | **1** | $30,000.00 |
| o. The sinks and cabinets in the Classrooms are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $12,000.00 |

## East Penn Elementary School

| | | Rank | Cost |
|---|---|---|---|
| p. | The boys and girls toilet rooms do not contain ADA accessible sinks, toilets and entrances. Modify toilet rooms and fixtures to meet current ADA standards. | **1** | $75,000.00 |
| q. | The Faculty toilet is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |
| r. | The toilets within Kindergarten and Special Education Classrooms are not ADA accessible and should be modified to meet current ADA standards. | **1** | $60,000.00 |
| s. | The exterior exit doors from the Multi-Purpose room are not ADA accessible and should be modified to meet current ADA standards. | **1** | $5,000.00 |
| t. | The door from the Kitchen to the Multi-Purpose room is not ADA accessible and should be modified to meet current ADA standards. | **1** | $4,000.00 |
| u. | The plumbing fixtures throughout the facility do not comply with the current ADA requirements for accessibility. | **1** | See 5.e. |
| v. | The outdoor air ventilation rates for the classrooms do not comply with current standards. If a system replacement were to occur, the ventilation air should be adjusted to meet the current standards. | **1** | See 4.f. |
| w. | The building lacks emergency lighting that meets current codes and the emergency lighting required at every exterior door. Provide additional emergency lighting required by current codes. | **1** | $25,000.00 |
| x. | The existing fire alarm system lacks audio-visual devices in many areas required by code. Replacement of the system to meet all codes is recommended. | **1** | $36,000.00 |
| y. | Provide occupancy sensors or lighting control panels to meet the requirements of the International Energy Code. | **2** | $10,000.00 |
| | **Total Code Evaluation Cost** | | **$611,700.00** |

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## East Penn Elementary School

| | | Rank | Cost |
|---|---|---|---|
| 8. | **Educational Upgrades:** | | |
| a. | The District should continue system upgrades, with respect to technology. Plan to: implement networking system (data); upgrades for classrooms to include LCD projectors, enhanced sound system, and wireless mics; provide adequate electrical and telephone (Voice over IP) upgrades; provide other technology (Video) equipment; and provide necessary software and related supplies. (Voice system is being upgraded by District and not included.) | **1** | $125,000.00 |
| b. | Provide a security system of motion detectors and cameras located at strategic points in the corridor areas, and door alarms on all existing exits. Provide all cables, termination devices, and terminal equipment required to construct a complete expanded system for day/occupied security system. | **1** | $50,000.00 |
| c. | Acoustics are poor in Cafeteria / Multipurpose Room. Install additional acoustical treatment. | **2** | $20,000.00 |
| d. | Provide directional signage, both for the site and building interior. | **2** | $5,000.00 |
| | **Total Educational Upgrades Cost** | | **$200,000.00** |
| | **Total Building Cost** | | **$3,771,950.00** |
| | **RANK 1 TOTAL COST** | | **$2,604,450.00** |
| | **RANK 2 TOTAL COST** | | **$1,117,500.00** |
| | **RANK 3 TOTAL COST** | | **$50,000.00** |
| | **RANK 1, 2, 3, TOTAL COST** | | **$3,771,950.00** |

## GENERAL DATA

### Franklin Elementary School

**Built:** 1954, with additions/alterations 1992 (PlanCon Part G)

**Site:** 25.5 acres, located in a residential area with paved drives, parking, play areas, and ball field.

**Structure:** One-story building with concrete floors, metal roof decks, and masonry walls. Unprotected, non-combustible construction in accordance with current PA Department of Labor and Industry building code (2006 International Building Code - Type 2B).

**Heating System:** Steam generated from two cast iron low pressure steam boilers. The boilers are fired with LP gas. Steam is distributed to Classroom Unit Ventilators, wall fin heaters, cabinet heaters, and other miscellaneous heating units.

**Ventilation Systems:** Outdoor air is provided through the classroom unit ventilators. Toilet rooms have exhaust ventilation systems.

**Control System:** Pneumatic control system

**Air Conditioning System:** Window units are installed to serve some offices and the computer room. Ceiling fans are provided in classrooms to help with comfort.

**Plumbing Services:** Public water and sewer services

**Water Heating:** Connection to the boiler and a propane fired 86 gallon water heater with a hot water recirculation system.

**Electrical Service:** 120/208 volt; 3-phase; 600 amp and 200 amp

**Systems:**

| | |
|---|---|
| Fire Alarm System | Data Network |
| Minimal Emergency Lighting | CATV |
| Intercom / Program System | VOIP Telephone System |
| Atomic Clocks | Video Surveillance |

**Architectural Area:** 39,915 SF

**PDE Replacement Value:** $6,175,500 ( 375 FTE x 92 sf = 34,500 x $179 / sf = replacement cost )
$1,235,100 ( 20% Rule )

**PDE Total Capacity:** 375

**Current Enrollment:** 271 Students

# PHOTOGRAPHS

## Franklin Elementary School













# PHOTOGRAPHS

## Franklin Elementary School













# PHOTOGRAPHS

## Franklin Elementary School













# PHOTOGRAPHS

## Franklin Elementary School















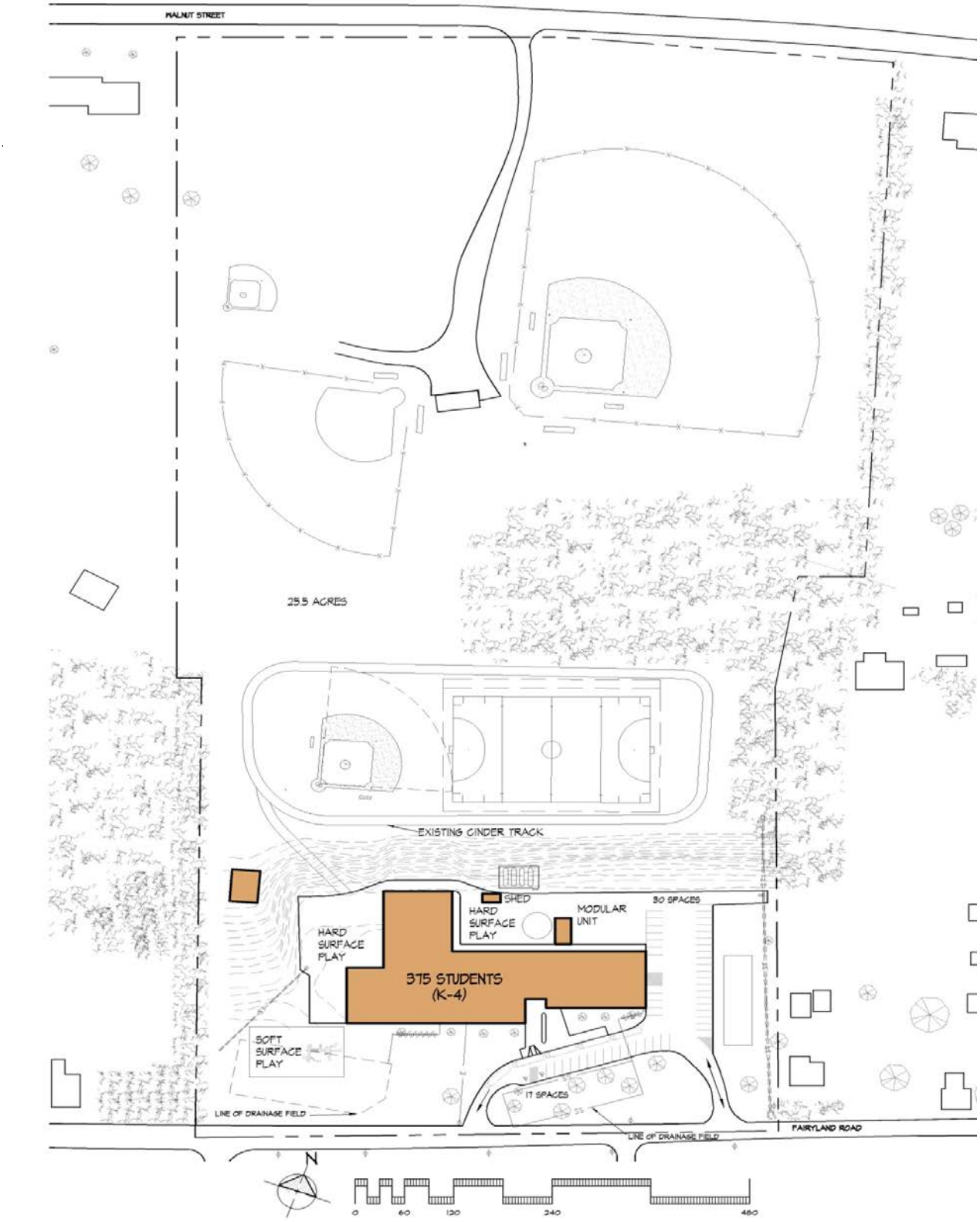
## AERIAL VIEW

### Franklin Elementary School



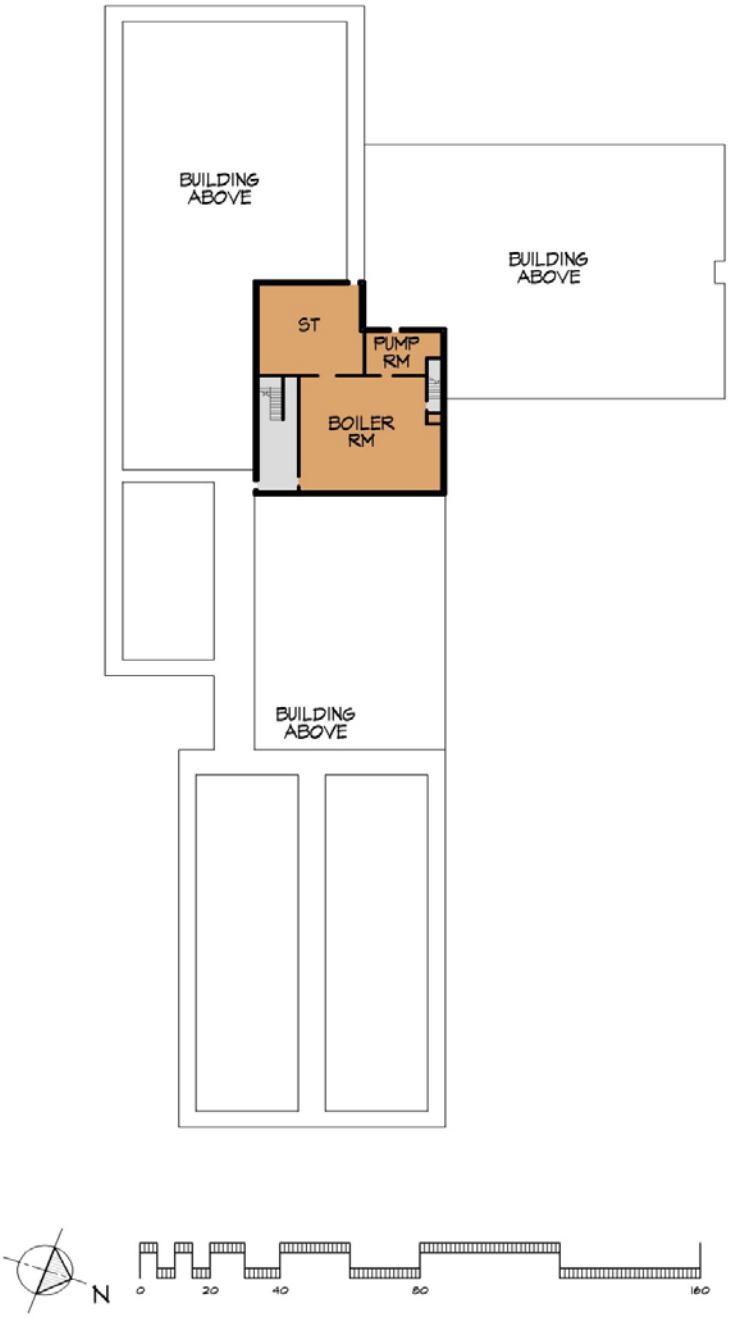
# EXISTING SITE PLAN

## Franklin Elementary School



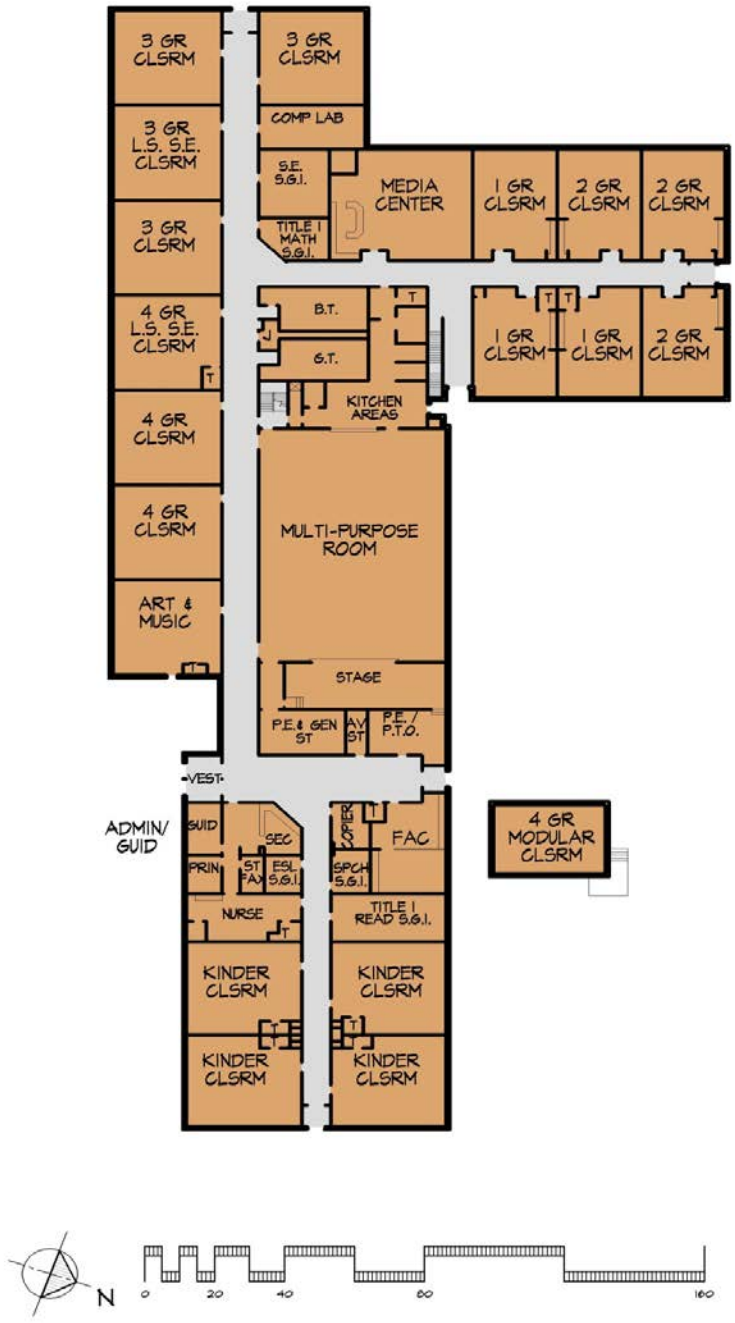
# EXISTING BASEMENT FLOOR PLAN

## Franklin Elementary School



# EXISTING FIRST FLOOR PLAN

## Franklin Elementary School



# EXISTING ROOM SCHEDULE

## Franklin Elementary School

| Educational Space | No. | Area | Total | Capacity |
|---|---|---|---|---|
| Full Day Kindergarten | 4 | 880 | 3,520 | 100 |
| First Grade Clsrm | 3 | 765 | 2,295 | 75 |
| Second Grade Clsrm | 3 | 800 | 2,400 | 75 |
| Third Grade Clsrm | 3 | 900 | 2,700 | 75 |
| Fourth Grade Clsrm | 2 | 900 | 1,800 | 50 |
| Support Classroom | | | 0 | 0 |
| Pre-Kindergarten | | | 0 | 0 |
| Modular Clsrm | 1 | Fourth Grade | 0 | |
| Special Educ Clsrm | 2 | 900 | 1,800 | |
| I.U. / S.E. Clsrm | | | 0 | |
| S.E. Seminar / S.G.I. | 1 | 420 | 420 | |
| Media Center | 1 | 1,300 | 1,300 | |
| Small Group Instruction | 4 | 240 | 960 | |
| Large Group Instruction | | | 0 | |
| Science / Tech Lab | | | 0 | |
| Computer Lab | 1 | 400 | 400 | |
| Art Classroom | 1 | 900 | 900 | |
| Music Classroom | Share w/ Art | | 0 | |
| Band/Orchestra/Choral | | | 0 | |
| Music S.G.I. | | | 0 | |
| Gym/Multi-Purpose | 1 | 3,900 | 3,900 | |
| Locker/Changing Rm | | | 0 | |
| Stage/Platform | 1 | 660 | 660 | |
| Student Dining | | | 0 | |
| Kitchen Areas | 1 | 1,000 | 1,000 | |
| Administration / Guidance | 1 | 750 | 750 | |
| Health Suite | 1 | 470 | 470 | |
| Faculty Dining / Workroom | 1 | 590 | 590 | |
| Faculty / I.P.C. / P.T.O. | 1 | 250 | 250 | |
| FUNCTIONAL CAPACITY | | | | 375 |
| TOTAL CAPACITY | | | | 375 |
| S. E. CAPACITY | | | | 75 |
| SCHEDULED AREA | | | 26,115 | |
| ARCHITECTURAL AREA | | | 39,915 | |

P.D.E. Capacity: 25 students per classroom. District Capacity: 25 students per classroom.

Elementary *Functional Capacity* includes Graded Classrooms, while the *Total Capacity* also includes Support Classrooms that are needed to support the educational program including Pre-Kindergarten. Special Education Capacity is not included in the Functional Capacity or Total Capacity.

The Existing building capacity may have been adjusted to represent the intended or adjusted use of space, therefore, showing respective support classrooms including Art, Music and Computer Education spaces. The area of existing spaces may be an average of respective spaces.

# SUMMARY: SITE IMPROVEMENTS

## Franklin Elementary School

Franklin Elementary School is located along Fairyland Road, in Franklin Township, Carbon County. The site contains the existing Elementary School, paved parking facilities, a hard play area and soft play areas. The building is served by a public sanitary sewer system.

Only one entrance exists for both parents and buses to drop-off and pick-up students. Parking spaces are located along one side of the main driveway entrance. The condition of the existing pavement in both the driveway/parking lot and the hard play area is poor, and is starting to break up/crack. There were only two (2) cars observed parking in the grass area along the driveway. The site and parking areas do not contain site lighting other than building-mounted lights and one overhead light in front of the main entrance. The existing fence on the east side of the building separating the parking area from the play area is in need of replacement. A large open field to the north of the building drains towards the building and paved area. There are no storm sewer structures located in the rear eastern half of the paved area. Run-off in this area appears to drain along the edge of pavement to the east and discharges at the end of the parking area. At the northeast & northwest corners of the previous building addition there are storm inlets located to capture run-off; however, those inlets are filled with debris and stone and should be cleaned out. At the northwest corner of the previous addition, there is a bituminous pathway that leads from the hard play area up to the track and grass ball field north of the School. This pathway is severely eroded and the bituminous pavement is breaking off and stone/debris is washing down onto the hard play area. This should be repaired and stabilized appropriately. North of the School is a large open field with a gravel track and baseball field. Grass is starting to overgrow across the gravel path and this should be repaired and maintained. The infield of the small baseball field is overgrown with grass. A sand infield should be re-established and maintained. The grass is eroded at the access to the southwestern soft play area.

**Recommendations:**

The existing paved parking areas and hard play areas need to have the pavement structure completely reconstructed. A simple overlay or seal coat would not hold up over time in these areas. The fence at the east side of the building between the parking lot and hard play area should be replaced. The existing storm sewer inlets should be cleaned and maintained. The existing bituminous path from the hard play area to the track should be replaced and the erosion should be stabilized. The gravel track should be re-established and maintained. The infield of the small baseball field inside the track should be re-established with sand and maintained. Areas of eroded grass by the soft play area should be reseeded and maintained.

## SUMMARY BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

**Franklin Elementary School**

| | | Cost per SF |
|---|---|---|
| **SITE EVALUATION** | **$375,000.00** | **$9.39 SF** |
| **EXTERIOR EVALUATION** | **$682,000.00** | **$17.09 SF** |
| **INTERIOR EVALUATION** | **$788,625.00** | **$19.76 SF** |
| **HEATING / VENTILATION EVALUATION** | **$1,572,000.00** | **$39.38 SF** |
| **PLUMBING EVALUATION** | **$270,000.00** | **$6.76 SF** |
| **ELECTRICAL EVALUATION** | **$678,000.00** | **$16.99 SF** |
| **CODE EVALUATION** | **$659,700.00** | **$16.53 SF** |
| **SUBTOTAL** | **$5,025,325.00** | **$125.90 SF** |
| **EDUCATIONAL UPGRADES** | **$312,500.00** | **$7.83 SF** |
| **AIR CONDITIONING (included in above)** | | |
| **TOTAL BUILDING* (RANK 1, 2, 3, TOTAL COST)** | **$5,337,825.00** | **$133.73 SF** |
| **RANK 1 TOTAL COST - REQUIRED** | **$3,802,825.00** | **$95.27 SF** |
| **RANK 2 TOTAL COST - RECOMMENDED** | **$1,452,500.00** | **$36.39 SF** |
| **RANK 3 TOTAL COST - OPTIONAL** | **$82,500.00** | **$2.07 SF** |

* For the purpose of this Study, a baseline has been established and no design contingency has been utilized. More precise costs can be developed as the District develops specific educational specifications and chooses its desired option.

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Franklin Elementary School

| | | Rank | Cost |
|---|---|---|---|
| 1. | **Site Evaluation:** | | |
| | a. The hard-surface play areas at each side of the building are bituminous paving which is deteriorating. Replace the deteriorating areas and resurface. | **2** | $90,000.00 |
| | b. The concrete sidewalk at the front of the building has some deteriorated areas. Remove and replace the deteriorated areas. | **1** | Completed |
| | c. The paved drives and parking areas are showing signs of deterioration. Reconstruct drives and parking areas. | **1** | $80,000.00 |
| | d. The fencing separating the parking and play areas is in poor condition. Replace the entire fence. | **2** | $2,000.00 |
| | e. There is no site lighting present at the school other than building-mounted fixtures. Install 5 site light fixtures at parking, drives and play areas to meet current standards. | **1** | See 6.d. |
| | f. The bituminous path from the hard surface play area to the upper playfields is in poor condition. Replace the bituminous path and stabilize erosion. | **2** | $5,000.00 |
| | g. The turf at the upper playfields is in average to poor condition. Reseed and re-establish the turf on the playfields. | **2** | $8,000.00 |
| | h. The infield of the upper baseball field is in poor condition. Re-establish the infield with sand and maintain. | **2** | $2,000.00 |
| | i. The cinder track at the upper playfields is in poor condition. Re-establish the track profile. | **2** | $2,000.00 |
| | j. The rear play areas and playfields are open at the perimeter. Install high fence and gates to create a secure play area. | **3** | $55,000.00 |
| | k. No fencing is present for ball control at the rear playfields. Install 4'-0" high fencing at rear playfield. | **2** | $11,000.00 |

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Franklin Elementary School

| | | Rank | Cost |
|---|---|---|---|
| l. | The site does contain adequate parking for staff. Construct additional parking at the east drive/parking area, add more soft surface play, as well as additional stormwater management as required. | **2** | $100,000.00 |
| m. | Sidewalks in front at bus drop-off are too short. Extend the sidewalk on both sides with curb. | **1** | $20,000.00 |
| | **Total Site Evaluation Cost** | | **$375,000.00** |

2. **Exterior of Building Evaluation:**

| | | | |
|---|---|---|---|
| a. | Exterior window and door lintels show signs of rust and deterioration. Paint exterior lintels. | **3** | $7,500.00 |
| b. | There are areas of exterior brick masonry at the front entrance that show signs of deterioration. Remove deteriorated brick and replace. | **2** | $5,000.00 |
| c. | Masonry control joints show signs of deterioration. Remove and replace masonry control joints. | **2** | $4,000.00 |
| d. | The sealant at EIFS window infill areas is cracking and failing. The sealant and joints should be cleaned and the joints recaulked. | **2** | $5,000.00 |
| e. | The exterior roof soffit shows signs of wear and deterioration, and should be repaired and painted. | **2** | $3,500.00 |
| f. | The EPDM roofing system was previously coated with a urethane coating and is approaching the end of it's warrantee. The roof should be fully removed and replaced with a new Built-up roofing system. | **1** | $625,000.00 |
| g. | The masonry at the chimney stack is in poor condition and should be repaired/repointed. | **1** | $10,000.00 |
| h. | The masonry at the building sign is in poor condition and should be repaired/repointed. | **1** | $3,500.00 |

## Franklin Elementary School

| | | Rank | Cost |
|---|---|---|---|
| i. | Areas of EIFS infill at windows are in poor condition and should be repaired. | **2** | $15,000.00 |
| j. | The exterior roof fascia shows signs of wear and deterioration, and should be repaired and painted. | **2** | $3,500.00 |
| | **Total Exterior of Building Evaluation Cost** | | **$682,000.00** |

3. **Interior of Building Evaluation:**

| | | | |
|---|---|---|---|
| a. | Replace the door hardware, which is showing signs of deterioration and use. | **1** | $18,000.00 |
| b. | The walls in classrooms and corridors have areas in need of repair, and should be patched and the walls painted. | **1** | $41,625.00 |
| c. | The wall-mounted pocket tables at the Cafeteria are in poor condition and should be replaced. | **1** | $45,000.00 |
| d. | The acoustic ceiling tile throughout the building shows wear and deterioration, and should be replaced. | **1** | $130,000.00 |
| e. | The carpet and VCT flooring throughout the building shows wear and deterioration, and should be replaced. | **2** | $130,000.00 |
| f. | The Kitchen equipment is original to the facility and should be replaced. | **2** | $400,000.00 |
| g. | The corridor walls have glass block clerestories above the ceilings that are currently covered with roofing material. The glass block should be removed and the wall infilled prior to the new roof work. | **1** | $15,000.00 |
| h. | Asbestos wall material is present, and should be abated prior to installing wall finishes. | **2** | $9,000.00 |
| | **Total Interior of Building Evaluation Cost** | | **$788,625.00** |

## Franklin Elementary School

| | | Rank | Cost |
|---|---|---|---|
| 4. | **Heating, Ventilation, and Air Conditioning Evaluation:** | | |
| a. | The boilers are around 20 years old. The expected service life of cast iron boilers is listed in ASHRAE at 35 years. For burners, the service life is listed at 21 years. While the boilers have many years of service remaining, the burners should be replaced in the next few years. | **2** | $25,000.00 |
| b. | Many of the valves in the building are original and no longer function. These valves should be replaced or additional valves should be added to allow the system to be serviced without effecting the entire school. | **2** | $20,000.00 |
| c. | The steam condensate receiver/boiler feed system is old and in need of replacement. Failure of this unit will result in a school wide no heat situation. In addition, it was noted that some of the traps are not functioning properly as steam was leaking through the system. | **1** | $12,000.00 |
| d. | It was noted that there is some damaged insulation on the piping systems. This insulation should be repaired to protect against burns and to increase the system efficiencies. | **1** | $10,000.00 |
| e. | The piping system in the building is generally over 50 years old. Replacement should be considered as the pipe system is well beyond the typical service life expectancy. There were several leaks noted at various locations in the school. | **1** | $225,000.00 |
| f. | The classroom unit ventilators vary in age from 17 years to over 50 years. These units are in need of replacement. If replacement occurs, we recommend converting the system to a hot water system to improve system controllability. | **1** | $600,000.00 |
| g. | The window air conditioners are inefficient and provide a security concern. These units should be replaced with more modern ducted type systems. | **1** | $50,000.00 |
| h. | Building wide air conditioning should be considered. | **2** | $400,000.00 |
| i. | Exhaust systems in the toilet rooms do not appear to comply with current standards. These systems should be upgraded. | **1** | $30,000.00 |

## Franklin Elementary School

| | | Rank | Cost |
|---|---|---|---|
| j. | There are many temperature control issues in the facility due to the type of system and lack of controllability. We recommend installing new controls in the facility that would include some energy saving functions. | **1** | $200,000.00 |
| | **Total HVAC Evaluation Cost** | | **$1,572,000.00** |

5. **Plumbing Evaluation:**

| | | | |
|---|---|---|---|
| a. | The plumbing piping systems are in poor condition and in need of replacement. There have been issues related to pin holes in the copper, corroding drains, and general maintenance issues with leaks. | **1** | $150,000.00 |
| b. | Domestic hot water is produced off a steam to hot water converter system as well as a summer water heater. These systems are in need up replacement. In addition, the hot water recirculation system does not function well and should be upgraded. | **1** | $40,000.00 |
| c. | The plumbing fixtures, faucets, and flush valves were generally found to be in fair condition but should be replaced due to age. | **2** | $80,000.00 |
| | **Total Plumbing Evaluation Cost** | | **$270,000.00** |

6. **Electrical Evaluation:**

| | | | |
|---|---|---|---|
| a. | The electric service enters the building from a utility owned, pole mounted transformer. The service feeds a 120/208 volt, 600 amp main circuit breaker panel, manufactured by Square D and a 200 fused disconnect switch for the modular classrooms. The equipment is over 15 years old and would not be large enough to support Air Conditioning.<br>Replacement is recommended and required for the installation of Air Conditioning. | **1** | $145,000.00 |

## Franklin Elementary School

| | Rank | Cost |
|---|---|---|
| b. The panelboards throughout the building are circuit breaker panelboards, most manufactured by Square D. The panelboards installed in the 1992 renovation are in good condition but some panelboards are over 54 years old. The panelboards are generally filled to capacity, making it difficult to add circuits. Replacement is recommended for the older panelboards and additional added. | **1** | $50,000.00 |
| c. General classroom lighting consists of retrofitted pendant mounted T8 fluorescent fixtures. Replace lighting to meet the watts per square foot requirements of the International Energy Code and footcandle requirements of the Department of Education | **1** | $138,000.00 |
| d. The exterior building lighting and parking lot lighting is minimal. Provide security lighting around the building and lighting for the parking lots. | **1** | $40,000.00 |
| e. The emergency power consists of a natural gas emergency generator. The generator is 20kw, 120/208 volt, 3 phase installed in the boiler room area. There is 1 automatic transfer switch, 1 manual transfer switch and an area protection panel. Replacement of the emergency generator and emergency distribution is recommended. | **2** | $28,000.00 |
| f. Typical classrooms have minimal receptacles and circuits. In some classrooms, receptacles were added but were connected to existing circuits causing circuiting issues. It is recommended that additional receptacles and associated circuits be added in classrooms. Receptacles connected to panelboards with integral surge protection should be added for computer circuits. | **1** | $200,000.00 |
| g. The main intercom/program systems was upgraded in 1992 but the master clock system was not. Atomic clocks are used throughout the facility. Upgrade the existing program system to meet the needs of the facility and provide a master clock system. | **2** | $52,000.00 |

## Franklin Elementary School

| | | Rank | Cost |
|---|---|---|---|
| h. | There are minimal data drops in the classrooms and other areas.<br>Provide additional data drops for the classrooms. | **1** | See 8.a. |
| i. | The gymnasium local sound system does not meet the needs of the space.<br>Provide a local sound system for the gymnasium. | **3** | $20,000.00 |
| j. | The kitchen lacks groundfault breakers/receptacles to meet the requirements of the NEC.<br>Provide groundfault breakers/receptacles. | **1** | $5,000.00 |
| k. | The building has 3 card access doors and a minimal security system.<br>Provide additional card readers and a security system. | **1** | See 8.b. |
| l. | The building has 4 exterior cameras and a DVR in the office area. This equipment is outdated.<br>Provide a camera system with DVR for the building. | **1** | See 8.b. |
| | **Total Electrical Evaluation Cost** | | **$678,000.00** |

7. **Code Evaluation:**

"The IBC 2006, Americans with Disabilities Act, and recommendations by the Department of Education require all buildings, during the renovation process, to be updated to meet current standards and codes. The following building system will need to be updated during the renovation process in order to meet current standards and codes."

The following items may be required depending on the level of work completed.

| | | | |
|---|---|---|---|
| a. | The reception counter in the Administration area is not ADA accessible and should be replaced. | **1** | $5,000.00 |
| b. | The toilet within the Administration area is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |

## Franklin Elementary School

| | Rank | Cost |
|---|---|---|
| c. The entrance door from the corridor to the Administration area is not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| d. The toilet within the Nurse's suite is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |
| e. The sinks and cabinets in Nurse's suite and Exam room are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $2,500.00 |
| f. The Exam room size does not permit ADA accessibility and should be modified to meet current ADA standards. | **1** | $10,000.00 |
| g. The door between the Administration and Nurse's suite is not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| h. The fire extinguisher cabinets located at the Corridors are not ADA accessible and should be modified/relocated to meet current ADA standards. | **1** | $5,000.00 |
| i. The drinking fountains located at the Corridors are not ADA accessible and should be modified/relocated to meet current ADA standards. | **1** | $5,000.00 |
| j. The building is not fully sprinklered, and the corridors are currently not rated. The building should be fully sprinklered to meet current codes. | **1** | $220,000.00 |
| k. The entrance door from the corridor to the Nurse's suite is not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| l. The sinks and cabinets in the Art/Music room are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $2,000.00 |
| m. The sinks and cabinets in the Faculty room are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $1,200.00 |
| n. The Faculty toilet is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |

## Franklin Elementary School

| | | Rank | Cost |
|---|---|---|---|
| o. | The sinks and cabinets in the Classrooms are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $5,000.00 |
| p. | The boys and girls toilet rooms do not contain ADA accessible sinks, toilets and entrances. Modify toilet rooms and fixtures to meet current ADA standards. | **1** | $75,000.00 |
| q. | The toilets within Kindergarten and Special Education Classrooms are not ADA accessible and should be modified to meet current ADA standards. | **1** | $120,000.00 |
| r. | The exterior exit doors from the Multi-Purpose room are not ADA accessible and should be modified to meet current ADA standards. | **1** | $2,500.00 |
| s. | The entrance doors from the corridor to the Multi-Purpose room are not ADA accessible and should be modified to meet current ADA standards. | **1** | $2,500.00 |
| t. | The Kitchen staff toilet and office areas are not ADA accessible. Modify toilet and office area to meet current ADA standards. | **1** | $15,000.00 |
| u. | The plumbing fixtures throughout the facility do not comply with the current ADA requirements for accessibility. | **1** | See 5.c. |
| v. | The outdoor air ventilation rates for the classrooms do not comply with current standards. If a system replacement were to occur, the ventilation air should be adjusted to meet the current standards. There were several rooms being used as classroom spaces that do not have any fresh air ventilation. | **1** | See 4.f. |
| w. | The building lacks emergency lighting that meets current codes and the emergency lighting required at every exterior door.<br>Provide additional emergency lighting required by current codes. | **1** | $40,000.00 |
| x. | The existing fire alarm system lacks audio-visual devices in many areas required by code. Provide a fire alarm system to meet current codes.<br>Replacement of the system to meet all codes is recommended. | **1** | $60,000.00 |

## Franklin Elementary School

| | | Rank | Cost |
|---|---|---|---|
| y. | Provide occupancy sensors or lighting control panels to meet the requirements of the International Energy Code. | **2** | $20,000.00 |
| | **Total Code Evaluation Cost** | | **$659,700.00** |

8. **Educational Upgrades:**

| | | | |
|---|---|---|---|
| a. | The District should continue system upgrades, with respect to technology. Plan to: implement networking system (data); upgrades for classrooms to include LCD projectors, enhanced sound system, and wireless mics; provide adequate electrical and telephone (Voice over IP) upgrades; provide other technology (Video) equipment; and provide necessary software and related supplies. (Voice system is being upgraded by District and not included.) | **1** | $200,000.00 |
| b. | Provide a security system of motion detectors and cameras located at strategic points in the corridor areas, and door alarms on all existing exits. Provide all cables, termination devices, and terminal equipment required to construct a complete expanded system for day/occupied security system. | **1** | $80,000.00 |
| c. | Acoustics are poor in Cafeteria / Multipurpose Room. Install additional acoustical treatment. | **2** | $25,000.00 |
| d. | Provide directional signage, both for the site and building interior. | **2** | $7,500.00 |
| | **Total Educational Upgrades Cost** | | **$312,500.00** |
| | **Total Building Cost** | | **$5,337,825.00** |
| | **RANK 1 TOTAL COST** | | **$3,802,825.00** |
| | **RANK 2 TOTAL COST** | | **$1,452,500.00** |
| | **RANK 3 TOTAL COST** | | **$82,500.00** |
| | **RANK 1, 2, 3, TOTAL COST** | | **$5,337,825.00** |

MAHONING ES

## GENERAL DATA

### Mahoning Elementary School

| | |
|---|---|
| **Built:** | 1954, with additions/alterations 1991 (PlanCon Part G) |
| **Site:** | 7.13 acres, located in a residential area with paved drives, parking, play areas, and ball field. |
| **Structure:** | One-story building with concrete floors, metal roof decks, and masonry walls. Unprotected, non-combustible construction in accordance with current PA Department of Labor and Industry building code (2006 International Building Code - Type 2B). |
| **Heating System:** | Hot water is generated from two cast iron boilers. The boilers are fired with LP gas. Hot water is distributed to central air handlers, classroom reheat coils, wall fin heaters, cabinet heaters, and other miscellaneous heating units. |
| **Ventilation Systems:** | Outdoor air is provided through the central air handlers located in the boiler room area. Toilet rooms have exhaust ventilation systems. |
| **Control System:** | Pneumatic control system |
| **Air Conditioning System:** | Window units are installed to serve the computer room. Ceiling fans are provided in classrooms to help with comfort. |
| **Plumbing Services:** | On site water and sewer systems |
| **Water Heating:** | 80 gallon electric water heater with a hot water recirculation system. |
| **Electrical Service:** | 125/250 volt; 3-phase; 400 amp and 200 amp |
| **Mechanical System:** | Well water and on-site sewer systems |
| **Electrical Service:** | 125/250 volt; 3-phase. |
| **Systems:** | Fire Alarm System<br>Minimal Emergency Lighting<br>Intercom / Program System<br>Atomic Clocks<br>Data Network<br>CATV<br>VOIP Telephone System<br>Video Surveillance |
| **Architectural Area:** | 28,470 SF |
| **PDE Replacement Value:** | $4,528,700 ( 275 FTE x 92 sf = 25,300 x $179 / sf = replacement cost )<br>$905,740 ( 20% Rule ) |
| **PDE Total Capacity:** | 275 |
| **Current Enrollment:** | 225 Students |

# PHOTOGRAPHS

## Mahoning Elementary School













# PHOTOGRAPHS

## Mahoning Elementary School













# PHOTOGRAPHS

## Mahoning Elementary School













# PHOTOGRAPHS

## Mahoning Elementary School















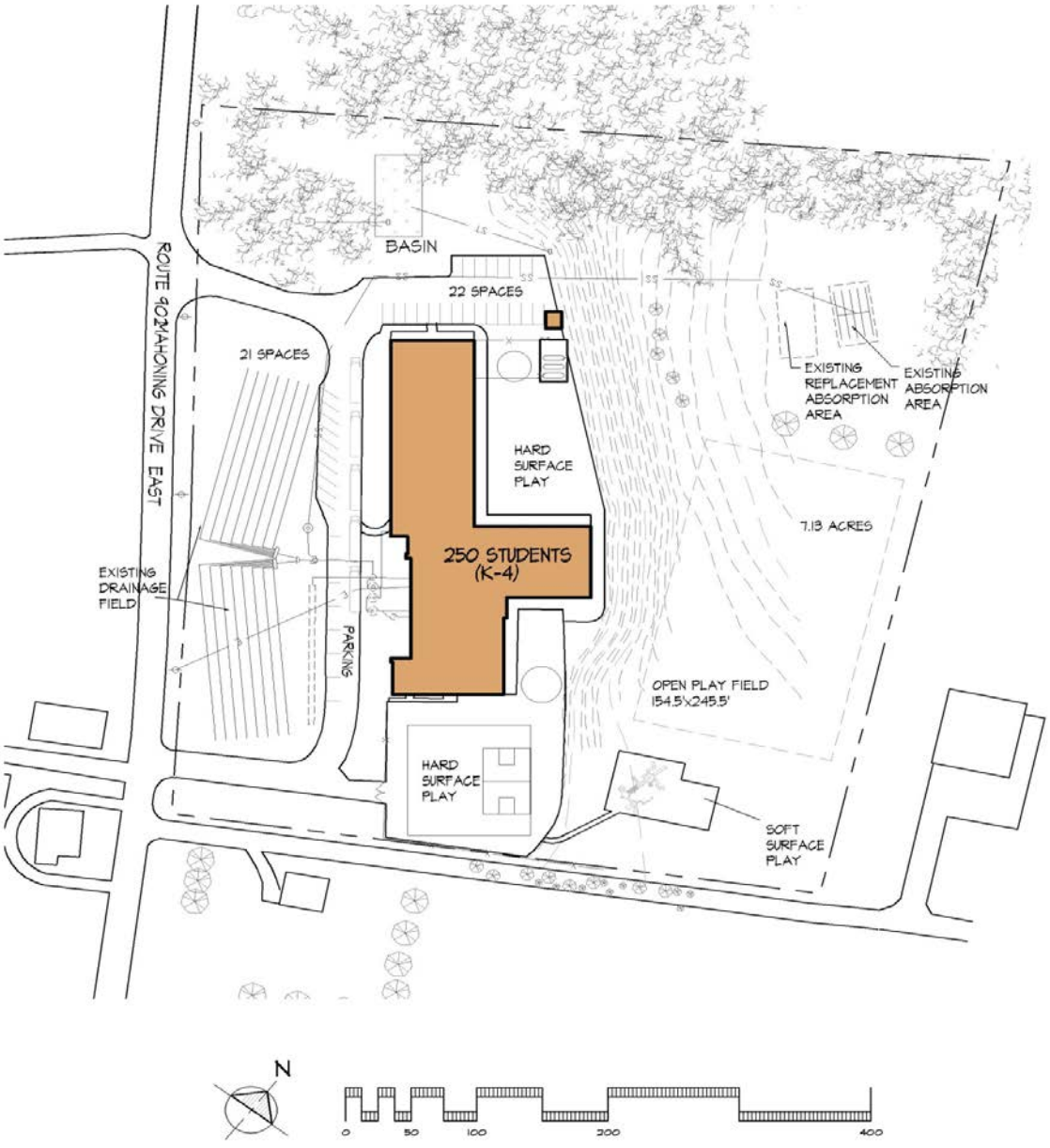
## AERIAL VIEW

### Mahoning Elementary School



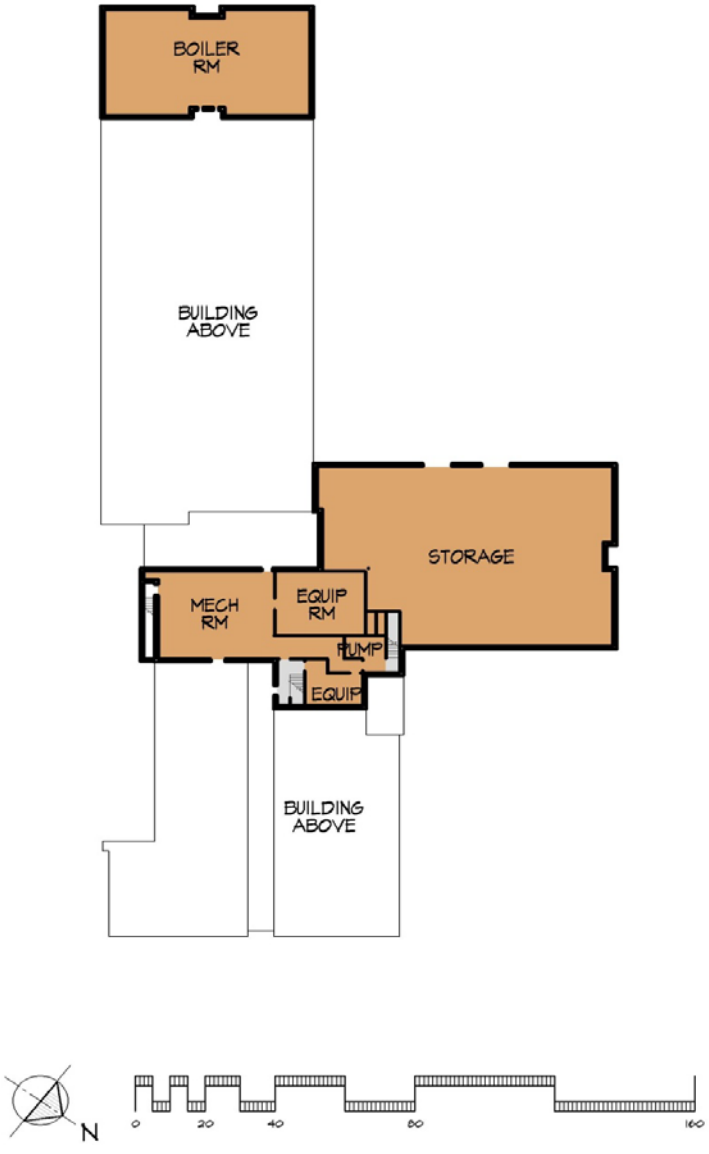
# EXISTING SITE PLAN

## Mahoning Elementary School



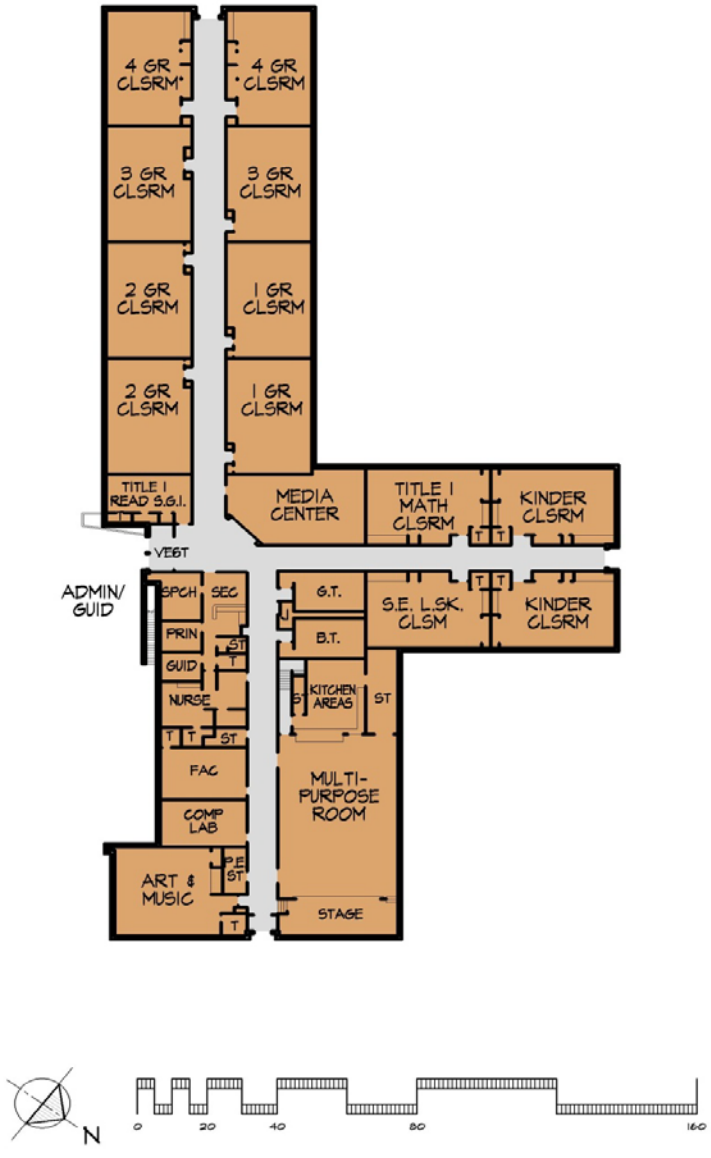
# EXISTING BASEMENT FLOOR PLAN

## Mahoning Elementary School



# EXISTING FIRST FLOOR PLAN

## Mahoning Elementary School



# EXISTING ROOM SCHEDULE

## Mahoning Elementary School

| Educational Space | No. | Area | Total | Capacity |
|---|---|---|---|---|
| Full Day Kindergarten | 2 | 780 | 1,560 | 50 |
| First Grade Clsrm | 2 | 860 | 1,720 | 50 |
| Second Grade Clsrm | 2 | 860 | 1,720 | 50 |
| Third Grade Clsrm | 2 | 860 | 1,720 | 50 |
| Fourth Grade Clsrm | 2 | 860 | 1,720 | 50 |
| Support Classroom | 1 | 780 | 780 | 25 |
| Pre-Kindergarten | | | 0 | 0 |
| Modular Clsrm | | | 0 | |
| Special Educ Clsrm | 1 | 780 | 780 | |
| I.U. / S.E. Clsrm | | | 0 | |
| S.E. Seminar / S.G.I. | | | 0 | |
| Media Center | 1 | 840 | 840 | |
| Small Group Instruction | 1 | 335 | 335 | |
| Large Group Instruction | | | 0 | |
| Science / Tech Lab | | | 0 | |
| Computer Lab | 1 | 350 | 350 | |
| Art Classroom | 1 | 860 | 860 | |
| Music Classroom | Share w/ Art | | 0 | |
| Band/Orchestra/Choral | | | 0 | |
| Music S.G.I. | | | 0 | |
| Gym/Multi-Purpose | 1 | 1,720 | 1,720 | |
| Locker/Changing Rm | | | 0 | |
| Stage/Platform | 1 | 360 | 360 | |
| Student Dining | | | 0 | |
| Kitchen Areas | 1 | 735 | 735 | |
| Administration / Guidance | 1 | 800 | 800 | |
| Health Suite | 1 | 430 | 430 | |
| Faculty Dining / Workroom | 1 | 400 | 400 | |
| Faculty / I.P.C. | | | 0 | |
| FUNCTIONAL CAPACITY | | | | 250 |
| TOTAL CAPACITY | | | | 275 |
| S. E. CAPACITY | | | | 25 |
| SCHEDULED AREA | | | 16,830 | |
| ARCHITECTURAL AREA | | | 28,470 | |

P.D.E. Capacity: 25 students per classroom. District Capacity: 25 students per classroom.

Elementary *Functional Capacity* includes Graded Classrooms, while the *Total Capacity* also includes Support Classrooms that are needed to support the educational program including Pre-Kindergarten. Special Education Capacity is not included in the Functional Capacity or Total Capacity.

The Existing building capacity may have been adjusted to represent the intended or adjusted use of space, therefore, showing respective support classrooms including Art, Music and Computer Education spaces. The area of existing spaces may be an average of respective spaces.

# SUMMARY: SITE IMPROVEMENTS

## Mahoning Elementary School

Mahoning Elementary School is located along State Route 902 in Mahoning Township, Carbon County. The site contains the existing Elementary School, paved parking facilities, two hard play areas and soft play areas. The original building is served by an existing septic drainfield in front of the School, and previous additions are served by a sand mound to the rear of the school.

Only one entrance exists for both parents and buses to drop-off and pick-up students. Parking spaces are located along one side of the main driveway entrance. The condition of the existing pavement in both the driveway/parking lot and the hard play area is poor and is starting to break up/crack. The site does not contain adequate parking spaces for the amount of staff present as there are vehicles parked on the grass adjacent to the driveway entrance. It is our understanding that the fence around the existing play areas is to have new mesh installed shortly. The site and parking areas do not contain site lighting other than building-mounted lights. There is an existing detention basin located on the western part of the site that was constructed for previous building additions. It is our understanding that this detention basin has overtopped on occasion. There is a paved walkway that runs behind the building. A large open field located north of the building drains overland towards the building. There are no drainage structures to the immediate north of the School and there is very little positive drainage to direct run-off to an existing storm inlet in the northwest corner of the rear parking lot, which then discharges to the detention basin. It appears as though any standing water will sit in the lawn area adjacent to the paved walkway and play area north of the building. There may be room to add a few parking spaces on the western side of the building above the detention basin.

**Recommendations:**

The existing paved parking areas and hard play areas would need to have the pavement structure completely reconstructed. A simple overlay or seal coat would not hold up over time in these areas. The existing fence should be re-meshed as indicated by School District personnel. If stormwater runoff and ponding water becomes an issue to the north of the building, installation of additional storm structures should be evaluated. This would also require an evaluation of the existing detention basin to determine if capacity exists. Any additional parking spaces or paved areas added would need to be accounted for in the existing detention basin. Again, an evaluation of the capacity of the detention basin would be required.

## SUMMARY BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

**Mahoning Elementary School**

| | | Cost per SF |
|---|---|---|
| **SITE EVALUATION** | **$301,500.00** | **$10.59 SF** |
| **EXTERIOR EVALUATION** | **$431,000.00** | **$15.14 SF** |
| **INTERIOR EVALUATION** | **$747,000.00** | **$26.24 SF** |
| **HEATING / VENTILATION EVALUATION** | **$1,030,000.00** | **$36.18 SF** |
| **PLUMBING EVALUATION** | **$210,000.00** | **$7.38 SF** |
| **ELECTRICAL EVALUATION** | **$515,000.00** | **$18.09 SF** |
| **CODE EVALUATION** | **$695,200.00** | **$24.42 SF** |
| **SUBTOTAL** | **$3,929,700.00** | **$138.03 SF** |
| **EDUCATIONAL UPGRADES** | **$242,500.00** | **$8.52 SF** |
| **AIR CONDITIONING (included in above)** | | |
| **TOTAL BUILDING* (RANK 1, 2, 3, TOTAL COST)** | **$4,172,200.00** | **$146.55 SF** |
| **RANK 1 TOTAL COST - REQUIRED** | **$2,626,200.00** | **$92.24 SF** |
| **RANK 2 TOTAL COST - RECOMMENDED** | **$1,500,500.00** | **$52.70 SF** |
| **RANK 3 TOTAL COST - OPTIONAL** | **$45,500.00** | **$1.60 SF** |

* For the purpose of this Study, a baseline has been established and no design contingency has been utilized. More precise costs can be developed as the District develops specific educational specifications and chooses its desired option.

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Mahoning Elementary School

| | | Rank | Cost |
|---|---|---|---|
| 1. | **Site Evaluation:** | | |
| a. | The hard-surface play areas at each side of the building are bituminous paving which is deteriorating. Replace the deteriorating areas and resurface. | **2** | $82,000.00 |
| b. | The concrete sidewalk at the front of the building has some deteriorated areas. Remove and replace the deteriorated areas. | **1** | Completed |
| c. | The paved drives and parking areas are showing signs of deterioration. Reconstruct drives and parking areas. | **1** | $75,000.00 |
| d. | The fencing at play areas is in need of repair. Replace the entire fencing mesh. | **2** | $12,000.00 |
| e. | There is no site lighting present at the school other than building-mounted fixtures. Install 8 site light fixtures at parking, drives and play areas to meet current standards. | **1** | See 6.d. |
| f. | The rear play areas and playfields are open at the perimeter. Install high fence and gates to create a secure play area. | **3** | $22,000.00 |
| g. | No fencing is present for ball control at the rear playfields. Install 4'-0" high fencing at rear playfield. | **2** | $9,000.00 |
| h. | The site does contain adequate parking for staff. Construct additional parking with retaining wall at the west drive/parking area, as well as additional stormwater management as required. | **2** | $80,000.00 |
| i. | The stormwater drainage at the north side of the building is inadequate. Provide regrading and/or additional storm structures for stormwater redirection. | **1** | $20,000.00 |
| j. | The exterior sound system is inadequate. Provide exterior sound system enhancements to meet current standards. | **2** | $1,500.00 |
| | **Total Site Evaluation Cost** | | **$301,500.00** |

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Mahoning Elementary School

| | | Rank | Cost |
|---|---|---|---|
| 2. | **Exterior of Building Evaluation:** | | |
| | a. The exterior roof soffit shows signs of wear and deterioration, and should be repaired and painted. | **3** | $3,500.00 |
| | b. The metal roof fascia shows signs of fading and wear, and should be painted. | **2** | $2,500.00 |
| | c. The sealant at EIFS window infill areas is cracking and failing. The sealant and joints should be cleaned and the joints recaulked. | **2** | $5,000.00 |
| | d. The EPDM roofing system was previously coated with a urethane coating and is approaching the end of it's warrantee. The roof should be fully removed and replaced with a new Built-up roofing system. | **1** | $420,000.00 |
| | **Total Exterior of Building Evaluation Cost** | | **$431,000.00** |
| 3. | **Interior of Building Evaluation:** | | |
| | a. Replace the door hardware, which is showing signs of deterioration and use. | **1** | $15,000.00 |
| | b. The walls in classrooms and corridors have areas in need of repair, and should be patched and the walls painted. | **1** | $27,000.00 |
| | c. The wall-mounted pocket tables at the Cafeteria are in poor condition and should be replaced. | **1** | $45,000.00 |
| | d. The acoustic ceiling tile throughout the building shows wear and deterioration, and should be replaced. | **1** | $130,000.00 |
| | e. The Kitchen equipment is original to the facility and should be replaced. | **2** | $400,000.00 |
| | f. The carpet and VCT flooring throughout the building shows wear and deterioration, and should be replaced. | **2** | $130,000.00 |

### Mahoning Elementary School

| | | Rank | Cost |
|---|---|---|---|
| g. | Asbestos floor tile and ceiling material is present, and should be abated prior to installing new floor and ceiling finishes. | **2** | Completed |
| | **Total Interior of Building Evaluation Cost** | | **$747,000.00** |

4. **Heating, Ventilation, and Air Conditioning Evaluation:**

| | | | |
|---|---|---|---|
| a. | The boilers are around 17 years old. The expected service life of cast iron boilers is listed in ASHRAE at 35 years. For burners, the service life is listed at 21 years. While the boilers have many years of service remaining, the burners should be replaced in the next few years. | **2** | $25,000.00 |
| b. | Many of the valves in the building are original and no longer function. These valves should be replaced or additional valves should be added to allow the system to be serviced without effecting the entire school. | **2** | $15,000.00 |
| c. | The hot water heating loop pumps are in good condition but are nearing the end of their typical service life expectancy. | **2** | $30,000.00 |
| d. | It was noted that there is some damaged insulation on the piping systems as well as the boiler flue system. This insulation should be repaired to protect against burns and to increase the system efficiencies. | **1** | $5,000.00 |
| e. | The piping system in the building is generally over 50 years old. Replacement should be considered as the pipe system is well beyond the typical service life expectancy. | **1** | $145,000.00 |
| f. | The air handlers located in the basement boiler room area are in good condition. The main concern with these units is the non traditional method of air distribution to the classrooms and the zoning issues. In addition, it is not clear if the units provide adequate amounts of ventilation to the classrooms. | | N/A |
| g. | The window air conditioners are inefficient and provide a security concern. These units should be replaced with more modern ducted type systems. | **1** | $40,000.00 |

## Mahoning Elementary School

| | | Rank | Cost |
|---|---|---|---|
| h. | Building wide air conditioning should be considered. | **2** | $600,000.00 |
| i. | Exhaust systems in the toilet rooms do not appear to comply with current standards. These systems should be upgraded. | **1** | $20,000.00 |
| j. | There are many temperature control issues in the facility which should be addressed. The system in place has had multiple failures and difficulties. We recommend installing new controls in the facility that would include some energy saving functions. | **1** | $150,000.00 |
| | **Total HVAC Evaluation Cost** | | **$1,030,000.00** |

5. **Plumbing Evaluation:**

| | | | |
|---|---|---|---|
| a. | The plumbing fixtures, faucets, and flush valves were generally found to be in fair condition but should be replaced due to age. | **1** | $60,000.00 |
| b. | Domestic hot water is produced off a 80 gallon electric water heater located in the basement area. The related hot water recirculation was not functioning at the time of our inspection. | **1** | $30,000.00 |
| c. | The plumbing piping systems are in poor condition and in need of replacement. There have been issues related to pin holes in the copper, drain failures, and general maintenance issues with leaks. | **1** | $120,000.00 |
| | **Total Plumbing Evaluation Cost** | | **$210,000.00** |

6. **Electrical Evaluation:**

| | | | |
|---|---|---|---|
| a. | The electric service enters the building from a utility owned, pole mounted transformer. The service feeds a 120/208 volt, 400 amp fused disconnect which feeds a circuit breaker panel, manufactured by Siemens and a 200 fused disconnect switch feeds the boiler room panels. The equipment is over 15 years old and would not be large enough to support Air Conditioning.<br>Replacement is recommended and required for the installation of Air Conditioning. | **1** | $108,000.00 |

## Mahoning Elementary School

| | | Rank | Cost |
|---|---|---|---|
| b. | The panelboards throughout the building are circuit breaker panelboards, most manufactured by Square D. The panelboards installed in the 1992 renovation are in good condition but some panelboards are over 54 years old. The panelboards are generally filled to capacity, making it difficult to add circuits. Replacement is recommended for the older panelboards and additional added. | **1** | $36,000.00 |
| c. | General classroom lighting consists of retrofitted pendant mounted T8 fluorescent fixtures. Replace lighting to meet the watts per square foot requirements of the International Energy Code and foot-candle requirements of the Department of Education. | **1** | $105,000.00 |
| d. | The exterior building lighting and parking lot lighting is minimal. Provide security lighting around the building and lighting for the parking lots. | **1** | $30,000.00 |
| e. | The emergency power consists of a propane emergency generator. The generator is 15kw, 120/240 volt, 1 phase installed in the boiler room area. There is 1 automatic transfer switch and an area protection panel. Replacement of the emergency generator and emergency distribution is recommended. | **2** | $21,000.00 |
| f. | Typical classrooms have minimal receptacles and circuits. In some classrooms, receptacles were added but were connected to existing circuits causing circuiting issues. It is recommended that additional receptacles and associated circuits be added in classrooms. Receptacles connected to panelboards with integral surge protection should be added for computer circuits. | **1** | $150,000.00 |
| g. | The main intercom/program systems was upgraded in 1991 but the master clock system was not. Atomic clocks are used throughout the facility. Upgrade the existing program system to meet the needs of the facility and provide a master clock system. | **2** | $40,000.00 |

## Mahoning Elementary School

| | | Rank | Cost |
|---|---|---|---|
| h. | There are minimal data drops in the classrooms and other areas. Provide additional data drops for the classrooms. | **1** | See 8.a. |
| i. | The gymnasium local sound system does not meet the needs of the space. Provide a local sound system for the gymnasium. | **3** | $20,000.00 |
| j. | The kitchen lacks groundfault breakers/receptacles to meet the requirements of the NEC. Provide groundfault breakers/receptacles. | **1** | $5,000.00 |
| k. | The building has 3 card access doors and a minimal security system. Provide additional card readers and a security system. | **1** | See 8.b. |
| l. | The building has 3 exterior cameras and a DVR in the office area. This equipment is outdated. Provide a camera system with DVR for the building. | **1** | See 8.b. |
| | **Total Electrical Evaluation Cost** | | **$515,000.00** |

7. **Code Evaluation:**

"The IBC 2006, Americans with Disabilities Act, and recommendations by the Department of Education require all buildings, during the renovation process, to be updated to meet current standards and codes. The following building system will need to be updated during the renovation process in order to meet current standards and codes."

The following items may be required depending on the level of work completed.

| | | | |
|---|---|---|---|
| a. | The reception counters in the Administration and Nurse's suite areas are not ADA accessible and should be replaced. | **1** | $10,000.00 |
| b. | The toilet within the Administration area is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |

## Mahoning Elementary School

| | Rank | Cost |
|---|---|---|
| c. The toilet within the Nurse's suite is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |
| d. The sinks and cabinets in Nurse's suite and Exam room are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $2,500.00 |
| e. The entrance door from the corridor to the Nurse's suite is not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| f. The fire extinguisher cabinets located at the Corridors are not ADA accessible and should be modified/relocated to meet current ADA standards. | **1** | $5,000.00 |
| g. The drinking fountains located at the Corridors are not ADA accessible and should be modified/relocated to meet current ADA standards. | **1** | $6,500.00 |
| h. The sinks and cabinets in the Art/Music room are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $2,000.00 |
| i. The toilet located in the Art/Music room is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |
| j. The sinks and cabinets in the Faculty room are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $1,200.00 |
| k. The corridor entrance doors to the Multi-Purpose room are not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| l. The exterior exit doors from the Multi-Purpose room are not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,500.00 |
| m. The door from the Kitchen to the Multi-Purpose room is not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| n. The boys and girls toilet rooms do not contain ADA accessible sinks and toilets. Modify toilet rooms and fixtures to meet current ADA standards. | **1** | $7,500.00 |

## Mahoning Elementary School

| | Rank | Cost |
|---|---|---|
| o. The toilet within the Reading room is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |
| p. The Reading room door is not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| q. The toilets within the Special Education and Math Classrooms are not ADA accessible and should be modified to meet current ADA standards. | **1** | $40,000.00 |
| r. The toilets within the Kindergarten Classrooms are not ADA accessible and should be modified to meet current ADA standards. | **1** | $40,000.00 |
| s. The sinks and cabinets in the Classrooms are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $12,000.00 |
| t. The corridor entrance doors to the Classrooms are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $35,000.00 |
| u. The building is not fully sprinklered, and the corridors are currently not rated. The building should be fully sprinklered to meet current codes. | **1** | $300,000.00 |
| v. The plumbing fixtures throughout the facility do not comply with the current ADA requirements for accessibility. | **1** | See 5.a. |
| w. The outdoor air ventilation rates for the classrooms do not comply with current standards. If a system replacement were to occur, the ventilation air should be adjusted to meet the current standards. There were several rooms being used as classroom spaces that do not have any fresh air ventilation. | **1** | $50,000.00 |
| x. The building lacks emergency lighting that meets current codes and the emergency lighting required at every exterior door. Provide additional emergency lighting required by current codes. | **1** | $30,000.00 |
| y. The existing fire alarm system lacks audio-visual devices in many areas required by code. Replacement of the system to meet all codes is recommended. | **1** | $43,000.00 |

### Mahoning Elementary School

| | | Rank | Cost |
|---|---|---|---|
| z. | Provide occupancy sensors or lighting control panels to meet the requirements of the International Energy Code. | **2** | $15,000.00 |
| | **Total Code Evaluation Cost** | | **$695,200.00** |
| 8. | **Educational Upgrades:** | | |
| a. | The District should continue system upgrades, with respect to technology. Plan to: implement networking system (data); upgrades for classrooms to include LCD projectors, enhanced sound system, and wireless mics; provide adequate electrical and telephone (Voice over IP) upgrades; provide other technology (Video) equipment; and provide necessary software and related supplies. (Voice system is being upgraded by District and not included.) | **1** | $150,000.00 |
| b. | Provide a security system of motion detectors and cameras located at strategic points in the corridor areas, and door alarms on all existing exits. Provide all cables, termination devices, and terminal equipment required to construct a complete expanded system for day/occupied security system. | **1** | $60,000.00 |
| c. | Acoustics are poor in Cafeteria / Multipurpose Room. Install additional acoustical treatment. | **2** | $25,000.00 |
| d. | Provide directional signage, both for the site and building interior. | **2** | $7,500.00 |
| | **Total Educational Upgrades Cost** | | **$242,500.00** |
| | **Total Building Cost** | | **$4,172,200.00** |
| | **RANK 1 TOTAL COST** | | **$2,626,200.00** |
| | **RANK 2 TOTAL COST** | | **$1,500,500.00** |
| | **RANK 3 TOTAL COST** | | **$45,500.00** |
| | **RANK 1, 2, 3, TOTAL COST** | | **$4,172,200.00** |

SHULL-DAVID ES

## GENERAL DATA

### Shull-David Elementary School

| | |
|---|---|
| **Built:** | 1959, with additions/alterations 1993 (PlanCon Part G) |
| **Site:** | 3.63 acres, located in a residential area with paved drives, parking, play areas, and ball field. |
| **Structure:** | Two-story building with concrete floors, metal roof decks, and masonry walls. Unprotected, non-combustible construction in accordance with current PA Department of Labor and Industry building code (2006 International Building Code - 2B). |
| **Heating System:** | Hot water is generated from two cast iron boilers. The boilers are fired with both gas and oil. Hot water is distributed to unit ventilators, air handlers, wall fin heaters, cabinet heaters, and other miscellaneous heating units. |
| **Ventilation Systems:** | Outdoor air is provided through the classroom unit ventilators. Toilet rooms have exhaust ventilation systems. |
| **Control System:** | Pneumatic control system |
| **Air Conditioning System:** | Window units are installed to serve some offices and the computer room. Ceiling fans are provided in classrooms to help with comfort. |
| **Plumbing Services:** | Public water and sewer services |
| **Water Heating:** | Connection to the boiler and a propane fired 86 gallon water heater with a hot water recirculation system. |
| **Electrical Service:** | 120/208 volt; 3-phase; 800 amp |
| **Systems:** | Fire Alarm System<br>Minimal Emergency Lighting<br>Intercom / Program System<br>Atomic Clocks<br>Data Network<br>CATV<br>VOIP Telephone System<br>Video Surveillance |
| **Architectural Area:** | 38,515 SF |
| **PDE Replacement Value:** | $5,763,800 ( 350 FTE x 92 sf = 32,200 x $179 / sf = replacement cost )<br>$1,152,760 ( 20% Rule ) |
| **PDE Total Capacity:** | 350 |
| **Current Enrollment:** | 298 Students |

# PHOTOGRAPHS

## Shull-David Elementary School














# PHOTOGRAPHS

## Shull-David Elementary School














# PHOTOGRAPHS

## Shull-David Elementary School














# PHOTOGRAPHS

## Shull-David Elementary School









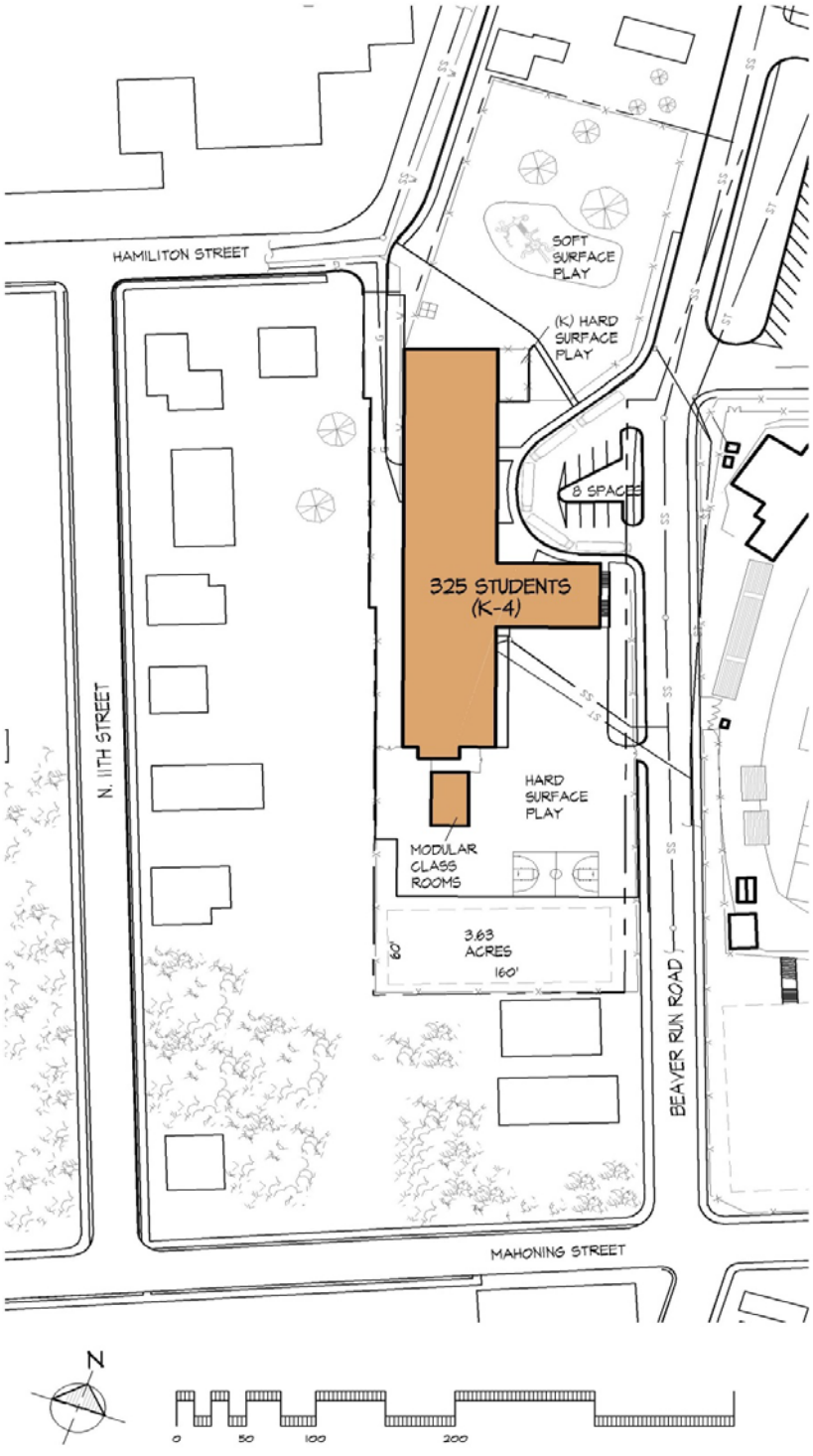

## AERIAL VIEW

### Shull-David Elementary School



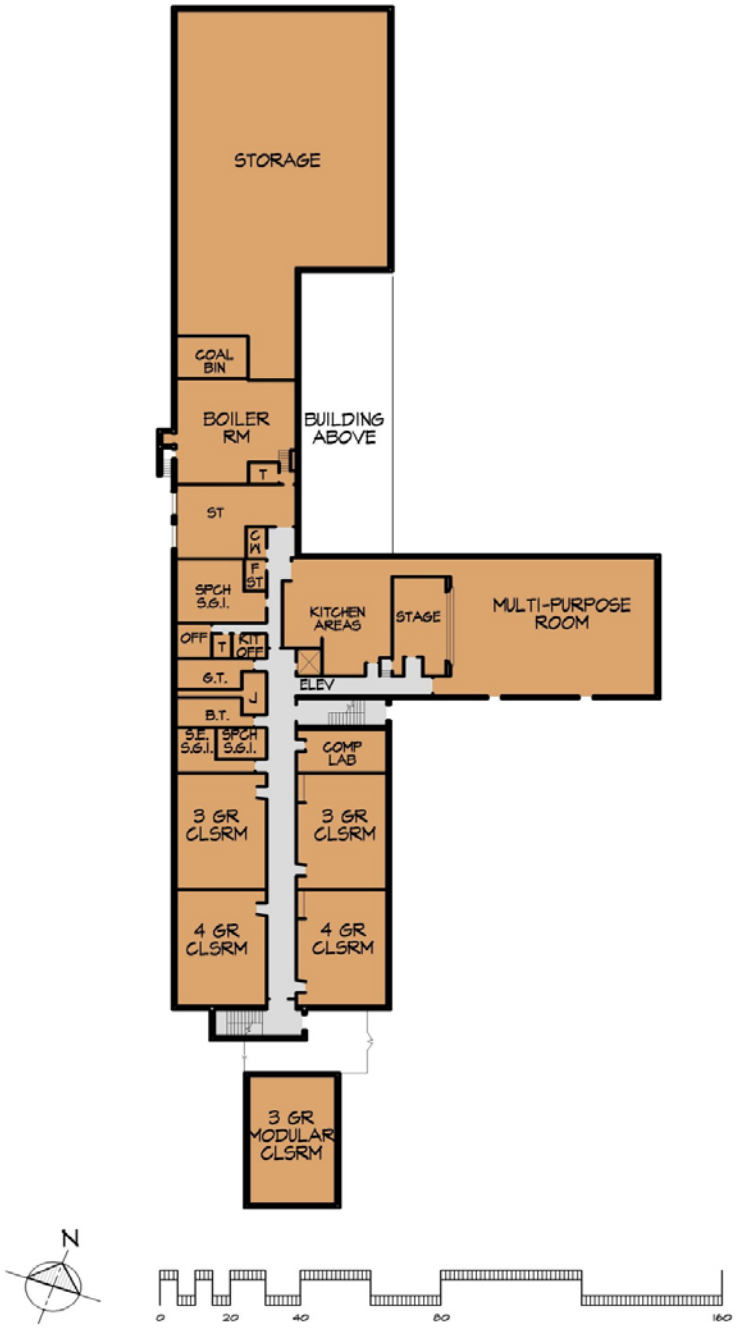
# EXISTING SITE PLAN

## Shull-David Elementary School



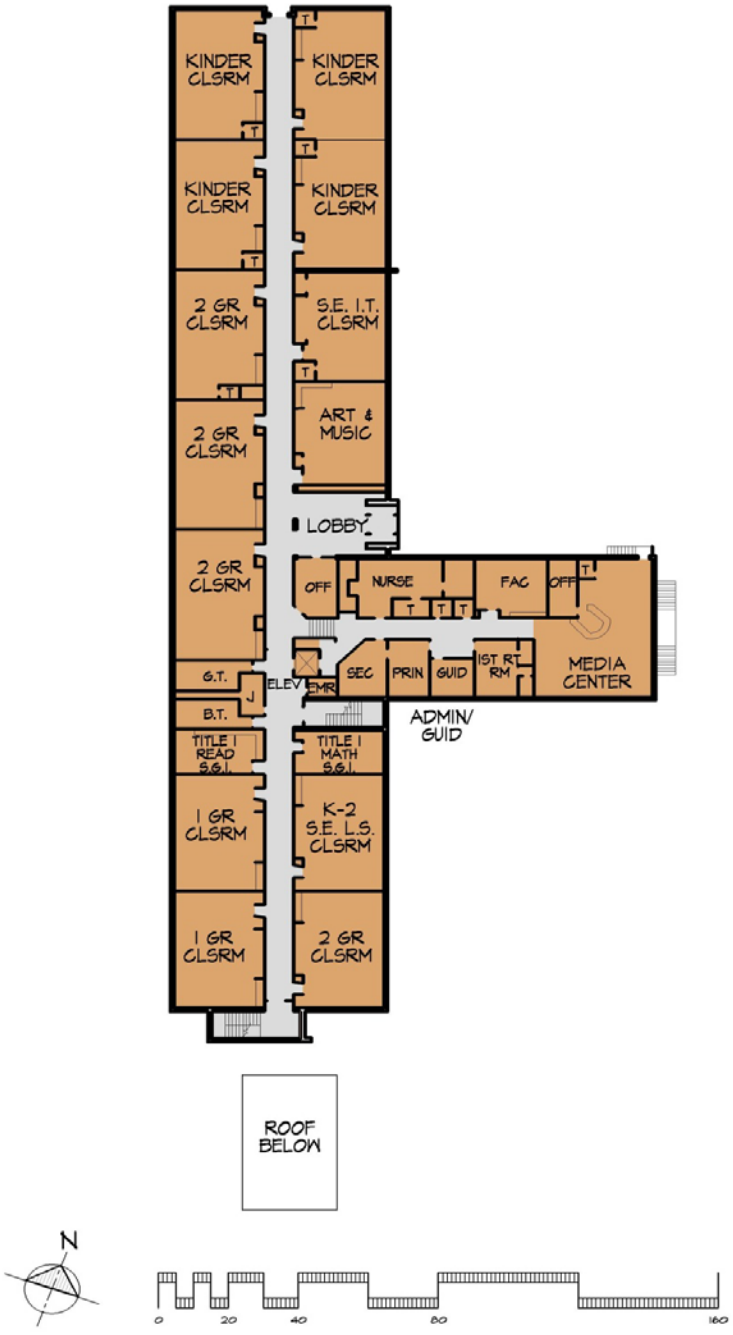
# EXISTING GROUND FLOOR PLAN

## Shull-David Elementary School



# EXISTING FIRST FLOOR PLAN

## Shull-David Elementary School



# EXISTING ROOM SCHEDULE

## Shull-David Elementary School

| Educational Space | No. | Area | Total | PDE / Dist. FTE |
|---|---|---|---|---|
| Full Day Kindergarten | 4 | 980 | 3,920 | 100 |
| First Grade Clsrm | 2 | 910 | 1,820 | 50 |
| Second Grade Clsrm | 4 | 975 | 3,900 | 100 |
| Third Grade Clsrm | 2 | 910 | 1,820 | 50 |
| Fourth Grade Clsrm | 2 | 910 | 1,820 | 50 |
| Support Classroom | | | 0 | 0 |
| Pre-Kindergarten | | | 0 | 0 |
| Modular Clsrm | 1 | Third Grade | 0 | |
| Special Educ Clsrm | 2 | 870 | 1,740 | |
| I.U. / S.E. Clsrm | | | 0 | |
| S.E. Seminar / S.G.I. | 1 | 200 | 200 | |
| Media Center | 1 | 1,170 | 1,170 | |
| Small Group Instruction | 4 | 305 | 1,220 | |
| Large Group Instruction | | | 0 | |
| Science / Tech Lab | | | 0 | |
| Computer Lab | 1 | 325 | 325 | |
| Art Classroom | 1 | 825 | 825 | |
| Music Classroom | Share w/ Art | | 0 | |
| Band/Orchestra/Choral | | | 0 | |
| Music S.G.I. | | | 0 | |
| Gym/Multi-Purpose | 1 | 2,550 | 2,550 | |
| Locker/Changing Rm | | | 0 | |
| Stage/Platform | 1 | 420 | 420 | |
| Student Dining | | | 0 | |
| Kitchen Areas | 1 | 1,155 | 1,155 | |
| Administration / Guidance | 1 | 1,100 | 1,100 | |
| Health Suite | 1 | 530 | 530 | |
| Faculty Dining / Workroom | 1 | 350 | 350 | |
| Faculty / I.P.C. | 1 | 100 | 100 | |
| FUNCTIONAL CAPACITY | | | | 350 |
| TOTAL CAPACITY | | | | 350 |
| S. E. CAPACITY | | | | 50 |
| SCHEDULED AREA | | | 24,965 | |
| ARCHITECTURAL AREA | | | 38,515 | |

P.D.E. Capacity: 25 students per classroom. District Capacity: 25 students per classroom.

Elementary *Functional Capacity* includes Graded Classrooms, while the *Total Capacity* also includes Support Classrooms that are needed to support the educational program including Pre-Kindergarten. Special Education Capacity is not included in the Functional Capacity or Total Capacity.

The Existing building capacity may have been adjusted to represent the intended or adjusted use of space, therefore, showing respective support classrooms including Art, Music and Computer Education spaces. The area of existing spaces may be an average of respective spaces.

# SUMMARY: SITE IMPROVEMENTS

## Shull-David Elementary School

Shull-David Elementary School is located along Beaver Run Road in the Borough of Lehighton, Carbon County. The site contains the existing Elementary School, paved parking facilities, a hard play area and soft play areas. The building is served by a public sanitary sewer system.

Only one entrance exists for both bus and parent drop-off. The pavement in the main parking area in front of the School is in decent condition. It is starting to show signs of cracking at a few locations. It would be necessary to mill & overlay this parking area if replacement is deemed necessary. Milling of the old pavement is necessary to keep the reveal of the existing curb so that stormwater is directed properly. The hard play areas north & south of the School are showing signs of cracking. The pavement in the northern play area would need to be milled before overlaying in order to provide positive drainage away from the doors and building. The pavement in the southern play area may need to be rebuilt from the stone sub-base up to remove uneven areas and the sloped area by the basketball court. The existing fence around the soft play areas and along Beaver Run Road is in good condition. The alley behind the building is paved and stormwater drains down and across the southwestern part of the hard play area. There are no site lights within the play area other than building-mounted lights. The small parking lot in front of the School does contain a site light. There were no reported issues with stormwater drainage around the building.

**Recommendations:**

The pavement in the front parking lot and drop-off area is in fair condition. If improvement is necessary, this pavement should be milled & overlaid so that proper curb reveal can be maintained. The northern hard play would also need to be milled prior to an overlay to maintain proper drainage. The southern hard play area should be removed and reconstructed from the stone sub-base and possible regrading done to eliminate the sloped area by the basketball court.

## SUMMARY BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

**Shull-David Elementary School**

| | | Cost per SF |
|---|---|---|
| **SITE EVALUATION** | **$163,750.00** | **$4.25 SF** |
| **EXTERIOR EVALUATION** | **$423,500.00** | **$11.00 SF** |
| **INTERIOR EVALUATION** | **$524,000.00** | **$13.61 SF** |
| **HEATING / VENTILATION EVALUATION** | **$1,640,000.00** | **$42.58 SF** |
| **PLUMBING EVALUATION** | **$240,000.00** | **$6.23 SF** |
| **ELECTRICAL EVALUATION** | **$659,000.00** | **$17.11 SF** |
| **CODE EVALUATION** | **$803,500.00** | **$20.86 SF** |
| **SUBTOTAL** | **$4,453,750.00** | **$115.64 SF** |
| **EDUCATIONAL UPGRADES** | **$312,500.00** | **$8.11 SF** |
| **AIR CONDITIONING (included in above)** | | |
| **TOTAL BUILDING* (RANK 1, 2, 3, TOTAL COST)** | **$4,766,250.00** | **$123.75 SF** |
| **RANK 1 TOTAL COST - REQUIRED** | **$3,628,500.00** | **$94.21 SF** |
| **RANK 2 TOTAL COST - RECOMMENDED** | **$1,137,750.00** | **$29.54 SF** |
| **RANK 3 TOTAL COST - OPTIONAL** | **$0.00** | **$0.00 SF** |

* For the purpose of this Study, a baseline has been established and no design contingency has been utilized. More precise costs can be developed as the District develops specific educational specifications and chooses its desired option.

## BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

### Shull-David Elementary School

| | Rank | Cost |
|---|---|---|
| 1. **Site Evaluation:** | | |
| a. The hard-surface play areas at the north side of the building are bituminous paving which is deteriorating. Replace the deteriorating areas and resurface, which requires milling prior to overlay to maintain proper drainage. | **2** | $20,250.00 |
| b. The hard-surface play areas at the south side of the building are bituminous paving which is deteriorating. Replace the deteriorating areas and resurface, which requires the paving to be removed and reconstructed with regrading to eliminate the sloped area at the basketball court. | **2** | $80,000.00 |
| c. The concrete sidewalk at the front of the building has some deteriorated areas. Remove and replace the deteriorated areas. | **1** | $17,000.00 |
| d. The fencing at the lower play area, adjacent to the alley, is in need of repair. Replace the fence. | **2** | $5,500.00 |
| e. There is no site lighting present at the school other than building-mounted fixtures. Install 2 site light fixtures at parking, drives and play areas to meet current standards. | **1** | $10,000.00 |
| f. The east hard surface play area is open at the perimeter. Install high fence and gate to create a secure play area. | **2** | $1,000.00 |
| g. The concrete retaining wall, concrete cap and fencing at the rear alley is in poor condition and should be replaced. | **1** | $30,000.00 |
| **Total Site Evaluation Cost** | | **$163,750.00** |
| 2. **Exterior of Building Evaluation:** | | |
| a. The exterior roof soffit is in disrepair and should be repaired and painted. | **2** | $5,000.00 |

## Shull-David Elementary School

| | Rank | Cost |
|---|---|---|
| b. The EPDM roofing system was previously coated with a urethane coating and is approaching the end of it's warrantee. The roof should be fully removed and replaced with a new Built-up roofing system. | **1** | $410,000.00 |
| c. The sealant at the perimeter of the building and macadam surfaces is deteriorating and should be replaced. | **2** | $3,500.00 |
| d. The concrete sill at the Kitchen office window is in poor condition and should be removed and replaced. | **2** | $5,000.00 |
| **Total Exterior of Building Evaluation Cost** | | **$423,500.00** |

3. **Interior of Building Evaluation:**

| | | |
|---|---|---|
| a. The carpet and VCT flooring throughout the building shows wear and deterioration, and should be replaced. | **2** | $140,000.00 |
| b. The acoustic ceiling tile throughout the building shows wear and deterioration, and should be replaced. | **1** | $135,000.00 |
| c. The walls in throughout the facility have areas in need of repair, and should be patched and the walls painted. | **1** | $52,000.00 |
| d. The wall-mounted pocket tables at the Cafeteria are in poor condition and should be replaced. | **1** | $45,000.00 |
| e. Replace the door hardware, which is showing signs of deterioration and use. | **1** | $24,000.00 |
| f. Asbestos ceiling material is present, and should be abated prior to installing ceiling finishes. | **2** | $128,000.00 |
| **Total Interior of Building Evaluation Cost** | | **$524,000.00** |

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Shull-David Elementary School

| | | Rank | Cost |
|---|---|---|---|
| 4. | **Heating, Ventilation, and Air Conditioning Evaluation:** | | |
| a. | The boilers are around 20 years old. The expected service life of cast iron boilers is listed in ASHRAE at 35 years. For burners, the service life is listed at 21 years. While the boilers have many years of service remaining, the burners should be replaced in the next few years. | **2** | $25,000.00 |
| b. | Many of the valves in the building are original and no longer function. These valves should be replaced or additional valves should be added to allow the system to be serviced without effecting the entire school. | **2** | $20,000.00 |
| c. | The heating circulation pumps are in fair condition, but do not appear to offer and backup capability. Theses pumps should be replaced with a system that offers some redundancy so that there is a standby system available in an emergency no heat mode. | **2** | $50,000.00 |
| d. | There appears to be possible asbestos in the boiler room. This should be further evaluated and removed as applicable. | | N/A |
| e. | The piping system in the building is generally over 50 years old. Replacement should be considered as the pipe system is well beyond the typical service life expectancy. There were several leaks noted at various locations in the school. | **1** | $225,000.00 |
| f. | The classroom unit ventilators vary in age and are up to 50 years old. These units are in need of replacement. | **1** | $600,000.00 |
| g. | The window air conditioners are inefficient and provide a security concern. These units should be replaced with more modern ducted type systems. | **1** | $50,000.00 |
| h. | Building wide air conditioning should be considered. | **2** | $400,000.00 |
| i. | Exhaust systems in the toilet rooms do not appear to comply with current standards. These systems should be upgraded. | **1** | $30,000.00 |

## Shull-David Elementary School

| | | Rank | Cost |
|---|---|---|---|
| j. | There are many temperature control issues in the facility due to the type of system and lack of controllability. We recommend installing new controls in the facility that would include some energy saving functions. | **1** | $200,000.00 |
| k. | The existing oil tank should be removed and replaced. | **2** | $10,000.00 |
| l. | There were some storage areas that have been converted to instructional spaces. Adequate space conditioning should be provided in these areas. | **2** | $30,000.00 |
| | **Total HVAC Evaluation Cost** | | **$1,640,000.00** |

5. **Plumbing Evaluation:**

| | | | |
|---|---|---|---|
| a. | The plumbing piping systems are in poor condition and in need of replacement. There have been issues related to pin holes in the copper, corroding drains, and general maintenance issues with leaks. | **1** | $150,000.00 |
| b. | The piping in the kitchen area is insulated with fiberglass pipe insulation. This insulation should be replaced with a system that is moisture resistant. | **1** | $10,000.00 |
| c. | Domestic hot water is produced from a Lochinvar Copper Fin II unit with a storage tank. This system was functioning properly at the time of the survey. | | N/A |
| d. | The plumbing fixtures, faucets, and flush valves were generally found to be in fair condition but should be replaced due to age. | **2** | $80,000.00 |
| | **Total Plumbing Evaluation Cost** | | **$240,000.00** |

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Shull-David Elementary School

| | Rank | Cost |
|---|---|---|
| 6. **Electrical Evaluation:** | | |
| a. The electric service enters the building from a utility owned, pad mounted transformer. The service feeds a 120/208 volt, 800 switchboard, manufactured by Westinghouse. The equipment is over 15 years old and would not be large enough to support Air Conditioning. | | |
| Replacement is recommended and required for the installation of Air Conditioning. | **1** | $144,000.00 |
| b. The panelboards throughout the building are circuit breaker panelboards, most manufactured by Westinghouse. The panelboards installed in the 1992 renovation are in good condition. The panelboards are generally filled to capacity, making it difficult to add circuits. | | |
| Replacement is recommended for the older panelboards and additional added. | **1** | $50,000.00 |
| c. General classroom lighting consists of retrofitted surface mounted T8 fluorescent fixtures. | | |
| Replace lighting to meet the watts per square foot requirements of the International Energy Code and foot-candle requirements of the Department of Education | **1** | $138,000.00 |
| d. The exterior building lighting and parking lot lighting is minimal. | | |
| Provide security lighting around the building and lighting for the parking lots. | **1** | $40,000.00 |
| e. The emergency power consists of a propane emergency generator. The generator is 10kw, 120/208 volt, 3 phase installed outside the boiler room area. There is 1 automatic transfer switch and an area protection panel. | | |
| Replacement of the emergency generator and emergency distribution is recommended. | **2** | $30,000.00 |

## Shull-David Elementary School

| | | Rank | Cost |
|---|---|---|---|
| f. | Typical classrooms have minimal receptacles and circuits. In some classrooms, receptacles were added but were connected to existing circuits causing circuiting issues.<br>It is recommended that additional receptacles and associated circuits be added in classrooms. Receptacles connected to panelboards with integral surge protection should be added for computer circuits. | **1** | $200,000.00 |
| g. | The main intercom/program systems was upgraded in 1992 but the master clock system was not. Atomic clocks are used throughout the facility.<br>Upgrade the existing program system to meet the needs of the facility and provide a master clock system. | **2** | $52,000.00 |
| h. | There are minimal data drops in the classrooms and other areas.<br>Provide additional data drops for the classrooms. | **1** | See 8.a. |
| i. | The kitchen lacks groundfault breakers/receptacles to meet the requirements of the NEC.<br>Provide groundfault breakers/receptacles. | **1** | $5,000.00 |
| j. | The building has 3 card access doors and a minimal security system.<br>Provide additional card readers and a security system. | **1** | See 8.b. |
| k. | The building has 6 exterior cameras and a DVR in the office area. This equipment is outdated.<br>Provide a camera system with DVR for the building. | **1** | See 8.b. |
| | **Total Electrical Evaluation Cost** | | **$659,000.00** |

## Shull-David Elementary School

| | | Rank | Cost |
|---|---|---|---|
| 7. | **Code Evaluation:** | | |
| | "The IBC 2006, Americans with Disabilities Act, and recommendations by the Department of Education require all buildings, during the renovation process, to be updated to meet current standards and codes. The following building system will need to be updated during the renovation process in order to meet current standards and codes." | | |
| | The following items may be required depending on the level of work completed. | | |
| a. | The toilets within Classrooms are not ADA accessible and should be modified to meet current ADA standards. | **1** | $80,000.00 |
| b. | The sinks and cabinets in Classrooms are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $30,000.00 |
| c. | The reception counters in the Building Secretary and Main Administration areas are not ADA accessible and should be replaced. | **1** | $10,000.00 |
| d. | The toilet within the Nurse's suite is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |
| e. | The sinks and cabinets in Nurse's suite and Exam room are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $2,500.00 |
| f. | The Faculty toilets are not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |
| g. | The toilet within the Conference room is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |
| h. | The sinks and cabinets in the Faculty Dining area are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $2,000.00 |

## Shull-David Elementary School

| | | Rank | Cost |
|---|---|---|---|
| i. | The fire extinguisher cabinets located at the Corridors are not ADA accessible and should be modified/relocated to meet current ADA standards. | **1** | $5,000.00 |
| j. | The toilet within the Library is not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |
| k. | The Classroom entrances are not ADA accessible and should be modified to meet current ADA standards. | **1** | $90,000.00 |
| l. | The entrance door to the Mechanical room currently swings into the space. Modify the door to out-swing as required by code. | **1** | $5,000.00 |
| m. | The stair railings do not have extensions at the lower rails, and should be modified to meet current code requirements. | **1** | $12,000.00 |
| n. | The girls and boys toilet rooms do not contain ADA accessible sinks, toilets and entrances. Modify toilet rooms and fixtures to meet current ADA standards. | **1** | $75,000.00 |
| o. | The boiler room toilet and locker room area does not contain ADA accessible toilet fixtures, lockers or benches. Modify toilet and locker rooms and fixtures to meet current ADA standards. | **1** | $25,000.00 |
| p. | The Kitchen staff toilet and office areas are not ADA accessible. Modify toilet and office area to meet current ADA standards. | **1** | $30,000.00 |
| q. | The building is not fully sprinklered, and the corridors are currently not rated. The building should be fully sprinklered to meet current codes. | **1** | $225,000.00 |
| r. | The exterior Classroom exits have 6" high concrete pads and are not ADA accessible. Ramped door pads should be installed to meet current ADA standards. | **1** | $5,000.00 |
| s. | The plumbing fixtures throughout the facility do not comply with the current ADA requirements for accessibility. | **1** | See 5.d. |

## Shull-David Elementary School

| | | Rank | Cost |
|---|---|---|---|
| t. | The outdoor air ventilation rates for the classrooms do not comply with current standards. If a system replacement were to occur, the ventilation air should be adjusted to meet the current standards. There were several rooms being used as classroom spaces that do not have any fresh air ventilation | **1** | See 4.f. |
| u. | The combustion air should be updated to comply with current code requirements. | **1** | $5,000.00 |
| v. | Emergency burner shutoff switches should be added in the boiler rooms to meet current code requirements. | **1** | $5,000.00 |
| w. | The building lacks emergency lighting that meets current codes and the emergency lighting required at every exterior door. Provide additional emergency lighting required by current codes. | **1** | $40,000.00 |
| x. | The existing fire alarm system lacks audio-visual devices in many areas required by code. Replacement of the system to meet all codes is recommended. | **1** | $57,000.00 |
| y. | Provide occupancy sensors or lighting control panels to meet the requirements of the International Energy Code. | **2** | $20,000.00 |
| | **Total Code Evaluation Cost** | | **$803,500.00** |

## BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

### Shull-David Elementary School

| | | Rank | Cost |
|---|---|---|---|
| 8. | **Educational Upgrades:** | | |
| | a. The District should continue system upgrades, with respect to technology. Plan to: implement networking system (data); upgrades for classrooms to include LCD projectors, enhanced sound system, and wireless mics; provide adequate electrical and telephone (Voice over IP) upgrades; provide other technology (Video) equipment; and provide necessary software and related supplies. (Voice system is being upgraded by District and not included.) | **1** | $200,000.00 |
| | b. Provide a security system of motion detectors and cameras located at strategic points in the corridor areas, and door alarms on all existing exits. Provide all cables, termination devices, and terminal equipment required to construct a complete expanded system for day/occupied security system | **1** | $80,000.00 |
| | c. Acoustics are poor in Cafeteria / Multipurpose Room. Install additional acoustical treatment. | **2** | $25,000.00 |
| | d. Provide directional signage, both for the site and building interior. | **2** | $7,500.00 |
| | **Total Educational Upgrades Cost** | | **$312,500.00** |
| | **Total Building Cost** | | **$4,766,250.00** |

| | |
|---|---|
| **RANK 1 TOTAL COST - REQUIRED** | **$3,628,500.00** |
| **RANK 2 TOTAL COST - RECOMMENDED** | **$1,137,750.00** |
| **RANK 3 TOTAL COST - OPTIONAL** | **$0.00** |
| **RANK 1, 2, 3, TOTAL COST** | **$4,766,250.00** |

LEHIGHTON
AREA MS

## GENERAL DATA

### Lehighton Area Middle School

**Built:** 1964, with additions/alterations 1993 (PlanCon Part G)

**Site:** 17 acres, located in a residential area with paved drives, parking, play areas, and ball field.

**Structure:** Two-story building with concrete floors; gypsum roof decks; and masonry walls. Unprotected, non-combustible construction in accordance with current PA Department of Labor and Industry building code (2006 International Building Code - Type 2B).

**Heating System:** Hot water is generated from two cast iron boilers. The boilers are fired with gas. Hot water is distributed to central air handlers, classroom unit ventilators, wall fin heaters, cabinet heaters, and other miscellaneous heating units.

**Ventilation Systems:** Outdoor air is provided through air handlers and unit ventilators. Toilet rooms have exhaust ventilation systems.

**Control System:** Pneumatic control system

**Air Conditioning System:** Some areas are cooled with 16 year old rooftop air conditioning units.

**Plumbing Services:** The school is tied to the public water and sewer systems.

**Water Heating:** Aerco water heater with no storage and an inadequate delivery and recirculation system.

**Electrical Service:** 120/208 volt; 3-phase; 2500 amp

**Systems:**

| | |
|---|---|
| Fire Alarm System | Data Network |
| Minimal Emergency Lighting | CATV |
| Intercom / Program System | VOIP Telephone System |
| Atomic Clocks | Video Surveillance |

**Architectural Area:** 118,450 SF

**PDE Replacement Value:** $20,189,589 ( 917 FTE x 123 sf = 112,791 x $179 / sf = replacement cost )
$4,037,918 ( 20% Rule )

**PDE Total Capacity:** 917

**Current Enrollment:** 727 Students

# PHOTOGRAPHS

## Lehighton Area Middle School













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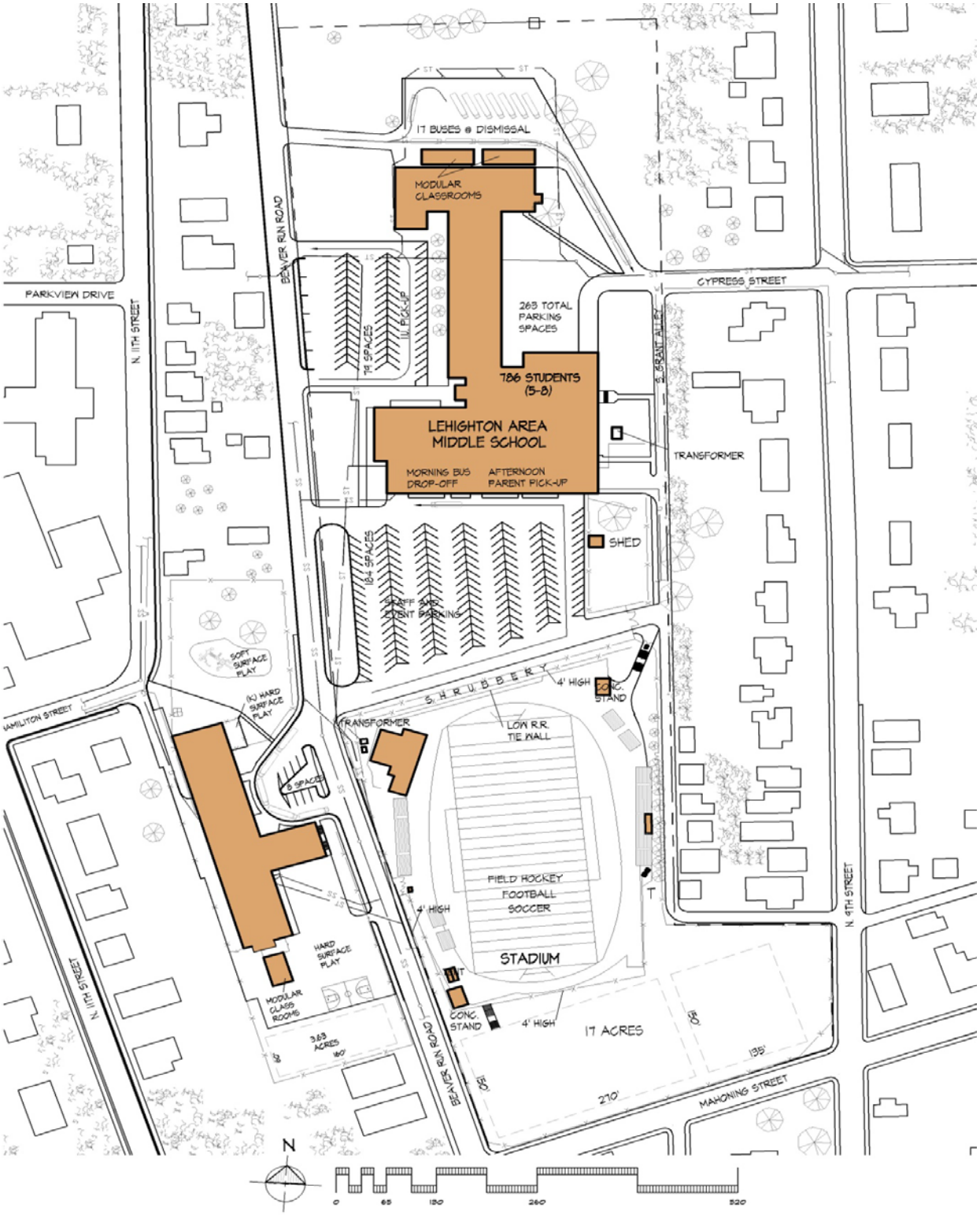

## AERIAL VIEW

### Lehighton Area Middle School and Stadium



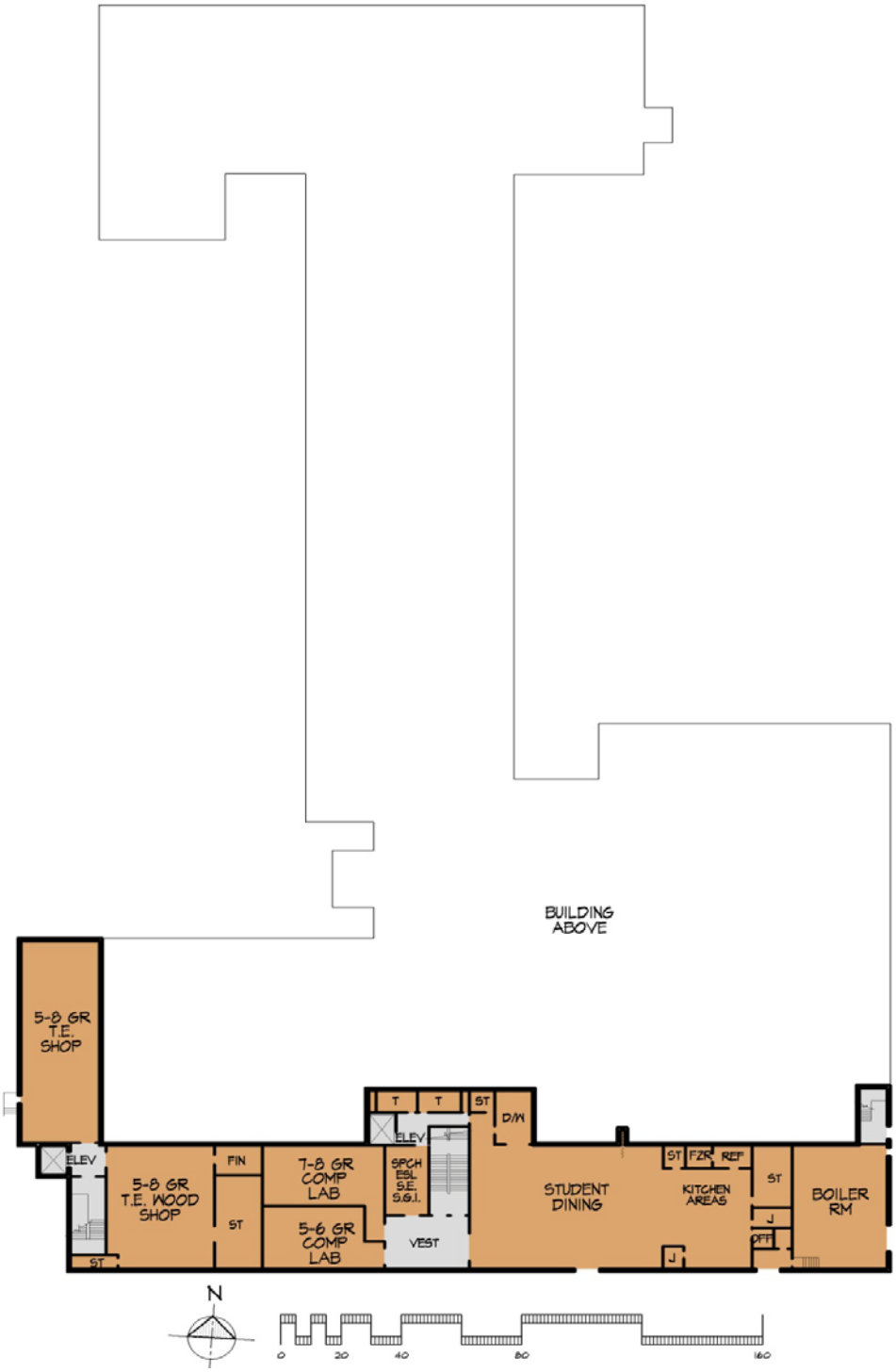
# EXISTING SITE PLAN

## Lehighton Area Middle School and Stadium



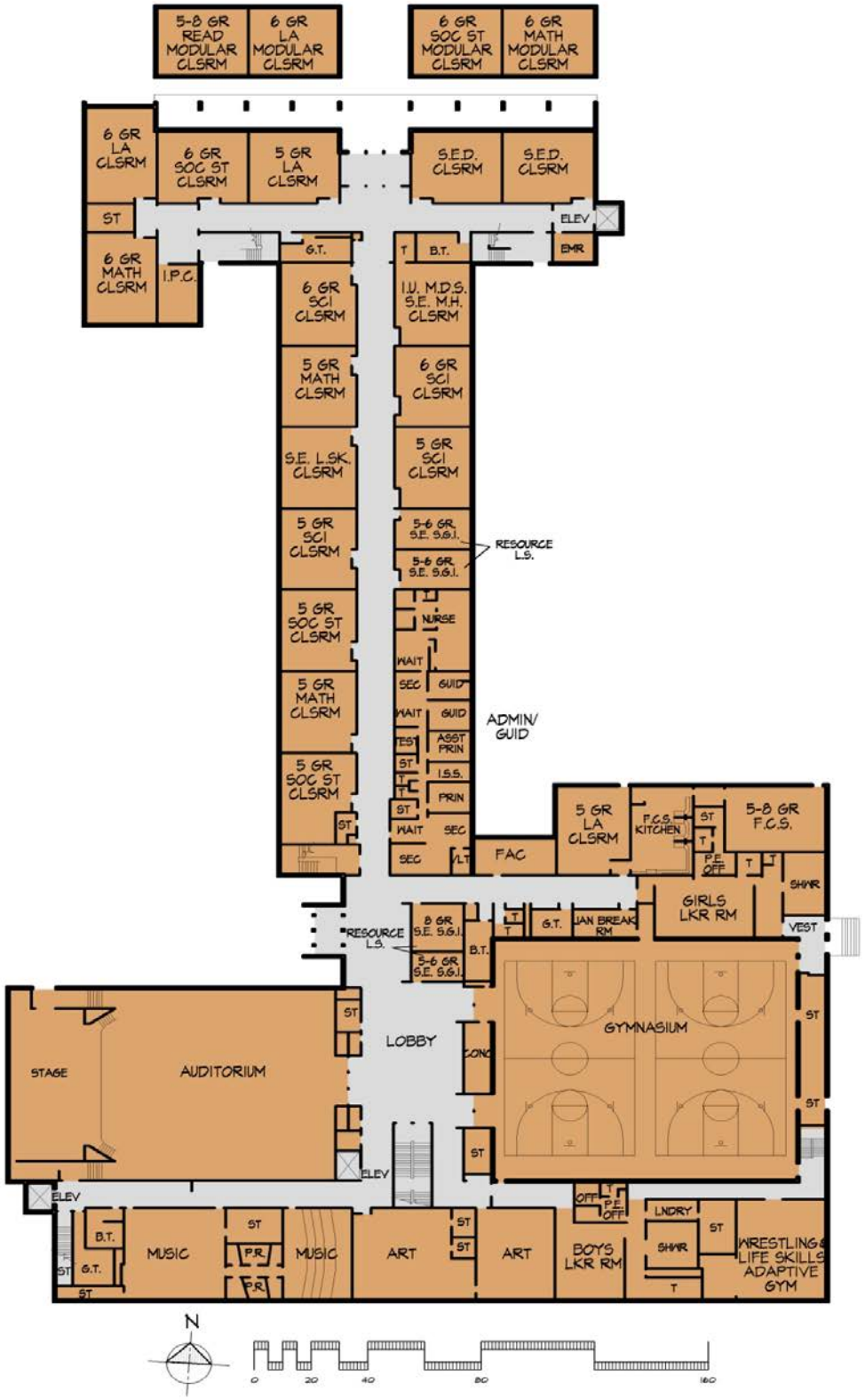
# EXISTING GROUND FLOOR PLAN

## Lehighton Area Middle School



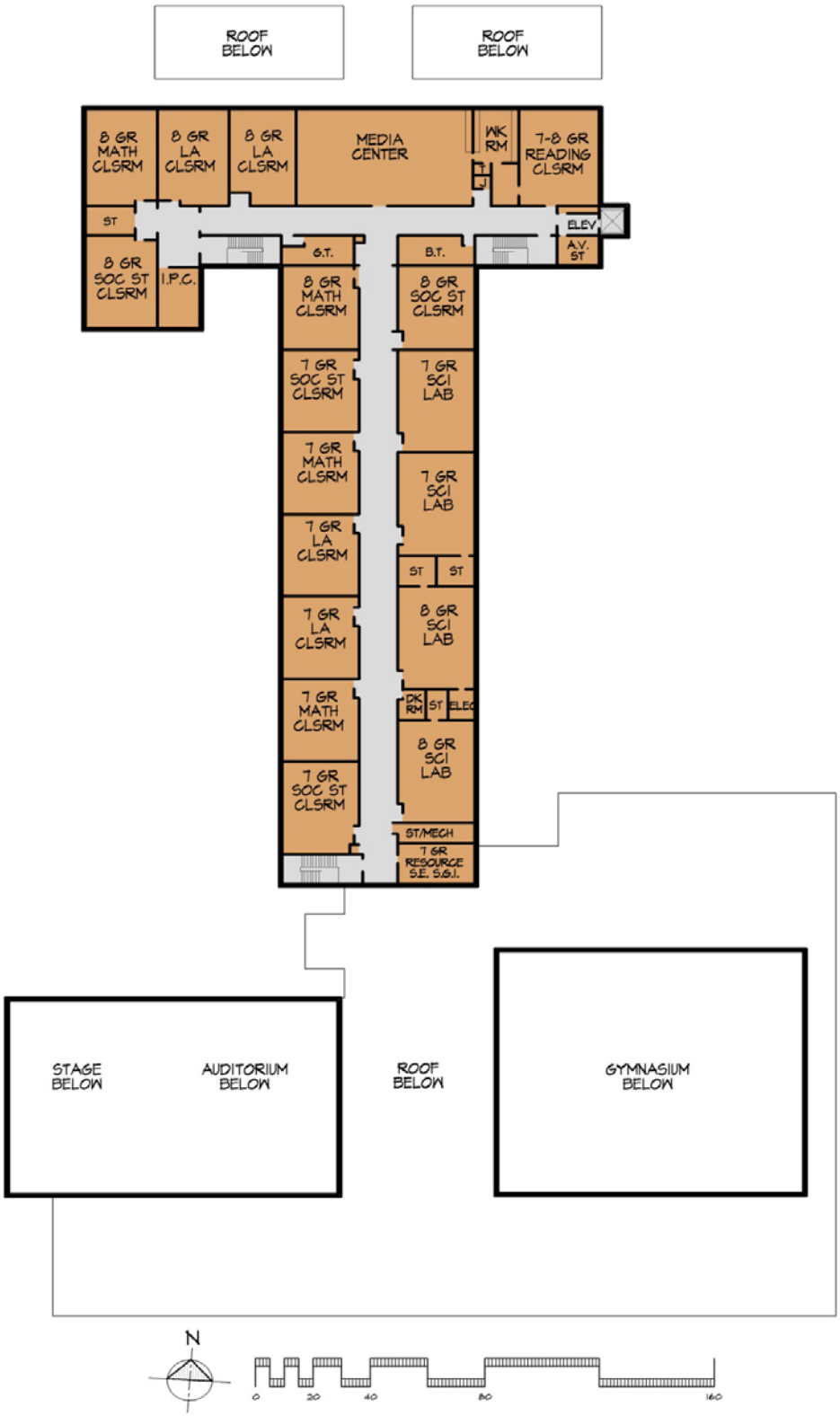
## EXISTING FIRST FLOOR PLAN

### Lehighton Area Middle School




## EXISTING SECOND FLOOR PLAN

## Lehighton Area Middle School



# EXISTING 5-8 ROOM SCHEDULE

## Lehighton Area Middle School

| Educational Space | No. | Area | Total | Dist. FTE | PDE FTE |
|---|---|---|---|---|---|
| Fifth Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 |
| Sixth Grade Reg Clsrm 660+ SF | 3 | 860 | 2,580 | 75 | 75 |
| Seventh Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 |
| Eighth Grade Reg Clsrm 660+ SF | 6 | 860 | 5,160 | 150 | 150 |
| Reg Clsrm 660+ SF | 1 | 1,050 | 1,050 | 25 | 25 |
| Modular Clsrm | 4 | 3 Sixth Gr Clsrm & 1 Reg Clsrm | | | |
| Special Education Clsrm. | 3 | 860 | 2,580 | | |
| I.U. / S.E. Clsrm | 1 | 840 | 840 | | |
| Spec. Educ. Seminar / S.G.I. | 6 | 350 | 2,100 | | |
| Media Center | 1 | 2,260 | 2,260 | | |
| T.V. Studio | | | 0 | 0 | 0 |
| S.G.I. / Student Activity | | | 0 | | |
| Large Group Instruction | | | 0 | | |
| Science Classroom | 4 | 840 | 3,360 | 100 | 100 |
| Science Lab | 4 | 1,120 | 4,480 | 80 | 80 |
| Sci Proj Rm / Greenhouse | | | 0 | | |
| Business / Computer Lab | | | 0 | 0 | 0 |
| Computer Lab | 2 | 890 | 1,780 | 40 | 40 |
| Art Classroom | 2 | 1,155 | 2,310 | 40 | 40 |
| Music Classroom | 1 | 850 | 850 | 25 | 25 |
| Band / Orchestra / Choral | 1 | 1,250 | 1,250 | 25 | 25 |
| Family & Consumer Science | 1 | 1,700 | 1,700 | 20 | 20 |
| TE Shop | 2 | 2,130 | 4,260 | 40 | 40 |
| Gymnasium 6500+ SF | 1 | 10,620 | 10,620 | 99 | 99 |
| Auxiliary Gymnasium 2500+ SF | | | 0 | 0 | 0 |
| Adaptive Gym / Wrestling 1000+ SF | 1 | 1,415 | 1,415 | | |
| Locker Room / Team Room | 2 | 1,445 | 2,890 | | |
| Wrestling / Weight Rm | | | 0 | | |
| Training Room / Whirlpool | | | 0 | | |
| Officials / P.E. Office | 3 | 190 | 570 | | |
| Stage / Platform | 1 | 1,600 | 1,600 | | |
| Auditorium | 1 | 6,430 | 6,430 | | |
| Student Dining | 1 | 2,900 | 2,900 | | |
| Kitchen Areas | 1 | 1,930 | 1,930 | | |
| Administration / Guidance | 1 | 2,140 | 2,140 | | |
| Health Suite | 1 | 830 | 830 | | |
| Faculty Dining / Workroom | 1 | 400 | 400 | | |
| I.P.C. / Office | 2 | 320 | 640 | | |
| FUNCTIONAL CAPACITY | | | | 815 | 917 |
| TOTAL CAPACITY | | | | 815 | 917 |
| SPEC. EDUC. CAPACITY | | | | 50 | 125 |
| SCHEDULED AREA | | | 61,185 | | |
| ARCHITECTURAL AREA | | | 118,450 | | |

P.D.E. Capacity & District Capacity = 90% Utilization Factor. District S.E. Capacity = 10 students per classroom.

Secondary Functional Capacity and Total Capacity includes all spaces that receive capacity. Special Education Capacity is not included in the Functional Capacity or Total Capacity. The area of existing spaces may be an average of the respective spaces.

# SUMMARY: SITE IMPROVEMENTS

## Lehighton Area Middle School

The Lehighton Area Middle School is located along Beaver Run Road in the Borough of Lehighton, Carbon County. The site contains the existing Elementary School, paved parking facilities as well as the football stadium for the High School team. The building is served by a public sanitary sewer system.

The site has good bus and parent drop-off separation. In the mornings, buses drop-off in the southern parking lot while parents can drop-off in the main central parking lot. In the evenings, parents can again use the central parking lot while buses utilize the northern most driveway. The pavement on all the parking lots and driveways is in poor condition. It is our understanding that the pavement was placed on poor sub-base; therefore, it is likely that an entire new pavement structure will be needed, including stone sub-base. In the northern paved lot by the modular classrooms, a couple of storm sewer inlets exist. However, it was evident that stormwater run-off ponds on the western edge of this paved area and may not reach the inlets. The drainage in this northern area should be evaluated. In the southern parking lot, all run-off flows southerly directly towards the embankment on the north side of the football stadium. There is no curbing or storm sewer structures to divert and capture run-off prior to flowing over the bank into the football stadium.

**Recommendations:**
The pavement in all the parking lots and driveways is in need of repair. The pavement should be completely reconstructed including the stone sub-base. Stormwater drainage should be evaluated in the northern paved area by the modular classrooms. The fence and railroad tie retaining wall on the north side of the football field should be replaced. The School District should consider upgrading the steps at the southern end of the field which provide access to the lower level practice field. They should also consider installing a gate at the top of the steps. The condition of the football field should be reviewed and the need to regrade and reseed the field evaluated.

## SUMMARY BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

**Lehighton Area Middle School**

| | | Cost per SF |
|---|---|---|
| **SITE EVALUATION** | **$500,000.00** | **$4.22 SF** |
| **EXTERIOR EVALUATION** | **$83,500.00** | **$0.70 SF** |
| **INTERIOR EVALUATION** | **$2,021,000.00** | **$17.06 SF** |
| **HEATING / VENTILATION EVALUATION** | **$5,030,000.00** | **$42.47 SF** |
| **PLUMBING EVALUATION** | **$805,000.00** | **$6.80 SF** |
| **ELECTRICAL EVALUATION** | **$2,237,000.00** | **$18.89 SF** |
| **CODE EVALUATION** | **$1,199,500.00** | **$10.13 SF** |
| **SUBTOTAL** | **$11,876,000.00** | **$100.26 SF** |
| **EDUCATIONAL UPGRADES** | **$595,000.00** | **$5.02 SF** |
| **AIR CONDITIONING (included in above)** | | |
| **TOTAL BUILDING* (RANK 1, 2, 3, TOTAL COST)** | **$12,471,000.00** | **$105.28 SF** |
| **RANK 1 TOTAL COST - REQUIRED** | **$11,948,500.00** | **$100.87 SF** |
| **RANK 2 TOTAL COST - RECOMMENDED** | **$501,000.00** | **$4.23 SF** |
| **RANK 3 TOTAL COST - OPTIONAL** | **$21,500.00** | **$0.18 SF** |

* For the purpose of this Study, a baseline has been established and no design contingency has been utilized. More precise costs can be developed as the District develops specific educational specifications and chooses its desired option.

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Lehighton Area Middle School

| | | Rank | Cost |
|---|---|---|---|
| 1. | **Site Evaluation:** | | |
| a. | The paved drives and upper lot area on the north side of the School are showing signs of deterioration. Reconstruct drives and parking areas. | **1** | $105,000.00 |
| b. | The paved drives and parking area on the west side of the School are showing signs of deterioration. Reconstruct drives and parking areas. | **1** | $105,000.00 |
| c | The paved drives and parking area (lower lot) on the south side of the School are showing signs of deterioration. Reconstruct drives and parking areas. | **1** | $240,000.00 |
| d. | There is limited site lighting in the parking area on the north side of the school. Install site lighting fixtures at parking and drives to meet current standards. | **1** | See 6.d. |
| e. | There is limited site lighting in the parking area on the west side of the School. Install site lighting fixtures at parking and drives to meet current standards. | **1** | See 6.d. |
| f. | The site lighting at the south (lower) parking lot is dim and too dark for cameras to be used. Install site lighting fixtures at parking and drives to meet current standards. | **1** | See 6.d. |
| g. | Stormwater run-off ponds in the western edge of the north lot. It may not reach the inlets. Evaluate drainage in the north lot and provide regrading and/or additional storm structures for stormwater redirection. | **1** | $20,000.00 |
| h. | The south parking area has no curbing or storm sewer structures to prevent water run-off onto the northern part of the football stadium. Provide curbs and sewer structures to capture water run-off. | **2** | $30,000.00 |
| | **Total Site Evaluation Cost:** | | **$500,000.00** |

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Lehighton Area Middle School

| | | Rank | Cost |
|---|---|---|---|
| 2. | **Exterior of Building Evaluation:** | | |
| a. | Paint exterior lintels at windows and doors, which are showing signs of rust and deterioration. | **3** | $10,000.00 |
| b. | Replace existing, single-pane sidelights at the Main Entrance with new insulated glazing storefront units. | **2** | $7,500.00 |
| c. | Remove and replace masonry control joint expansion material, which show signs of deterioration. | **2** | $4,000.00 |
| d. | Remove and replace the deteriorated sealant at EIFS infill below the windows. | **2** | $5,000.00 |
| e. | Remove and replace deteriorated brick masonry at select areas of the exterior of the building. | **2** | $5,000.00 |
| f. | Remove and reshingle modular Classroom roofs and replace gutters, which are showing signs of deterioration. | **3** | $6,000.00 |
| g. | Replace EIFS infill and window / door head and sill flashing at the windows and louvers at Area B Classrooms and Faculty Lounge, which are showing signs of deterioration and water damage. | **2** | $2,500.00 |
| h. | Replace the cracked and deteriorated concrete retaining wall and fencing at the Boiler Room entrance. | **2** | $30,000.00 |
| i. | Replace the spalling and deteriorated exterior concrete stairs at the Gymnasium. | **1** | $10,000.00 |
| j. | Replace the damaged exterior metal louvers. | **1** | $3,500.00 |
| | **Total Exterior of Building Evaluation Cost** | | **$83,500.00** |

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Lehighton Area Middle School

| | | Rank | Cost |
|---|---|---|---|
| 3. | **Interior of Building Evaluation:** | | |
| a. | Replace all of the door hardware, which is all showing signs of deterioration and use. | **1** | $75,000.00 |
| b. | The acoustic ceilings throughout the facility are showing signs of deterioration, and should be replaced. | **1** | $385,000.00 |
| c. | The walls throughout the facility have areas in need of repair, and should be patched and the walls painted. | **1** | $145,000.00 |
| d. | Replace the existing Kitchen Freezer and Kitchen equipment. | **1** | $450,000.00 |
| e. | Replace the damaged and unlevel wood flooring at the Wood Shop area. | **1** | $12,000.00 |
| f. | The VCT flooring throughout the building shows wear and deterioration, and should be replaced. | **1** | $280,000.00 |
| g. | Replace the worn cabinets in the Faculty Dining area. | **2** | $5,000.00 |
| h. | Replace rigging and curtains on Stage, which is showing signs of wear. | **2** | $45,000.00 |
| i. | Repair and refinish worn and damaged wood flooring at Stage. | **2** | $12,000.00 |
| j. | Replace carpet in Administration, Computer, Music and Band room areas. | **1** | $10,000.00 |
| k. | Replace acoustic panels in Music and Band room areas. | **2** | $15,000.00 |
| l. | Replace the worn and damaged cabinets and equipment in both Art Classrooms. | **1** | $15,000.00 |
| m. | The markerboards in Classrooms are worn and damaged and should be replaced. | **1** | $50,000.00 |
| n. | Replace the worn and damaged bleachers in the Gymnasium. | **1** | Completed |
| o. | Replace the basketball pulley system in the Gymnasium. | **1** | Completed |

### Lehighton Area Middle School

| | | Rank | Cost |
|---|---|---|---|
| p. | Remove the existing partition in the Gymnasium and replace with drop-curtain divider. | **2** | $10,000.00 |
| q. | Replace the worn cabinets in the Family Consumer Science area. | **1** | $12,000.00 |
| r. | Replace worn and damaged Science Lab Casework. | **1** | $500,000.00 |
| | **Total Interior of Building Evaluation Cost** | | **$2,021,000.00** |

4. **Heating, Ventilation, and Air Conditioning Evaluation:**

| | | | |
|---|---|---|---|
| a. | The boilers are around 46 years old. The expected service life of cast iron boilers is listed in ASHRAE at 35 years. These boilers need to be replaced. | **1** | $200,000.00 |
| b. | Many of the valves in the building are original and no longer function. These valves should be replaced or additional valves should be added to allow the system to be serviced without effecting the entire school. | **1** | $100,000.00 |
| c. | The hot water heating loop pumps are in poor condition and need to be replaced. | **1** | $50,000.00 |
| d. | It was noted that there is some damaged insulation on the piping systems as well as the boiler flue system. This insulation should be repaired to protect against burns and to increase the system efficiencies. | **1** | $30,000.00 |
| e. | The piping system in the building is generally in poor condition and in need of replacement. | **1** | $650,000.00 |
| f. | The classroom unit ventilators are mainly original and in poor condition. The units in the cafeteria pull hot air off the macadam and make the space quite uncomfortable. These units all are in need of replacement. | **1** | $1,800,000.00 |
| g. | The existing air conditioning units are 16 years old and are nearing the end of their typical expected life span. These units should be replaced. | **1** | $200,000.00 |

## Lehighton Area Middle School

| | | Rank | Cost |
|---|---|---|---|
| h. | Building wide air conditioning should be considered. | **1** | $1,200,000.00 |
| i. | Exhaust systems in the toilet rooms do not appear to comply with current standards. These systems should be upgraded. | **1** | $100,000.00 |
| j. | There are many temperature control issues in the facility which should be addressed. The system in place has had multiple failures and difficulties. We recommend installing new controls in the facility that would include some energy saving functions. | **1** | $500,000.00 |
| k. | The kitchen hood system is in need of replacement. | **1** | $50,000.00 |
| l. | The heating system for the Auditorium is not adequate and is in need of total upgrade. | **1** | $100,000.00 |
| m. | The Wood Shop is experiencing some humidity related issues. The system serving this area should be upgraded. | **1** | $50,000.00 |
| | **Total HVAC Evaluation Cost** | | **$5,030,000.00** |

5. **Plumbing Evaluation:**

| | | | |
|---|---|---|---|
| a. | The plumbing piping systems are in poor condition and in need of replacement. There have been issues related to pin holes in the copper, drain failures, and general maintenance issues with leaks. | **1** | $480,000.00 |
| b. | The domestic hot water system is in poor condition and should be replaced. This includes the mixing valves and the recirculation system. In addition, hot water storage should be added. | **1** | $75,000.00 |
| c. | The plumbing fixtures, faucets, and flush valves were generally found to be in fair condition but should be replaced due to age. | **1** | $250,000.00 |
| | **Total Plumbing Evaluation Cost** | | **$805,000.00** |

## Lehighton Area Middle School

| | Rank | Cost |
|---|---|---|
| 6. **Electrical Evaluation:** | | |
| a. The electric service enters the building from a utility owned, pad mounted transformer. The service feeds a 120/208 volt, 2500 switchboard, manufactured by Square D. A 1200 amp Westinghouse panelboard was added in 1991 to feed the new addition. Most equipment is over 46 years old and would not be large enough to support Air Conditioning. Replacement is recommended and required for the installation of Air Conditioning. | **1** | $425,000.00 |
| b. The panelboards throughout the building are circuit breaker panelboards, most manufactured by Square D or Westinghouse. The panelboards installed in the 1992 renovation are in good condition but some panelboards are over 46 years old. The panelboards are generally filled to capacity, making it difficult to add circuits. Replacement is recommended for the older panelboards and additional added. | **1** | $142,000.00 |
| c. General classroom lighting consists of retrofitted T8 fluorescent fixtures. Replace lighting to meet the watts per square foot requirements of the International Energy Code and foot-candle requirements of the Department of Education. | **1** | $410,000.00 |
| d. The exterior building lighting and parking lot lighting is minimal. Provide security lighting around the building and lighting for the parking lots. | **1** | $120,000.00 |
| e. The emergency power consists of a propane emergency generator. The generator is 15kw, 120/208 volt, 3 phase installed by the gymnasium. There is 1 automatic transfer switch and an area protection panel. Replacement of the emergency generator and emergency distribution is recommended. | **1** | $90,000.00 |

## Lehighton Area Middle School

| | | Rank | Cost |
|---|---|---|---|
| f. | Typical classrooms have minimal receptacles and circuits. In some classrooms, receptacles were added but were connected to existing circuits causing circuiting issues.<br>It is recommended that additional receptacles and associated circuits be added in classrooms. Receptacles connected to panelboards with integral surge protection should be added for computer circuits. | **1** | $600,000.00 |
| g. | The main intercom/program systems was upgraded in 1992 but the master clock system was not. Atomic clocks are used throughout the facility.<br>Upgrade the existing program system to meet the needs of the facility and provide a master clock system. | **1** | $160,000.00 |
| h. | There are minimal data drops in the classrooms and other areas.<br>Provide additional data drops for the classrooms. | **1** | See 8.a. |
| i. | The gymnasium local sound system equipment rack was replaced in 1991 but the speakers were not replaced.<br>Provide speakers for the gymnasium local sound system. | **2** | $10,000.00 |
| j. | The cafeteria remote sound system does not meet the needs of the space. Provide a remote sound system for the cafeteria. | **1** | $20,000.00 |
| k. | The auditorium sound system does not meet the needs of the space. Provide a sound system for the auditorium. | **1** | $75,000.00 |
| l. | The auditorium theatrical lighting does not meet the needs of the space. Provide a theatrical lighting system for the auditorium. | **1** | $180,000.00 |
| m. | The kitchen lacks groundfault breakers/receptacles to meet the requirements of the NEC.<br>Provide groundfault breakers/receptacles. | **1** | $5,000.00 |
| n. | The building has some card access doors and a minimal security system.<br>Provide additional card readers and expand security system. | **1** | See 8.b. |

### Lehighton Area Middle School

| | Rank | Cost |
|---|---|---|
| o. The building has 16 exterior cameras and a DVR in the office area. This equipment is outdated. Provide a camera system with DVR for the building. | **1** | See 8.b. |
| **Total Electrical Evaluation Cost** | | **$2,237,000.00** |

7. **Code Evaluation:**

"The IBC 2006, Americans with Disabilities Act, and recommendations by the Department of Education require all buildings, during the renovation process, to be updated to meet current standards and codes. The following building system will need to be updated during the renovation process in order to meet current standards and codes."

The following items may be required depending on the level of work completed.

| | | |
|---|---|---|
| a. Replace all existing, non-compliant doors due to egress requirements and/or required ADA clearances. | **1** | $25,000.00 |

Replace the exterior stair doors which do not meet current code and egress requirements.

The exterior Classroom and Faculty Lounge doors are 30" wide with a 6" high concrete pad, and do not meet current code standards.
Replace door and frame with 36" wide door unit, and provide a sloped concrete access pad from the adjacent parking area.

Replace the exterior lower Lobby doors which do not meet current egress requirements.

Replace the locker room doors which do not meet current code and egress requirements.

Replace the wrestling room doors which do not meet current code and egress requirements.

## Lehighton Area Middle School

| | | Rank | Cost |
|---|---|---|---|
| | Modify and replace the doors at the Band room entrance, which lack the proper ADA clearance.<br><br>Modify and replace the doors at the Music room entrance, which lack the proper ADA clearance.<br><br>Modify and replace the door at the Art room entrance, which lacks the proper ADA clearance.<br><br>The Wood Shop, Computer Lab and Conference Room have pairs of 30" wide doors that do not meet code. Replace with code compliant doors. | | |
| b. | The Finish Room in the shop area does not meet current codes and should be upgraded to 2-hour construction. | **1** | $4,000.00 |
| c. | The exterior egress at the Stage has a 6" high concrete ramp from the sidewalk, without railing. Install new hand railing on both sides at existing ramp. | **1** | $2,500.00 |
| d. | Remove and replace the existing modular Classroom ramps and railings, which do not meet current code standards. | **3** | $4,500.00 |
| e. | Replace the existing modular Classroom door hardware which does not meet current code standards. | **3** | $1,000.00 |
| f. | Replace the stair handrails at the exterior concrete stairs which do not meet current code standards. | **1** | $7,500.00 |
| g. | Replace the hardware on exterior doors, which does not meet current ADA standards. | **1** | $11,000.00 |
| h. | The exterior egress at the Cafeteria has a 6" high concrete pad. Remove and install new sloped concrete access pad from the adjacent parking area. | **1** | $5,000.00 |
| i. | Replace the railings on the main stair from the first floor Lobby to the lower level which do not meet current code standards. | **1** | $10,000.00 |
| j. | Remove the chair-lift in the main stair from the first floor Lobby to the lower level, which interferes with egress. | **1** | $5,000.00 |

## BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

### Lehighton Area Middle School

| | | Rank | Cost |
|---|---|---|---|
| k. | Renovate the Kitchen Locker and Toilet areas to meet current ADA requirements | **1** | $15,000.00 |
| l. | Install ADA accessible circulation desk at Library. | **1** | $12,000.00 |
| m. | Install ADA accessible reception counters at Administration and Guidance areas. | **1** | $15,000.00 |
| n. | Provide ADA student lab stations in Science Labs. | **1** | See 3.r. |
| o. | Existing Corridor gate at Art Room does not meet current egress codes and should be removed. | **1** | $1,000.00 |
| p. | The fire gate located at the recent classroom addition creates a dead-end corridor and should be removed. | **1** | $1,000.00 |
| q. | Provide 5% ADA seating areas at Auditorium, which are currently not included in the seating arrangement. | **1** | $1,000.00 |
| r. | Provide ADA access to the Stage, which is currently not present from the Auditorium. | **1** | $35,000.00 |
| s. | The plumbing fixtures throughout the facility do not comply with the current ADA requirements for accessibility. | **1** | See 5.c. |
| t | The Administration, Health, and Faculty toilet rooms are not ADA accessible and should be modified to meet current ADA standards. | **1** | $60,000.00 |
| u. | Modify and install ADA shower in locker rooms. | **1** | $10,000.00 |
| v. | Modify and install ADA lockers and bench in locker rooms. | **1** | $7,500.00 |
| w. | Install ADA sinks in Locker rooms, Faculty room, Family Consumer Science rooms, Nurse's Exam room, Library work room, and in Classrooms with sinks. | **1** | $9,000.00 |
| x. | Install vertical grab bars in all ADA toilets, as per the ANSI 2003 code. | **1** | $5,000.00 |

## BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

### Lehighton Area Middle School

| | | Rank | Cost |
|---|---|---|---|
| y. | Modify and install ADA accessible toilet in Library work room. | **1** | $20,000.00 |
| z. | Modify and install ADA accessible sink assemblies in Science Labs. | **1** | See 3.r. |
| aa. | Provide eye wash and emergency shower in Chemistry Lab. | **1** | See 3.r. |
| bb. | Modify the roof access ladder to provide required railing extensions. | **1** | $2,500.00 |
| cc. | Remove elevated instruction riser in Science Lab, which does not permit ADA accessibility. | **1** | $3,000.00 |
| dd. | Replace display cabinet glass with safety glass | **1** | $2,000.00 |
| ee. | The outdoor air ventilation rates for the classrooms do not comply with current standards. If a system replacement were to occur, the ventilation air should be adjusted to meet the current standards. There were several rooms being used as classroom spaces that do not have any fresh air ventilation. | **1** | See 4.f. |
| ff. | The building is not fully sprinklered, and the corridors are currently not rated. The building should be fully sprinkled to meet current codes. | **1** | $530,000.00 |
| gg. | There are several code related issues in the Boiler Room that need to be addressed including pipes over panels and combustion air issues. | **1** | $10,000.00 |
| hh. | The public water service does not have the code required backflow prevention installed. | **1** | $15,000.00 |
| ii. | The building lacks emergency lighting that meets current codes and the emergency lighting required at every exterior door. Provide additional emergency lighting required by current codes. | **1** | $120,000.00 |
| jj. | Provide occupancy sensors or lighting control panels to meet the requirements of the International Energy Code. | **2** | $60,000.00 |
| kk. | The existing fire alarm system lacks audio-visual devices in many areas required by code. Replacement of the system to meet all codes is recommended. | **2** | $190,000.00 |
| | **Total Code Evaluation Cost** | | **$1,199,500.00** |

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Lehighton Area Middle School

| | | Rank | Cost |
|---|---|---|---|
| 8. | **Educational Upgrades:** | | |
| a. | The District should continue system upgrades, with respect to technology. Plan to: implement networking system (data); upgrades for classrooms to include LCD projectors, enhanced sound system, and wireless mics; provide adequate electrical and telephone (Voice over IP) upgrades; provide other technology (Video) equipment; and provide necessary software and related supplies. (Voice system is being upgraded by District and not included.) | **1** | $400,000.00 |
| b. | Provide a security system of motion detectors and cameras located at strategic points in the corridor areas, and door alarms on all existing exits. Provide all cables, termination devices, and terminal equipment required to construct a complete expanded system for day/occupied security system. | **1** | $125,000.00 |
| c. | Acoustics are poor in Cafeteria and Gymnasium. Install additional acoustical treatment. | **2** | $45,000.00 |
| d. | Provide directional signage, both for the site and building interior. | **2** | $15,000.00 |
| e. | Improve acoustics in Music rooms. | **2** | $10,000.00 |
| | **Total Educational Upgrades Cost** | | **$595,000.00** |
| | **Total Building Cost** | | **$12,471,000.00** |
| | **RANK 1 TOTAL COST** | | **$11,948,500.00** |
| | **RANK 2 TOTAL COST** | | **$501,000.00** |
| | **RANK 3 TOTAL COST** | | **$21,500.00** |
| | **RANK 1, 2, 3, TOTAL COST** | | **$12,471,000.00** |

LEHIGHTON
AREA HS

## GENERAL DATA

### Lehighton Area High School

| | |
|---|---|
| **Built:** | 1992 (PlanCon Part G) |
| **Site:** | 91.52 acres (shared with District Administration) |
| **Structure:** | Two-story building with concrete floors; metal roof decks; and masonry walls. Unprotected, non-combustible construction in accordance with current PA Department of Labor and Industry building code (2006 International Building Code - Type 2B). |
| **Heating System:** | Hot water is generated from two cast iron boilers. The boilers are fired with gas. Hot water is distributed to central air handlers, classroom unit ventilators, wall fin heaters, cabinet heaters, and other miscellaneous heating units. |
| **Ventilation Systems:** | Outdoor air is provided through air handlers and unit ventilators. Toilet rooms have exhaust ventilation systems. |
| **Control System:** | Pneumatic control system |
| **Air Conditioning System:** | The school is air conditioned. The system recently had the cooling tower replaced. |
| **Plumbing Services:** | The school is tied to the public water and sewer systems. |
| **Water Heating:** | The domestic hot water is produced by a Lochinvar heater with a related storage tank. This system is operating properly. |
| **Sprinkler System:** | Some areas have limited sprinkler coverage. |
| **Electrical Service:** | 277/480 volt; 3-phase; 2500 amp |
| **Systems:** | Fire Alarm System<br>Minimal Emergency Lighting<br>Intercom / Program System<br>Atomic Clocks<br>Data Network<br>CATV<br>VOIP Telephone System<br>Video Surveillance<br>Access Control |
| **Architectural Area:** | 148,940 SF |
| **PDE Replacement Value:** | $20,497,827 ( 931 FTE x 123 sf = 114,513 x $179 / sf = replacement cost )<br>$4,099,565 ( 20% Rule ) |
| **PDE Total Capacity:** | 931 |
| **Current Enrollment:** | 701 Students |

# PHOTOGRAPHS

## Lehighton Area High School













# PHOTOGRAPHS

## Lehighton Area High School













## PHOTOGRAPHS

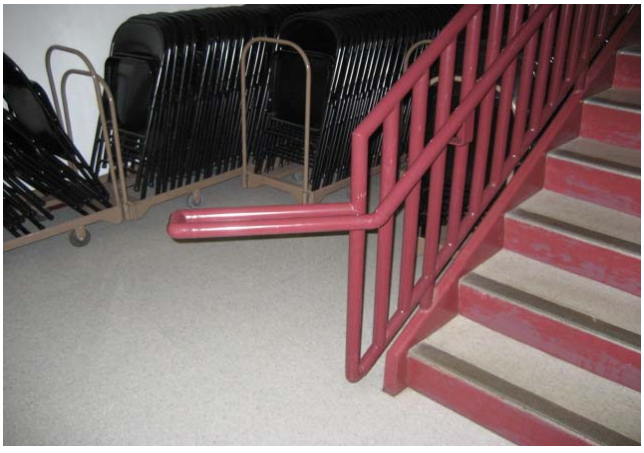
### Lehighton Area High School













# PHOTOGRAPHS

## Lehighton Area High School













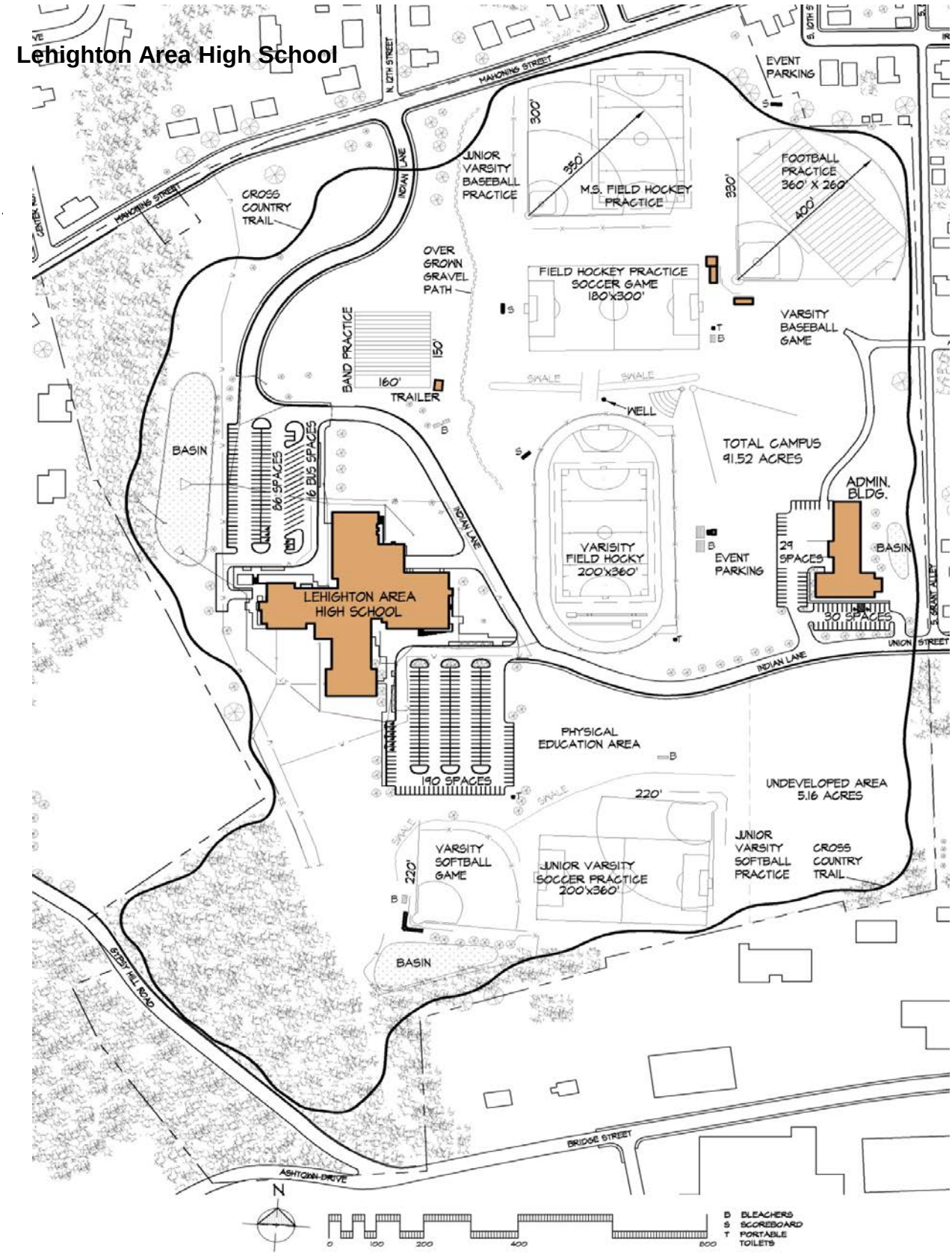

## AERIAL VIEW

### Lehighton Area High School



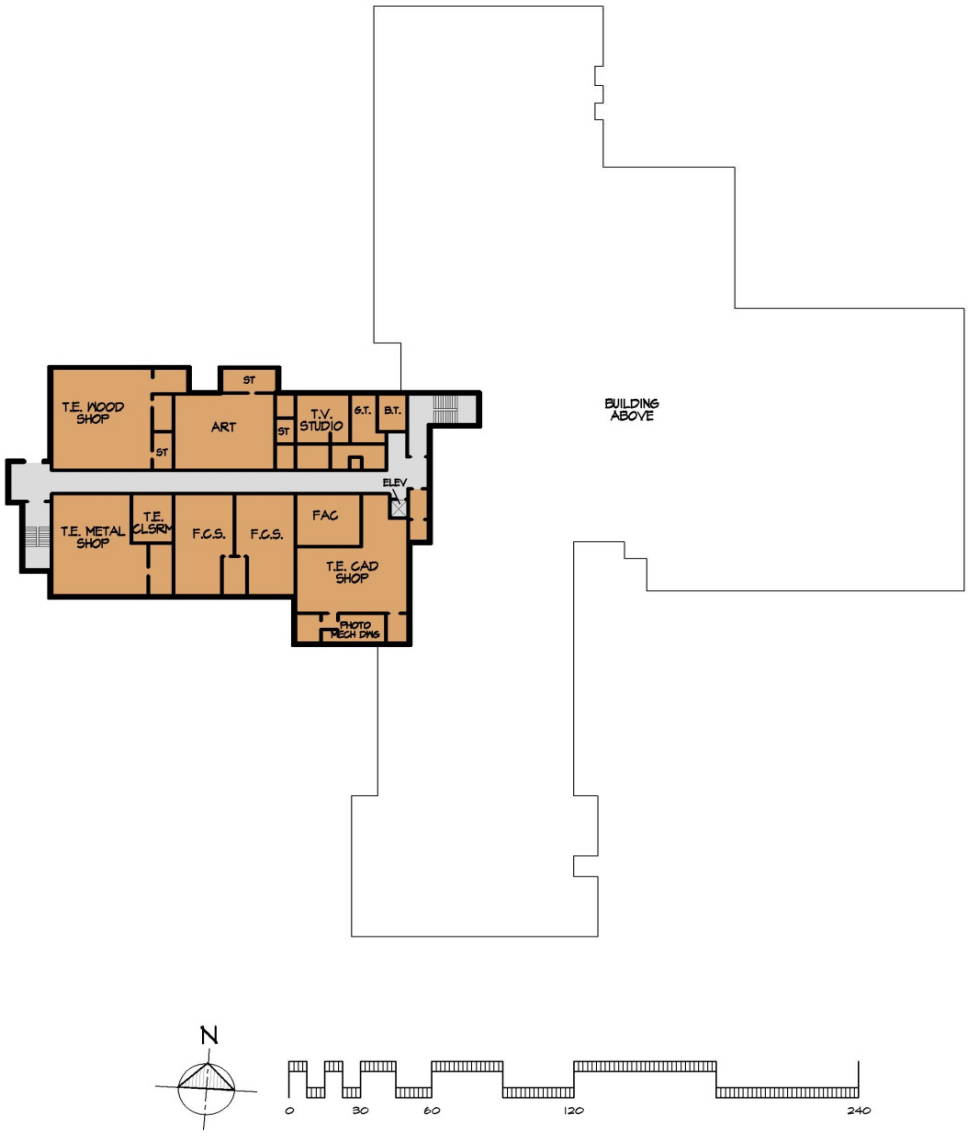
## EXISTING SITE PLAN

**Lehighton Area High School**



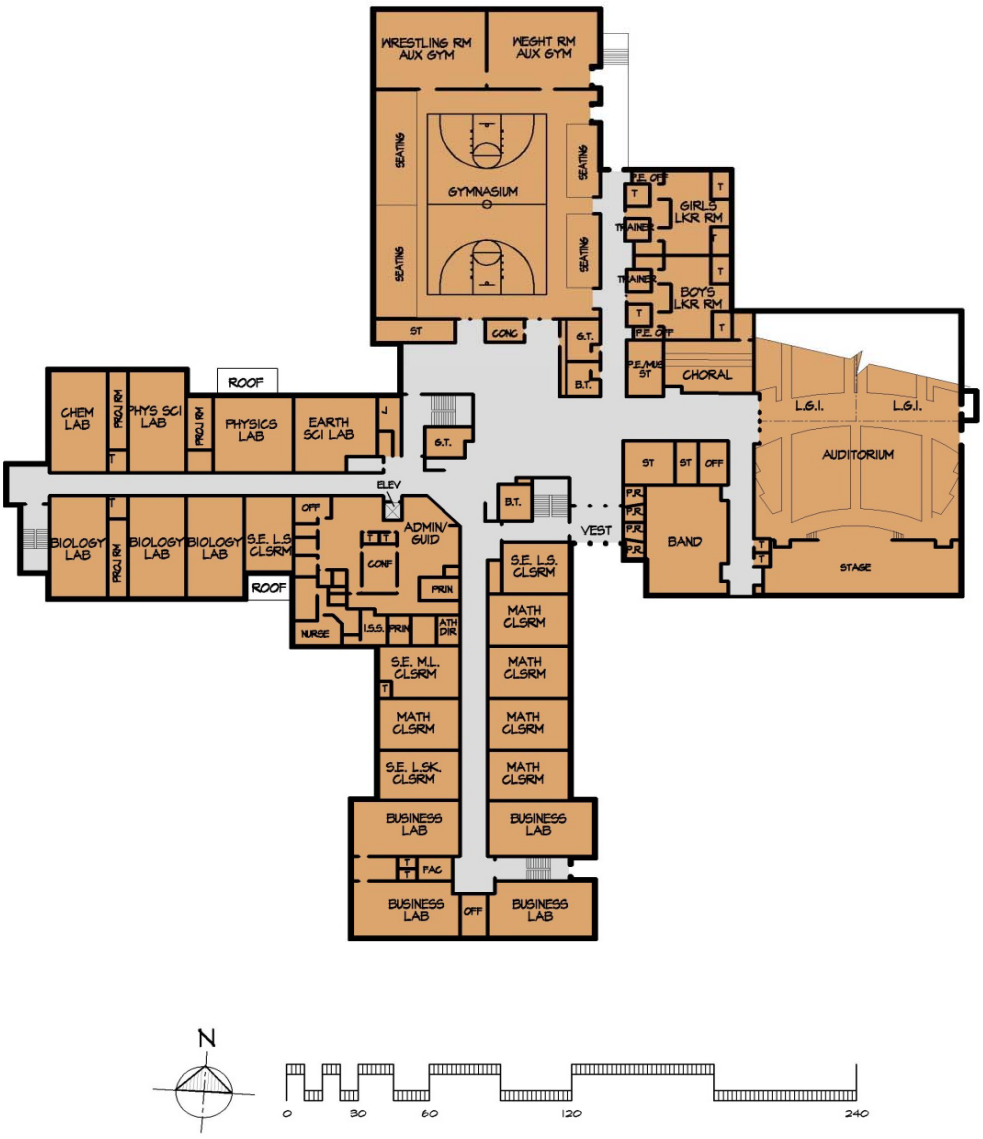
# EXISTING GROUND FLOOR PLAN

## Lehighton Area High School



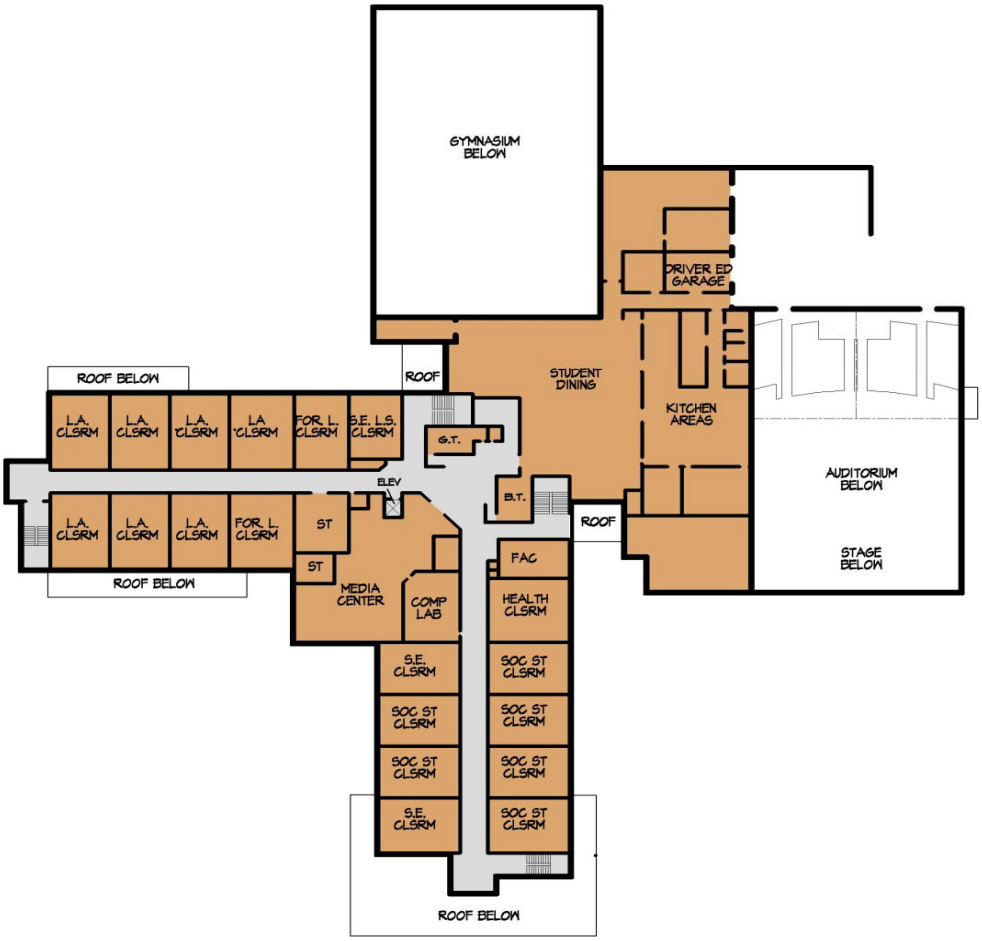
# EXISTING FIRST FLOOR PLAN

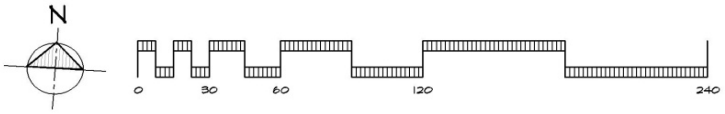
## Lehighton Area High School



# EXISTING SECOND FLOOR PLAN

## Lehighton Area High School



# EXISTING 9-12 ROOM SCHEDULE

## Lehighton Area High School

| Educational Space | No. | Area | Total | Dist. FTE | PDE FTE |
|---|---|---|---|---|---|
| Lang Arts Reg Clsrm 660+ SF | 7 | 830 | 5,810 | 175 | 175 |
| F Lang Reg Clsrm 660+ SF | 2 | 830 | 1,660 | 50 | 50 |
| Math Reg Clsrm 660+ SF | 5 | 780 | 3,900 | 125 | 125 |
| Social Studies Reg Clsrm 660+ SF | 6 | 780 | 4,680 | 150 | 150 |
| Reg Clsrm 660+ SF | 1 | 780 | 780 | 25 | 25 |
| Modular Clsrm | | | | | |
| Special Education Clsrm. | 7 | 735 | 5,145 | | |
| I.U. / S.E. Clsrm | | | 0 | | |
| Spec. Educ. Seminar / S.G.I. | | | 0 | | |
| Media Center | 1 | 2,630 | 2,630 | | |
| T.V. Studio | 1 | 500 | 500 | | |
| S.G.I. / Student Activity | | | 0 | | |
| Large Group Instruction | | | 0 | | |
| Science Classroom | | | 0 | 0 | 0 |
| Science Lab | 7 | 1,100 | 7,700 | 140 | 140 |
| Sci Proj Rm / Greenhouse | 3 | 275 | 825 | | |
| Business / Computer Lab | 4 | 1,100 | 4,400 | 80 | 80 |
| Computer Lab | 1 | 745 | 745 | 20 | 20 |
| Art Classroom | 1 | 1,470 | 1,470 | 20 | 20 |
| Music Classroom | 1 | 850 | 850 | 25 | 25 |
| Band / Orchestra / Choral | 1 | 1,650 | 1,650 | 25 | 25 |
| Family & Consumer Science | 2 | 1,185 | 2,370 | 40 | 40 |
| TE Shop | 3 | 2,415 | 7,245 | 60 | 60 |
| Gymnasium 6500+ SF | 1 | 9,900 | 9,900 | 99 | 99 |
| Auxiliary Gymnasium 2500+ SF | | | 0 | 0 | 0 |
| Adaptive Gym / Wrestling 1000+ SF | 1 | 1,680 | 1,680 | | |
| Locker Room / Team Room | 2 | 870 | 1,740 | | |
| Wrestling / Weight Rm | 1 | 1,650 | 1,650 | | |
| Training Room / Whirlpool | 2 | 100 | 200 | | |
| Officials / P.E. Office | 2 | 70 | 140 | | |
| Stage / Platform | 1 | 1,930 | 1,930 | | |
| Auditorium | 1 | 9,000 | 9,000 | | |
| Student Dining | 1 | 5,100 | 5,100 | | |
| Kitchen Areas | 1 | 4,270 | 4,270 | | |
| Administration / Guidance | 1 | 3,860 | 3,860 | | |
| Health Suite | 1 | 660 | 660 | | |
| Faculty Dining / Workroom | 2 | 575 | 1,150 | | |
| I.P.C. / Office | 3 | 185 | 555 | | |
| FUNCTIONAL CAPACITY | | | | 931 | 931 |
| TOTAL CAPACITY | | | | 931 | 931 |
| SPEC. EDUC. CAPACITY | | | | 70 | 175 |
| SCHEDULED AREA | | | 78,145 | | |
| ARCHITECTURAL AREA | | | 148,940 | | |

P.D.E. Capacity & District Capacity = 90% Utilization Factor. District S.E. Capacity = 10 students per classroom.

Secondary Functional Capacity and Total Capacity includes all spaces that receive capacity. Special Education Capacity is not included in the Functional Capacity or Total Capacity. The area of existing spaces may be an average of the respective spaces.

# SUMMARY: SITE IMPROVEMENTS

## Lehighton Area High School

The Lehighton Area High School is located along Indian Lane in the Borough of Lehighton, Carbon County. Vehicles gain access to the site from both South 9th Street and Mahoning Street (SR 902). The site contains the existing High School, Administration Building, paved parking areas, numerous athletic fields, and several undeveloped open and wooded areas. The building is served by a public sanitary sewer system. There is an existing detention basin which controls run-off from the High School and parking lots as well as a separate detention basin which controls run-off from the Administration Building and parking lot. The High School and supporting parking lots are one elevation on the site. The adjacent softball and soccer fields are terraced on two levels. The Administration Building, along with additional sport fields, are terraced on several levels on the upper part of the site.

Buses will enter and exit off of Mahoning Street, and use the northern parking lot. Staff also utilizes the northern parking lot. Students and parents generally enter off of South 9th Street via Union Street and utilize the southern parking lot. The site contains an Administration Building which has parking and loading areas immediately adjacent to that building. The athletic facilities consist of a track/soccer field; field hockey field; 2 baseball and 2 softball fields, as well as practice fields. There is no parking close to most of these fields. There is a gravel/dirt area between the track and Administration Building which is used for parking during events. Due to the configuration and layout of the fields, and due to topography, pedestrian access and viewing areas around the fields are limited. All of the fields are terraced due to the topography of the land, so there is little room around the fields for bleachers, etc. The southwest corner of the track is located very close to the main access road and there is a significant elevation difference between the road and the track (approximately 12 feet).

### Recommendations

Pavement in all the parking lots are beginning to show signs of deterioration. The pavement should be repaired / replaced. Both varsity game fields lack flag and flag poles; water fountains; and bull pens with foul line fencing to be added / extended. There are no ADA accessible routes for spectator viewing in the lower and upper athletic fields. The varsity soccer field lacks acceptable run off. Fields without acceptable water run off become slippery and are not desirable for play. The game field needs to be recrowned. The track area presently has no power.

# SUMMARY: SITE IMPROVEMENTS

## Lehighton Area High School

### Observations of Playfields

The Study Team walked the site to review and evaluate the fields and related features. The following is a summary of the findings: The athletic fields included at the High School are typical of most public schools. It is common for these fields to reflect the intensity of use and turf stress typically associated with continued use.

**Baseball Fields (Varsity and JV)**

The 2 fields are located adjacent to each other and are positioned on the north end of the High School campus upper athletic area. The varsity field is also used by the community as well as tournament play. The infield is in fair condition due to the off season. The routine maintenance will return the infield to good condition. There have been several upgrades to the facility and its has been well cared for over the years. There are dugouts, fenced outfield, and a scoreboard. The District has located portable bleachers at this field when needed during the season. The outfield fencing is in good condition and provides screening material and top rail protection. The backstop is in good condition and seems adequate for this facility. There are no irrigation facilities on site except for a portable water wheel. There is a small storage room attached to one of the dugouts. There are no restroom facilities at this field except for two portable unit. A flag and flag pole, bull pen, drinking fountain, and foul line fencing are currently not present in the fields. There is a practice football field running across the outfield. The District should relocate this practice field off the baseball field to allow turf recovery. An ADA accessible route should be installed from the parking area to spectator viewing areas and field.

**Softball Fields (Varsity and JV)**

The 2 fields are located adjacent to each other and are positioned on the south end of the High School campus lower athletic area. The varsity field is also used by the community as well as tournament play. There have been several upgrades to the facility and its has been well cared for over the years. There are dugouts, press box/scorekeeping area, fenced outfield, and a scoreboard. The District has located portable bleachers at this field when needed during the season. A flag and flag pole, bull pen, drinking fountain, and foul line fencing are currently not present in the fields. The outfield fencing is in good condition and provides screening material and top rail protection. The backstop is in good condition and seems adequate for this facility. There are no restroom facilities at this field, except for a portable unit near the outfield adjacent to the High School parking lot. An ADA accessible route should be installed from parking area to spectator viewing areas and field.

# SUMMARY: SITE IMPROVEMENTS

## Lehighton Area High School

### Soccer

The game field is located within the track and there are practice fields at several locations on campus. The dimension inside the track is 240 feet, which accommodates a 220 foot wide soccer field. There is no electric power to the field. Currently extension cords are used to provide power from the base of the scoreboard. There is a fence surrounding the field. The one practice field shares ground with the field hockey field just north of the track. The other practice area is adjacent to the JV softball field. The District has located portable bleachers and toilets at this location when needed during the season. The soccer game field has a scoreboard. The unpaved ground east of the soccer game field is used for event parking. The practice soccer/field hockey field needs to be recrowned to eliminate the excessive elevation change.

### Field Hockey

Field hockey is a popular and successful program at the District. The hockey game field is located north of the track and east of the band practice field. The District has located portable bleachers and toilets when needed during the season. The hockey game field has a scoreboard. In addition, field hockey can practice on the field in the outfield of the JV baseball field or on the field adjacent to JV softball.

### Track / Field Events

The 6 lane all-weather track was installed 2004, and is in good condition. The turf field inside the track is in good condition. The design of the track provides 240 feet of width inside to accommodate a soccer field as wide as 220 feet. See comments above under the heading of 'Soccer'.

### Tennis

The tennis team and physical education class use off-site facilities to play tennis approximately one mile from the High School site. The District does not wish to provide any tennis courts on site.

### Golf

The golf team use facilities a various locations off site. The District does propose to install a driving range and putting green on site for team practice.

### Band Practice

The area just across the driveway, north of the gymnasium, is approximately the size of half a football field. This area is used primarily for the marching band practice and field event practice. It is also available for physical education classes.

# SUMMARY: SITE IMPROVEMENTS

## Lehighton Area High School

### Physical Education Classes

The classes can use any of the field areas on campus as well as general open green space. The following program accounts for the current activities of the High School's curriculum and envisions additional activities to be considered for inclusion. These activities attempt to capture the essence of sporting activities in short duration to accommodate the class period and student schedules during the normal course of the day.

Most successful program activities to meet the needs are those that are referred to as wellness/lifetime activities. These are of a nature that varying degrees of difficulty are directly related to and controlled by the participants.

Tennis
Power Walking
Fitness Trail/Course
All Weather Track
Flag/Touch Football
Ultimate Frisbee
Softball
Sand Volleyball
Par 3 Chipping Course

### Cross Country Trail

A cross country trail approximately 1.4 miles long encompasses the perimeter of the High School Campus. The trail is used and enjoyed by the community as well as students.

### General Site Considerations

The current driveways and parking areas are adequate for normal daily operations of both the High School and the District Administration Office. However, parking areas could be improved at baseball fields and soccer/track areas. The pedestrian flow/access to the upper playfield area could be improved from the High School. Currently there is no defined route or pedestrian crossing at the School driveway.

The High School site is adjacent to a residential neighborhood and several streets and alleys form the edge of the Campus. Vehicular access onto the site is a potential negative factor. The District should consider installing a six foot tall chainlink fence along the east edge of the School property. Additional fencing may be required along other edges of the property to also control pedestrian access.

### Well

District installed a well just north of the track. This is the source of water for irrigating the upper fields.

## SUMMARY BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

| | | |
|---|---|---|
| **Lehighton Area High School** | | **148,940 SF** |
| | | **Cost per SF** |
| **SITE EVALUATION** | **$1,040,750.00** | **$6.99 SF** |
| **EXTERIOR EVALUATION** | **$1,442,000.00** | **$9.68 SF** |
| **INTERIOR EVALUATION** | **$491,500.00** | **$3.30 SF** |
| **HEATING / VENTILATION EVALUATION** | **$3,735,000.00** | **$25.08 SF** |
| **PLUMBING EVALUATION** | **$210,000.00** | **$1.41 SF** |
| **ELECTRICAL EVALUATION** | **$1,635,000.00** | **$10.98 SF** |
| **CODE EVALUATION** | **$611,000.00** | **$4.10 SF** |
| **SUBTOTAL** | **$9,165,250.00** | **$61.54 SF** |
| **EDUCATIONAL UPGRADES** | **$730,000.00** | **$4.90 SF** |
| **AIR CONDITIONING (included in above)** | | |
| **TOTAL BUILDING* (RANK 1, 2, 3, TOTAL COST)** | **$9,895,250.00** | **$66.44 SF** |
| **RANK 1 TOTAL COST - REQUIRED** | **$7,427,500.00** | **$49.87 SF** |
| **RANK 2 TOTAL COST - RECOMMENDED** | **$1,608,500.00** | **$10.80 SF** |
| **RANK 3 TOTAL COST - OPTIONAL** | **$859,250.00** | **$5.77 SF** |

* For the purpose of this Study, a baseline has been established and no design contingency has been utilized. More precise costs can be developed as the District develops specific educational specifications and chooses its desired option.

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Lehighton Area High School

| | | Rank | Cost |
|---|---|---|---|
| 1. | **Site Evaluation:** | | |
| a. | The open ground west of the Administration Building is used for event parking. Increase the existing paved Administration parking lot by approximately 95 spaces. | **2** | $165,000.00 |
| b. | Provide additional stormwater detention for above item. | **1** | $100,000.00 |
| c. | The paved drives and parking area on the north side of the school are beginning to show signs of deterioration. Repair drives and parking areas, also install underdrains to alleviate ground water problem. | **1** | $215,000.00 |
| d. | The paved drives and parking area on the south side of the school are beginning to show signs of deterioration. Repair drives and parking areas. | **2** | $180,000.00 |
| e. | Cracks have appeared in concrete sidewalks. Repair sidewalk cracks. | **2** | $10,000.00 |
| f. | Install 8' high fence along S. Grant Alley (840') | **3** | $25,500.00 |
| g. | The varsity baseball game field in the upper campus has no flag or flag pole, bull pens, drinking fountain, foul lines or closure fencing. Install these items. | **3** | $35,000.00 |
| h. | The varsity softball game field in the lower campus has no flag or flag pole, bull pens, drinking fountain, or full length foul line fencing. Install these items and extend foul line fence. | **3** | $37,000.00 |
| i. | The practice softball practice field in the lower campus has limited additional fencing along the southern edge of soccer field. Install fence along southern edge of soccer field. | **3** | $7,300.00 |
| j. | There are no ADA accessible paths to reach spectator viewing areas in the lower athletic fields (varsity softball and soccer practice) from the south HS parking lot. Provide a bituminous path. | **3** | $20,000.00 |
| k. | There are no ADA accessible routes to reach spectator viewing areas in the upper athletic fields from the Administration Building. Provide a bituminous path. | **3** | $35,000.00 |

## Lehighton Area High School

| | | Rank | Cost |
|---|---|---|---|
| l. | At present, no power exists to the track. Furnish track with electric power. | **3** | $2,500.00 |
| m. | Irrigation on lower campus field's site is presently accomplished with a portable water wheel, which is also used on upper fields. Purchase second water wheel for lower fields. (Does not include any additional water supply.) | **3** | $15,000.00 |
| n. | The varsity soccer game field lacks acceptable water run-off. Recrown field. | **3** | $85,950.00 |
| o. | The concrete site lighting bases are shallow in depth and several units show signs of settlement or impact damage. The shifting of the bases has caused electrical shorts and issues for the District. Remove and replace the concrete bases with deeper units to prevent shifting and movement. | **2** | $100,000.00 |
| p. | Site grading at the perimeter of the building is inadequate, with areas of exposed vertical waterproof membrane present. Additional earth and grading should be installed to cover exposed membrane and insure positive drainage from building. | **1** | $7,500.00 |
| | **Total Site Evaluation Cost:** | | **$1,040,750.00** |

2. **Exterior of Building Evaluation:**

| | | | |
|---|---|---|---|
| a. | The flat-roof areas are ballasted EPDM roofing system and leaks are occurring. Remove existing roofing and replace with built-up roofing system. | **1** | $345,000.00 |
| b. | The weep holes at the masonry cavity flashing are blocked, as indicated by water staining at masonry above window and louver heads and below sills. Remove masonry, unblock flashing and weeps, and repair masonry. | **1** | $165,000.00 |
| c. | Repair leaking metal standing seam roofing at Auditorium and Gymnasium. | **1** | $30,000.00 |
| d. | Replace the leaking, vertical translucent window panels. | **1** | $10,000.00 |

## Lehighton Area High School

| | | Rank | Cost |
|---|---|---|---|
| e. | Moisture and water stained masonry is present at Northern faces of the building. Remove staining and waterproof masonry. | **1** | $20,000.00 |
| f. | The roof edge is leaking at the roof dormer areas with water penetrating the exterior cavity wall. Remove and repair roof edge condition. | **1** | $12,000.00 |
| g. | Remove and rebuild the entire masonry screen wall at mechanical equipment area, which is in severe disrepair. | **1** | $60,000.00 |
| h. | New Windows | **1** | $800,000.00 |
| | **Total Exterior of Building Evaluation Cost** | | **$1,442,000.00** |

3. **Interior of Building Evaluation:**

| | | | |
|---|---|---|---|
| a. | Replace the door hardware throughout the building, which is showing signs of age and beginning to fail. | **2** | $120,000.00 |
| b. | Due to the remoteness of the Administration areas, the security cameras should be increased and upgraded. | **2** | $5,000.00 |
| c. | Repair damaged gypsum wallboard at entrance of Special Education Classroom C101. | **2** | $1,000.00 |
| d. | The acoustic ceiling tile in Special Education Classroom is showing signs of deterioration and should be replaced. | **1** | $3,000.00 |
| e. | The fume hood unit in Science Lab does not operate and should be repaired or replaced. | **2** | $1,500.00 |
| f. | The VCT floor finish in the Tech. Ed. Metal shop is worn and deteriorated. The flooring should be removed and replaced with a monolithic resinous flooring. | **2** | $15,000.00 |
| g. | The VCT floor finish in the Tech. Ed. Wood shop is worn and deteriorated. The flooring should be removed and replaced with a monolithic resinous flooring. | **2** | $20,000.00 |

## Lehighton Area High School

| | | Rank | Cost |
|---|---|---|---|
| h. | The VCT floor finish in the Art room is worn and deteriorated. The flooring should be removed and replaced with a monolithic resinous flooring. | **2** | $10,000.00 |
| i. | Replace the cabinets and casework in the Art room , which is worn and deteriorated. | **3** | $40,000.00 |
| j. | The acoustic ceiling tile in Graphics Art is showing signs of deterioration and should be replaced. | **1** | $10,000.00 |
| k. | Replace the carpet in the Sewing Lab, which is worn and | **2** | $9,000.00 |
| l. | Replace the acoustic ceiling tile in Instructional Planning Center and Computer Labs, which shows signs of water damage. | **1** | $8,000.00 |
| m. | Replace the carpet in the Classrooms and Computer Labs, which is worn and deteriorated. | **2** | $95,000.00 |
| n. | The Gymnasium doors are in poor condition and should be replaced. | **3** | $10,000.00 |
| o. | The wood flooring system in the Gymnasium is cupped and gapped. This appears to be caused by high moisture (10% in general room and 20-25% in areas of cupping). The perimeter of the building and cupped subfloor should be investigated for moisture infiltration to determine source of moisture. The moisture problem needs to be resolved before the wood floor can be corrected. | | N/A |
| p. | The Gymnasium bleachers have tracking issues during extension/retraction. The bleachers should be adjusted/repaired after the wood floor system is corrected. | **3** | $10,000.00 |
| q. | The flooring in the Weight Room/Gym storage area is in poor condition and should be replaced. | **2** | $18,000.00 |
| r. | Replace the carpet and VCT in the Chorus room, Band room, and Stage corridor, which is worn and deteriorated. | **2** | $15,000.00 |
| s. | Replace the acoustic ceiling tile in the Music Practice rooms and Stage corridor, which shows signs of water damage. | **1** | $2,000.00 |

## Lehighton Area High School

| | | Rank | Cost |
|---|---|---|---|
| t. | The Auditorium sound baffles appear to be located incorrectly for sound reflection. Remove and reinstall sound baffles for improved sound transmission. | **3** | $10,000.00 |
| u. | Replace the VCT flooring in the Cafeteria, which is worn and deteriorated. | **2** | $20,000.00 |
| v. | The acoustic ceiling tile in the Cafeteria, Kitchen and Library is showing signs of deterioration and should be replaced. | **1** | $45,000.00 |
| w. | The low shelving at the Library is water damaged and should be replaced. | **3** | $8,000.00 |
| x. | The VCT flooring in the stair towers is showing signs of wear and damage, and should be replaced. | **2** | $16,000.00 |
| | **Total Interior of Building Evaluation Cost** | | **$491,500.00** |

4. **Heating, Ventilation, and Air Conditioning Evaluation:**

| | | | |
|---|---|---|---|
| a. | The boilers are around 15 years old. The expected service life of cast iron boilers is listed in ASHRAE at 35 years. For burners, the service life is listed at 21 years. | | N/A |
| b. | There are some temperature control issues in the facility which should be addressed. We recommend upgrading the controls in the facility and employing some energy saving functions. In addition, the automatic boiler switchover function does not operate properly and needs to be properly programmed. | | $600,000.00 |
| c. | The Chemistry Lab hoods are in poor condition and should be replaced. | **1** | $15,000.00 |
| d. | The dust collection system in the wood shop has some deteriorating exterior ductwork that needs replaced or coated. | | $10,000.00 |
| e. | The units that serve the gymnasium are noisy and should be replaced and modified to resolve this issue. | | $50,000.00 |
| f. | The HVAC system that serves the Trainers room is not adequate and should be upgraded. | | $25,000.00 |

## Lehighton Area High School

| | | Rank | Cost |
|---|---|---|---|
| g. | The relief air system that serves the school is not function properly. This system should be upgraded as required to allow for proper system operation. | | $50,000.00 |
| h.. | Upgrade Entire Mechanical System | **1** | $3,720,000.00 |
| | **Total HVAC Evaluation Cost** | | **$3,735,000.00** |

5. **Plumbing Evaluation:**

| | | | |
|---|---|---|---|
| a. | The domestic hot water heating system is in poor condition and should be replaced. | **1** | $40,000.00 |
| b. | Some of the plumbing fixtures, faucets, and flush valves were generally found to be in poor condition and should be replaced. | **1** | $80,000.00 |
| c. | The condensate disposal system should be modified so that condensate does not run down the exterior wall of the school. | **1** | $80,000.00 |
| d. | Several floor drains were not properly recessed in the floor, do not function, and are creating a tripping hazard. | **2** | $10,000.00 |
| | **Total Plumbing Evaluation Cost** | | **$210,000.00** |

6. **Electrical Evaluation:**

| | | | |
|---|---|---|---|
| a. | The electric service enters the building from a utility owned, pad mounted transformer. The service feeds a 277/480 volt, 2500 switchboard, manufactured by GE. No replacement recommended. | | $0.00 |
| b. | The panelboards throughout the building are circuit breaker panelboards, most manufactured by GE. The panelboards installed in the 1993 construction project and are in good condition. No replacement recommended | | $0.00 |

## Lehighton Area High School

| | | Rank | Cost |
|---|---|---|---|
| c. | General classroom lighting consists of retrofitted T8 fluorescent fixtures. Replace lighting to meet the watts per square foot requirements of the International Energy Code and foot-candle requirements of the Department of Education | **1** | $500,000.00 |
| d. | The exterior building lighting and parking lot lighting is minimal. Provide security lighting around the building and additional lighting for the parking lots. | **1** | $150,000.00 |
| e. | The emergency power consists of a diesel emergency generator. The generator is 60kw, 1277/480 volt, 3 phase installed in the electrical room. There is 1 automatic transfer switch, 1 manual transfer switch and an area protection panel. There are some areas of the building with battery units. Provide emergency lighting connected to the generator in the areas with battery units. | **2** | $30,000.00 |
| f. | Typical classrooms have minimal receptacles and circuits. In some classrooms, receptacles were added but were connected to existing circuits causing circuiting issues. It is recommended that additional receptacles and associated circuits be added in classrooms. Receptacles connected to panelboards with integral surge protection should be added for computer circuits. | **1** | $725,000.00 |
| g. | The main intercom/program master clock systems were installed in 1992. Main rack will soon be 20 years old. Upgrade existing equipment rack. | **2** | $18,000.00 |
| h. | The data drops are not adequate for the facility. Provide additional data drops as required for the classrooms. | | See 8.a. |
| i. | The gymnasium local sound system speakers were replaced but the rack equipment was not replaced. Provide updated rack equipment for the gymnasium local sound system. | **3** | $32,000.00 |
| j. | The cafeteria local sound system meets the needs of the space. No replacement is recommended. | | $0.00 |
| k. | The auditorium local sound system does not meet the needs of the space. Provide a local sound system for the auditorium. | **3** | $175,000.00 |

## Lehighton Area High School

| | | Rank | Cost |
|---|---|---|---|
| l. | The auditorium theatrical lighting meets the needs of the space. No replacement is recommended. | | $0.00 |
| m. | The kitchen lacks groundfault breakers/receptacles to meet the requirements of the NEC. Provide groundfault breakers/receptacles. | **1** | $5,000.00 |
| n. | The building has some card access doors and a minimal security system. Provide additional card readers and a security system. | | See 8.b. |
| o. | The building has 3 interior and 7 exterior cameras and a DVR in the office area. This equipment is outdated...Provide a camera system with DVR for the building. | | See 8.b. |
| | **Total Electrical Evaluation Cost** | | **$1,635,000.00** |

7. **Code Evaluation:**

"The IBC 2006, Americans with Disabilities Act, and recommendations by the Department of Education require all buildings, during the renovation process, to be updated to meet current standards and codes. The following building system will need to be updated during the renovation process in order to meet current standards and codes."

The following items may be required depending on the level of work completed.

| | | | |
|---|---|---|---|
| a. | The Administration reception counter does not meet current ADA standards, and should be replaced. | **3** | $5,000.00 |
| b. | The Administration toilets do not meet current ADA standards, and should be modified. | **3** | $20,000.00 |
| c. | The main access door to the Nurse's suite does not meet ADA standards and should be modified. | **3** | $3,000.00 |
| d. | The Nurse's Suite reception counter does not meet current ADA standards, and should be replaced. | **3** | $2,000.00 |

## Lehighton Area High School

| | | Rank | Cost |
|---|---|---|---|
| e. | The Nurse's Suite toilet room does not meet current ADA standards, and should be modified. | **3** | $20,000.00 |
| f. | The access door to the Nurse's suite Cot room does not meet ADA standards and should be modified. | **3** | $3,000.00 |
| g. | The Science Labs do not contain ADA accessible student sink and lab stations. Modify student lab cabinets/counters to provide ADA compliant student lab sink and stations. | **3** | $10,000.00 |
| h. | The Science Labs do not contain ADA accessible Instructor demonstration stations. Modify Instructor demonstration stations to provide ADA compliant stations. | **3** | $8,000.00 |
| i. | The Science Lab Project rooms do not contain ADA accessible sinks and stations. Modify Project room cabinets/counters to provide ADA compliant sink and stations. | **3** | $3,000.00 |
| j. | The Food Lab does not contain ADA accessible sinks and stations. Modify cabinets/counters to provide ADA compliant sink and stations. | **3** | $3,000.00 |
| k. | The sinks and toilets in Special Education Classrooms do not meet current ADA standards, and should be modified. | **3** | $30,000.00 |
| l. | The Locker rooms do no contain ADA accessible lockers or bench. Modify lockers and bench to meet current ADA standards. | **3** | $4,000.00 |
| m. | The Locker rooms do no contain ADA accessible showers. Modify shower area to meet current ADA standards. | **3** | $15,000.00 |
| n. | The Coaches office area does not contain an ADA accessible toilet and shower area. Modify toilet and shower area to meet current ADA standards. | **3** | $30,000.00 |
| o. | The Chorus room has non ADA accessible built-in risers. Modify riser area to meet current ADA standards. | | N/A |
| p. | The Chorus room has occupancy over 100 students, but does not have two means of egress from the room. Modify the Choral room to accommodate the required two means of egress. | **2** | $5,000.00 |

## Lehighton Area High School

| | Rank | Cost |
|---|---|---|
| q. The Auditorium does not have direct ADA access to the Stage. The Auditorium should be modified to accommodate the direct ADA access. | 3 | $35,000.00 |
| r. The Auditorium does not have ADA accessible seating. The Auditorium seating should be modified to accommodate the required ADA seating. | 3 | $5,000.00 |
| s. The Large Group Instruction area at the rear of the Auditorium does not have ADA accessible seating. The Large Group Instruction seating should be modified to accommodate the required ADA seating. | 3 | $8,000.00 |
| t. The Large Group Instruction lacks railing at the seating stairs. Stair railings should be installed as required by code. | 3 | $10,000.00 |
| u. The Large Group Instruction lacks railing at the top of the seating area and upper landing. Stair railings should be installed as required by code. | 3 | $6,000.00 |
| v. The Control room located at the upper landing of the Large Group Instruction area does not have ADA accessible entry. The main entrance door to the Control room should be modified to meet current ADA standards. | 3 | $3,000.00 |
| w. The Kitchen staff area does not contain an ADA accessible toilet and locker areas. Modify toilet and locker areas to meet current ADA standards. | 3 | $20,000.00 |
| x. The Kitchen storage entrance is not ADA accessible, and should be modified to meet current ADA standards. | 3 | $3,000.00 |
| y. The drinking fountain in the Cafeteria lacks the proper clearance for ADA accessibility. This drinking fountain should be modified to meet current ADA standards. | 2 | $2,000.00 |
| z. The Faculty Toilet rooms are not ADA compliant, and should be modified to meet current ADA standards. | 2 | $20,000.00 |
| aa. The Library circulation desk does not meet current ADA standards, and should be replaced. | 3 | $5,000.00 |
| bb. Update the ADA toilets with vertical grab bars to meet current ADA standards. | 2 | $8,000.00 |

## Lehighton Area High School

| | Rank | Cost |
|---|---|---|
| cc. The fume hood in the shop does not comply with current codes and needs to be upgraded. | **2** | $15,000.00 |
| dd. As per code, enclose currently exposed kiln located in Art room. | **2** | $10,000.00 |
| ee. The existing fire alarm system lacks audio-visual devices in many areas required by code. Provide a fire alarm system to meet current codes. | **2** | $220,000.00 |
| ff. Provide occupancy sensors or lighting control panels to meet the requirements of the International Energy Code. | **1** | $80,000.00 |
| **Total Code Evaluation Cost** | | **$611,000.00** |

8. **Educational Upgrades:**

| | | |
|---|---|---|
| a. The District should continue system upgrades, with respect to technology. Plan to: implement networking system (data); upgrades for classrooms to include LCD projectors, enhanced sound system, and wireless mics; provide adequate electrical and telephone (Voice over IP) upgrades; provide other technology (Video) equipment; and provide necessary software and related supplies. (Voice system is being upgraded by District and not included.) | **2** | $450,000.00 |
| b. Provide a security system of motion detectors and cameras located at strategic points in the corridor areas, and door alarms on all existing exits. Provide all cables, termination devices, and terminal equipment required to construct a complete expanded system for day/occupied security system. | **1** | $200,000.00 |
| c. Acoustics are poor in Cafeteria and Gymnasium. Install additional acoustical treatment. | **3** | $45,000.00 |
| d. Provide directional signage, both for the site and building interior. | **2** | $20,000.00 |
| e. Improve acoustics in Music rooms. | **3** | $15,000.00 |
| **Total Educational Upgrades Cost** | | **$730,000.00** |

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Lehighton Area High School

| | Rank | Cost |
|---|---|---|
| **Total Building Cost** | | **$9,895,250.00** |
| **RANK 1 TOTAL COST** | | **$7,427,500.00** |
| **RANK 2 TOTAL COST** | | **$1,608,500.00** |
| **RANK 3 TOTAL COST** | | **$859,250.00** |
| **RANK 1, 2, 3, TOTAL COST** | | **$9,895,250.00** |

LEHIGHTON
AREA STADIUM

## GENERAL DATA

### Lehighton Area Stadium and Field House

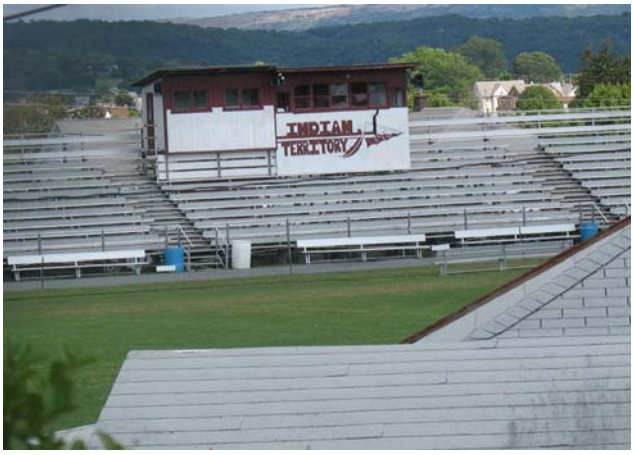
| | |
|---|---|
| **Built:** | In the 1940's |
| **Site:** | 17 acres, located in a residential area with paved drives, parking, play areas, and ball field. |
| **Structure:** | One-story building with concrete floors; masonry bearing walls, wooden roof framing with shingled roofing. Unprotected, combustible construction in accordance with current PA Department of Labor and Industry building code (2006 International Building Code - Type 5). |
| **Heating System:** | Total electric heating units. |
| **Mechanical System:** | On site water and municipal sanitary sewer system. |
| **Electrical Service:** | 277/480 volt; 3-phase; 800 amp |
| **Systems:** | Minimal Emergency Lighting<br>Stadium Sound System |
| **Architectural Area:** | 4,000 SF Field House |
| **PDE Replacement Value:** | N/A |
| **PDE Total Capacity:** | N/A |
| **Current Enrollment:** | N/A |

# PHOTOGRAPHS

## Lehighton Area Stadium and Field House














# PHOTOGRAPHS

## Lehighton Area Stadium and Field House













## PHOTOGRAPHS

### Lehighton Area Stadium and Field House














# PHOTOGRAPHS

## Lehighton Area Stadium and Field House













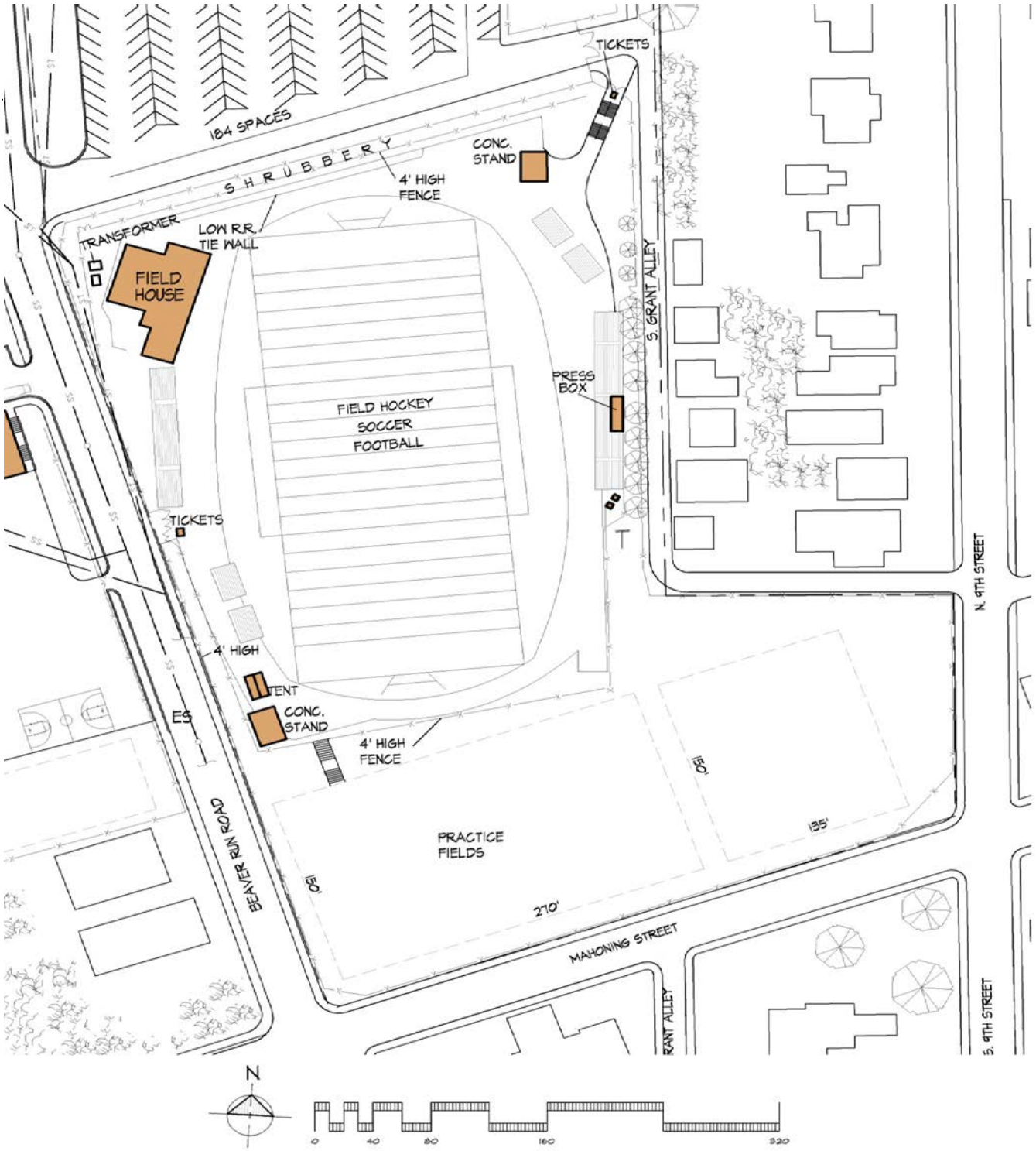
## AERIAL VIEW

### Lehighton Area Middle School and Stadium



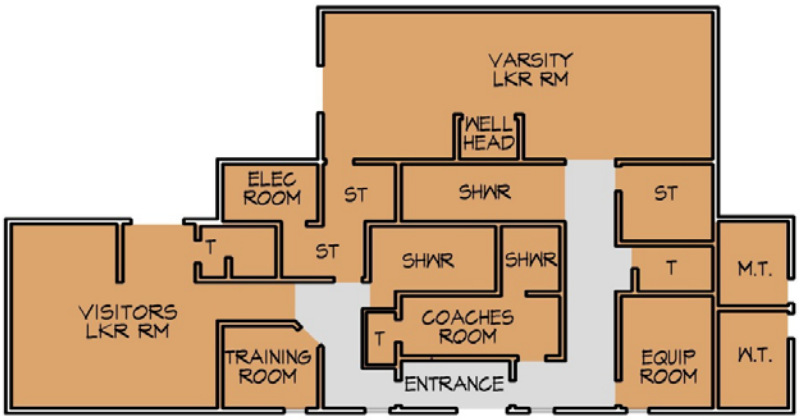
# EXISTING SITE PLAN

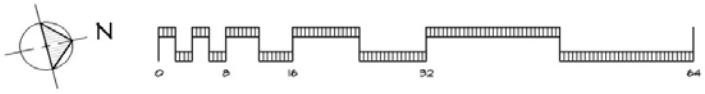
## Lehighton Area Stadium and Field House



# EXISTING FLOOR PLAN

## Lehighton Area Stadium and Field House



# EXISTING ROOM SCHEDULE

## Lehighton Area Stadium and Field House

| Educational Space | No. | Area | Total | Dist. FTE | PDE FTE |
|---|---|---|---|---|---|
| **Varsity Locker Room** | | | | | |
| **Locker Area** | **1** | **865** | **865** | | |
| **Showers** | **1** | **150** | **150** | | |
| **Circulation** | **1** | **260** | **260** | | |
| Toilets | 1 | 55 | 55 | | |
| Storage | 1 | 110 | 110 | | |
| Equipment Room | 1 | 165 | 165 | | |
| **Visitor Locker Room** | | | | | |
| **Locker Area** | **1** | **485** | **485** | | |
| **Showers** | **1** | **140** | **140** | | |
| **Circulation** | **1** | **275** | **275** | | |
| Toilets | 1 | 60 | 60 | | |
| Storage | 1 | 140 | 140 | | |
| **Coach Areas** | | | | | |
| **Locker Area** | **1** | **150** | **150** | | |
| **Showers** | **1** | **60** | **60** | | |
| **Toilets** | **1** | **25** | **25** | | |
| **Training Room / Whirlpool** | **1** | **120** | **120** | | |
| Electric Room | 1 | 85 | 85 | | |
| Well Head | 1 | 40 | 40 | | |
| Men's Public Toilets | 1 | 95 | 95 | | |
| Woman's Public Toilets | 1 | 110 | 110 | | |
| **FUNCTIONAL CAPACITY** | | | | **0** | **0** |
| **TOTAL CAPACITY** | | | | **0** | **0** |
| **SPEC. EDUC. CAPACITY** | | | | **0** | **0** |
| **SCHEDULED AREA** | | | **2,530** | | |
| **ARCHITECTURAL AREA** | | | **3,910** | | |

P.D.E. Capacity & District Capacity = 90% Utilization Factor. District S.E. Capacity = 10 students per classroom.

Secondary Functional Capacity and Total Capacity includes all spaces that receive capacity. Special Education Capacity is not included in the Functional Capacity or Total Capacity. The area of existing spaces may be an average of the respective spaces.

# SUMMARY: SITE IMPROVEMENTS

## Lehighton Area Stadium and Field House

### Turf Conditions
The field surface has experienced the typical expected wear at the midfield point as well as at the twenty yard line to the goal line and along the team bench sideline areas. The field appears to be properly maintained and good cutting turf practices are being employed.

### Goal Posts
The goal posts are the older type known as "H" style. Current standard installation is of the offset variety with a single support post for a safer condition.

### Player Separation
The current configuration of the sidelines has only a low rope for a separation between the players and the spectators. This can become a security issue for the players and coaching staff as well as the officials during game time. A simple remedy to help prevent this conflict would be to install a four foot high chain link fence.

### Irrigation Equipment
No in-ground irrigation - portable unit.

### Electric
There is currently no electric service along each sideline in the team player area.

### Fencing
The perimeter of the field is fenced with a chain link fence approximately seven to eight feet in height. The condition of the fencing is poor in several areas and adjacent hedge and landscaping has grown through and around fence. There is a four foot high fence separating the stadium from the lower practice fields. This fence is leaning and needs to be repaired. There is no gate at the top of the steps leading to the practice fields. There is also a low retaining wall built out of railroad ties at the north end with a four foot high chain link fence above the sloping hillside. This fence is also leaning and needs to be repaired. Gates are provided at various locations around the perimeter to pedestrian access and egress as well as allowing for vehicle access and maintenance, service, and emergency.

### Track
The track that surrounds the football field is a fine gravel limestone material. The track is used in a very limited capacity due to the fact that it is not constructed to meet current standards. In fact, all track events are held at the track located at the High School site. This track is used by the Middle School physical education classes and some of the athletic programs on a limited basis.

### Lighting
The field is lighted from 4 standards, each containing 16 light fixtures. The lights were not observed during the night, but the District indicated that adequate lighting is provided. There is no emergency bleacher lighting.

# SUMMARY: BUILDING IMPROVEMENTS

## Lehighton Area Stadium and Field House

### Stadium

The Stadium is located at the Middle School on the southern end. There is a long narrow strip of land on a lower level that is used for practice. The Stadium has had minimal, major restorations over the years and many elements are in need of upgrading to current standards and codes.

#### Grandstands

The bleacher units at the Stadium are original construction with several small code compliance executed over the years. There exists wood storage units built under the home bleacher units. There are also several new smaller sections of bleachers. Seating is approximately 2050 spectators. The four newer sets of bleachers contain approximately 140 spectators each. The original home side bleacher contains approximately 820 spectators and 670 spectators on the visitor side. The original grandstands are constructed of a steel frame with wood seating and showing significant evidence of wear. Over the years there have been upgrades to cover the seat with aluminum and install wood planks in riser areas. The original bleacher sections do not comply with current code for proper aisle spacing, center handrails at aisles, and guard rail design around top and sides of bleachers. The wood planks added to reduce opening size at riser are deteriorating and need to be replaced. The understructure of the bleachers is rusting and needs to be cleaned and repainted. The existing grandstands should be inspected on an annual basis by a qualified person for compliance with International Code. There is no elevated handicapped seating currently. All handicapped individuals are positioned at grade around the Stadium. The four newer sections of bleachers do meet code. They are not elevated and the first seating row is at grade which limits sight lines.

#### Press Box

The press box is located off center of the home bleacher units and contains two small rooms. It is in poor condition and undersized for current standards. It is not ADA accessible.

#### Score Board

The scoreboard is located at the south end of the stadium area. It is a newer (wireless) installation that appears not to be operating properly and is inconsistent. The face of the structure is sufficient in size to be visually recognized from most all areas in the Stadium.

#### Concession

The concession stand on the southern end of the Stadium is new. It was installed by parents in 2007. Alongside the stand is a tented structure that is also used. There is also a small concession stand at the north end of the stadium used by the Band Boosters. This building is in fair condition. Neither stand is ADA compliant.

#### Public Toilet

There are 4 permanent female and 3 permanent male toilet fixtures. Portable toilets, including a handicapped unit, are next to the home bleacher units. The number of toilet fixtures is well below the current code. The permanent restroom facilities are located on the north side of the field house and are visually in good condition. The interiors have been painted, however, and are not ADA accessible. There is poor ventilation and fixtures are aged.

# SUMMARY: BUILDING IMPROVEMENTS

## Lehighton Area Stadium and Field House

### Ticket Booth

One ticket booth is in the northeast corner of the Stadium by Grant Alley. The other booth is at Beaver Run Road by the main entrance gates on the west side of the Stadium. The structures are visually in fair to good condition; however, they are wooden construction. There are ticket windows on both sides to serve spectators simultaneously for entry. There are limited amenities other than lights and electrical outlets. They are not ADA accessible.

### Field House

The field house, built in the late 1940's, is tucked into the northwest corner of the Stadium. There are 2 locker rooms, coaches room w/toilet, storage rooms, an electric room and an equipment room. The athletic training area is very small. Circulation in the field house could be improved upon to make better use of existing interior space and make the space ADA code compliant. The structure is masonry construction and visually in fair condition. However the facility lacks various spaces (i.e., official's locker room) and is missed sized in other areas. The building is not ADA accessible nor does it meet other current building codes or standards.

## SUMMARY BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

**Lehighton Area Stadium and Field House**

| | | |
|---|---|---|
| **SITE EVALUATION** | **$281,200.00** | **$70.30 SF** |
| **EXTERIOR EVALUATION** | **$27,500.00** | **$6.88 SF** |
| **INTERIOR EVALUATION** | **$92,500.00** | **$23.13 SF** |
| **HEATING / VENTILATION EVALUATION** | **$60,000.00** | **$15.00 SF** |
| **PLUMBING EVALUATION** | **$36,000.00** | **$9.00 SF** |
| **ELECTRICAL EVALUATION** | **$27,000.00** | **$6.75 SF** |
| **CODE EVALUATION** | **$274,500.00** | **$68.63 SF** |
| **SUBTOTAL** | **$798,700.00** | **$199.68 SF** |
| **PROGRAM UPGRADES** | **$40,000.00** | **$10.00 SF** |
| **TOTAL BUILDING* (RANK 1, 2, 3, TOTAL COST)** | **$838,700.00** | **$209.68 SF** |
| **RANK 1 TOTAL COST - REQUIRED** | **$75,500.00** | **$189.93 SF** |
| **RANK 2 TOTAL COST - RECOMMENDED** | **$759,700.00** | **$0.88 SF** |
| **RANK 3 TOTAL COST - OPTIONAL** | **$3,500.00** | **$0.88 SF** |

* For the purpose of this Study, a baseline has been established and no design contingency has been utilized. More precise costs can be developed as the District develops specific educational specifications and chooses its desired option.

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Lehighton Stadium

| | | Rank | Cost |
|---|---|---|---|
| 1. | **Site Evaluation:** | | |
| | a. The track and playing field are separated by a low rope type fence. Replace with 4'-0" high fence and gates to create a secure playing area. | **2** | $30,000.00 |
| | b. The fencing around the Stadium is badly bent and rusted in areas which could be replaced. Remove damaged area and install a new fence. | **2** | $35,000.00 |
| | c. The fence, specifically on the sloped north side of the football field, is in poor condition with areas of mesh destroyed and the fence itself having large openings. Replace fence. | **1** | $8,000.00 |
| | d. The railroad tie retaining wall in near proximity to above fence is falling in towards the track. Replace retaining wall. | **1** | $30,000.00 |
| | e. Shrubbery entwined in the fence on the sloped north and west side will need replacing if fence is replaced. Replace shrubbery. | **3** | $3,500.00 |
| | f. There is no gate in the fence at the south end of the Stadium to prohibit public access to the lower practice field. Install gate in fencing at the top of the wooden steps. | **2** | $1,000.00 |
| | g. There is fairly consistent grass cover on field, but inconsistent grade. Provide a more level football field. Fill in and re-turf low areas. | **2** | $51,200.00 |
| | h. The press box over time has become inadequate in size. Replace press box from two areas to three. | **2** | $120,000.00 |
| | i. There is presently no power to the track. Furnish track with electric at both team areas. Furnish track with electric at both team areas. | **2** | $2,500.00 |
| | **Total Lehighton Stadium Evaluation Cost:** | | **$281,200.00** |

## BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

### Lehighton Stadium

| | | Rank | Cost |
|---|---|---|---|
| 2. | **Exterior of Building Evaluation:** | | |
| | a. The roof is in poor condition, and should be replaced | **1** | $20,000.00 |
| | b. Roof fascia, soffit, gutters and downspouts are in disrepair and should be replaced. | **1** | $7,500.00 |
| | **Total Exterior of Building Evaluation Cost** | | **$27,500.00** |
| 3. | **Interior of Building Evaluation:** | | |
| | a. The paint finishes throughout the building show signs of deterioration. Repaint all areas. | **2** | $7,500.00 |
| | b. The existing lockers and benches are showing signs of wear and deterioration, and should be removed and replaced with new. | **2** | $85,000.00 |
| | **Total Interior of Building Evaluation Cost** | | **$92,500.00** |
| 4. | **Heating, Ventilation, and Air Conditioning Evaluation:** | | |
| | a. The building heating system utilizes electric unit heaters throughout the building. The coach's area is provided with a window air conditioning unit that is exhausted into the locker area. The heating equipment and the air conditioner is approaching the end of it's life expectancy. All terminal equipment is in poor condition. No ventilation or exhaust systems exist within the building. Replace the entire heating system with a new HVAC system that would provide the required ventilation and exhaust systems to meet current code requirements. | **2** | $60,000.00 |
| | **Total HVAC Evaluation Cost** | | **$60,000.00** |
| 5. | **Plumbing Evaluation:** | | |
| | a. The plumbing fixtures along with the domestic and sanitary piping within the building are original. The plumbing fixtures are in fair to poor condition. The plumbing fixtures do not meet current ADA requirements. Replace all fixtures and sanitary piping. | **2** | $36,000.00 |
| | **Total Plumbing Evaluation Cost** | | **$36,000.00** |

## Lehighton Stadium

| | | Rank | Cost |
|---|---|---|---|
| 6. | **Electrical Evaluation:** | | |
| | a. The electric service enters the building from a utility owned, pad mounted transformer. The service feeds a 277/480 volt, 800 amp main circuit breaker panel, manufactured by Square D. The equipment was recently installed and is in good condition. No replacement is recommended. | | $0.00 |
| | b. The panelboards throughout the building are circuit breaker panelboards, most manufactured by Square D. Most panelboards are filled to capacity and need replacement. Replacement is recommended for the older panelboards and additional added. | **1** | $10,000.00 |
| | c. The interior lighting is in poor condition. Provide new interior lighting. | **2** | $10,000.00 |
| | d. The exterior building lighting is minimal. Provide security lighting around the building. | **2** | $2,000.00 |
| | e. The building has minimal receptacles and circuits. It is recommended that additional receptacles and associated circuits be added. | **2** | $5,000.00 |
| | f. The field lighting and sound system were recently replaced. No replacement is recommended. | | $0.00 |
| | **Total Electrical Evaluation Cost** | | **$27,000.00** |

7. **Code Evaluation:**

"The IBC 2006, Americans with Disabilities Act, and recommendations by the Department of Education require all buildings, during the renovation process, to be updated to meet current standards and codes. The following building system will need to be updated during the renovation process in order to meet current standards and codes."

The following items may be required depending on the level of work completed.

## BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

### Lehighton Stadium

| | | Rank | Cost |
|---|---|---|---|
| a. | The wood steps to lower practice field are old without handrails. Replace existing wood steps with new steps having handrails. | **2** | $14,000.00 |
| b. | Install ADA accessible bituminous ramp adjacent to existing wood steps leading to football practice field. | **2** | $15,500.00 |
| c. | Upgrade home and visitor bleacher units to code. Replace riser bar; add aisles and widen existing aisles; add center handrails at aisles; and correct guardrails at ends and rear of bleachers to be code compliant. Repair, clean and refinish under structure. (Does not include access on seating for disabled persons). | **2** | $105,000.00 |
| d. | The Stadium has no emergency lighting. Install emergency lighting. | **2** | $40,000.00 |
| e. | The field house used by the HS/MS is not up to code. Make ADA compliant the coaches office and toilets. | **2** | $20,000.00 |
| f. | There exist a limited number of public toilets at the field house as well as portable toilets placed on the site. Increase the number of public toilets at the field house from 4 to 8 for women and from 3 to 4 for men. | **2** | $80,000.00 |
| | **Total Code Evaluation Cost** | | **$274,500.00** |

8. **Program Upgrades:**

| | | | |
|---|---|---|---|
| a. | Revise coaches and toilet area to provide a new Official's area. | **2** | $40,000.00 |
| | **Total Program Upgrades Cost** | | **$40,000.00** |
| | **Total Building Cost** | | **$838,700.00** |
| | **RANK 1 TOTAL COST** | | **$75,500.00** |
| | **RANK 2 TOTAL COST** | | **$759,700.00** |
| | **RANK 3 TOTAL COST** | | **$3,500.00** |
| | **RANK 1, 2, 3, TOTAL COST** | | **$838,700.00** |

LEHIGHTON
AREA DAO

## GENERAL DATA

### Lehighton Area District Administration Office

| | |
|---|---|
| **Built:** | 1994 |
| **Site:** | 91.52 acres (shared with Lehighton Area High School) |
| **Structure:** | One-story building with concrete floors; metal roof decks; and masonry walls. Unprotected, non-combustible construction in accordance with current PA Department of Labor and Industry building code (2006 International Building Code - Type 2B). |
| **HVAC System:** | The facility is heated and cooled by packaged units located on grade and ducted to the space. The units utilize gas for the heating source and electric compressors. The garage area used gas unit heaters. |
| **Ventilation Systems:** | Outdoor air is provided through the HVAC units. Toilet rooms have exhaust ventilation systems. |
| **Supplementary AC:** | The head end room includes a wall hung Samsung mini-split system air conditioner. |
| **Plumbing Services:** | Public water and sewer services |
| **Water Heating:** | 40 gallon natural gas fired water heater. |
| **Electrical Service:** | 120/208 volt; 3-phase; 400 amp |
| **Systems:** | Fire Alarm System<br>Emergency Battery Packs<br>Data Network<br>VOIP Telephone System<br>Video Surveillance<br>Access Control |
| **Architectural Area:** | 17,330 SF |
| **PDE Replacement Value:** | $638,493 ( 29 FTE x 123 sf = 3,567 x $179 / sf = replacement cost )<br>$127,699 ( 20% Rule ) |
| **PDE Total Capacity:** | 29 |
| **Current Enrollment:** | N/A |

# PHOTOGRAPHS

## Lehighton Area District Administration Office














# PHOTOGRAPHS

## Lehighton Area District Administration Office













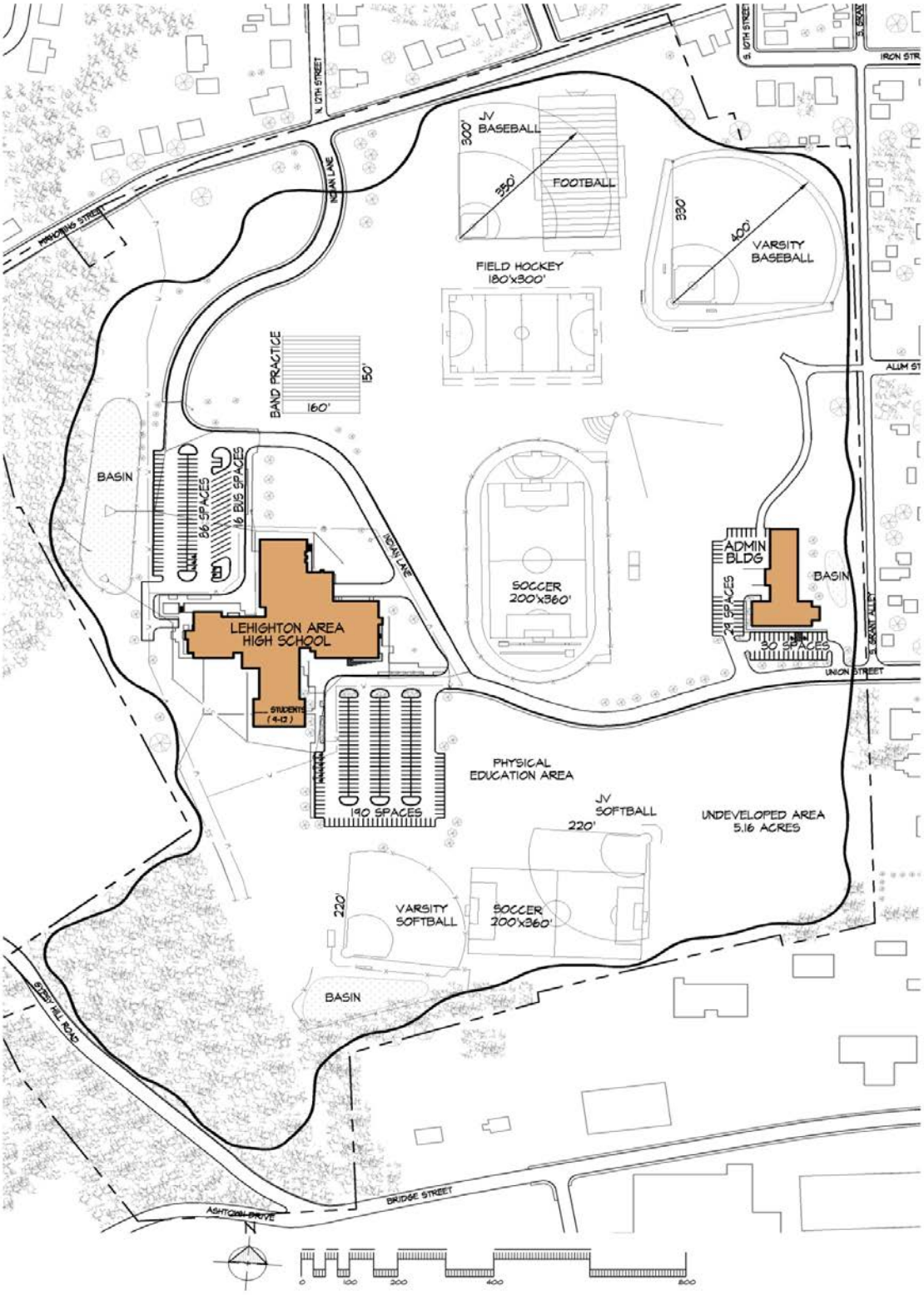
## AERIAL VIEW

### Lehighton Area District Administration Office



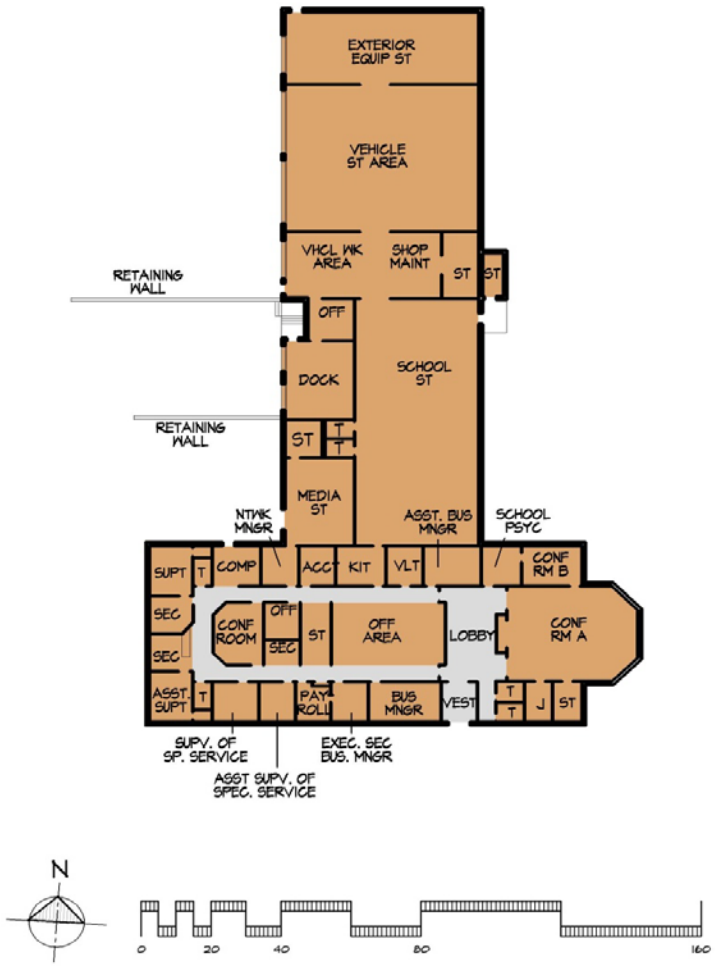
# EXISTING SITE PLAN

## Lehighton Area District Administration Office



# EXISTING FLOOR PLAN

## Lehighton Area District Administration Office



# EXISTING DAO ROOM SCHEDULE

## Lehighton Area District Administration Office

| Educational Space | No. | Area | Total | Dist. FTE | PDE FTE |
|---|---|---|---|---|---|
| **General Office Areas** | | | | | |
| Office | 4 | 100 | 400 | 4 | 4 |
| Office | 3 | 120 | 360 | 3 | 3 |
| Office | 3 | 135 | 405 | 3 | 3 |
| Office | 1 | 150 | 150 | 1 | 1 |
| Office | 3 | 200 | 600 | 3 | 3 |
| Office | 1 | 240 | 240 | 1 | 1 |
| Shared Office Area | 1 | 600 | 600 | 8 | 8 |
| Conference Room | 1 | 200 | 200 | | |
| Conference Room | 1 | 250 | 250 | | |
| Conference Room | 1 | 1,060 | 1,060 | | |
| Computer Area | 1 | 160 | 160 | | |
| Copy Area / Files | 1 | 160 | 160 | | |
| Kitchenette | 1 | 165 | 165 | | |
| Lobby | 1 | 535 | 535 | | |
| Vestibule | 1 | 115 | 115 | | |
| Circulation | 1 | 800 | 800 | | |
| Vault | 1 | 115 | 115 | | |
| Storage | 1 | 90 | 90 | | |
| Janitor | 1 | 85 | 85 | | |
| Toilets | 4 | 45 | 180 | | |
| **Receiving / Maintenance / Storage** | | | | | |
| Office | 1 | 160 | 160 | 1 | 1 |
| Maint. Shop / Vehicle Area | 1 | 890 | 890 | | |
| Central Supply Storage | 1 | 2,680 | 2,680 | | |
| Media Storage | 1 | 510 | 510 | | |
| Vehicle Storage Area | 1 | 2,500 | 2,500 | | |
| Archive Storage | 1 | 110 | 110 | | |
| Storage | 1 | 200 | 200 | | |
| Toilets | 2 | 40 | 80 | | |
| Exterior Equipment Storage | 1 | 1,215 | 1,215 | | |
| Combustible Storage | 1 | 70 | 70 | | |
| Dock Area | 1 | 460 | 460 | | |
| **FUNCTIONAL CAPACITY** | | | | 29 | 29 |
| **TOTAL CAPACITY** | | | | 29 | 29 |
| **SPEC. EDUC. CAPACITY** | | | | 0 | 0 |
| **SCHEDULED AREA** | | | 14,380 | | |
| **ARCHITECTURAL AREA** | | | 17,330 | | |

P.D.E. Capacity & District Capacity = 1.2 Utilization Factor.

Secondary Functional Capacity and Total Capacity includes all spaces that receive capacity. Special Education Capacity is not included in the Functional Capacity or Total Capacity. The area of existing spaces may be an average of the respective spaces.

## SUMMARY BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

**Lehighton Area District Administration Office**

| | | Cost per SF |
|---|---|---|
| **SITE EVALUATION** | **$3,500.00** | **$0.20 SF** |
| **EXTERIOR EVALUATION** | **$8,000.00** | **$0.46 SF** |
| **INTERIOR EVALUATION** | **$14,000.00** | **$0.81 SF** |
| **HEATING / VENTILATION EVALUATION** | **$25,000.00** | **$1.44 SF** |
| **PLUMBING EVALUATION** | **$0.00** | **$0.00 SF** |
| **ELECTRICAL EVALUATION** | **$50,000.00** | **$2.89 SF** |
| **CODE EVALUATION** | **$93,000.00** | **$5.37 SF** |
| **SUBTOTAL** | **$193,500.00** | **$11.17 SF** |
| **PROGRAM UPGRADES** | **$95,000.00** | **$5.48 SF** |
| **AIR CONDITIONING (included in above)** | | |
| **TOTAL BUILDING* (RANK 1, 2, 3, TOTAL COST)** | **$288,500.00** | **$16.65 SF** |
| **RANK 1 TOTAL COST - REQUIRED** | **$120,000.00** | **$6.92 SF** |
| **RANK 2 TOTAL COST - RECOMMENDED** | **$168,500.00** | **$9.72 SF** |
| **RANK 3 TOTAL COST - OPTIONAL** | **$0.00** | **$0.00 SF** |

* For the purpose of this Study, a baseline has been established and no design contingency has been utilized. More precise costs can be developed as the District develops specific educational specifications and chooses its desired option.

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Lehighton Area District Administration Office

| | | Rank | Cost |
|---|---|---|---|
| 1. | **Site Evaluation:** | | |
| | a. Areas of concrete sidewalk show signs of wear and deterioration and should be replaced. | **2** | $3,500.00 |
| | **Total Site Evaluation Cost:** | | **$3,500.00** |
| 2. | **Exterior of Building Evaluation:** | | |
| | a. Portions of split-face cmu have areas with missing mortar and cracking, and should be repaired and repointed. | **1** | $8,000.00 |
| | **Total Exterior of Building Evaluation Cost** | | **$8,000.00** |
| 3. | **Interior of Building Evaluation:** | | |
| | a. Areas of drywall show signs of wear and cracking and should be repaired and repainted. | **1** | $4,500.00 |
| | b. The carpet in the Office areas is worn and deteriorated, and should be replaced. | **1** | $9,500.00 |
| | **Total Interior of Building Evaluation Cost** | | **$14,000.00** |
| 4. | **Heating, Ventilation, and Air Conditioning Evaluation:** | | |
| | a. Upgrade the air conditioning in the main computer room. | **1** | $20,000.00 |
| | b. Install exhaust in the copy room. | **2** | $5,000.00 |
| | **Total HVAC Evaluation Cost** | | **$25,000.00** |
| 5. | **Plumbing Evaluation:** | | |
| | a. No deficiencies | | |
| | **Total Plumbing Evaluation Cost** | | **$0.00** |

# BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

## Lehighton Area District Administration Office

| | | Rank | Cost |
|---|---|---|---|
| 6. | **Electrical Evaluation:** | | |
| | a. The electric service enters the building from a utility owned, pole mounted transformer. The service feeds a 120/208 volt, 400 amp main circuit breaker panel, manufactured by Siemens. The equipment is over 13 years old. No replacement is required. | | $0.00 |
| | b. The panelboards throughout the building are circuit breaker panelboards, most manufactured by Square D. The panelboards were installed in the 1995 and are in good condition. No replacement is required. | | $0.00 |
| | c. Office lighting consists of T8 fluorescent fixtures. No replacement is required. | | $0.00 |
| | d. The emergency lighting consists of battery units. The District MDF is located in this building and a power failure interrupts the entire District. Provide an emergency generator and emergency distribution for the facility. | **1** | $25,000.00 |
| | e. The building has some card access doors and a security system. No replacement is required. | | $0.00 |
| | f. The board room local sound system does not meet the needs of the space. Provide a local sound system for the board room. | **2** | $25,000.00 |
| | **Total Electrical Evaluation Cost** | | **$50,000.00** |
| 7. | **Code Evaluation:** | | |
| | "The IBC 2006, Americans with Disabilities Act, and recommendations by the Department of Education require all buildings, during the renovation process, to be updated to meet current standards and codes. The following building system will need to be updated during the renovation process in order to meet<br>The following items may be required depending on the level of work completed. | | |
| | a. The sink and cabinets in the Kitchenette area are not ADA accessible and should be replaced to meet current ADA standards. | **1** | $2,000.00 |
| | b. The Toilets in the Maintenance building are not ADA accessible and should be modified to meet current ADA standards. | **1** | $20,000.00 |

## BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

### Lehighton Area District Administration Office

| | | Rank | Cost |
|---|---|---|---|
| c. | The entrance into the Media Storage room from the Network Managers Office is not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| d. | The Toilets in the District Administration office are not ADA accessible and should be modified to meet current ADA standards. | **2** | $35,000.00 |
| e. | The exterior egress from the Maintenance Storage area has a 6" high concrete pad. Remove and install new sloped concrete access pad from the adjacent parking area. | **1** | $5,000.00 |
| f. | The entrance door to the Physical Plant Office is not ADA accessible and should be modified to meet current ADA standards. | **1** | $3,000.00 |
| g. | The existing fire alarm system lacks audio-visual devices in many areas required by code. Provide a fire alarm system to meet current codes. | **1** | $20,000.00 |
| h. | Provide occupancy sensors or lighting control panels to meet the requirements of the International Energy Code. | **2** | $5,000.00 |
| | **Total Code Evaluation Cost** | | **$93,000.00** |
| 8. | **Program Upgrades:** | | |
| a. | Modify Superintendant and Secretary area. | **2** | $20,000.00 |
| b. | Modify Conference/Office area. | **2** | $30,000.00 |
| c. | Convert warehouse space to Office area. | **2** | $45,000.00 |
| | **Total Program Upgrades Cost** | | **$95,000.00** |
| | **Total Building Cost** | | **$288,500.00** |
| | **RANK 1 TOTAL COST** | | **$120,000.00** |
| | **RANK 2 TOTAL COST** | | **$168,500.00** |
| | **RANK 3 TOTAL COST** | | **$0.00** |
| | **RANK 1, 2, 3, TOTAL COST** | | **$288,500.00** |

# PART IV
# OPTIONS

# INTRODUCTION TO OPTIONS

This section of the Feasibility Study is an overview of the Proposed Options. Each Option includes the following information: Option Summary; Proposed Educational Program; Option Cost Summary; Proposed Elementary and Secondary Room Schedules; and Projected Reimbursement.

The following Options were developed during meetings with the Lehighton Area School District's District Administration and EI Associates. These Options are provided for the Board of Education to evaluate the needs of the District's facilities. The Options are evaluated using the same information, programming, and facility needs for each Option, in order to compare the cost of each Option on an equal basis.

While the information provided for each facility is for the purpose of the Board of Education to review and evaluate the necessary repair to each building, for the purpose of Option comparison, the entire cost of each facility's improvements has been included as renovation costs. This cost can be refined in meetings held at a later time with the District, when reviewing the actual materials that would be utilized in the construction project.

School districts should understand that the Pennsylvania Department of Education will provide an additional 10% reimbursement for renovating existing buildings; also an additional 10% reimbursement for obtaining a minimum of Silver Certification from the U.S. Green Building Council's Leadership in Energy and Environmental Design Green Building Rating System (LEED-NC) for high performance and sustainable design standards.

These Options should be evaluated by the Board of Education by a process of elimination, narrowing down to a particular facility Option that best meets the program and budgetary concerns of the Lehighton Area School District.

# OPTION EXPLORATION SUMMARY

| I | II | III | Proposed Building Phases |
|---|---|---|---|

## OPTION 1

**NEW MIDDLE SCHOOL**

| | | | |
|---|---|---|---|
| 5-8 | | | New Middle School. |
| | 3-4 | | Convert Existing Middle School to an Elementary School. |
| | K-2 | | Maintain Elementary Schools with required upgrades. |
| | | 9-12 | Maintain High School with required upgrades. |
| DAO | | | Maintain District Administration Building with required upgrades. |

## OPTION 2

**NEW MIDDLE SCHOOL**

| | | | |
|---|---|---|---|
| 5-8 | | | New Middle School. |
| | 3-4 | | Convert Existing Middle School to an Elementary School. |
| | K-2 | | Construct New Elementary School. |
| | | X | Close Existing Elementary Schools. |
| | | 9-12 | Maintain High School with required upgrades. |
| DAO | | | Maintain District Administration Building with required upgrades. |

## OPTION 3

**NEW MIDDLE SCHOOL**

| | | | |
|---|---|---|---|
| 5-8 | | | New Middle School. |
| | | X | Close Existing Middle School |
| | K-4 | | Alterations & Additions to Existing Elementary Schools |
| | | 9-12 | Maintain High School with required upgrades. |
| DAO | | | Maintain District Administration Building with required upgrades. |

## OPTION 4

**ADDITIONS AND ALTERATIONS**

| | | | |
|---|---|---|---|
| 5-8 | | | Alterations and Additions to Middle School with required upgrades. |
| | K-4 | | Alterations and Additions to Elementary Schools with required upgrades. |
| | | 9-12 | Maintain High School with required upgrades. |
| DAO | | | Maintain District Administration Building with required upgrades. |

## OPTION 5

**MIDDLE SCHOOL ADDITION TO THE HIGH SCHOOL**

| | | | |
|---|---|---|---|
| 5-8 | | | Middle School Addition to the High School; with alterations & required upgrades. |
| 9-12 | | | |
| | | X | Close Existing Middle School |
| | K-4 | | Alterations and Additions to Elementary Schools with required upgrades. |
| DAO | | | Maintain District Administration Building with required upgrades. |

# OPTION EXPLORATION SUMMARY

**OPTION 6** **New Primary/Elementary Center**

| | |
|---|---|
| **K-5** | Construct New Primary/Elementary Center |
| **6-8** | Alterations and Additions to Middle School with required upgrades. |
| **9-12** | Maintain High School with required upgrades. |
| **X** | Close Existing Elementary Schools |
| **DAO** | Maintain District Administration Building with required upgrades. |

## Options Information

Each Option includes the following information: Option Summary; Option Cost Summary; Student Enrollment / Capacity Evaluation; Proposed Educational Program; Proposed Elementary and Secondary Room Schedules; and Projected Reimbursement.

**Option Summary:** A summary of the respective option illustrating the proposed Elementary Schools and Secondary Schools.

**Proposed Educational Program:** A summary of the respective option Proposed Educational Program data. The information includes: Proposed Grade Alignment; Potential Work; District and PDE Functional Capacity; District and PDE Special Education Capacity; and the Highest Projected Enrollment for each grade grouping.

**Option Costs:** A Cost Summary of the respective option including Maximum Eligible Reimbursement, Cost for Additions, Renovation Study Cost, Additional Educational Upgrades Cost, Total Project Cost, Annual Total Share, Annual State Share (State Reimbursement), and Annual Local Share.

**Proposed Room Schedules:** Room schedules for the Elementary and Secondary Schools provide data for the Proposed Building Capacity. Spaces that receive capacity are shown as well as each Building's Functional Capacity, Total Capacity, and Special Educational Capacity.

**Projected Reimbursement** Detailed Cost Data for the respective option including projected state reimbursement.

## Option Cost Summary

A Cost Summary of all options including Maximum Eligible Reimbursement, Cost for Additions, Renovation Study Cost, Additional Educational Upgrades Cost, Total Project Cost, Annual Total Share, Annual State Share (State Reimbursement), Annual Local Share.

## EXISTING EDUCATIONAL PROGRAM

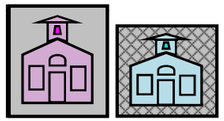
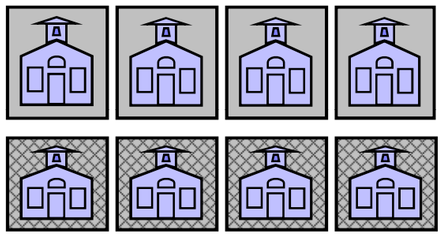
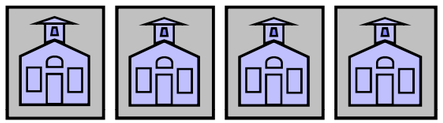
### Existing Building Capacity for Grades K-4; 5-8; 9-12; K-12

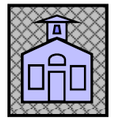
| | Building | Existing Grade Alignment | 2013-14 Enrollment | ** District Functional Capacity | | Highest Projected Enrollment | |
|---|---|---|---|---|---|---|---|
| | | | | Current Use | Adjusted Use | Methods I ,II, III | Current + 10% * |
|  | EAST PENN ELEMENTARY SCHOOL | K-4 | 147 | 175 | 125 | | |
|  | FRANKLIN ELEMENTARY SCHOOL | K-4 | 271 | 375 | 300 | | |
|  | MAHONING ELEMENTARY SCHOOL | K-4 | 225 | 250 | 175 | | |
|  | SHULL-DAVID ELEMENTARY SCHOOL | K-4 | 298 | 350 | 250 | | |
| | **K-4 TOTAL** | | 941 | 1,150 | 850 | 1,396 Method II | 988 2011-12 |
|  | LEHIGHTON AREA MIDDLE SCHOOL | 5-8 | 727 | 789 | 729 | | |
| | **5-8 TOTAL** | | 727 | 789 | 729 | 1,013 Method II | 801 2011-12 |
|  | LEHIGHTON AREA HIGH SCHOOL | 9-12 | 701 | 801 | 781 | | |
| | **9-12 TOTAL** | | 701 | 801 | 781 | 902 Method II | 793 2011-12 |
| | **K-12 TOTAL** | | 2,369 | 2,740 | 2,360 | 3,311 Method II | 2,600 2011-12 |

* PDE allows Current Enrollment + 10% to be used as Highest Projected Enrollment for Project Grades.

** Elementary *Functional Capacity* are Graded K-4 Classrooms. *Current Functional Capacity* represents current use of school; *Adjusted Functional Capacity* represents adjusted use, showing respective support classrooms including Art, Music and Computer Education spaces. *Special Education Capacity* is not included in the Functional Capacity or Total Capacity.

| | OPTION 1 | OPTION 2 | OPTION 3 | OPTION 4 |
|---|---|---|---|---|
| **Phase I** | Grades 5 - 8<br>New Middle School | Grades 5 - 8<br>New Middle School | Grades 5 - 8<br>New Middle School<br>Close Existing Middle School | Grades 5 - 8<br>Existing Middle School Alterations & Additions |
| **Phase II** | Grades 3 - 4<br>Existing M.S. Alterations Convert to E.S.<br>Grades K - 2<br>East Penn Franklin Mahoning Shull-David<br>Existing Elementary School Alterations Change Grade Alignment | Grades K - 4<br>Exist. M.S. Alterations Convert to E.S.<br>New E.S.<br>East Penn Franklin Mahoning Shull-David<br>Close Existing Elementary Schools | Grades K - 4<br>East Penn Franklin Mahoning Shull-David<br>Existing Elementary Schools Alterations & Additions | Grades K - 4<br>East Penn Franklin Mahoning Shull-David<br>Existing Elementary Schools Alterations & Additions |
| **Phase III** | Grades 9 - 12<br>Existing High School Alterations | Grades 9 - 12<br>Existing High School Alterations | Grades 9 - 12<br>Existing High School Alterations | Grades 9 - 12<br>Existing High School Alterations |

| | OPTION 5 | STATUS QUO |
|---|---|---|
| **Phase I** |  Middle School Addition to the High School<br>  Close Existing Middle School<br>Grades 5 - 8; 9-12 |  Existing Middle School Alterations / Upgrades<br>Grades 5 - 8 |
| **Phase II** |  East Penn Franklin Mahoning Shull-David<br>Existing Elementary Schools Alterations & Additions<br>Grades K - 4 |  East Penn Franklin Mahoning Shull-David<br>Existing Elementary School Alterations / Upgrades<br>Grades K - 4 |
| **Phase III** | |  Existing High School Alterations<br>Grades 9 - 12 |

| | OPTION 6 |
|---|---|
| **Phase TBD** |  Existing Middle School Alterations & Additions<br>Grades 6 - 8 |
| **Phase TBD** |  New Primary/Elementary Center<br>Grades K - 5<br>  East Penn Franklin Mahoning Shull-David<br>Close Existing Elementary Schools |
| **Phase TBD** |  Existing High School Alterations<br>Grades 9 - 12 |

OPTION 1

**OPTION 1** **NEW MIDDLE SCHOOL**

| I | II | III | **Proposed Building Phases** |
|---|---|---|---|
| **5-8** | | | New Middle School<br>• Design as a 5-8 Middle School<br>• Potential Grade re-alignment to a 6-8 Middle School dependent upon student enrollment projections |
| | **3-4** | | Convert Existing Middle School to Elementary School with required upgrades<br>• Grade re-alignment to 3-4 Elementary School |
| | **K-2** | | Maintain Elementary Schools with required upgrades.<br>• Grade re-alignment to K-2 Elementary Schools |
| | | **9-12** | Maintain High School with required upgrades.<br>• Maintain as a 9-12 High School |

**DAO**

Maintain District Administration Building with required upgrades.
- Upgrades may occur at any building phase

**Pros**

- Design new Middle School to accommodate educational program
- Allows for Middle School Grade re-alignment, if needed.
- Re-use of existing Middle School as a 3-4 Elementary School
- Maintains all four Elementary Schools

**Cons**

- Extensive renovations and alterations needed to existing Middle School
- Grade re-alignment of the Elementary Schools
- Minimal alterations to High School
- Additional building to maintain

## PROPOSED EDUCATIONAL PROGRAM — OPTION 1

| | Building | Proposed Grade Alignment | Proposed Work | Functional Capacity DIST | Functional Capacity PDE | Highest Projected Enrollment Methods I ,II, III | Highest Projected Enrollment Current + 10% * |
|---|---|---|---|---|---|---|---|
|  | LEHIGHTON AREA NEW MIDDLE SCHOOL | 5-8 | New Construction | 895 | 1,007 | | |
| Phase I | 5-8 TOTAL | | | 895 | 1,007 | 1,013 Method II | 810 2009-10 |
|  | M.S. ELEMENTARY SCHOOL | 3-4 | Upgrades & Renovations | 500 | 500 | | |
| Phase II | 3-4 TOTAL | | | 500 | 500 | 537 Method II | 399 2009-10 |
|  | EAST PENN ELEMENTARY SCHOOL | K-2 | Upgrades & Renovations | 150 | 150 | | |
|  | FRANKLIN ELEMENTARY SCHOOL | K-2 | Upgrades & Renovations | 225 | 225 | | |
|  | MAHONING ELEMENTARY SCHOOL | K-2 | Upgrades & Renovations | 150 | 150 | | |
|  | SHULL-DAVID ELEMENTARY SCHOOL | K-2 | Upgrades & Renovations | 225 | 225 | | |
| Phase II | K-2 TOTAL | | | 750 | 750 | 859 Method II | 631 2009-10 |
|  | LEHIGHTON AREA HIGH SCHOOL | 9-12 | Upgrades & Renovations | 931 | 931 | | |
| Phase III | 9-12 TOTAL | | | 931 | 931 | 902 Method II | 861 2009-10 |
| | K-12 TOTAL | | | 3,076 | 3,188 | 3,311 Method II | 2,702 2009-10 |

* PDE allows 2009/10 or 2010/11 Current Enrollment + 10% to be used as Highest Projected Enrollment for Project Grades.

## Proposed Option Costs - Option 1 New Middle School

| | | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|---|
| | Lehighton Area M.S. | $7,895,910 | $20,700,000 | $0 | $0 | $20,700,000 | $25,875,000 | $359,038 | $1,598,327 |
| **Phase I** | **M.S. Total** | **$7,895,910** | **$20,700,000** | **$0** | **$0** | **$20,700,000** | **$25,875,000** | **$359,038** | **$1,598,327** |
| | M.S. as E.S. | $4,799,640 | $0 | $12,719,000 | $1,500,000 | $14,219,000 | $17,773,750 | $218,263 | $1,126,368 |
| **Phase II** | **E.S. Total** | **$4,799,640** | **$0** | **$12,719,000** | **$1,500,000** | **$14,219,000** | **$17,773,750** | **$218,263** | **$1,126,368** |
| | East Penn E.S. | $1,347,960 | $0 | $3,817,950 | $150,000 | $3,967,950 | $4,959,938 | $61,289 | $313,885 |
| | Franklin E.S. | $2,233,440 | $0 | $5,367,825 | $150,000 | $5,517,825 | $6,897,281 | $101,533 | $420,098 |
| | Mahoning E.S. | $1,494,600 | $0 | $4,235,200 | $150,000 | $4,385,200 | $5,481,500 | $67,979 | $346,789 |
| | Shull-David E.S. | $2,036,040 | $0 | $4,766,250 | $150,000 | $4,916,250 | $6,145,313 | $92,555 | $372,185 |
| **Phase II** | **E.S. Total** | **$7,112,040** | **$0** | **$18,187,225** | **$600,000** | **$18,787,225** | **$23,484,032** | **$323,356** | **$1,452,957** |
| | Lehighton Area H.S. | $8,518,800 | $0 | $6,110,250 | $250,000 | $6,360,250 | $7,950,313 | $361,613 | $239,973 |
| **Phase III** | **H.S. Total** | **$8,518,800** | **$0** | **$6,110,250** | **$250,000** | **$6,360,250** | **$7,950,313** | **$361,613** | **$239,973** |
| | **DAO Total** | **$239,494** | **$0** | **$288,500** | **$0** | **$288,500** | **$360,625** | **$10,895** | **$16,397** |

# PROPOSED BUILDING CAPACITY

## K-4 ELEMENTARY SCHOOLS -- OPTION 1

| | EAST PENN ELEMENTARY | | | | | | | | FRANKLIN ELEMENTARY | | | | | | | | MAHONING ELEMENTARY | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING K-4 | | | | PROPOSED K-2 | | | | EXISTING K-4 | | | | PROPOSED K-2 | | | | EXISTING K-4 | | | | PROPOSED K-2 | | | |
| | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | |
| Educational Space | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE |
| Kindergarten Clsrm | 2 | 800 | 1,600 | 50 | 2 | 870 | 1,740 | 50 | 4 | 880 | 3,520 | 100 | 3 | 900 | 2,700 | 75 | 2 | 780 | 1,560 | 50 | 2 | 860 | 1,720 | 50 |
| First Grade Clsrm | 1 | 840 | 840 | 25 | 2 | 855 | 1,710 | 50 | 3 | 765 | 2,295 | 75 | 3 | 880 | 2,640 | 75 | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 |
| Second Grade Clsrm | 2 | 870 | 1,740 | 50 | 2 | 800 | 1,600 | 50 | 3 | 800 | 2,400 | 75 | 3 | 880 | 2,640 | 75 | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 |
| Third Grade Clsrm | 1 | 870 | 870 | 25 | | | 0 | 0 | 3 | 900 | 2,700 | 75 | | | 0 | 0 | 2 | 860 | 1,720 | 50 | | | 0 | 0 |
| Fourth Grade Clsrm | 1 | 760 | 760 | 25 | | | 0 | 0 | 2 | 900 | 1,800 | 50 | | | 0 | 0 | 2 | 860 | 1,720 | 50 | | | 0 | 0 |
| Fifth Grade Clsrm | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Sixth Grade Clsrm | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Seventh Grade Clsrm | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Eighth Grade Clsrm | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Support Clsrm 660+ SF | | | 0 | 0 | 1 | 760 | 760 | 25 | | | 0 | 0 | 3 | 765 | 2,295 | 75 | 1 | 780 | 780 | 25 | 2 | 860 | 1,720 | 50 |
| Pre Kindergarten | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Modular Clsrm | | | | | | | | | 1 Fourth Grade | | | | | | | | | | | | | | | |
| Special Education Clsrm. | 2 | 780 | 1,560 | | 1 | 780 | 780 | | 2 | 900 | 1,800 | | 2 | 850 | 1,700 | | 1 | 780 | 780 | | 2 | 780 | 1,560 | |
| I.U. / S.E. Clsrm | 1 | 800 | 800 | | | | 0 | | | | 0 | | 1 | 850 | 850 | | | | 0 | | | | 0 | |
| Spec. Educ. Seminar / S.G.I. | | | 0 | | 1 | 420 | 420 | | 1 | 420 | 420 | | | | 0 | | | | 0 | | | | 0 | |
| Media Center | 1 | 865 | 865 | | 1 | 865 | 865 | | 1 | 1,300 | 1,300 | | 1 | 1,300 | 1,300 | | 1 | 840 | 840 | | 1 | 840 | 840 | |
| S.G.I. / Student Activity | 3 | 125 | 375 | | 3 | 125 | 375 | | 4 | 240 | 960 | | 4 | 240 | 960 | | 1 | 335 | 335 | | 2 | 340 | 680 | |
| Large Group Instruction | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Classroom | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Sci Proj Rm / Greenhouse | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Business / Computer Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Computer Lab | 1 | 420 | 420 | | 1 | 800 | 800 | | 1 | 400 | 400 | | 1 | 800 | 800 | | 1 | 350 | 350 | | 1 | 785 | 785 | |
| Art Classroom | 1 | 830 | 830 | | 1 | 830 | 830 | | 1 | 900 | 900 | | 1 | 900 | 900 | | 1 | 860 | 860 | | 1 | 860 | 860 | |
| Music Classroom | Share w/ Art | | | | 1 | 780 | 780 | | Share w/ Art | | | | 1 | 800 | 800 | | Share w/ Art | | | | 1 | 780 | 780 | |
| Band / Orchestra / Choral | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Music S.G.I. | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Family & Consumer Science | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| TE Shop | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Gymnasium 6500+ SF | 1 | 1,660 | 1,660 | | 1 | 1,660 | 1,660 | | 1 | 3,900 | 3,900 | | 1 | 3,900 | 3,900 | | 1 | 1,720 | 1,720 | | 1 | 1,720 | 1,720 | |
| Adaptive Gym / Wrestling | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Locker Room / Team Room | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Officials / P.E. Office | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Stage / Platform | 1 | 400 | 400 | | 1 | 400 | 400 | | 1 | 660 | 660 | | 1 | 660 | 660 | | 1 | 360 | 360 | | 1 | 360 | 360 | |
| Auditorium | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Student Dining | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Kitchen Areas | 1 | 650 | 650 | | 1 | 650 | 650 | | 1 | 1,000 | 1,000 | | 1 | 1,000 | 1,000 | | 1 | 735 | 735 | | 1 | 735 | 735 | |
| Administration / Guidance | 1 | 460 | 460 | | 1 | 460 | 460 | | 1 | 750 | 750 | | 1 | 750 | 750 | | 1 | 800 | 800 | | 1 | 800 | 800 | |
| Health Suite | 1 | 435 | 435 | | 1 | 435 | 435 | | 1 | 470 | 470 | | 1 | 470 | 470 | | 1 | 430 | 430 | | 1 | 430 | 430 | |
| Faculty Dining / Workroom | 1 | 515 | 515 | | 1 | 515 | 515 | | 1 | 590 | 590 | | 1 | 590 | 590 | | 1 | 400 | 400 | | 1 | 400 | 400 | |
| I.P.C. / Office | | | 0 | | | | 0 | | 1 | 250 | 250 | | 1 | 250 | 250 | | | | 0 | | | | 0 | |
| FUNCTIONAL CAPACITY | | | 175 | | | | 150 | | | | 375 | | | | 225 | | | | 250 | | | | 150 | |
| TOTAL CAPACITY | | | 175 | | | | 175 | | | | 375 | | | | 300 | | | | 275 | | | | 200 | |
| SPEC. EDUC. CAPACITY | | | 75 | | | | 50 | | | | 75 | | | | 75 | | | | 25 | | | | 50 | |
| SCHEDULED AREA | | | 14,780 | | | | 14,780 | | | | 26,115 | | | | 25,205 | | | | 16,830 | | | | 16,830 | |
| ARCHITECTURAL AREA | | | 24,270 | | | | 24,270 | | | | 39,915 | | | | 39,915 | | | | 28,470 | | | | 28,470 | |
| NEW ARCHITECTURAL AREA | | | | | | | 0 | | | | | | | | 0 | | | | | | | | 0 | |
| CLSRM COUNT | 7 | | | | 7 | | | | 15 | | | | 12 | | | | 11 | | | | 8 | | | |
| S.E. COUNT | 3 | | | | 1 | | | | 2 | | | | 3 | | | | 1 | | | | 2 | | | |
| OTHER | 1 | | | | 3 | | | | 1 | | | | 3 | | | | 1 | | | | 3 | | | |
| TOTAL | 11 | | | | 11 | | | | 18 | | | | 18 | | | | 13 | | | | 13 | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.64 | | | | 1.64 | | | | 1.53 | | | | 1.58 | | | | 1.69 | | | | 1.69 | |

| | SHULL-DAVID ELEMENTARY | | | | | | | | LEHIGHTON AREA MIDDLE SCHOOL as E.S. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING K-4 | | | | PROPOSED K-2 | | | | EXISTING 5-8 | | | | PROPOSED 3-4 E.S. | | | | PROPOSED 3-5 E.S. | | | |
| | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | |
| Educational Space | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE |
| Kindergarten Clsrm | 4 | 980 | 3,920 | 100 | 3 | 980 | 2,940 | 75 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| First Grade Clsrm | 2 | 910 | 1,820 | 50 | 3 | 975 | 2,925 | 75 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Second Grade Clsrm | 4 | 975 | 3,900 | 100 | 3 | 950 | 2,850 | 75 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Third Grade Clsrm | 2 | 910 | 1,820 | 50 | | | 0 | 0 | | | 0 | 0 | 10 | 850 | 8,500 | 250 | 10 | 850 | 8,500 | 250 |
| Fourth Grade Clsrm | 2 | 910 | 1,820 | 50 | | | 0 | 0 | | | 0 | 0 | 10 | 850 | 8,500 | 250 | 10 | 850 | 8,500 | 250 |
| Fifth Grade Clsrm | | | 0 | 0 | | | 0 | 0 | 6 | 840 | 5,040 | 150 | | | 0 | 0 | 10 | 850 | 8,500 | 250 |
| Sixth Grade Clsrm | | | 0 | 0 | | | 0 | 0 | 3 | 860 | 2,580 | 75 | | | 0 | 0 | | | 0 | 0 |
| Seventh Grade Clsrm | | | 0 | 0 | | | 0 | 0 | 6 | 840 | 5,040 | 150 | | | 0 | 0 | | | 0 | 0 |
| Eighth Grade Clsrm | | | 0 | 0 | | | 0 | 0 | 6 | 860 | 5,160 | 150 | | | 0 | 0 | | | 0 | 0 |
| Support Clsrm 660+ SF | | | 0 | 0 | 3 | 910 | 2,730 | 75 | 1 | 1,050 | 1,050 | 25 | 10 | 850 | 8,500 | 250 | 4 | 850 | 3,400 | 100 |
| Pre Kindergarten | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Modular Clsrm | 1 Third Grade | | | | | | | | 4 *3 6th Gr Clsrm & 1 Clsrm | | | | | | | | | | | |
| Special Education Clsrm. | 2 | 870 | 1,740 | | 2 | 870 | 1,740 | | 3 | 860 | 2,580 | | 6 | 850 | 5,100 | | 6 | 850 | 5,100 | |
| I.U. / S.E. Clsrm | | | 0 | | | | 0 | | 1 | 840 | 840 | | 1 | 850 | 850 | | 1 | 850 | 850 | |
| Spec. Educ. Seminar / S.G.I. | 1 | 200 | 200 | | | | 0 | | 6 | 350 | 2,100 | | 1 | 400 | 400 | | 1 | 400 | 400 | |
| Media Center | 1 | 1,170 | 1,170 | | 1 | 1,170 | 1,170 | | 1 | 2,260 | 2,260 | | 1 | 3,000 | 3,000 | | 1 | 3,000 | 3,000 | |
| S.G.I. / Student Activity | 4 | 305 | 1,220 | | 4 | 305 | 1,220 | | | | 0 | | 4 | 850 | 3,400 | | 2 | 350 | 700 | |
| Large Group Instruction | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Classroom | | | 0 | | | | 0 | | 4 | 840 | 3,360 | 100 | | | 0 | | | | 0 | |
| Science Lab | | | 0 | | | | 0 | | 4 | 1,120 | 4,480 | 80 | | | 0 | | | | 0 | |
| Sci Proj Rm / Greenhouse | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Business / Computer Lab | | | 0 | | | | 0 | | | | 0 | 0 | | | 0 | | | | 0 | |
| Computer Lab | 1 | 325 | 325 | | 1 | 800 | 800 | | 2 | 890 | 1,780 | 40 | 2 | 890 | 1,780 | | 2 | 890 | 1,780 | |
| Art Classroom | 1 | 825 | 825 | | 1 | 910 | 910 | | 2 | 1,155 | 2,310 | 40 | 2 | 1,155 | 2,310 | | 2 | 1,155 | 2,310 | |
| Music Classroom | Share w/ Art | | | | 1 | 910 | 910 | | 1 | 850 | 850 | 25 | | | 0 | | | | 0 | |
| Band / Orchestra / Choral | | | 0 | | | | 0 | | 1 | 1,250 | 1,250 | 25 | 1 | 1,250 | 1,250 | | 1 | 1,250 | 1,250 | |
| Music S.G.I. | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Family & Consumer Science | | | 0 | | | | 0 | | 1 | 1,700 | 1,700 | 20 | | | 0 | | | | 0 | |
| TE Shop | | | 0 | | | | 0 | | 2 | 2,130 | 4,260 | 40 | | | 0 | | | | 0 | |
| Gymnasium 6500+ SF | 1 | 2,550 | 2,550 | | 1 | 2,550 | 2,550 | | 1 | 10,620 | 10,620 | 99 | 1 | 10,620 | 10,620 | | 1 | 10,620 | 10,620 | |
| Adaptive Gym / Wrestling | | | 0 | | | | 0 | | 1 | 1,415 | 1,415 | | 1 | 1,415 | 1,415 | | 1 | 1,415 | 1,415 | |
| Locker Room / Team Room | | | 0 | | | | 0 | | 2 | 1,445 | 2,890 | | 2 | 1,445 | 2,890 | | 2 | 1,445 | 2,890 | |
| Officials / P.E. Office | | | 0 | | | | 0 | | 3 | 190 | 570 | | 2 | 190 | 380 | | 2 | 190 | 380 | |
| Stage / Platform | 1 | 420 | 420 | | 1 | 420 | 420 | | 1 | 1,600 | 1,600 | | 1 | 1,600 | 1,600 | | 1 | 1,600 | 1,600 | |
| Auditorium | | | 0 | | | | 0 | | 1 | 6,430 | 6,430 | | 1 | 6,430 | 6,430 | | 1 | 6,430 | 6,430 | |
| Student Dining | | | 0 | | | | 0 | | 1 | 2,900 | 2,900 | | 1 | 4,000 | 4,000 | | 1 | 4,000 | 4,000 | |
| Kitchen Areas | 1 | 1,155 | 1,155 | | 1 | 1,155 | 1,155 | | 1 | 1,930 | 1,930 | | 1 | 2,400 | 2,400 | | 1 | 2,400 | 2,400 | |
| Administration / Guidance | 1 | 1,100 | 1,100 | | 1 | 1,200 | 1,200 | | 1 | 2,140 | 2,140 | | 1 | 3,000 | 3,000 | | 1 | 3,000 | 3,000 | |
| Health Suite | 1 | 530 | 530 | | 1 | 530 | 530 | | 1 | 830 | 830 | | 1 | 830 | 830 | | 1 | 830 | 830 | |
| Faculty Dining / Workroom | 1 | 350 | 350 | | 1 | 800 | 800 | | 1 | 400 | 400 | | 1 | 800 | 800 | | 1 | 800 | 800 | |
| I.P.C. / Office | 1 | 100 | 100 | | 1 | 100 | 100 | | 2 | 320 | 640 | | | | 0 | | | | 0 | |
| FUNCTIONAL CAPACITY | | | 350 | | | | 225 | | | | 917 | | | | 500 | | | | 750 | |
| TOTAL CAPACITY | | | 350 | | | | 300 | | | | 917 | | | | 750 | | | | 850 | |
| SPEC. EDUC. CAPACITY | | | 50 | | | | 50 | | | | 125 | | | | 200 | | | | 200 | |
| SCHEDULED AREA | | | 24,965 | | | | 24,950 | | | | 79,005 | | | | 77,955 | | | | 78,655 | |
| ARCHITECTURAL AREA | | | 38,515 | | | | 38,515 | | | | 118,450 | | | | 118,450 | | | | 118,450 | |
| NEW ARCHITECTURAL AREA | | | | | | | | | | | | | | | 118,450 | | | | 118,450 | |
| CLSRM COUNT | 14 | | | | 12 | | | | 22 (+4 Modular Clsrms) | | | | 30 | | | | 34 | | | |
| S.E. COUNT | 2 | | | | 2 | | | | 4 | | | | 7 | | | | 7 | | | |
| OTHER | 1 | | | | 2 | | | | 17 (+4 Clsrms FCS/TE) | | | | 9 | | | | 5 | | | |
| TOTAL | 17 | | | | 16 | | | | 43 (+4 Clsrms FCS/TE) | | | | 46 | | | | 46 | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.54 | | | | 1.54 | | | | 1.50 | | | | 1.52 | | | | 1.51 | |

| | 5-8 LEHIGHTON AREA MIDDLE SCHOOL | | | | | | | | | | 9-12 LEHIGHTON AREA HIGH SCHOOL | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING 5-8 | | | | | PROPOSED 5-8 New M.S. | | | | | EXISTING 9-12 | | | | | PROPOSED 9-12 | | | | |
| Educational Space | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE |
| Fifth Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Sixth Grade Reg Clsrm 660+ SF | 3 | 860 | 2,580 | 75 | 75 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Seventh Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Eighth Grade Reg Clsrm 660+ SF | 6 | 860 | 5,160 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| 9-12 Lang Arts Reg Clsrm 660+ SF | | | | | | | | | | | 7 | 830 | 5,810 | 175 | 175 | 7 | 830 | 5,810 | 175 | 175 |
| 9-12 F Lang Reg Clsrm 660+ SF | | | | | | | | | | | 2 | 830 | 1,660 | 50 | 50 | 2 | 830 | 1,660 | 50 | 50 |
| 9-12 Math Reg Clsrm 660+ SF | | | | | | | | | | | 5 | 780 | 3,900 | 125 | 125 | 5 | 780 | 3,900 | 125 | 125 |
| 9-12 Soc St Reg Clsrm 660+ SF | | | | | | | | | | | 6 | 780 | 4,680 | 150 | 150 | 6 | 780 | 4,680 | 150 | 150 |
| Reg Clsrm 660+ SF | 1 | 1,050 | 1,050 | 25 | 25 | 2 | 800 | 1,600 | 50 | 50 | 1 | 780 | 780 | 25 | 25 | 1 | 780 | 780 | 25 | 25 |
| Modular Clsrm | 4 | 3 Sixth Gr Clsrm & 1 Reg Clsrm | | | | | | | | | | | | | | | | | | |
| Special Education Clsrm. | 3 | 860 | 2,580 | | | 3 | 800 | 2,400 | | | 7 | 735 | 5,145 | | | 7 | 735 | 5,145 | | |
| Special Education Clsrm. (Divided) | | | 0 | | | 3 | 800 | 2,400 | | | | | 0 | | | | | 0 | | |
| I.U. / S.E. Clsrm | 1 | 840 | 840 | | | 1 | 800 | 800 | | | | | | | | | | | | |
| Spec. Educ. Seminar / S.G.I. | 6 | 350 | 2,100 | | | 1 | 400 | 400 | | | | | 0 | | | | | 0 | | |
| Media Center | 1 | 2,260 | 2,260 | | | 1 | 3,000 | 3,000 | | | 1 | 2,630 | 2,630 | | | 1 | 2,630 | 2,630 | | |
| T.V. Studio | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 1 | 500 | 500 | | | 1 | 500 | 500 | | |
| S.G.I. / Student Activity | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Large Group Instruction | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Science Classroom | 4 | 840 | 3,360 | 100 | 100 | 4 | 800 | 3,200 | 100 | 100 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Science Lab | 4 | 1,120 | 4,480 | 80 | 80 | 4 | 1,000 | 4,000 | 80 | 80 | 7 | 1,100 | 7,700 | 140 | 140 | 7 | 1,100 | 7,700 | 140 | 140 |
| Sci Proj Rm / Greenhouse | | | 0 | | | | | 0 | | | 3 | 275 | 825 | | | 3 | 275 | 825 | | |
| Business / Computer Lab | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 4 | 1,100 | 4,400 | 80 | 80 | 4 | 1,100 | 4,400 | 80 | 80 |
| Computer Lab | 2 | 890 | 1,780 | 40 | 40 | 2 | 800 | 1,600 | 40 | 40 | 1 | 745 | 745 | 20 | 20 | 1 | 745 | 745 | 20 | 20 |
| Art Classroom | 2 | 1,155 | 2,310 | 40 | 40 | 2 | 1,000 | 2,000 | 40 | 40 | 1 | 1,470 | 1,470 | 20 | 20 | 1 | 1,470 | 1,470 | 20 | 20 |
| Music Classroom | 1 | 850 | 850 | 25 | 25 | 1 | 800 | 800 | 25 | 25 | 1 | 850 | 850 | 25 | 25 | 1 | 850 | 850 | 25 | 25 |
| Band / Orchestra / Choral | 1 | 1,250 | 1,250 | 25 | 25 | 1 | 1,200 | 1,200 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 |
| Family & Consumer Science | 1 | 1,700 | 1,700 | 20 | 20 | 1 | 1,600 | 1,600 | 20 | 20 | 2 | 1,185 | 2,370 | 40 | 40 | 2 | 1,185 | 2,370 | 40 | 40 |
| TE Shop | 2 | 2,130 | 4,260 | 40 | 40 | 2 | 1,800 | 3,600 | 40 | 40 | 3 | 2,415 | 7,245 | 60 | 60 | 3 | 2,415 | 7,245 | 60 | 60 |
| Gymnasium 6500+ SF | 1 | 10,620 | 10,620 | 99 | 99 | 1 | 9,000 | 9,000 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 |
| Adaptive Gym / Wrestling 1000+ SF | 1 | 1,415 | 1,415 | | | 1 | 1,400 | 1,400 | | | 1 | 1,680 | 1,680 | | | 1 | 1,680 | 1,680 | | |
| Locker Room / Team Room | 2 | 1,445 | 2,890 | | | 2 | 800 | 1,600 | | | 2 | 870 | 1,740 | | | 2 | 870 | 1,740 | | |
| Wrestling / Weight Rm | | | 0 | | | | | 0 | | | 1 | 1,650 | 1,650 | | | 1 | 1,650 | 1,650 | | |
| Training Room / Whirlpool | | | 0 | | | | | 0 | | | 2 | 100 | 200 | | | 2 | 100 | 200 | | |
| Officials / P.E. Office | 3 | 190 | 570 | | | 2 | 150 | 300 | | | 2 | 70 | 140 | | | 2 | 70 | 140 | | |
| Stage / Platform | 1 | 1,600 | 1,600 | | | 1 | 1,500 | 1,500 | | | 1 | 1,930 | 1,930 | | | 1 | 1,930 | 1,930 | | |
| Auditorium | 1 | 6,430 | 6,430 | | | | | 0 | | | 1 | 9,000 | 9,000 | | | 1 | 9,000 | 9,000 | | |
| Student Dining | 1 | 2,900 | 2,900 | | | 1 | 4,000 | 4,000 | | | 1 | 5,100 | 5,100 | | | 1 | 5,100 | 5,100 | | |
| Kitchen Areas | 1 | 1,930 | 1,930 | | | 1 | 2,500 | 2,500 | | | 1 | 4,270 | 4,270 | | | 1 | 4,270 | 4,270 | | |
| Administration / Guidance | 1 | 2,140 | 2,140 | | | 1 | 2,400 | 2,400 | | | 1 | 3,860 | 3,860 | | | 1 | 3,860 | 3,860 | | |
| Health Suite | 1 | 830 | 830 | | | 1 | 800 | 800 | | | 1 | 660 | 660 | | | 1 | 660 | 660 | | |
| Faculty Dining / Workroom | 1 | 400 | 400 | | | 1 | 800 | 800 | | | 2 | 575 | 1,150 | | | 2 | 575 | 1,150 | | |
| I.P.C. / Office | 2 | 320 | 640 | | | 1 | 400 | 400 | | | 3 | 185 | 555 | | | 3 | 185 | 555 | | |
| FUNCTIONAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 931 | 931 | | | | 931 | 931 |
| TOTAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 931 | 931 | | | | 931 | 931 |
| SPEC. EDUC. CAPACITY | | | | 50 | 125 | | | | 80 | 200 | | | | 70 | 175 | | | | 70 | 175 |
| SCHEDULED AREA | | | 79,005 | SF | | | | 72,500 | SF | | | | 78,145 | SF | | | | 78,145 | SF | |
| ARCHITECTURAL AREA | | | 118,450 | SF | | | | 115,000 | SF | | | | 148,940 | SF | | | | 148,940 | SF | |
| NEW ARCHITECTURAL AREA | | | | | | | | 115,000 | SF | | | | | | | | | 0 | SF | |
| CLSRM COUNT | 26 | (4 Modular Clsrms) | | | | 26 | | | | | 21 | | | | | 21 | | | | |
| S.E. COUNT | 4 | | | | | 7 | | | | | 7 | | | | | 7 | | | | |
| TOTAL | 30 | | | | | 33 | | | | | 28 | | | | | 28 | | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.499 | | | | | 1.586 | | | | | 1.906 | | | | | 1.906 | | |

## PROJECTED REIMBURSEMENT

## OPTION 1

| | Dist Bldg. FTE | PDE Adj. New FTE | RPC | ** Reimb. Factor | Max Elig. Reimb. | Constr. New S.F. | Constr. Cost for Additions | Renov. Exist. S.F. | Renov. Study Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | ** % M.E.R. to T.P.C. | Aid Ratio | % State Share | % Local Share | + Annual Total Share | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lehighton Area | 895 | 535 | 745 | 4,700 | 3,501,500 | 115,000 | 20,700,000 | 0 | 0 | 0 | 20,700,000 | 25,875,000 | 0.3052 | 0.6011 | 18.34% | 81.66% | 1,957,365 | 359,038 | 1,598,327 |
| Middle School | | *Existing | 0 | 470 | 0 | | | | | | | | | | | | | | |
| | | *LEED | 745 | 470 | 350,150 | | | | | | | | | | | | | | |
| | | 534 | 593 | 6,200 | 3,676,600 | | | | | | | | | | | | | | |
| | | *Existing | 0 | 620 | 0 | | | | | | | | | | | | | | |
| | | *LEED | 593 | 620 | 367,660 | | | | | | | | | | | | | | |
| **M.S. Total** | **895** | **1,069** | **1,338** | | **$7,895,910** | **115,000** | **$20,700,000** | **0** | **$0** | **$0** | **$20,700,000** | **$25,875,000** | | **0.6011** | | | **$1,957,365** | **$359,038** | **$1,598,327** |
| M.S. as | 750 | 619 | 851 | 4,700 | 3,999,700 | 0 | 0 | 118,450 | 12,719,000 | 1,500,000 | 14,219,000 | 17,773,750 | 0.2700 | 0.6011 | 16.23% | 83.77% | 1,344,631 | 218,263 | 1,126,368 |
| Elementary | | *Existing | 851 | 470 | 399,970 | | | | | | | | | | | | | | |
| | | *LEED | 851 | 470 | 399,970 | | | | | | | | | | | | | | |
| **3-4 E.S. Total** | **750** | **619** | **851** | | **$4,799,640** | **0** | **$0** | **118,450** | **$12,719,000** | **$1,500,000** | **$14,219,000** | **$17,773,750** | | **0.6011** | | | **$1,344,631** | **$218,263** | **$1,126,368** |
| East Penn | 150 | 171 | 239 | 4,700 | 1,123,300 | 0 | 0 | 24,270 | 3,817,950 | 150,000 | 3,967,950 | 4,959,938 | 0.2718 | 0.6011 | 16.34% | 83.66% | 375,174 | 61,289 | 313,885 |
| Elementary | | *Existing | 239 | 470 | 112,330 | | | | | | | | | | | | | | |
| | | *LEED | 239 | 470 | 112,330 | | | | | | | | | | | | | | |
| | | | | | **1,347,960** | | | | | | | | | | | | | | |
| Franklin | 225 | 283 | 396 | 4,700 | 1,861,200 | 0 | 0 | 39,915 | 5,367,825 | 150,000 | 5,517,825 | 6,897,281 | 0.3238 | 0.6011 | 19.46% | 80.54% | 521,631 | 101,533 | 420,098 |
| Elementary | | *Existing | 396 | 470 | 186,120 | | | | | | | | | | | | | | |
| | | *LEED | 396 | 470 | 186,120 | | | | | | | | | | | | | | |
| | | | | | **2,233,440** | | | | | | | | | | | | | | |
| Mahoning | 150 | 189 | 265 | 4,700 | 1,245,500 | 0 | 0 | 28,470 | 4,235,200 | 150,000 | 4,385,200 | 5,481,500 | 0.2727 | 0.6011 | 16.39% | 83.61% | 414,768 | 67,979 | 346,789 |
| Elementary | | *Existing | 265 | 470 | 124,550 | | | | | | | | | | | | | | |
| | | *LEED | 265 | 470 | 124,550 | | | | | | | | | | | | | | |
| | | | | | **1,494,600** | | | | | | | | | | | | | | |
| Shull-David | 225 | 258 | 361 | 4,700 | 1,696,700 | 0 | 0 | 38,515 | 4,766,250 | 150,000 | 4,916,250 | 6,145,313 | 0.3313 | 0.6011 | 19.92% | 80.08% | 464,740 | 92,555 | 372,185 |
| Elementary | | *Existing | 361 | 470 | 169,670 | | | | | | | | | | | | | | |
| | | *LEED | 361 | 470 | 169,670 | | | | | | | | | | | | | | |
| | | | | | **2,036,040** | | | | | | | | | | | | | | |
| **K-2 E.S. Total** | **750** | **901** | **1,261** | | **$7,112,040** | **0** | **$0** | **131,170** | **$18,187,225** | **$600,000** | **$18,787,225** | **$23,484,032** | | **0.6011** | | | **$1,776,313** | **$323,356** | **$1,452,957** |
| Lehighton Area | 931 | 1,036 | 1,145 | 6,200 | 7,099,000 | 0 | 0 | 148,940 | 6,110,250 | 250,000 | 6,360,250 | 7,950,313 | 1.0000 | 0.6011 | 60.11% | 39.89% | 601,586 | 361,613 | 239,973 |
| High School | | *Existing | 1,145 | 620 | 709,900 | | | | | | | | | | | | | | |
| | | *LEED | 1,145 | 620 | 709,900 | | | | | | | | | | | | | | |
| **H.S. Total** | **931** | **1,036** | **1,145** | | **$8,518,800** | **0** | **$0** | **148,940** | **$6,110,250** | **$250,000** | **$6,360,250** | **$7,950,313** | | **0.6011** | | | **$601,586** | **$361,613** | **$239,973** |
| **K-12 Total** | **3,326** | **3,625** | | | **$28,326,390** | **115,000** | **$20,700,000** | **398,560** | **$37,016,475** | **$2,350,000** | **$60,066,475** | **$75,083,095** | | **0.6011** | | | **$5,679,895** | **$1,262,270** | **$4,417,625** |
| District | 29 | 29 | 32 | 6,200 | 199,578 | 0 | 0 | 148,940 | 288,500 | 0 | 288,500 | 360,625 | 0.6641 | 0.6011 | 39.92% | 60.08% | 27,292 | 10,895 | 16,397 |
| Admin. Building | | *Existing | 32 | 620 | 19,958 | | | | | | | | | | | | | | |
| | | *LEED | 32 | 620 | 19,958 | | | | | | | | | | | | | | |
| **DAO Total** | **29** | **29** | **32** | | **$239,494** | **0** | **$0** | **148,940** | **$288,500** | **$0** | **$288,500** | **$360,625** | | **0.6011** | | | **$27,292** | **$10,895** | **$16,397** |

OPTION 2

## OPTION 2 NEW MIDDLE SCHOOL

| I | II | III | Proposed Building Phases |
|---|---|---|---|
| 5-8 | | | New Middle School<br>• Design as a 5-8 Middle School<br>• Potential Grade re-alignment to a 6-8 Middle School dependent upon student enrollment projections |
| | 3-4 | | Convert Existing Middle School to Elementary School with required upgrades<br>• Grade re-alignment to 3-4 Elementary School |
| | K-2 | | New Elementary School |
| | | X | Close Existing Elementary Schools |
| | | 9-12 | Maintain High School with required upgrades.<br>• Maintain as a 9-12 High School |

**DAO**

Maintain District Administration Building with required upgrades.
- Upgrades may occur at any building phase

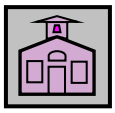
**Pros**

- Design new Middle School to accommodate educational program
- Design new Elementary School to accommodate educational program
- Re-use of existing Middle School as an Elementary School
- Simplified transportation to two Elementary Schools
- No Grade re-alignment of Elementary Schools

**Cons**

- Extensive renovations and alterations needed to existing Middle School
- Closing of four existing Elementary Schools
- Minimal alterations to High School

## PROPOSED EDUCATIONAL PROGRAM — OPTION 2

| | Building | Proposed Grade Alignment | Proposed Work | Functional Capacity DIST | Functional Capacity PDE | Highest Projected Enrollment Methods I ,II, III | Highest Projected Enrollment Current + 10% * |
|---|---|---|---|---|---|---|---|
|  | LEHIGHTON AREA NEW MIDDLE SCHOOL | 5-8 | New Construction | 895 | 1,007 | | |
| Phase I | 5-8 TOTAL | | | 895 | 1,007 | 1,013 Method II | 810 2009-19 |
|  | M.S. ELEMENTARY SCHOOL | 3-4 | Upgrades & Renovations | 500 | 500 | | |
| Phase II | 3-4 TOTAL | | | 500 | 500 | 537 Method II | 399 2009-10 |
|  | NEW ELEMENTARY SCHOOL | K-2 | New Construction | 750 | 750 | | |
|  | EAST PENN ELEMENTARY SCHOOL | | Close | | | | |
|  | FRANKLIN ELEMENTARY SCHOOL | | Close | | | | |
|  | MAHONING ELEMENTARY SCHOOL | | Close | | | | |
|  | SHULL-DAVID ELEMENTARY SCHOOL | | Close | | | | |
| Phase II | K-2 TOTAL | | | 750 | 750 | 859 Method II | 631 2009-10 |
|  | LEHIGHTON AREA HIGH SCHOOL | 9-12 | Upgrades & Renovations | 931 | 931 | | |
| Phase III | 9-12 TOTAL | | | 931 | 931 | 902 Method II | 861 2009-10 |
| | K-12 TOTAL | | | 3,076 | 3,188 | 3,311 Method II | 2,702 2009-10 |

* PDE allows 2009/10 or 2010/11 Current Enrollment + 10% to be used as Highest Projected Enrollment for Project Grades.

## Proposed Option Costs - Option 2 New Middle School

| | | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|---|
| | Lehighton Area M.S. | $7,895,910 | $20,700,000 | $0 | $0 | $20,700,000 | $25,875,000 | $359,038 | $1,598,327 |
| **Phase I** | **M.S. Total** | **$7,895,910** | **$20,700,000** | **$0** | **$0** | **$20,700,000** | **$25,875,000** | **$359,038** | **$1,598,327** |
| | M.S. as E.S. | $4,799,640 | $0 | $12,719,000 | $1,250,000 | $13,969,000 | $17,461,250 | $218,231 | $1,102,567 |
| **Phase II** | **E.S. Total** | **$4,799,640** | **$0** | **$12,719,000** | **$1,250,000** | **$13,969,000** | **$17,461,250** | **$218,231** | **$1,102,567** |
| | New E.S. | $5,831,760 | $16,920,000 | $0 | $0 | $16,920,000 | $21,150,000 | $265,168 | $1,334,705 |
| | East Penn E.S. | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| | Franklin E.S. | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| | Mahoning E.S. | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| | Shull-David E.S. | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Phase II** | **E.S. Total** | **$5,831,760** | **$16,920,000** | **$0** | **$16,920,000** | **$16,920,006** | **$21,150,000** | **$265,168** | **$1,334,705** |
| | Lehighton Area H.S. | $8,875,920 | $0 | $6,110,250 | $250,000 | $6,360,250 | $7,950,313 | $361,613 | $239,973 |
| **Phase III** | **H.S. Total** | **$8,875,920** | **$0** | **$6,110,250** | **$250,000** | **$6,360,250** | **$7,950,313** | **$361,613** | **$239,973** |
| | **DAO Total** | **$239,494** | **$0** | **$288,500** | **$0** | **$288,500** | **$360,625** | **$10,895** | **$16,397** |

# PROPOSED BUILDING CAPACITY

## K-4 ELEMENTARY SCHOOLS -- OPTION 2

| | EAST PENN ELEMENTARY | | | | | FRANKLIN ELEMENTARY | | | | | MAHONING ELEMENTARY | | | | | SHULL-DAVID ELEMENTARY | | | | | NEW E.S. | | | | LEHIGHTON AREA MIDDLE SCHOOL as E.S. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING K-4 | | | | CLOSE | EXISTING K-4 | | | | CLOSE | EXISTING K-4 | | | | CLOSE | EXISTING K-4 | | | | CLOSE | PROPOSED K-2 | | | | EXISTING 5-8 | | | | PROPOSED 3-4 E.S. | | | | PROPOSED 3-5 E.S. | | | |
| | | | Capacity | | | | | Capacity | | | | | Capacity | | | | | Capacity | | | | | Capacity | | | | Capacity | | | | Capacity | | | |
| Educational Space | No. | Area | Total | PDE | | No. | Area | Total | PDE | | No. | Area | Total | PDE | | No. | Area | Total | PDE | | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE |
| Kindergarten Clsrm | 2 | 800 | 1,600 | 50 | | 4 | 880 | 3,520 | 100 | | 2 | 780 | 1,560 | 50 | | 4 | 980 | 3,920 | 100 | | 10 | 850 | 8,500 | 250 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| First Grade Clsrm | 1 | 840 | 840 | 25 | | 3 | 765 | 2,295 | 75 | | 2 | 860 | 1,720 | 50 | | 2 | 910 | 1,820 | 50 | | 10 | 850 | 8,500 | 250 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Second Grade Clsrm | 2 | 870 | 1,740 | 50 | | 3 | 800 | 2,400 | 75 | | 2 | 860 | 1,720 | 50 | | 4 | 975 | 3,900 | 100 | | 10 | 850 | 8,500 | 250 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Third Grade Clsrm | 1 | 870 | 870 | 25 | | 3 | 900 | 2,700 | 75 | | 2 | 860 | 1,720 | 50 | | 2 | 910 | 1,820 | 50 | | | | 0 | 0 | | | 0 | 0 | 10 | 850 | 8,500 | 250 | 10 | 850 | 8,500 | 250 |
| Fourth Grade Clsrm | 1 | 760 | 760 | 25 | | 2 | 900 | 1,800 | 50 | | 2 | 860 | 1,720 | 50 | | 2 | 910 | 1,820 | 50 | | | | 0 | 0 | | | 0 | 0 | 10 | 850 | 8,500 | 250 | 10 | 850 | 8,500 | 250 |
| Fifth Grade Clsrm | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | 6 | 840 | 5,040 | 150 | | | 0 | 0 | 10 | 850 | 8,500 | 250 |
| Sixth Grade Clsrm | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | 3 | 860 | 2,580 | 75 | | | 0 | 0 | | | 0 | 0 |
| Seventh Grade Clsrm | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | 6 | 840 | 5,040 | 150 | | | 0 | 0 | | | 0 | 0 |
| Eighth Grade Clsrm | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | 6 | 860 | 5,160 | 150 | | | 0 | 0 | | | 0 | 0 |
| Support Clsrm 660+ SF | | | 0 | 0 | | | | 0 | 0 | | 1 | 780 | 780 | 25 | | | | 0 | 0 | | 6 | 850 | 5,100 | 150 | 1 | 1,050 | 1,050 | 25 | 10 | 850 | 8,500 | 250 | 4 | 850 | 3,400 | 100 |
| Pre Kindergarten | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Modular Clsrm | | | | | | 1 Fourth Grade | | | | | | | | | | 1 Third Grade | | | | | | | | | 4 *3 6th Gr Clsrm & 1 Clsrm | | | | | | | | | | | |
| Special Education Clsrm. | 2 | 780 | 1,560 | | | 2 | 900 | 1,800 | | | 1 | 780 | 780 | | | 2 | 870 | 1,740 | | | 6 | 850 | 5,100 | | 3 | 860 | 2,580 | | 6 | 850 | 5,100 | | 6 | 850 | 5,100 | |
| I.U. / S.E. Clsrm | 1 | 800 | 800 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | 1 | 840 | 840 | | 1 | 850 | 850 | | 1 | 850 | 850 | |
| Spec. Educ. Seminar / S.G.I. | | | 0 | | | 1 | 420 | 420 | | | | | 0 | | | 1 | 200 | 200 | | | 1 | 400 | 400 | | 6 | 350 | 2,100 | | 1 | 400 | 400 | | 1 | 400 | 400 | |
| Media Center | 1 | 865 | 865 | | | 1 | 1,300 | 1,300 | | | 1 | 840 | 840 | | | 1 | 1,170 | 1,170 | | | 1 | 3,000 | 3,000 | | 1 | 2,260 | 2,260 | | 1 | 3,000 | 3,000 | | 1 | 3,000 | 3,000 | |
| S.G.I. / Student Activity | 3 | 125 | 375 | | | 4 | 240 | 960 | | | 1 | 335 | 335 | | | 4 | 305 | 1,220 | | | 2 | 400 | 800 | | | | 0 | | 4 | 850 | 3,400 | | 2 | 350 | 700 | |
| Large Group Instruction | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Classroom | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | 4 | 840 | 3,360 | 100 | | | 0 | | | | 0 | |
| Science Lab | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | 4 | 1,120 | 4,480 | 80 | | | 0 | | | | 0 | |
| Sci Proj Rm / Greenhouse | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Business / Computer Lab | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Computer Lab | 1 | 420 | 420 | | | 1 | 400 | 400 | | | 1 | 350 | 350 | | | 1 | 325 | 325 | | | 2 | 900 | 1,800 | | 2 | 890 | 1,780 | 40 | 2 | 890 | 1,780 | | 2 | 890 | 1,780 | |
| Art Classroom | 1 | 830 | 830 | | | 1 | 900 | 900 | | | 1 | 860 | 860 | | | 1 | 825 | 825 | | | 2 | 1,000 | 2,000 | | 2 | 1,155 | 2,310 | 40 | 2 | 1,155 | 2,310 | | 2 | 1,155 | 2,310 | |
| Music Classroom | Share w/ Art | | | | | Share w/ Art | | | | | Share w/ Art | | | | | Share w/ Art | | | | | 1 | 1,000 | 1,000 | | 1 | 850 | 850 | 25 | | | 0 | | | | 0 | |
| Band / Orchestra / Choral | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | 1 | 1,250 | 1,250 | 25 | 1 | 1,250 | 1,250 | | 1 | 1,250 | 1,250 | |
| Music S.G.I. | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Family & Consumer Science | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | 1 | 1,700 | 1,700 | 20 | | | 0 | | | | 0 | |
| TE Shop | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | 2 | 2,130 | 4,260 | 40 | | | 0 | | | | 0 | |
| Gymnasium 6500+ SF | 1 | 1,660 | 1,660 | | | 1 | 3,900 | 3,900 | | | 1 | 1,720 | 1,720 | | | 1 | 2,550 | 2,550 | | | 1 | 3,000 | 3,000 | | 1 | 10,620 | 10,620 | 99 | 1 | 10,620 | 10,620 | | 1 | 10,620 | 10,620 | |
| Adaptive Gym / Wrestling | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | 1 | 1,415 | 1,415 | | 1 | 1,415 | 1,415 | | 1 | 1,415 | 1,415 | |
| Locker Room / Team Room | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | 2 | 1,445 | 2,890 | | 2 | 1,445 | 2,890 | | 2 | 1,445 | 2,890 | |
| Officials / P.E. Office | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | 3 | 190 | 570 | | 2 | 190 | 380 | | 2 | 190 | 380 | |
| Stage / Platform | 1 | 400 | 400 | | | 1 | 660 | 660 | | | 1 | 360 | 360 | | | 1 | 420 | 420 | | | 1 | 1,000 | 1,000 | | 1 | 1,600 | 1,600 | | 1 | 1,600 | 1,600 | | 1 | 1,600 | 1,600 | |
| Auditorium | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | 1 | 6,430 | 6,430 | | 1 | 6,430 | 6,430 | | 1 | 6,430 | 6,430 | |
| Student Dining | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | | 1 | 4,000 | 4,000 | | 1 | 2,900 | 2,900 | | 1 | 4,000 | 4,000 | | 1 | 4,000 | 4,000 | |
| Kitchen Areas | 1 | 650 | 650 | | | 1 | 1,000 | 1,000 | | | 1 | 735 | 735 | | | 1 | 1,155 | 1,155 | | | 1 | 2,400 | 2,400 | | 1 | 1,930 | 1,930 | | 1 | 2,400 | 2,400 | | 1 | 2,400 | 2,400 | |
| Administration / Guidance | 1 | 460 | 460 | | | 1 | 750 | 750 | | | 1 | 800 | 800 | | | 1 | 1,100 | 1,100 | | | 1 | 2,400 | 2,400 | | 1 | 2,140 | 2,140 | | 1 | 3,000 | 3,000 | | 1 | 3,000 | 3,000 | |
| Health Suite | 1 | 435 | 435 | | | 1 | 470 | 470 | | | 1 | 430 | 430 | | | 1 | 530 | 530 | | | 1 | 800 | 800 | | 1 | 830 | 830 | | 1 | 830 | 830 | | 1 | 830 | 830 | |
| Faculty Dining / Workroom | 1 | 515 | 515 | | | 1 | 590 | 590 | | | 1 | 400 | 400 | | | 1 | 350 | 350 | | | 1 | 800 | 800 | | 1 | 400 | 400 | | 1 | 800 | 800 | | 1 | 800 | 800 | |
| I.P.C. / Office | | | 0 | | | 1 | 250 | 250 | | | | | 0 | | | 1 | 100 | 100 | | | | | 0 | | 2 | 320 | 640 | | | | 0 | | | | 0 | |
| FUNCTIONAL CAPACITY | | | 175 | | | | | 375 | | | | | 250 | | | | | 350 | | | | | 750 | | | | 917 | | | | 500 | | | | 750 | |
| TOTAL CAPACITY | | | 175 | | | | | 375 | | | | | 275 | | | | | 350 | | | | | 900 | | | | 917 | | | | 750 | | | | 850 | |
| SPEC. EDUC. CAPACITY | | | 75 | | | | | 75 | | | | | 25 | | | | | 50 | | | | | 175 | | | | 125 | | | | 200 | | | | 200 | |
| SCHEDULED AREA | | | 14,780 | | | | | 26,115 | | | | | 16,830 | | | | | 24,965 | | | | | 59,100 | | | | 79,005 | | | | 77,955 | | | | 78,655 | |
| ARCHITECTURAL AREA | | | 24,270 | | | | | 39,915 | | | | | 28,470 | | | | | 38,515 | | | | | 94,000 | | | | 118,450 | | | | 118,450 | | | | 118,450 | |
| NEW ARCHITECTURAL AREA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 118,450 | | | | 118,450 | |
| CLSRM COUNT | 7 | | | | | 15 | | | | | 11 | | | | | 14 | | | | | 36 | | | | 22 (+4 Modular Clsrms) | | | | 30 | | | | 34 | | | |
| S.E. COUNT | 3 | | | | | 2 | | | | | 1 | | | | | 2 | | | | | 6 | | | | 4 | | | | 7 | | | | 7 | | | |
| OTHER | 1 | | | | | 1 | | | | | 1 | | | | | 1 | | | | | 5 | | | | 17 (+4 Clsrms FCS/TE) | | | | 9 | | | | 5 | | | |
| TOTAL | 11 | | | | | 18 | | | | | 13 | | | | | 17 | | | | | 47 | | | | 43 (+4 Clsrms FCS/TE) | | | | 46 | | | | 46 | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.64 | | | | | 1.53 | | | | | 1.69 | | | | | 1.54 | | | | | 1.59 | | | | 1.50 | | | | 1.52 | | | | 1.51 | |

| | 5-8 LEHIGHTON AREA MIDDLE SCHOOL | | | | | | | | | | 9-12 LEHIGHTON AREA HIGH SCHOOL | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING 5-8 | | | | | PROPOSED 5-8 New M.S. | | | | | EXISTING 9-12 | | | | | PROPOSED 9-12 | | | | |
| Educational Space | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE |
| Fifth Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Sixth Grade Reg Clsrm 660+ SF | 3 | 860 | 2,580 | 75 | 75 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Seventh Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Eighth Grade Reg Clsrm 660+ SF | 6 | 860 | 5,160 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| 9-12 Lang Arts Reg Clsrm 660+ SF | | | | | | | | | | | 7 | 830 | 5,810 | 175 | 175 | 7 | 830 | 5,810 | 175 | 175 |
| 9-12 F Lang Reg Clsrm 660+ SF | | | | | | | | | | | 2 | 830 | 1,660 | 50 | 50 | 2 | 830 | 1,660 | 50 | 50 |
| 9-12 Math Reg Clsrm 660+ SF | | | | | | | | | | | 5 | 780 | 3,900 | 125 | 125 | 5 | 780 | 3,900 | 125 | 125 |
| 9-12 Soc St Reg Clsrm 660+ SF | | | | | | | | | | | 6 | 780 | 4,680 | 150 | 150 | 6 | 780 | 4,680 | 150 | 150 |
| Reg Clsrm 660+ SF | 1 | 1,050 | 1,050 | 25 | 25 | 2 | 800 | 1,600 | 50 | 50 | 1 | 780 | 780 | 25 | 25 | 1 | 780 | 780 | 25 | 25 |
| Modular Clsrm | 4 | 3 Sixth Gr Clsrm & 1 Reg Clsrm | | | | | | | | | | | | | | | | | | |
| Special Education Clsrm. | 3 | 860 | 2,580 | | | 3 | 800 | 2,400 | | | 7 | 735 | 5,145 | | | 7 | 735 | 5,145 | | |
| Special Education Clsrm. (Divided) | | | 0 | | | 3 | 800 | 2,400 | | | | | 0 | | | | | 0 | | |
| I.U. / S.E. Clsrm | 1 | 840 | 840 | | | 1 | 800 | 800 | | | | | | | | | | | | |
| Spec. Educ. Seminar / S.G.I. | 6 | 350 | 2,100 | | | 1 | 400 | 400 | | | | | 0 | | | | | 0 | | |
| Media Center | 1 | 2,260 | 2,260 | | | 1 | 3,000 | 3,000 | | | 1 | 2,630 | 2,630 | | | 1 | 2,630 | 2,630 | | |
| T.V. Studio | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 1 | 500 | 500 | | | 1 | 500 | 500 | | |
| S.G.I. / Student Activity | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Large Group Instruction | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Science Classroom | 4 | 840 | 3,360 | 100 | 100 | 4 | 800 | 3,200 | 100 | 100 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Science Lab | 4 | 1,120 | 4,480 | 80 | 80 | 4 | 1,000 | 4,000 | 80 | 80 | 7 | 1,100 | 7,700 | 140 | 140 | 7 | 1,100 | 7,700 | 140 | 140 |
| Sci Proj Rm / Greenhouse | | | 0 | | | | | 0 | | | 3 | 275 | 825 | | | 3 | 275 | 825 | | |
| Business / Computer Lab | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 4 | 1,100 | 4,400 | 80 | 80 | 4 | 1,100 | 4,400 | 80 | 80 |
| Computer Lab | 2 | 890 | 1,780 | 40 | 40 | 2 | 800 | 1,600 | 40 | 40 | 1 | 745 | 745 | 20 | 20 | 1 | 745 | 745 | 20 | 20 |
| Art Classroom | 2 | 1,155 | 2,310 | 40 | 40 | 2 | 1,000 | 2,000 | 40 | 40 | 1 | 1,470 | 1,470 | 20 | 20 | 1 | 1,470 | 1,470 | 20 | 20 |
| Music Classroom | 1 | 850 | 850 | 25 | 25 | 1 | 800 | 800 | 25 | 25 | 1 | 850 | 850 | 25 | 25 | 1 | 850 | 850 | 25 | 25 |
| Band / Orchestra / Choral | 1 | 1,250 | 1,250 | 25 | 25 | 1 | 1,200 | 1,200 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 |
| Family & Consumer Science | 1 | 1,700 | 1,700 | 20 | 20 | 1 | 1,600 | 1,600 | 20 | 20 | 2 | 1,185 | 2,370 | 40 | 40 | 2 | 1,185 | 2,370 | 40 | 40 |
| TE Shop | 2 | 2,130 | 4,260 | 40 | 40 | 2 | 1,800 | 3,600 | 40 | 40 | 3 | 2,415 | 7,245 | 60 | 60 | 3 | 2,415 | 7,245 | 60 | 60 |
| Gymnasium 6500+ SF | 1 | 10,620 | 10,620 | 99 | 99 | 1 | 9,000 | 9,000 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 |
| Adaptive Gym / Wrestling 1000+ SF | 1 | 1,415 | 1,415 | | | 1 | 1,400 | 1,400 | | | 1 | 1,680 | 1,680 | | | 1 | 1,680 | 1,680 | | |
| Locker Room / Team Room | 2 | 1,445 | 2,890 | | | 2 | 800 | 1,600 | | | 2 | 870 | 1,740 | | | 2 | 870 | 1,740 | | |
| Wrestling / Weight Rm | | | 0 | | | | | 0 | | | 1 | 1,650 | 1,650 | | | 1 | 1,650 | 1,650 | | |
| Training Room / Whirlpool | | | 0 | | | | | 0 | | | 2 | 100 | 200 | | | 2 | 100 | 200 | | |
| Officials / P.E. Office | 3 | 190 | 570 | | | 2 | 150 | 300 | | | 2 | 70 | 140 | | | 2 | 70 | 140 | | |
| Stage / Platform | 1 | 1,600 | 1,600 | | | 1 | 1,500 | 1,500 | | | 1 | 1,930 | 1,930 | | | 1 | 1,930 | 1,930 | | |
| Auditorium | 1 | 6,430 | 6,430 | | | | | 0 | | | 1 | 9,000 | 9,000 | | | 1 | 9,000 | 9,000 | | |
| Student Dining | 1 | 2,900 | 2,900 | | | 1 | 4,000 | 4,000 | | | 1 | 5,100 | 5,100 | | | 1 | 5,100 | 5,100 | | |
| Kitchen Areas | 1 | 1,930 | 1,930 | | | 1 | 2,500 | 2,500 | | | 1 | 4,270 | 4,270 | | | 1 | 4,270 | 4,270 | | |
| Administration / Guidance | 1 | 2,140 | 2,140 | | | 1 | 2,400 | 2,400 | | | 1 | 3,860 | 3,860 | | | 1 | 3,860 | 3,860 | | |
| Health Suite | 1 | 830 | 830 | | | 1 | 800 | 800 | | | 1 | 660 | 660 | | | 1 | 660 | 660 | | |
| Faculty Dining / Workroom | 1 | 400 | 400 | | | 1 | 800 | 800 | | | 2 | 575 | 1,150 | | | 2 | 575 | 1,150 | | |
| I.P.C. / Office | 2 | 320 | 640 | | | 1 | 400 | 400 | | | 3 | 185 | 555 | | | 3 | 185 | 555 | | |
| FUNCTIONAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 931 | 931 | | | | 931 | 931 |
| TOTAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 931 | 931 | | | | 931 | 931 |
| SPEC. EDUC. CAPACITY | | | | 50 | 125 | | | | 80 | 200 | | | | 70 | 175 | | | | 70 | 175 |
| SCHEDULED AREA | | | 79,005 | SF | | | | 72,500 | SF | | | | 78,145 | SF | | | | 78,145 | SF | |
| ARCHITECTURAL AREA | | | 118,450 | SF | | | | 115,000 | SF | | | | 148,940 | SF | | | | 148,940 | SF | |
| NEW ARCHITECTURAL AREA | | | | | | | | 115,000 | SF | | | | | | | | | 0 | SF | |

| | | | | |
|---|---|---|---|---|
| CLSRM COUNT | 26 (4 Modular Clsrms) | 26 | 21 | 21 |
| S.E. COUNT | 4 | 7 | 7 | 7 |
| TOTAL | 30 | 33 | 28 | 28 |
| ADDITIONAL CLASSROOMS | | | | |
| S.A. / ARCH. AREA FACTOR | 1.499 | 1.586 | 1.906 | 1.906 |

## PROJECTED REIMBURSEMENT

## OPTION 2

| | Dist Bldg. FTE | PDE Adj. New FTE | RPC | ** Reimb. Factor | Max Elig. Reimb. | Constr. New S.F. | Constr. Cost for Additions | Renov. Exist. S.F. | Renov. Study Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | ** % M.E.R. to T.P.C. | Aid Ratio | % State Share | % Local Share | + Annual Total Share | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lehighton Area Middle School | 895 | 535 | 745 | 4,700 | 3,501,500 | 115,000 | 20,700,000 | 0 | 0 | 0 | 20,700,000 | 25,875,000 | 0.3052 | 0.6011 | 18.34% | 81.66% | 1,957,365 | 359,038 | 1,598,327 |
| | | *Existing | 0 | 470 | 0 | | | | | | | | | | | | | | |
| | | *LEED | 745 | 470 | 350,150 | | | | | | | | | | | | | | |
| | | 534 | 593 | 6,200 | 3,676,600 | | | | | | | | | | | | | | |
| | | *Existing | 0 | 620 | 0 | | | | | | | | | | | | | | |
| | | *LEED | 593 | 620 | 367,660 | | | | | | | | | | | | | | |
| **M.S. Total** | **895** | **1,069** | **1,338** | | **$7,895,910** | **115,000** | **$20,700,000** | **0** | **$0** | **$0** | **$20,700,000** | **$25,875,000** | | **0.6011** | | | **$1,957,365** | **$359,038** | **$1,598,327** |
| M.S. as Elementary | 750 | 619 | 851 | 4,700 | 3,999,700 | 0 | 0 | 118,450 | 12,719,000 | 1,250,000 | 13,969,000 | 17,461,250 | 0.2749 | 0.6011 | 16.52% | 83.48% | 1,320,798 | 218,231 | 1,102,567 |
| | | *Existing | 851 | 470 | 399,970 | | | | | | | | | | | | | | |
| | | *LEED | 851 | 470 | 399,970 | | | | | | | | | | | | | | |
| **3-4 E.S. Total** | **750** | **619** | **851** | | **$4,799,640** | **0** | **$0** | **118,450** | **$12,719,000** | **$1,250,000** | **$13,969,000** | **$17,461,250** | | **0.6011** | | | **$1,320,798** | **$218,231** | **$1,102,567** |
| New Elementary | 750 | 851 | 1,128 | 4,700 | 5,301,600 | 94,000 | 16,920,000 | 0 | 0 | 0 | 16,920,000 | 21,150,000 | 0.2757 | 0.6011 | 16.57% | 83.43% | 1,599,873 | 265,168 | 1,334,705 |
| | | *Existing | | 470 | 0 | | | | | | | | | | | | | | |
| | | *LEED | 1,128 | 470 | 530,160 | | | | | | | | | | | | | | |
| | | | | | **5,831,760** | | | | | | | | | | | | | | |
| East Penn Elementary | 0 | 0 | 0 | 4,700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0000 | 0.6011 | 0.00% | 100.00% | 0 | 0 | 0 |
| | | *Existing | 0 | 470 | 0 | | | | | | | | | | | | | | |
| | | *LEED | 0 | 470 | 0 | | | | | | | | | | | | | | |
| Franklin Elementary | 0 | 0 | 0 | 4,700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0000 | 0.6011 | 0.00% | 100.00% | 0 | 0 | 0 |
| | | *Existing | 0 | 470 | 0 | | | | | | | | | | | | | | |
| | | *LEED | 0 | 470 | 0 | | | | | | | | | | | | | | |
| Mahoning Elementary | 0 | 0 | 0 | 4,700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0000 | 0.6011 | 0.00% | 100.00% | 0 | 0 | 0 |
| | | *Existing | 0 | 470 | 0 | | | | | | | | | | | | | | |
| | | *LEED | 0 | 470 | 0 | | | | | | | | | | | | | | |
| Shull-David Elementary | 0 | 0 | 0 | 4,700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0000 | 0.6011 | 0.00% | 100.00% | 0 | 0 | 0 |
| | | *Existing | 0 | 470 | 0 | | | | | | | | | | | | | | |
| | | *LEED | 0 | 470 | 0 | | | | | | | | | | | | | | |
| **K-2 E.S. Total** | **750** | **851** | **1,128** | | **$5,831,760** | **94,900** | **$16,920,000** | **0** | **$0** | **$16,920,000** | **$16,920,006** | **$21,150,000** | | **0.6011** | | | **$1,599,873** | **$265,168** | **$1,334,705** |
| Lehighton Area High School | 931 | 1,080 | 1,193 | 6,200 | 7,396,600 | 0 | 0 | 148,940 | 6,110,250 | 250,000 | 6,360,250 | 7,950,313 | 1.0000 | 0.6011 | 60.11% | 39.89% | 601,586 | 361,613 | 239,973 |
| | | *Existing | 1,193 | 620 | 739,660 | | | | | | | | | | | | | | |
| | | *LEED | 1,193 | 620 | 739,660 | | | | | | | | | | | | | | |
| **H.S. Total** | **931** | **1,080** | **1,193** | | **$8,875,920** | **0** | **$0** | **148,940** | **$6,110,250** | **$250,000** | **$6,360,250** | **$7,950,313** | | **0.6011** | | | **$601,586** | **$361,613** | **$239,973** |
| **K-12 Total** | **3,326** | **3,619** | | | **$27,403,230** | **209,900** | **$37,620,000** | **267,390** | **$18,829,250** | **$18,420,000** | **$57,949,256** | **$72,436,563** | | **0.6011** | | | **$5,479,622** | **$1,204,050** | **$4,275,572** |
| District Admin. Building | 29 | 29 | 32 | 6,200 | 199,578 | 0 | 0 | 148,940 | 288,500 | 0 | 288,500 | 360,625 | 0.6641 | 0.6011 | 39.92% | 60.08% | 27,292 | 10,895 | 16,397 |
| | | *Existing | 32 | 620 | 19,958 | | | | | | | | | | | | | | |
| | | *LEED | 32 | 620 | 19,958 | | | | | | | | | | | | | | |
| **DAO Total** | **29** | **29** | **32** | | **$239,494** | **0** | **$0** | **148,940** | **$288,500** | **$0** | **$288,500** | **$360,625** | | **0.6011** | | | **$27,292** | **$10,895** | **$16,397** |

## OPTION 3 NEW MIDDLE SCHOOL

| I | II | III | Proposed Building Phases |
|---|---|---|---|
| 5-8 | | | New Middle School.<br>• Design as a 5-8 Middle School<br>• Potential Grade re-alignment to a 6-8 Middle School dependent upon student enrollment projections |
| | | X | Close Existing Middle School |
| | K-4 | | Alterations & Additions to Existing Elementary Schools<br>• Maintain as K-4 Elementary Schools |
| | | 9-12 | Maintain High School with required upgrades.<br>• Maintain as a 9-12 High School |

**DAO**

Maintain District Administration Building with required upgrades.

- Upgrades may occur at any building phase

**Pros**

- Design new Middle School to accommodate educational program
- Closing of existing Middle School requiring extensive renovations
- No Grade re-alignment of Elementary Schools
- All four Elementary Schools receive equitable upgrades

**Cons**

- Construction projects effecting all four elemetary school properties.
- Decide on use or sale of existing Middle School
- Minimal alterations to High School
- No simplification of transportation to buildings

## PROPOSED EDUCATIONAL PROGRAM — OPTION 3

| | Building | Proposed Grade Alignment | Proposed Work | Functional Capacity DIST | Functional Capacity PDE | Highest Projected Enrollment Methods I ,II, III | Highest Projected Enrollment Current + 10% * |
|---|---|---|---|---|---|---|---|
| | LEHIGHTON AREA NEW MIDDLE SCHOOL | 5-8 | New Construction | 895 | 1,007 | | |
| | LEHIGHTON AREA MIDDLE SCHOOL | | Close Phase II / III | | | | |
| Phase I | 5-8 TOTAL | | | 895 | 1,007 | 1,013 Method II | 810 2009-19 |
| | EAST PENN ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 250 | 250 | | |
| | FRANKLIN ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 375 | 375 | | |
| | MAHONING ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 250 | 250 | | |
| | SHULL-DAVID ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 375 | 375 | | |
| Phase II | K-4 TOTAL | | | 1,250 | 1,250 | 1,396 Method II | 1,031 2009-10 |
| | LEHIGHTON AREA HIGH SCHOOL | 9-12 | Upgrades & Renovations | 931 | 931 | | |
| Phase III | 9-12 TOTAL | | | 931 | 931 | 902 Method II | 861 2009-10 |
| | K-12 TOTAL | | | 3,076 | 3,188 | 3,311 Method II | 2,702 2009-10 |

* PDE allows 2009/10 or 2010/11 Current Enrollment + 10% to be used as Highest Projected Enrollment for Project Grades.

## Proposed Option Costs - Option 3 New Middle School

| | | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|---|
| | Lehighton Area M.S. | $7,895,910 | $20,700,000 | $0 | $0 | $20,700,000 | $25,875,000 | $359,038 | $1,598,327 |
| | Lehighton Area M.S. | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Phase I** | **M.S. Total** | **$7,895,910** | **$20,700,000** | **$0** | **$0** | **$20,700,000** | **$25,875,000** | **$359,038** | **$1,598,327** |
| | East Penn E.S. | $2,126,280 | $2,520,000 | $3,817,950 | $550,000 | $6,887,950 | $8,609,938 | $96,664 | $554,510 |
| | Franklin E.S. | $3,389,640 | $3,150,000 | $5,367,825 | $550,000 | $9,067,825 | $11,334,781 | $154,159 | $703,437 |
| | Mahoning E.S. | $2,323,680 | $1,710,000 | $4,235,200 | $550,000 | $6,495,200 | $8,119,000 | $105,677 | $508,594 |
| | Shull-David E.S. | $3,389,640 | $3,420,000 | $4,766,250 | $550,000 | $8,736,250 | $10,920,313 | $154,129 | $671,947 |
| **Phase II** | **E.S. Total** | **$11,229,240** | **$10,800,000** | **$18,187,225** | **$2,200,000** | **$31,187,225** | **$38,984,032** | **$510,629** | **$2,438,488** |
| | Lehighton Area H.S. | $8,875,920 | $0 | $6,110,250 | $250,000 | $6,360,250 | $7,950,313 | $361,613 | $239,973 |
| **Phase III** | **H.S. Total** | **$8,875,920** | **$0** | **$6,110,250** | **$250,000** | **$6,360,250** | **$7,950,313** | **$361,613** | **$239,973** |
| | **DAO Total** | **$239,494** | **$0** | **$288,500** | **$0** | **$288,500** | **$360,625** | **$10,895** | **$16,397** |

| | EAST PENN ELEMENTARY | | | | | | | | FRANKLIN ELEMENTARY | | | | | | | | MAHONING ELEMENTARY | | | | | | | | SHULL-DAVID ELEMENTARY | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING K-4 | | | | PROPOSED K-4 | | | | EXISTING K-4 | | | | PROPOSED K-4 | | | | EXISTING K-4 | | | | PROPOSED K-4 | | | | EXISTING K-4 | | | | PROPOSED K-4 | | | |
| | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | |
| Educational Space | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | |
| Kindergarten Clsrm | 2 | 800 | 1,600 | 50 | 2 | 870 | 1,740 | 50 | 4 | 880 | 3,520 | 100 | 3 | 900 | 2,700 | 75 | 2 | 780 | 1,560 | 50 | 2 | 860 | 1,720 | 50 | 4 | 980 | 3,920 | 100 | 3 | 980 | 2,940 | 75 | |
| First Grade Clsrm | 1 | 840 | 840 | 25 | 2 | 850 | 1,700 | 50 | 3 | 765 | 2,295 | 75 | 3 | 900 | 2,700 | 75 | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 2 | 910 | 1,820 | 50 | 3 | 975 | 2,925 | 75 | |
| Second Grade Clsrm | 2 | 870 | 1,740 | 50 | 2 | 800 | 1,600 | 50 | 3 | 800 | 2,400 | 75 | 3 | 900 | 2,700 | 75 | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 4 | 975 | 3,900 | 100 | 3 | 950 | 2,850 | 75 | |
| Third Grade Clsrm | 1 | 870 | 870 | 25 | 2 | 850 | 1,700 | 50 | 3 | 900 | 2,700 | 75 | 3 | 850 | 2,550 | 75 | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 2 | 910 | 1,820 | 50 | 3 | 910 | 2,730 | 75 | |
| Fourth Grade Clsrm | 1 | 760 | 760 | 25 | 2 | 850 | 1,700 | 50 | 2 | 900 | 1,800 | 50 | 3 | 850 | 2,550 | 75 | 2 | 860 | 1,720 | 50 | 2 | 850 | 1,700 | 50 | 2 | 910 | 1,820 | 50 | 3 | 900 | 2,700 | 75 | |
| Fifth Grade Clsrm | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | |
| Support Clsrm 660+ SF | | | 0 | 0 | 2 | 800 | 1,600 | 50 | | | 0 | 0 | 3 | 850 | 2,550 | 75 | 1 | 780 | 780 | 25 | 2 | 850 | 1,700 | 50 | | | 0 | 0 | 3 | 850 | 2,550 | 75 | |
| Pre Kindergarten | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | |
| Modular Clsrm | | | | | | | | | 1 Fourth Grade | | | | | | | | | | | | | | | | 1 Third Grade | | | | | | | |
| Special Education Clsrm. | 2 | 780 | 1,560 | | 2 | 780 | 1,560 | | 2 | 900 | 1,800 | | 3 | 765 | 2,295 | | 1 | 780 | 780 | | 2 | 780 | 1,560 | | 2 | 870 | 1,740 | | 3 | 870 | 2,610 | | |
| I.U. / S.E. Clsrm | 1 | 800 | 800 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | 1 | 780 | 780 | | | | 0 | | | | 0 | | |
| Spec. Educ. Seminar / S.G.I. | | | 0 | | | | 0 | | 1 | 420 | 420 | | 2 | 400 | 800 | | | | 0 | | | | 0 | | 1 | 200 | 200 | | 2 | 400 | 800 | | |
| Media Center | 1 | 865 | 865 | | 1 | 1,250 | 1,250 | | 1 | 1,300 | 1,300 | | 1 | 1,600 | 1,600 | | 1 | 840 | 840 | | 1 | 1,250 | 1,250 | | 1 | 1,170 | 1,170 | | 1 | 1,600 | 1,600 | | |
| S.G.I. / Student Activity | 3 | 125 | 375 | | 4 | 425 | 1,700 | | 4 | 240 | 960 | | 6 | 425 | 2,550 | | 1 | 335 | 335 | | 2 | 425 | 850 | | 4 | 305 | 1,220 | | 6 | 425 | 2,550 | | |
| Large Group Instruction | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Science Classroom | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Science Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Sci Proj Rm / Greenhouse | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Business / Computer Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Computer Lab | 1 | 420 | 420 | | 1 | 800 | 800 | | 1 | 400 | 400 | | 1 | 800 | 800 | | 1 | 350 | 350 | | 1 | 800 | 800 | | 1 | 325 | 325 | | 1 | 800 | 800 | | |
| Art Classroom | 1 | 830 | 830 | | 1 | 830 | 830 | | 1 | 900 | 900 | | 1 | 900 | 900 | | 1 | 860 | 860 | | 1 | 860 | 860 | | 1 | 825 | 825 | | 1 | 910 | 910 | | |
| Music Classroom | Share w/ Art | | | | 1 | 850 | 850 | | Share w/ Art | | | | 1 | 850 | 850 | | Share w/ Art | | | | 1 | 850 | 850 | | Share w/ Art | | | | 1 | 850 | 850 | | |
| Band / Orchestra / Choral | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Music S.G.I. | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Family & Consumer Science | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| TE Shop | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Gymnasium 6500+ SF | 1 | 1,660 | 1,660 | | 1 | 1,660 | 1,660 | | 1 | 3,900 | 3,900 | | 1 | 3,900 | 3,900 | | 1 | 1,720 | 1,720 | | 1 | 1,720 | 1,720 | | 1 | 2,550 | 2,550 | | 1 | 2,550 | 2,550 | | |
| Adaptive Gym / Wrestling | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Locker Room / Team Room | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Officials / P.E. Office | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Stage / Platform | 1 | 400 | 400 | | 1 | 400 | 400 | | 1 | 660 | 660 | | 1 | 660 | 660 | | 1 | 360 | 360 | | 1 | 360 | 360 | | 1 | 420 | 420 | | 1 | 420 | 420 | | |
| Auditorium | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Student Dining | | | 0 | | 1 | 1,500 | 1,500 | | | | 0 | | 1 | 2,200 | 2,200 | | | | 0 | | 1 | 1,500 | 1,500 | | | | 0 | | 1 | 2,200 | 2,200 | | |
| Kitchen Areas | 1 | 650 | 650 | | 1 | 900 | 900 | | 1 | 1,000 | 1,000 | | 1 | 1,200 | 1,200 | | 1 | 735 | 735 | | 1 | 900 | 900 | | 1 | 1,155 | 1,155 | | 1 | 1,155 | 1,155 | | |
| Administration / Guidance | 1 | 460 | 460 | | 1 | 800 | 800 | | 1 | 750 | 750 | | 1 | 1,200 | 1,200 | | 1 | 800 | 800 | | 1 | 800 | 800 | | 1 | 1,100 | 1,100 | | 1 | 1,200 | 1,200 | | |
| Health Suite | 1 | 435 | 435 | | 1 | 600 | 600 | | 1 | 470 | 470 | | 1 | 600 | 600 | | 1 | 430 | 430 | | 1 | 600 | 600 | | 1 | 530 | 530 | | 1 | 600 | 600 | | |
| Faculty Dining / Workroom | 1 | 515 | 515 | | 1 | 800 | 800 | | 1 | 590 | 590 | | 1 | 800 | 800 | | 1 | 400 | 400 | | 1 | 800 | 800 | | 1 | 350 | 350 | | 1 | 800 | 800 | | |
| I.P.C. / Office | | | 0 | | | | 0 | | 1 | 250 | 250 | | | | 0 | | | | 0 | | | | 0 | | 1 | 100 | 100 | | | | 0 | | |
| FUNCTIONAL CAPACITY | | | 175 | | | | 250 | | | | 375 | | | | 375 | | | | 250 | | | | 250 | | | | 350 | | | | 375 | | |
| TOTAL CAPACITY | | | 175 | | | | 300 | | | | 375 | | | | 450 | | | | 275 | | | | 300 | | | | 350 | | | | 450 | | |
| SPEC. EDUC. CAPACITY | | | 75 | | | | 50 | | | | 75 | | | | 100 | | | | 25 | | | | 75 | | | | 50 | | | | 100 | | |
| SCHEDULED AREA | | | 14,780 | | | | 23,690 | | | | 26,115 | | | | 36,105 | | | | 16,830 | | | | 23,910 | | | | 24,965 | | | | 35,740 | | |
| ARCHITECTURAL AREA | | | 24,270 | | | | 38,270 | | | | 39,915 | | | | 57,415 | | | | 28,470 | | | | 37,970 | | | | 38,515 | | | | 56,970 | | |
| NEW ARCHITECTURAL AREA | | | | | | | 14,000 | | | | | | | | 17,500 | | | | | | | | 9,500 | | | | | | | | 19,000 | | |
| CLSRM COUNT | 7 | | | | 12 | | | | 15 | | | | 18 | | | | 11 | | | | 12 | | | | 14 | | | | 18 | | | | |
| S.E. COUNT | 3 | | | | 2 | | | | 2 | | | | 3 | | | | 1 | | | | 3 | | | | 2 | | | | 3 | | | | |
| OTHER | 1 | | | | 3 | | | | 1 | | | | 3 | | | | 1 | | | | 3 | | | | 1 | | | | 2 | | | | |
| TOTAL | 11 | | | | 17 | | | | 18 | | | | 24 | | | | 13 | | | | 18 | | | | 17 | | | | 23 | | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.64 | | | | 1.62 | | | | 1.53 | | | | 1.59 | | | | 1.69 | | | | 1.59 | | | | 1.54 | | | | 1.59 | | |

| | 5-8 LEHIGHTON AREA MIDDLE SCHOOL | | | | | | | | | | 9-12 LEHIGHTON AREA HIGH SCHOOL | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING 5-8 | | | | | PROPOSED 5-8 New M.S. | | | | | EXISTING 9-12 | | | | | PROPOSED 9-12 | | | | |
| Educational Space | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE |
| Fifth Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Sixth Grade Reg Clsrm 660+ SF | 3 | 860 | 2,580 | 75 | 75 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Seventh Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Eighth Grade Reg Clsrm 660+ SF | 6 | 860 | 5,160 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| 9-12 Lang Arts Reg Clsrm 660+ SF | | | | | | | | | | | 7 | 830 | 5,810 | 175 | 175 | 7 | 830 | 5,810 | 175 | 175 |
| 9-12 F Lang Reg Clsrm 660+ SF | | | | | | | | | | | 2 | 830 | 1,660 | 50 | 50 | 2 | 830 | 1,660 | 50 | 50 |
| 9-12 Math Reg Clsrm 660+ SF | | | | | | | | | | | 5 | 780 | 3,900 | 125 | 125 | 5 | 780 | 3,900 | 125 | 125 |
| 9-12 Soc St Reg Clsrm 660+ SF | | | | | | | | | | | 6 | 780 | 4,680 | 150 | 150 | 6 | 780 | 4,680 | 150 | 150 |
| Reg Clsrm 660+ SF | 1 | 1,050 | 1,050 | 25 | 25 | 2 | 800 | 1,600 | 50 | 50 | 1 | 780 | 780 | 25 | 25 | 1 | 780 | 780 | 25 | 25 |
| Modular Clsrm | 4 | 3 Sixth Gr Clsrm & 1 Reg Clsrm | | | | | | | | | | | | | | | | | | |
| Special Education Clsrm. | 3 | 860 | 2,580 | | | 3 | 800 | 2,400 | | | 7 | 735 | 5,145 | | | 7 | 735 | 5,145 | | |
| Special Education Clsrm. (Divided) | | | 0 | | | 3 | 800 | 2,400 | | | | | 0 | | | | | 0 | | |
| I.U. / S.E. Clsrm | 1 | 840 | 840 | | | 1 | 800 | 800 | | | | | | | | | | | | |
| Spec. Educ. Seminar / S.G.I. | 6 | 350 | 2,100 | | | 1 | 400 | 400 | | | | | 0 | | | | | 0 | | |
| Media Center | 1 | 2,260 | 2,260 | | | 1 | 3,000 | 3,000 | | | 1 | 2,630 | 2,630 | | | 1 | 2,630 | 2,630 | | |
| T.V. Studio | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 1 | 500 | 500 | | | 1 | 500 | 500 | | |
| S.G.I. / Student Activity | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Large Group Instruction | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Science Classroom | 4 | 840 | 3,360 | 100 | 100 | 4 | 800 | 3,200 | 100 | 100 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Science Lab | 4 | 1,120 | 4,480 | 80 | 80 | 4 | 1,000 | 4,000 | 80 | 80 | 7 | 1,100 | 7,700 | 140 | 140 | 7 | 1,100 | 7,700 | 140 | 140 |
| Sci Proj Rm / Greenhouse | | | 0 | | | | | 0 | | | 3 | 275 | 825 | | | 3 | 275 | 825 | | |
| Business / Computer Lab | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 4 | 1,100 | 4,400 | 80 | 80 | 4 | 1,100 | 4,400 | 80 | 80 |
| Computer Lab | 2 | 890 | 1,780 | 40 | 40 | 2 | 800 | 1,600 | 40 | 40 | 1 | 745 | 745 | 20 | 20 | 1 | 745 | 745 | 20 | 20 |
| Art Classroom | 2 | 1,155 | 2,310 | 40 | 40 | 2 | 1,000 | 2,000 | 40 | 40 | 1 | 1,470 | 1,470 | 20 | 20 | 1 | 1,470 | 1,470 | 20 | 20 |
| Music Classroom | 1 | 850 | 850 | 25 | 25 | 1 | 800 | 800 | 25 | 25 | 1 | 850 | 850 | 25 | 25 | 1 | 850 | 850 | 25 | 25 |
| Band / Orchestra / Choral | 1 | 1,250 | 1,250 | 25 | 25 | 1 | 1,200 | 1,200 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 |
| Family & Consumer Science | 1 | 1,700 | 1,700 | 20 | 20 | 1 | 1,600 | 1,600 | 20 | 20 | 2 | 1,185 | 2,370 | 40 | 40 | 2 | 1,185 | 2,370 | 40 | 40 |
| TE Shop | 2 | 2,130 | 4,260 | 40 | 40 | 2 | 1,800 | 3,600 | 40 | 40 | 3 | 2,415 | 7,245 | 60 | 60 | 3 | 2,415 | 7,245 | 60 | 60 |
| Gymnasium 6500+ SF | 1 | 10,620 | 10,620 | 99 | 99 | 1 | 9,000 | 9,000 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 |
| Adaptive Gym / Wrestling 1000+ SF | 1 | 1,415 | 1,415 | | | 1 | 1,400 | 1,400 | | | 1 | 1,680 | 1,680 | | | 1 | 1,680 | 1,680 | | |
| Locker Room / Team Room | 2 | 1,445 | 2,890 | | | 2 | 800 | 1,600 | | | 2 | 870 | 1,740 | | | 2 | 870 | 1,740 | | |
| Wrestling / Weight Rm | | | 0 | | | | | 0 | | | 1 | 1,650 | 1,650 | | | 1 | 1,650 | 1,650 | | |
| Training Room / Whirlpool | | | 0 | | | | | 0 | | | 2 | 100 | 200 | | | 2 | 100 | 200 | | |
| Officials / P.E. Office | 3 | 190 | 570 | | | 2 | 150 | 300 | | | 2 | 70 | 140 | | | 2 | 70 | 140 | | |
| Stage / Platform | 1 | 1,600 | 1,600 | | | 1 | 1,500 | 1,500 | | | 1 | 1,930 | 1,930 | | | 1 | 1,930 | 1,930 | | |
| Auditorium | 1 | 6,430 | 6,430 | | | | | 0 | | | 1 | 9,000 | 9,000 | | | 1 | 9,000 | 9,000 | | |
| Student Dining | 1 | 2,900 | 2,900 | | | 1 | 4,000 | 4,000 | | | 1 | 5,100 | 5,100 | | | 1 | 5,100 | 5,100 | | |
| Kitchen Areas | 1 | 1,930 | 1,930 | | | 1 | 2,500 | 2,500 | | | 1 | 4,270 | 4,270 | | | 1 | 4,270 | 4,270 | | |
| Administration / Guidance | 1 | 2,140 | 2,140 | | | 1 | 2,400 | 2,400 | | | 1 | 3,860 | 3,860 | | | 1 | 3,860 | 3,860 | | |
| Health Suite | 1 | 830 | 830 | | | 1 | 800 | 800 | | | 1 | 660 | 660 | | | 1 | 660 | 660 | | |
| Faculty Dining / Workroom | 1 | 400 | 400 | | | 1 | 800 | 800 | | | 2 | 575 | 1,150 | | | 2 | 575 | 1,150 | | |
| I.P.C. / Office | 2 | 320 | 640 | | | 1 | 400 | 400 | | | 3 | 185 | 555 | | | 3 | 185 | 555 | | |
| FUNCTIONAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 931 | 931 | | | | 931 | 931 |
| TOTAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 931 | 931 | | | | 931 | 931 |
| SPEC. EDUC. CAPACITY | | | | 50 | 125 | | | | 80 | 200 | | | | 70 | 175 | | | | 70 | 175 |
| SCHEDULED AREA | | | 79,005 | SF | | | | 72,500 | SF | | | | 78,145 | SF | | | | 78,145 | SF | |
| ARCHITECTURAL AREA | | | 118,450 | SF | | | | 115,000 | SF | | | | 148,940 | SF | | | | 148,940 | SF | |
| NEW ARCHITECTURAL AREA | | | | | | | | 115,000 | SF | | | | | | | | | 0 | SF | |
| CLSRM COUNT | 26 | (4 Modular Clsrms) | | | | 26 | | | | | 21 | | | | | 21 | | | | |
| S.E. COUNT | 4 | | | | | 7 | | | | | 7 | | | | | 7 | | | | |
| TOTAL | 30 | | | | | 33 | | | | | 28 | | | | | 28 | | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.499 | | | | | 1.586 | | | | | 1.906 | | | | | 1.906 | | |

## PROJECTED REIMBURSEMENT

## OPTION 3

| | Dist Bldg. FTE | PDE Adj. New FTE | RPC | ** Reimb. Factor | Max Elig. Reimb. | Constr. New S.F. | Constr. Cost for Additions | Renov. Exist. S.F. | Renov. Study Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | ** % M.E.R. to T.P.C. | Aid Ratio | % State Share | % Local Share | + Annual Total Share | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lehighton Area Middle School | 895 | 535 | 745 | 4,700 | 3,501,500 | 115,000 | 20,700,000 | 0 | 0 | 0 | 20,700,000 | 25,875,000 | 0.3052 | 0.6011 | 18.34% | 81.66% | 1,957,365 | 359,038 | 1,598,327 |
| | | *Existing | 0 | 470 | 0 | | | | | | | | | | | | | | |
| | | *LEED | 745 | 470 | 350,150 | | | | | | | | | | | | | | |
| | | 534 | 593 | 6,200 | 3,676,600 | | | | | | | | | | | | | | |
| | | *Existing | 0 | 620 | 0 | | | | | | | | | | | | | | |
| | | *LEED | 593 | 620 | 367,660 | | | | | | | | | | | | | | |
| | | | | | **7,895,910** | | | | | | | | | | | | | | |
| Lehighton Area | | 0 | 0 | 4,700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0000 | 0.6011 | 0.00% | 100.00% | 0 | 0 | 0 |
| Existing Middle School | | 0 | 0 | 6,200 | 0 | | | | | | | | | | | | | | |
| **M.S. Total** | **895** | **1,069** | **1,338** | | **$7,895,910** | **115,000** | **$20,700,000** | **0** | **$0** | **$0** | **$20,700,000** | **$25,875,000** | | **0.6011** | | | **$1,957,365** | **$359,038** | **$1,598,327** |
| East Penn Elementary | 300 | 269 | 377 | 4,700 | 1,771,900 | 14,000 | 2,520,000 | 24,270 | 3,817,950 | 550,000 | 6,887,950 | 8,609,938 | 0.2470 | 0.6011 | 14.84% | 85.16% | 651,174 | 96,664 | 554,510 |
| | | *Existing | 377 | 470 | 177,190 | | | | | | | | | | | | | | |
| | | *LEED | 377 | 470 | 177,190 | | | | | | | | | | | | | | |
| | | | | | **2,126,280** | | | | | | | | | | | | | | |
| Franklin Elementary | 450 | 429 | 601 | 4,700 | 2,824,700 | 17,500 | 3,150,000 | 39,915 | 5,367,825 | 550,000 | 9,067,825 | 11,334,781 | 0.2990 | 0.6011 | 17.98% | 82.02% | 857,596 | 154,159 | 703,437 |
| | | *Existing | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | *LEED | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | | | | **3,389,640** | | | | | | | | | | | | | | |
| Mahoning Elementary | 300 | 294 | 412 | 4,700 | 1,936,400 | 9,500 | 1,710,000 | 28,470 | 4,235,200 | 550,000 | 6,495,200 | 8,119,000 | 0.2862 | 0.6011 | 17.20% | 82.80% | 614,271 | 105,677 | 508,594 |
| | | *Existing | 412 | 470 | 193,640 | | | | | | | | | | | | | | |
| | | *LEED | 412 | 470 | 193,640 | | | | | | | | | | | | | | |
| | | | | | **2,323,680** | | | | | | | | | | | | | | |
| Shull-David Elementary | 450 | 429 | 601 | 4,700 | 2,824,700 | 19,000 | 3,420,000 | 38,515 | 4,766,250 | 550,000 | 8,736,250 | 10,920,313 | 0.3104 | 0.6011 | 18.66% | 81.34% | 826,076 | 154,129 | 671,947 |
| | | *Existing | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | *LEED | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | | | | **3,389,640** | | | | | | | | | | | | | | |
| **K-4 E.S. Total** | **1,500** | **1,421** | **1,991** | | **$11,229,240** | **60,000** | **$10,800,000** | **131,170** | **$18,187,225** | **$2,200,000** | **$31,187,225** | **$38,984,032** | | **0.6011** | | | **$2,949,117** | **$510,629** | **$2,438,488** |
| Lehighton Area High School | 931 | 1,080 | 1,193 | 6,200 | 7,396,600 | 0 | 0 | 148,940 | 6,110,250 | 250,000 | 6,360,250 | 7,950,313 | 1.0000 | 0.6011 | 60.11% | 39.89% | 601,586 | 361,613 | 239,973 |
| | | *Existing | 1,193 | 620 | 739,660 | | | | | | | | | | | | | | |
| | | *LEED | 1,193 | 620 | 739,660 | | | | | | | | | | | | | | |
| **H.S. Total** | **931** | **1,080** | **1,193** | | **$8,875,920** | **0** | **$0** | **148,940** | **$6,110,250** | **$250,000** | **$6,360,250** | **$7,950,313** | | **0.6011** | | | **$601,586** | **$361,613** | **$239,973** |
| **K-12 Total** | **3,326** | **3,570** | **4,522** | | **$28,001,070** | **175,000** | **$31,500,000** | **280,110** | **$24,297,475** | **$2,450,000** | **$58,247,475** | **$72,809,345** | | **0.6011** | | | **$5,508,068** | **$1,231,280** | **$4,276,788** |
| District Admin. Building | 29 | 29 | 32 | 6,200 | 199,578 | 0 | 0 | 148,940 | 288,500 | 0 | 288,500 | 360,625 | 0.6641 | 0.6011 | 39.92% | 60.08% | 27,292 | 10,895 | 16,397 |
| | | *Existing | 32 | 620 | 19,958 | | | | | | | | | | | | | | |
| | | *LEED | 32 | 620 | 19,958 | | | | | | | | | | | | | | |
| **DAO Total** | **29** | **29** | **32** | | **$239,494** | **0** | **$0** | **148,940** | **$288,500** | **$0** | **$288,500** | **$360,625** | | **0.6011** | | | **$27,292** | **$10,895** | **$16,397** |

OPTION 4

## OPTION 4 EXISTING MIDDLE SCHOOL ALTERATIONS & ADDITIONS

| I | II | III | Proposed Building Phases |
|---|---|---|---|
| 5-8 | | | Alterations and Additions to Middle School with required upgrades.<br>• Maintain as a 5-8 Middle School |
| | K-4 | | Alterations and Additions to Elementary Schools with required upgrades.<br>• Maintain K-4 Grade Alignment |
| | | 9-12 | Maintain High School with required upgrades.<br>• Maintain as a 9-12 High School |

**DAO**

Maintain District Administration Building with required upgrades.
- Upgrades may occur at any building phase

**Pros**

- Retain existing Middle School with alterations and additions
- No Grade re-alignment of Elementary
- All four Elementary Schools receive equitable upgrades

**Cons**

- Construction projects effecting all four Elemetary Schools and Middle School
- Cost of alterations and additions at Middle school may outweigh benefits
- Minimal alterations to High School
- No simplification of transportation to buildings

## PROPOSED EDUCATIONAL PROGRAM — OPTION 4

| | Building | Proposed Grade Alignment | Proposed Work | Functional Capacity | | Highest Projected Enrollment | |
|---|---|---|---|---|---|---|---|
| | | | | DIST | PDE | Methods I ,II, III | Current + 10% * |
| | LEHIGHTON AREA MIDDLE SCHOOL | 5-8 | Alts & Adds w/ Upgrades | 895 | 1,007 | | |
| Phase I | 5-8 TOTAL | | | 895 | 1,007 | 1,013 Method II | 810 2009-19 |
| | EAST PENN ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 250 | 250 | | |
| | FRANKLIN ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 375 | 375 | | |
| | MAHONING ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 250 | 250 | | |
| | SHULL-DAVID ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 375 | 375 | | |
| Phase II | K-4 TOTAL | | | 1,250 | 1,250 | 1,396 Method II | 1,031 2009-10 |
| | LEHIGHTON AREA HIGH SCHOOL | 9-12 | Upgrades & Renovations | 931 | 931 | | |
| Phase III | 9-12 TOTAL | | | 931 | 931 | 902 Method II | 861 2009-10 |
| | K-12 TOTAL | | | 3,076 | 3,188 | 3,311 Method II | 2,702 2009-10 |

* PDE allows 2009/10 or 2010/11 Current Enrollment + 10% to be used as Highest Projected Enrollment for Project Grades.

## Proposed Option Costs - Option 4 Existing Middle School Alterations & Additions

| | | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|---|
| | Lehighton Area M.S. | $8,224,920 | $3,240,000 | $12,719,000 | $1,241,000 | $17,200,000 | $21,500,000 | $373,995 | $1,252,401 |
| **Phase I** | **M.S. Total** | **$8,224,920** | **$3,240,000** | **$12,719,000** | **$1,241,000** | **$17,200,000** | **$21,500,000** | **$373,995** | **$1,252,401** |
| | East Penn E.S. | $2,126,280 | $2,520,000 | $3,817,950 | $550,000 | $6,887,950 | $8,609,938 | $96,664 | $554,510 |
| | Franklin E.S. | $3,389,640 | $3,150,000 | $5,367,825 | $550,000 | $9,067,825 | $11,334,781 | $154,159 | $703,437 |
| | Mahoning E.S. | $2,323,680 | $1,710,000 | $4,235,200 | $550,000 | $6,495,200 | $8,119,000 | $105,677 | $508,594 |
| | Shull-David E.S. | $3,389,640 | $3,420,000 | $4,766,250 | $550,000 | $8,736,250 | $10,920,313 | $154,129 | $671,947 |
| **Phase II** | **E.S. Total** | **$11,229,240** | **$10,800,000** | **$18,187,225** | **$2,200,000** | **$31,187,225** | **$38,984,032** | **$510,629** | **$2,438,488** |
| | Lehighton Area H.S. | $8,875,920 | $0 | $6,110,250 | $250,000 | $6,360,250 | $7,950,313 | $361,613 | $239,973 |
| **Phase III** | **H.S. Total** | **$8,875,920** | **$0** | **$6,110,250** | **$250,000** | **$6,360,250** | **$7,950,313** | **$361,613** | **$239,973** |
| | **DAO Total** | **$239,494** | **$0** | **$288,500** | **$0** | **$288,500** | **$360,625** | **$10,895** | **$16,397** |

| | EAST PENN ELEMENTARY | | | | | | | | FRANKLIN ELEMENTARY | | | | | | | | MAHONING ELEMENTARY | | | | | | | | SHULL-DAVID ELEMENTARY | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING K-4 | | | | PROPOSED K-4 | | | | EXISTING K-4 | | | | PROPOSED K-4 | | | | EXISTING K-4 | | | | PROPOSED K-4 | | | | EXISTING K-4 | | | | PROPOSED K-4 | | | |
| | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | | | |
| Educational Space | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | |
| Kindergarten Clsrm | 2 | 800 | 1,600 | 50 | 2 | 870 | 1,740 | 50 | 4 | 880 | 3,520 | 100 | 3 | 900 | 2,700 | 75 | 2 | 780 | 1,560 | 50 | 2 | 860 | 1,720 | 50 | 4 | 980 | 3,920 | 100 | 3 | 980 | 2,940 | 75 | |
| First Grade Clsrm | 1 | 840 | 840 | 25 | 2 | 850 | 1,700 | 50 | 3 | 765 | 2,295 | 75 | 3 | 900 | 2,700 | 75 | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 2 | 910 | 1,820 | 50 | 3 | 975 | 2,925 | 75 | |
| Second Grade Clsrm | 2 | 870 | 1,740 | 50 | 2 | 800 | 1,600 | 50 | 3 | 800 | 2,400 | 75 | 3 | 900 | 2,700 | 75 | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 4 | 975 | 3,900 | 100 | 3 | 950 | 2,850 | 75 | |
| Third Grade Clsrm | 1 | 870 | 870 | 25 | 2 | 850 | 1,700 | 50 | 3 | 900 | 2,700 | 75 | 3 | 850 | 2,550 | 75 | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 2 | 910 | 1,820 | 50 | 3 | 910 | 2,730 | 75 | |
| Fourth Grade Clsrm | 1 | 760 | 760 | 25 | 2 | 850 | 1,700 | 50 | 2 | 900 | 1,800 | 50 | 3 | 850 | 2,550 | 75 | 2 | 860 | 1,720 | 50 | 2 | 850 | 1,700 | 50 | 2 | 910 | 1,820 | 50 | 3 | 900 | 2,700 | 75 | |
| Fifth Grade Clsrm | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | |
| Support Clsrm 660+ SF | | | 0 | 0 | 2 | 800 | 1,600 | 50 | | | 0 | 0 | 3 | 850 | 2,550 | 75 | 1 | 780 | 780 | 25 | 2 | 850 | 1,700 | 50 | | | 0 | 0 | 3 | 850 | 2,550 | 75 | |
| Pre Kindergarten | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | |
| Modular Clsrm | | | | | | | | | 1 Fourth Grade | | | | | | | | | | | | | | | | 1 Third Grade | | | | | | | |
| Special Education Clsrm. | 2 | 780 | 1,560 | | 2 | 780 | 1,560 | | 2 | 900 | 1,800 | | 3 | 765 | 2,295 | | 1 | 780 | 780 | | 2 | 780 | 1,560 | | 2 | 870 | 1,740 | | 3 | 870 | 2,610 | | |
| I.U. / S.E. Clsrm | 1 | 800 | 800 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | 1 | 780 | 780 | | | | 0 | | | | 0 | | |
| Spec. Educ. Seminar / S.G.I. | | | 0 | | | | 0 | | 1 | 420 | 420 | | 2 | 400 | 800 | | | | 0 | | | | 0 | | 1 | 200 | 200 | | 2 | 400 | 800 | | |
| Media Center | 1 | 865 | 865 | | 1 | 1,250 | 1,250 | | 1 | 1,300 | 1,300 | | 1 | 1,600 | 1,600 | | 1 | 840 | 840 | | 1 | 1,250 | 1,250 | | 1 | 1,170 | 1,170 | | 1 | 1,600 | 1,600 | | |
| S.G.I. / Student Activity | 3 | 125 | 375 | | 4 | 425 | 1,700 | | 4 | 240 | 960 | | 6 | 425 | 2,550 | | 1 | 335 | 335 | | 2 | 425 | 850 | | 4 | 305 | 1,220 | | 6 | 425 | 2,550 | | |
| Large Group Instruction | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Science Classroom | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Science Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Sci Proj Rm / Greenhouse | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Business / Computer Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Computer Lab | 1 | 420 | 420 | | 1 | 800 | 800 | | 1 | 400 | 400 | | 1 | 800 | 800 | | 1 | 350 | 350 | | 1 | 800 | 800 | | 1 | 325 | 325 | | 1 | 800 | 800 | | |
| Art Classroom | 1 | 830 | 830 | | 1 | 830 | 830 | | 1 | 900 | 900 | | 1 | 900 | 900 | | 1 | 860 | 860 | | 1 | 860 | 860 | | 1 | 825 | 825 | | 1 | 910 | 910 | | |
| Music Classroom | Share w/ Art | | | | 1 | 850 | 850 | | Share w/ Art | | | | 1 | 850 | 850 | | Share w/ Art | | | | 1 | 850 | 850 | | Share w/ Art | | | | 1 | 850 | 850 | | |
| Band / Orchestra / Choral | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Music S.G.I. | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Family & Consumer Science | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| TE Shop | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Gymnasium 6500+ SF | 1 | 1,660 | 1,660 | | 1 | 1,660 | 1,660 | | 1 | 3,900 | 3,900 | | 1 | 3,900 | 3,900 | | 1 | 1,720 | 1,720 | | 1 | 1,720 | 1,720 | | 1 | 2,550 | 2,550 | | 1 | 2,550 | 2,550 | | |
| Adaptive Gym / Wrestling | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Locker Room / Team Room | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Officials / P.E. Office | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Stage / Platform | 1 | 400 | 400 | | 1 | 400 | 400 | | 1 | 660 | 660 | | 1 | 660 | 660 | | 1 | 360 | 360 | | 1 | 360 | 360 | | 1 | 420 | 420 | | 1 | 420 | 420 | | |
| Auditorium | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | | | 0 | | |
| Student Dining | | | 0 | | 1 | 1,500 | 1,500 | | | | 0 | | 1 | 2,200 | 2,200 | | | | 0 | | 1 | 1,500 | 1,500 | | | | 0 | | 1 | 2,200 | 2,200 | | |
| Kitchen Areas | 1 | 650 | 650 | | 1 | 900 | 900 | | 1 | 1,000 | 1,000 | | 1 | 1,200 | 1,200 | | 1 | 735 | 735 | | 1 | 900 | 900 | | 1 | 1,155 | 1,155 | | 1 | 1,155 | 1,155 | | |
| Administration / Guidance | 1 | 460 | 460 | | 1 | 800 | 800 | | 1 | 750 | 750 | | 1 | 1,200 | 1,200 | | 1 | 800 | 800 | | 1 | 800 | 800 | | 1 | 1,100 | 1,100 | | 1 | 1,200 | 1,200 | | |
| Health Suite | 1 | 435 | 435 | | 1 | 600 | 600 | | 1 | 470 | 470 | | 1 | 600 | 600 | | 1 | 430 | 430 | | 1 | 600 | 600 | | 1 | 530 | 530 | | 1 | 600 | 600 | | |
| Faculty Dining / Workroom | 1 | 515 | 515 | | 1 | 800 | 800 | | 1 | 590 | 590 | | 1 | 800 | 800 | | 1 | 400 | 400 | | 1 | 800 | 800 | | 1 | 350 | 350 | | 1 | 800 | 800 | | |
| I.P.C. / Office | | | 0 | | | | 0 | | 1 | 250 | 250 | | | | 0 | | | | 0 | | | | 0 | | 1 | 100 | 100 | | | | 0 | | |
| FUNCTIONAL CAPACITY | | | 175 | | | | 250 | | | | 375 | | | | 375 | | | | 250 | | | | 250 | | | | 350 | | | | 375 | | |
| TOTAL CAPACITY | | | 175 | | | | 300 | | | | 375 | | | | 450 | | | | 275 | | | | 300 | | | | 350 | | | | 450 | | |
| SPEC. EDUC. CAPACITY | | | 75 | | | | 50 | | | | 75 | | | | 100 | | | | 25 | | | | 75 | | | | 50 | | | | 100 | | |
| SCHEDULED AREA | | | 14,780 | | | | 23,690 | | | | 26,115 | | | | 36,105 | | | | 16,830 | | | | 23,910 | | | | 24,965 | | | | 35,740 | | |
| ARCHITECTURAL AREA | | | 24,270 | | | | 38,270 | | | | 39,915 | | | | 57,415 | | | | 28,470 | | | | 37,970 | | | | 38,515 | | | | 56,970 | | |
| NEW ARCHITECTURAL AREA | | | | | | | 14,000 | | | | | | | | 17,500 | | | | | | | | 9,500 | | | | | | | | 19,000 | | |
| CLSRM COUNT | 7 | | | | 12 | | | | 15 | | | | 18 | | | | 11 | | | | 12 | | | | 14 | | | | 18 | | | | |
| S.E. COUNT | 3 | | | | 2 | | | | 2 | | | | 3 | | | | 1 | | | | 3 | | | | 2 | | | | 3 | | | | |
| OTHER | 1 | | | | 3 | | | | 1 | | | | 3 | | | | 1 | | | | 3 | | | | 1 | | | | 2 | | | | |
| TOTAL | 11 | | | | 17 | | | | 18 | | | | 24 | | | | 13 | | | | 18 | | | | 17 | | | | 23 | | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.64 | | | | 1.62 | | | | 1.53 | | | | 1.59 | | | | 1.69 | | | | 1.59 | | | | 1.54 | | | | 1.59 | | |

| | 5-8 LEHIGHTON AREA MIDDLE SCHOOL | | | | | | | | | | 9-12 LEHIGHTON AREA HIGH SCHOOL | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING 5-8 | | | | | PROPOSED 5-8 | | | | | EXISTING 9-12 | | | | | PROPOSED 9-12 | | | | |
| Educational Space | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE |
| Fifth Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 840 | 5,040 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Sixth Grade Reg Clsrm 660+ SF | 3 | 860 | 2,580 | 75 | 75 | 6 | 860 | 5,160 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Seventh Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 840 | 5,040 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Eighth Grade Reg Clsrm 660+ SF | 6 | 860 | 5,160 | 150 | 150 | 6 | 860 | 5,160 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| 9-12 Lang Arts Reg Clsrm 660+ SF | | | | | | | | | | | 7 | 830 | 5,810 | 175 | 175 | 7 | 830 | 5,810 | 175 | 175 |
| 9-12 F Lang Reg Clsrm 660+ SF | | | | | | | | | | | 2 | 830 | 1,660 | 50 | 50 | 2 | 830 | 1,660 | 50 | 50 |
| 9-12 Math Reg Clsrm 660+ SF | | | | | | | | | | | 5 | 780 | 3,900 | 125 | 125 | 5 | 780 | 3,900 | 125 | 125 |
| 9-12 Soc St Reg Clsrm 660+ SF | | | | | | | | | | | 6 | 780 | 4,680 | 150 | 150 | 6 | 780 | 4,680 | 150 | 150 |
| Reg Clsrm 660+ SF | 1 | 1,050 | 1,050 | 25 | 25 | 2 | 850 | 1,700 | 50 | 50 | 1 | 780 | 780 | 25 | 25 | 1 | 780 | 780 | 25 | 25 |
| Modular Clsrm | 4 | 3 Sixth Gr Clsrm & 1 Reg Clsrm | | | | | | | | | | | | | | | | | | |
| Special Education Clsrm. | 3 | 860 | 2,580 | | | 4 | 800 | 3,200 | | | 7 | 735 | 5,145 | | | 7 | 735 | 5,145 | | |
| Special Education Clsrm. (Divided) | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| I.U. / S.E. Clsrm | 1 | 840 | 840 | | | 1 | 800 | 800 | | | | | | | | | | | | |
| Spec. Educ. Seminar / S.G.I. | 6 | 350 | 2,100 | | | 5 | 400 | 2,000 | | | | | 0 | | | | | 0 | | |
| Media Center | 1 | 2,260 | 2,260 | | | 1 | 3,000 | 3,000 | | | 1 | 2,630 | 2,630 | | | 1 | 2,630 | 2,630 | | |
| T.V. Studio | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 1 | 500 | 500 | | | 1 | 500 | 500 | | |
| S.G.I. / Student Activity | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Large Group Instruction | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Science Classroom | 4 | 840 | 3,360 | 100 | 100 | 4 | 840 | 3,360 | 100 | 100 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Science Lab | 4 | 1,120 | 4,480 | 80 | 80 | 4 | 1,120 | 4,480 | 80 | 80 | 7 | 1,100 | 7,700 | 140 | 140 | 7 | 1,100 | 7,700 | 140 | 140 |
| Sci Proj Rm / Greenhouse | | | 0 | | | | | 0 | | | 3 | 275 | 825 | | | 3 | 275 | 825 | | |
| Business / Computer Lab | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 4 | 1,100 | 4,400 | 80 | 80 | 4 | 1,100 | 4,400 | 80 | 80 |
| Computer Lab | 2 | 890 | 1,780 | 40 | 40 | 2 | 890 | 1,780 | 40 | 40 | 1 | 745 | 745 | 20 | 20 | 1 | 745 | 745 | 20 | 20 |
| Art Classroom | 2 | 1,155 | 2,310 | 40 | 40 | 2 | 1,155 | 2,310 | 40 | 40 | 1 | 1,470 | 1,470 | 20 | 20 | 1 | 1,470 | 1,470 | 20 | 20 |
| Music Classroom | 1 | 850 | 850 | 25 | 25 | 1 | 850 | 850 | 25 | 25 | 1 | 850 | 850 | 25 | 25 | 1 | 850 | 850 | 25 | 25 |
| Band / Orchestra / Choral | 1 | 1,250 | 1,250 | 25 | 25 | 1 | 1,250 | 1,250 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 |
| Family & Consumer Science | 1 | 1,700 | 1,700 | 20 | 20 | 1 | 1,700 | 1,700 | 20 | 20 | 2 | 1,185 | 2,370 | 40 | 40 | 2 | 1,185 | 2,370 | 40 | 40 |
| TE Shop | 2 | 2,130 | 4,260 | 40 | 40 | 2 | 2,130 | 4,260 | 40 | 40 | 3 | 2,415 | 7,245 | 60 | 60 | 3 | 2,415 | 7,245 | 60 | 60 |
| Gymnasium 6500+ SF | 1 | 10,620 | 10,620 | 99 | 99 | 1 | 10,620 | 10,620 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 |
| Adaptive Gym / Wrestling 1000+ SF | 1 | 1,415 | 1,415 | | | 1 | 1,415 | 1,415 | | | 1 | 1,680 | 1,680 | | | 1 | 1,680 | 1,680 | | |
| Locker Room / Team Room | 2 | 1,445 | 2,890 | | | 2 | 1,445 | 2,890 | | | 2 | 870 | 1,740 | | | 2 | 870 | 1,740 | | |
| Wrestling / Weight Rm | | | 0 | | | | | 0 | | | 1 | 1,650 | 1,650 | | | 1 | 1,650 | 1,650 | | |
| Training Room / Whirlpool | | | 0 | | | | | 0 | | | 2 | 100 | 200 | | | 2 | 100 | 200 | | |
| Officials / P.E. Office | 3 | 190 | 570 | | | 2 | 190 | 380 | | | 2 | 70 | 140 | | | 2 | 70 | 140 | | |
| Stage / Platform | 1 | 1,600 | 1,600 | | | 1 | 1,600 | 1,600 | | | 1 | 1,930 | 1,930 | | | 1 | 1,930 | 1,930 | | |
| Auditorium | 1 | 6,430 | 6,430 | | | 1 | 6,430 | 6,430 | | | 1 | 9,000 | 9,000 | | | 1 | 9,000 | 9,000 | | |
| Student Dining | 1 | 2,900 | 2,900 | | | 1 | 4,000 | 4,000 | | | 1 | 5,100 | 5,100 | | | 1 | 5,100 | 5,100 | | |
| Kitchen Areas | 1 | 1,930 | 1,930 | | | 1 | 2,500 | 2,500 | | | 1 | 4,270 | 4,270 | | | 1 | 4,270 | 4,270 | | |
| Administration / Guidance | 1 | 2,140 | 2,140 | | | 1 | 2,400 | 2,400 | | | 1 | 3,860 | 3,860 | | | 1 | 3,860 | 3,860 | | |
| Health Suite | 1 | 830 | 830 | | | 1 | 830 | 830 | | | 1 | 660 | 660 | | | 1 | 660 | 660 | | |
| Faculty Dining / Workroom | 1 | 400 | 400 | | | 1 | 800 | 800 | | | 2 | 575 | 1,150 | | | 2 | 575 | 1,150 | | |
| I.P.C. / Office | 2 | 320 | 640 | | | 1 | 400 | 400 | | | 3 | 185 | 555 | | | 3 | 185 | 555 | | |
| FUNCTIONAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 827 | 931 | | | | 827 | 931 |
| TOTAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 827 | 931 | | | | 827 | 931 |
| SPEC. EDUC. CAPACITY | | | | 50 | 125 | | | | 60 | 150 | | | | 70 | 175 | | | | 70 | 175 |
| SCHEDULED AREA | | | 79,005 SF | | | | | 85,355 SF | | | | | 78,145 SF | | | | | 78,145 SF | | |
| ARCHITECTURAL AREA | | | 118,450 SF | | | | | 136,450 SF | | | | | 148,940 SF | | | | | 148,940 SF | | |
| NEW ARCHITECTURAL AREA | | | | | | | | 18,000 SF | | | | | | | | | | 0 SF | | |

| | | | | |
|---|---|---|---|---|
| CLSRM COUNT | 26 (4 Modular Clsrms) | 26 | 21 | 21 |
| S.E. COUNT | 4 | 31 | 7 | 7 |
| TOTAL | 30 | 57 | 28 | 28 |
| ADDITIONAL CLASSROOMS | | | | |
| S.A. / ARCH. AREA FACTOR | 1.499 | 1.599 | 1.906 | 1.906 |

| | Dist Bldg. FTE | PDE Adj. New FTE | RPC | ** Reimb. Factor | Max Elig. Reimb. | Constr. New S.F. | Constr. Cost for Additions | Renov. Exist. S.F. | Renov. Study Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | ** % M.E.R. to T.P.C. | Aid Ratio | % State Share | % Local Share | + Annual Total Share | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lehighton Area Middle School | 815 | 510 | 713 | 4,700 | 3,351,100 | 18,000 | 3,240,000 | 118,450 | 12,719,000 | 1,241,000 | 17,200,000 | 21,500,000 | 0.3826 | 0.6011 | 23.00% | 77.00% | 1,626,396 | 373,995 | 1,252,401 |
| | | *Existing | 713 | 470 | 335,110 | | | | | | | | | | | | | | |
| | | *LEED | 713 | 470 | 335,110 | | | | | | | | | | | | | | |
| | | 509 | 565 | 6,200 | 3,503,000 | | | | | | | | | | | | | | |
| | | *Existing | 565 | 620 | 350,300 | | | | | | | | | | | | | | |
| | | *LEED | 565 | 620 | 350,300 | | | | | | | | | | | | | | |
| **5-8 Total** | **815** | **1,019** | **1,278** | | **$8,224,920** | **18,000** | **$3,240,000** | **118,450** | **$12,719,000** | **$1,241,000** | **$17,200,000** | **$21,500,000** | | **0.6011** | | | **$1,626,396** | **$373,995** | **$1,252,401** |
| East Penn Elementary | 300 | 269 | 377 | 4,700 | 1,771,900 | 14,000 | 2,520,000 | 24,270 | 3,817,950 | 550,000 | 6,887,950 | 8,609,938 | 0.2470 | 0.6011 | 14.84% | 85.16% | 651,174 | 96,664 | 554,510 |
| | | *Existing | 377 | 470 | 177,190 | | | | | | | | | | | | | | |
| | | *LEED | 377 | 470 | 177,190 | | | | | | | | | | | | | | |
| | | | | | **2,126,280** | | | | | | | | | | | | | | |
| Franklin Elementary | 450 | 429 | 601 | 4,700 | 2,824,700 | 17,500 | 3,150,000 | 39,915 | 5,367,825 | 550,000 | 9,067,825 | 11,334,781 | 0.2990 | 0.6011 | 17.98% | 82.02% | 857,596 | 154,159 | 703,437 |
| | | *Existing | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | *LEED | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | | | | **3,389,640** | | | | | | | | | | | | | | |
| Mahoning Elementary | 300 | 294 | 412 | 4,700 | 1,936,400 | 9,500 | 1,710,000 | 28,470 | 4,235,200 | 550,000 | 6,495,200 | 8,119,000 | 0.2862 | 0.6011 | 17.20% | 82.80% | 614,271 | 105,677 | 508,594 |
| | | *Existing | 412 | 470 | 193,640 | | | | | | | | | | | | | | |
| | | *LEED | 412 | 470 | 193,640 | | | | | | | | | | | | | | |
| | | | | | **2,323,680** | | | | | | | | | | | | | | |
| Shull-David Elementary | 450 | 429 | 601 | 4,700 | 2,824,700 | 19,000 | 3,420,000 | 38,515 | 4,766,250 | 550,000 | 8,736,250 | 10,920,313 | 0.3104 | 0.6011 | 18.66% | 81.34% | 826,076 | 154,129 | 671,947 |
| | | *Existing | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | *LEED | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | | | | **3,389,640** | | | | | | | | | | | | | | |
| **K-4 E.S. Total** | **1,500** | **1,421** | **1,991** | | **$11,229,240** | **60,000** | **$10,800,000** | **131,170** | **$18,187,225** | **$2,200,000** | **$31,187,225** | **$38,984,032** | | **0.6011** | | | **$2,949,117** | **$510,629** | **$2,438,488** |
| Lehighton Area High School | 931 | 1,080 | 1,193 | 6,200 | 7,396,600 | 0 | 0 | 148,940 | 6,110,250 | 250,000 | 6,360,250 | 7,950,313 | 1.0000 | 0.6011 | 60.11% | 39.89% | 601,586 | 361,613 | 239,973 |
| | | *Existing | 1,193 | 620 | 739,660 | | | | | | | | | | | | | | |
| | | *LEED | 1,193 | 620 | 739,660 | | | | | | | | | | | | | | |
| **9-12 Total** | **931** | **1,080** | **1,193** | | **$8,875,920** | **0** | **$0** | **148,940** | **$6,110,250** | **$250,000** | **$6,360,250** | **$7,950,313** | | **0.6011** | | | **$601,586** | **$361,613** | **$239,973** |
| **K-12 Total** | **3,246** | **3,520** | | | **$28,330,080** | **78,000** | **$14,040,000** | **398,560** | **$37,016,475** | **$3,691,000** | **$54,747,475** | **$68,434,345** | | **0.6011** | | | **$5,177,099** | **$1,246,237** | **$3,930,862** |
| District Administration Building | 29 | 29 | 32 | 6,200 | 199,578 | 0 | 0 | 148,940 | 288,500 | 0 | 288,500 | 360,625 | 0.6641 | 0.6011 | 39.92% | 60.08% | 27,292 | 10,895 | 16,397 |
| | | *Existing | 32 | 620 | 19,958 | | | | | | | | | | | | | | |
| | | *LEED | 32 | 620 | 19,958 | | | | | | | | | | | | | | |
| **9-12 Total** | **29** | **29** | **32** | | **$239,494** | **0** | **$0** | **148,940** | **$288,500** | **$0** | **$288,500** | **$360,625** | | **0.6011** | | | **$27,292** | **$10,895** | **$16,397** |

OPTION 5

## OPTION 5 MIDDLE SCHOOL ADDITION TO HIGH SCHOOL

| I | II | III | Proposed Building Phases |
|---|---|---|---|
| 5-8 | | | Middle School Addition to the High School; with alterations & required upgrades. |
| 9-12 | | | • Design as a 5-8 Middle School; 9-12 High School<br>• Potential Grade re-alignment to a 6-8 Middle School dependent upon student enrollment projections |
| | | X | Close Existing Middle School |
| | K-4 | | Alterations & Additions to Existing Elementary Schools<br>• Maintain as K-4 Elementary Schools |

**DAO**

Maintain District Administration Building with required upgrades.

- Upgrades may occur at any building phase

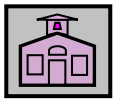
**Pros**

- Design new Middle School Addition to accommodate educational program
- High School and Middle School benefit from sharing of core spaces
- Existing High School recieves more extensive improvements
- Closing of existing Middle School requiring extensive renovations
- Simplified transportation to Middle School and High School

**Cons**

- Construction projects effecting all four elemetary school properties.
- Decide on use or sale of existing Middle School
- Increases site capacity and use at existing High School Campus

## PROPOSED EDUCATIONAL PROGRAM — OPTION 5

| | Building | Proposed Grade Alignment | Proposed Work | Functional Capacity DIST | Functional Capacity PDE | Highest Projected Enrollment Methods I ,II, III | Highest Projected Enrollment Current + 10% * |
|---|---|---|---|---|---|---|---|
|  | LEHIGHTON AREA MIDDLE SCHOOL ADDITION TO HS | 5-8 | New Construction | 895 | 1,007 | | |
|  | LEHIGHTON AREA HIGH SCHOOL | 9-12 | Upgrades & Renovations | 931 | 931 | | |
|  | LEHIGHTON AREA MIDDLE SCHOOL | | Close Phase II / III | | | | |
| Phase I | 5-8 TOTAL | | | 895 | 1,007 | 1,013 Method II | 810 2009-10 |
| | 9-12 TOTAL | | | 931 | 931 | 902 Method II | 861 2009-10 |
| | 5-12 TOTAL | | | 1,826 | 1,938 | 1,915 Method II | 1,671 2009-10 |
|   | EAST PENN ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 250 | 250 | | |
|   | FRANKLIN ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 375 | 375 | | |
|   | MAHONING ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 250 | 250 | | |
|   | SHULL-DAVID ELEMENTARY SCHOOL | K-4 | Alts & Adds w/ Upgrades | 375 | 375 | | |
| Phase II | K-4 TOTAL | | | 1,250 | 1,250 | 1,396 Method II | 1,031 2009-10 |
| | K-12 TOTAL | | | 2,145 | 2,257 | 3,311 Method II | 2,702 2009-10 |

* PDE allows 2009/10 or 2010/11 Current Enrollment + 10% to be used as Highest Projected Enrollment for Project Grades.

## Proposed Option Costs - Option 5 Middle School Addition to High School

| | | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|---|
| | Lehighton Area M.S./H.S. | $16,649,040 | $20,700,000 | $7,400,000 | $0 | $28,100,000 | $35,125,000 | $757,128 | $1,900,229 |
| | Lehighton Area M.S. | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| **Phase I** | **M.S./H.S. Total** | **$16,649,040** | **$20,700,000** | **$7,400,000** | **$0** | **$28,100,000** | **$35,125,000** | **$757,128** | **$1,900,229** |
| | East Penn E.S. | $2,126,280 | $2,520,000 | $3,817,950 | $550,000 | $6,887,950 | $8,609,938 | $96,664 | $554,510 |
| | Franklin E.S. | $3,389,640 | $3,150,000 | $5,367,825 | $550,000 | $9,067,825 | $11,334,781 | $154,159 | $703,437 |
| | Mahoning E.S. | $2,323,680 | $1,710,000 | $4,235,200 | $550,000 | $6,495,200 | $8,119,000 | $105,677 | $508,594 |
| | Shull-David E.S. | $3,389,640 | $3,420,000 | $4,766,250 | $550,000 | $8,736,250 | $10,920,313 | $154,129 | $671,947 |
| **Phase II** | **E.S. Total** | **$11,229,240** | **$10,800,000** | **$18,187,225** | **$2,200,000** | **$31,187,225** | **$38,984,032** | **$510,629** | **$2,438,488** |
| | **DAO Total** | **$239,494** | **$0** | **$288,500** | **$0** | **$288,500** | **$360,625** | **$10,895** | **$16,397** |

## PROPOSED BUILDING CAPACITY

## ELEMENTARY SCHOOLS -- OPTION 5

| | EAST PENN ELEMENTARY | | | | | | | | FRANKLIN ELEMENTARY | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING K-4 | | | | PROPOSED K-4 | | | | EXISTING K-4 | | | | PROPOSED K-4 | | | |
| | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | |
| Educational Space | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE |
| Kindergarten Clsrm | 2 | 800 | 1,600 | 50 | 2 | 870 | 1,740 | 50 | 4 | 880 | 3,520 | 100 | 3 | 900 | 2,700 | 75 |
| First Grade Clsrm | 1 | 840 | 840 | 25 | 2 | 850 | 1,700 | 50 | 3 | 765 | 2,295 | 75 | 3 | 900 | 2,700 | 75 |
| Second Grade Clsrm | 2 | 870 | 1,740 | 50 | 2 | 800 | 1,600 | 50 | 3 | 800 | 2,400 | 75 | 3 | 900 | 2,700 | 75 |
| Third Grade Clsrm | 1 | 870 | 870 | 25 | 2 | 850 | 1,700 | 50 | 3 | 900 | 2,700 | 75 | 3 | 850 | 2,550 | 75 |
| Fourth Grade Clsrm | 1 | 760 | 760 | 25 | 2 | 850 | 1,700 | 50 | 2 | 900 | 1,800 | 50 | 3 | 850 | 2,550 | 75 |
| Fifth Grade Clsrm | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Support Clsrm 660+ SF | | | 0 | 0 | 2 | 800 | 1,600 | 50 | | | 0 | 0 | 3 | 850 | 2,550 | 75 |
| Pre Kindergarten | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Modular Clsrm | | | | | | | | | 1 Fourth Grade | | | | | | | |
| Special Education Clsrm. | 2 | 780 | 1,560 | | 2 | 780 | 1,560 | | 2 | 900 | 1,800 | | 3 | 765 | 2,295 | |
| I.U. / S.E. Clsrm | 1 | 800 | 800 | | | | 0 | | | | 0 | | | | 0 | |
| Spec. Educ. Seminar / S.G.I. | | | 0 | | | | 0 | | 1 | 420 | 420 | | 2 | 400 | 800 | |
| Media Center | 1 | 865 | 865 | | 1 | 1,250 | 1,250 | | 1 | 1,300 | 1,300 | | 1 | 1,600 | 1,600 | |
| S.G.I. / Student Activity | 3 | 125 | 375 | | 4 | 425 | 1,700 | | 4 | 240 | 960 | | 6 | 425 | 2,550 | |
| Large Group Instruction | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Classroom | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Sci Proj Rm / Greenhouse | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Business / Computer Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Computer Lab | 1 | 420 | 420 | | 1 | 800 | 800 | | 1 | 400 | 400 | | 1 | 800 | 800 | |
| Art Classroom | 1 | 830 | 830 | | 1 | 830 | 830 | | 1 | 900 | 900 | | 1 | 900 | 900 | |
| Music Classroom | Share w/ Art | | | | 1 | 850 | 850 | | Share w/ Art | | | | 1 | 850 | 850 | |
| Band / Orchestra / Choral | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Music S.G.I. | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Family & Consumer Science | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| TE Shop | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Gymnasium 6500+ SF | 1 | 1,660 | 1,660 | | 1 | 1,660 | 1,660 | | 1 | 3,900 | 3,900 | | 1 | 3,900 | 3,900 | |
| Adaptive Gym / Wrestling | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Locker Room / Team Room | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Officials / P.E. Office | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Stage / Platform | 1 | 400 | 400 | | 1 | 400 | 400 | | 1 | 660 | 660 | | 1 | 660 | 660 | |
| Auditorium | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Student Dining | | | 0 | | 1 | 1,500 | 1,500 | | | | 0 | | 1 | 2,200 | 2,200 | |
| Kitchen Areas | 1 | 650 | 650 | | 1 | 900 | 900 | | 1 | 1,000 | 1,000 | | 1 | 1,200 | 1,200 | |
| Administration / Guidance | 1 | 460 | 460 | | 1 | 800 | 800 | | 1 | 750 | 750 | | 1 | 1,200 | 1,200 | |
| Health Suite | 1 | 435 | 435 | | 1 | 600 | 600 | | 1 | 470 | 470 | | 1 | 600 | 600 | |
| Faculty Dining / Workroom | 1 | 515 | 515 | | 1 | 800 | 800 | | 1 | 590 | 590 | | 1 | 800 | 800 | |
| I.P.C. / Office | | | 0 | | | | 0 | | 1 | 250 | 250 | | | | 0 | |
| FUNCTIONAL CAPACITY | | | 175 | | | | 250 | | | | 375 | | | | 375 | |
| TOTAL CAPACITY | | | 175 | | | | 300 | | | | 375 | | | | 450 | |
| SPEC. EDUC. CAPACITY | | | 75 | | | | 50 | | | | 75 | | | | 100 | |
| SCHEDULED AREA | | | 14,780 | | | | 23,690 | | | | 26,115 | | | | 36,105 | |
| ARCHITECTURAL AREA | | | 24,270 | | | | 38,270 | | | | 39,915 | | | | 57,415 | |
| NEW ARCHITECTURAL AREA | | | | | | | 14,000 | | | | | | | | 17,500 | |
| CLSRM COUNT | 7 | | | | 12 | | | | 15 | | | | 18 | | | |
| S.E. COUNT | 3 | | | | 2 | | | | 2 | | | | 3 | | | |
| OTHER | 1 | | | | 3 | | | | 1 | | | | 3 | | | |
| TOTAL | 11 | | | | 17 | | | | 18 | | | | 24 | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.64 | | | | 1.62 | | | | 1.53 | | | | 1.59 | |

| | MAHONING ELEMENTARY | | | | | | | | SHULL-DAVID ELEMENTARY | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING K-4 | | | | PROPOSED K-4 | | | | EXISTING K-4 | | | | PROPOSED K-4 | | | |
| | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | |
| Educational Space | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE |
| Kindergarten Clsrm | 2 | 780 | 1,560 | 50 | 2 | 860 | 1,720 | 50 | 4 | 980 | 3,920 | 100 | 3 | 980 | 2,940 | 75 |
| First Grade Clsrm | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 2 | 910 | 1,820 | 50 | 3 | 975 | 2,925 | 75 |
| Second Grade Clsrm | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 4 | 975 | 3,900 | 100 | 3 | 950 | 2,850 | 75 |
| Third Grade Clsrm | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 2 | 910 | 1,820 | 50 | 3 | 910 | 2,730 | 75 |
| Fourth Grade Clsrm | 2 | 860 | 1,720 | 50 | 2 | 850 | 1,700 | 50 | 2 | 910 | 1,820 | 50 | 3 | 900 | 2,700 | 75 |
| Fifth Grade Clsrm | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Support Clsrm 660+ SF | 1 | 780 | 780 | 25 | 2 | 850 | 1,700 | 50 | | | 0 | 0 | 3 | 850 | 2,550 | 75 |
| Pre Kindergarten | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Modular Clsrm | | | | | | | | | 1 Third Grade | | | | | | | |
| Special Education Clsrm. | 1 | 780 | 780 | | 2 | 780 | 1,560 | | 2 | 870 | 1,740 | | 3 | 870 | 2,610 | |
| I.U. / S.E. Clsrm | | | 0 | | 1 | 780 | 780 | | | | 0 | | | | 0 | |
| Spec. Educ. Seminar / S.G.I. | | | 0 | | | | 0 | | 1 | 200 | 200 | | 2 | 400 | 800 | |
| Media Center | 1 | 840 | 840 | | 1 | 1,250 | 1,250 | | 1 | 1,170 | 1,170 | | 1 | 1,600 | 1,600 | |
| S.G.I. / Student Activity | 1 | 335 | 335 | | 2 | 425 | 850 | | 4 | 305 | 1,220 | | 6 | 425 | 2,550 | |
| Large Group Instruction | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Classroom | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Sci Proj Rm / Greenhouse | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Business / Computer Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Computer Lab | 1 | 350 | 350 | | 1 | 800 | 800 | | 1 | 325 | 325 | | 1 | 800 | 800 | |
| Art Classroom | 1 | 860 | 860 | | 1 | 860 | 860 | | 1 | 825 | 825 | | 1 | 910 | 910 | |
| Music Classroom | Share w/ Art | | | | 1 | 850 | 850 | | Share w/ Art | | | | 1 | 850 | 850 | |
| Band / Orchestra / Choral | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Music S.G.I. | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Family & Consumer Science | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| TE Shop | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Gymnasium 6500+ SF | 1 | 1,720 | 1,720 | | 1 | 1,720 | 1,720 | | 1 | 2,550 | 2,550 | | 1 | 2,550 | 2,550 | |
| Adaptive Gym / Wrestling | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Locker Room / Team Room | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Officials / P.E. Office | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Stage / Platform | 1 | 360 | 360 | | 1 | 360 | 360 | | 1 | 420 | 420 | | 1 | 420 | 420 | |
| Auditorium | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Student Dining | | | 0 | | 1 | 1,500 | 1,500 | | | | 0 | | 1 | 2,200 | 2,200 | |
| Kitchen Areas | 1 | 735 | 735 | | 1 | 900 | 900 | | 1 | 1,155 | 1,155 | | 1 | 1,155 | 1,155 | |
| Administration / Guidance | 1 | 800 | 800 | | 1 | 800 | 800 | | 1 | 1,100 | 1,100 | | 1 | 1,200 | 1,200 | |
| Health Suite | 1 | 430 | 430 | | 1 | 600 | 600 | | 1 | 530 | 530 | | 1 | 600 | 600 | |
| Faculty Dining / Workroom | 1 | 400 | 400 | | 1 | 800 | 800 | | 1 | 350 | 350 | | 1 | 800 | 800 | |
| I.P.C. / Office | | | 0 | | | | 0 | | 1 | 100 | 100 | | | | 0 | |
| FUNCTIONAL CAPACITY | | | 250 | | | | 250 | | | | 350 | | | | 375 | |
| TOTAL CAPACITY | | | 275 | | | | 300 | | | | 350 | | | | 450 | |
| SPEC. EDUC. CAPACITY | | | 25 | | | | 75 | | | | 50 | | | | 100 | |
| SCHEDULED AREA | | | 16,830 | | | | 23,910 | | | | 24,965 | | | | 35,740 | |
| ARCHITECTURAL AREA | | | 28,470 | | | | 37,970 | | | | 38,515 | | | | 56,970 | |
| NEW ARCHITECTURAL AREA | | | | | | | 9,500 | | | | | | | | 19,000 | |
| CLSRM COUNT | 11 | | | | 12 | | | | 14 | | | | 18 | | | |
| S.E. COUNT | 1 | | | | 3 | | | | 2 | | | | 3 | | | |
| OTHER | 1 | | | | 3 | | | | 1 | | | | 2 | | | |
| TOTAL | 13 | | | | 18 | | | | 17 | | | | 23 | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.69 | | | | 1.59 | | | | 1.54 | | | | 1.59 | |

| | 5-8 LEHIGHTON AREA MIDDLE SCHOOL | | | | | | | | | | 9-12 LEHIGHTON AREA HIGH SCHOOL | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING 5-8 | | | | | PROPOSED 5-8 New M.S. | | | | | EXISTING 9-12 | | | | | PROPOSED 9-12 | | | | |
| Educational Space | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE |
| Fifth Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Sixth Grade Reg Clsrm 660+ SF | 3 | 860 | 2,580 | 75 | 75 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Seventh Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Eighth Grade Reg Clsrm 660+ SF | 6 | 860 | 5,160 | 150 | 150 | 6 | 800 | 4,800 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| 9-12 Lang Arts Reg Clsrm 660+ SF | | | | | | | | | | | 7 | 830 | 5,810 | 175 | 175 | 7 | 830 | 5,810 | 175 | 175 |
| 9-12 F Lang Reg Clsrm 660+ SF | | | | | | | | | | | 2 | 830 | 1,660 | 50 | 50 | 2 | 830 | 1,660 | 50 | 50 |
| 9-12 Math Reg Clsrm 660+ SF | | | | | | | | | | | 5 | 780 | 3,900 | 125 | 125 | 5 | 780 | 3,900 | 125 | 125 |
| 9-12 Soc St Reg Clsrm 660+ SF | | | | | | | | | | | 6 | 780 | 4,680 | 150 | 150 | 6 | 780 | 4,680 | 150 | 150 |
| Reg Clsrm 660+ SF | 1 | 1,050 | 1,050 | 25 | 25 | 2 | 800 | 1,600 | 50 | 50 | 1 | 780 | 780 | 25 | 25 | 1 | 780 | 780 | 25 | 25 |
| Modular Clsrm | 4 | 3 Sixth Gr Clsrm & 1 Reg Clsrm | | | | | | | | | | | | | | | | | | |
| Special Education Clsrm. | 3 | 860 | 2,580 | | | 3 | 800 | 2,400 | | | 7 | 735 | 5,145 | | | 7 | 735 | 5,145 | | |
| Special Education Clsrm. (Divided) | | | 0 | | | 3 | 800 | 2,400 | | | | | 0 | | | | | 0 | | |
| I.U. / S.E. Clsrm | 1 | 840 | 840 | | | 1 | 800 | 800 | | | | | | | | | | | | |
| Spec. Educ. Seminar / S.G.I. | 6 | 350 | 2,100 | | | 1 | 400 | 400 | | | | | 0 | | | | | 0 | | |
| Media Center | 1 | 2,260 | 2,260 | | | 1 | 3,000 | 3,000 | | | 1 | 2,630 | 2,630 | | | 1 | 2,630 | 2,630 | | |
| T.V. Studio | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 1 | 500 | 500 | | | 1 | 500 | 500 | | |
| S.G.I. / Student Activity | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Large Group Instruction | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Science Classroom | 4 | 840 | 3,360 | 100 | 100 | 4 | 800 | 3,200 | 100 | 100 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Science Lab | 4 | 1,120 | 4,480 | 80 | 80 | 4 | 1,000 | 4,000 | 80 | 80 | 7 | 1,100 | 7,700 | 140 | 140 | 7 | 1,100 | 7,700 | 140 | 140 |
| Sci Proj Rm / Greenhouse | | | 0 | | | | | 0 | | | 3 | 275 | 825 | | | 3 | 275 | 825 | | |
| Business / Computer Lab | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 4 | 1,100 | 4,400 | 80 | 80 | 4 | 1,100 | 4,400 | 80 | 80 |
| Computer Lab | 2 | 890 | 1,780 | 40 | 40 | 2 | 800 | 1,600 | 40 | 40 | 1 | 745 | 745 | 20 | 20 | 1 | 745 | 745 | 20 | 20 |
| Art Classroom | 2 | 1,155 | 2,310 | 40 | 40 | 2 | 1,000 | 2,000 | 40 | 40 | 1 | 1,470 | 1,470 | 20 | 20 | 1 | 1,470 | 1,470 | 20 | 20 |
| Music Classroom | 1 | 850 | 850 | 25 | 25 | 1 | 800 | 800 | 25 | 25 | 1 | 850 | 850 | 25 | 25 | 1 | 850 | 850 | 25 | 25 |
| Band / Orchestra / Choral | 1 | 1,250 | 1,250 | 25 | 25 | 1 | 1,200 | 1,200 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 |
| Family & Consumer Science | 1 | 1,700 | 1,700 | 20 | 20 | 1 | 1,600 | 1,600 | 20 | 20 | 2 | 1,185 | 2,370 | 40 | 40 | 2 | 1,185 | 2,370 | 40 | 40 |
| TE Shop | 2 | 2,130 | 4,260 | 40 | 40 | 2 | 1,800 | 3,600 | 40 | 40 | 3 | 2,415 | 7,245 | 60 | 60 | 3 | 2,415 | 7,245 | 60 | 60 |
| Gymnasium 6500+ SF | 1 | 10,620 | 10,620 | 99 | 99 | 1 | 9,000 | 9,000 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 |
| Adaptive Gym / Wrestling 1000+ SF | 1 | 1,415 | 1,415 | | | 1 | 1,400 | 1,400 | | | 1 | 1,680 | 1,680 | | | 1 | 1,680 | 1,680 | | |
| Locker Room / Team Room | 2 | 1,445 | 2,890 | | | 2 | 800 | 1,600 | | | 2 | 870 | 1,740 | | | 2 | 870 | 1,740 | | |
| Wrestling / Weight Rm | | | 0 | | | | | 0 | | | 1 | 1,650 | 1,650 | | | 1 | 1,650 | 1,650 | | |
| Training Room / Whirlpool | | | 0 | | | | | 0 | | | 2 | 100 | 200 | | | 2 | 100 | 200 | | |
| Officials / P.E. Office | 3 | 190 | 570 | | | 2 | 150 | 300 | | | 2 | 70 | 140 | | | 2 | 70 | 140 | | |
| Stage / Platform | 1 | 1,600 | 1,600 | | | 1 | 1,500 | 1,500 | | | 1 | 1,930 | 1,930 | | | 1 | 1,930 | 1,930 | | |
| Auditorium | 1 | 6,430 | 6,430 | | | | | 0 | | | 1 | 9,000 | 9,000 | | | 1 | 9,000 | 9,000 | | |
| Student Dining | 1 | 2,900 | 2,900 | | | 1 | 4,000 | 4,000 | | | 1 | 5,100 | 5,100 | | | 1 | 5,100 | 5,100 | | |
| Kitchen Areas | 1 | 1,930 | 1,930 | | | 1 | 2,500 | 2,500 | | | 1 | 4,270 | 4,270 | | | 1 | 4,270 | 4,270 | | |
| Administration / Guidance | 1 | 2,140 | 2,140 | | | 1 | 2,400 | 2,400 | | | 1 | 3,860 | 3,860 | | | 1 | 3,860 | 3,860 | | |
| Health Suite | 1 | 830 | 830 | | | 1 | 800 | 800 | | | 1 | 660 | 660 | | | 1 | 660 | 660 | | |
| Faculty Dining / Workroom | 1 | 400 | 400 | | | 1 | 800 | 800 | | | 2 | 575 | 1,150 | | | 2 | 575 | 1,150 | | |
| I.P.C. / Office | 2 | 320 | 640 | | | 1 | 400 | 400 | | | 3 | 185 | 555 | | | 3 | 185 | 555 | | |
| FUNCTIONAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 931 | 931 | | | | 931 | 931 |
| TOTAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 931 | 931 | | | | 931 | 931 |
| SPEC. EDUC. CAPACITY | | | | 50 | 125 | | | | 80 | 200 | | | | 70 | 175 | | | | 70 | 175 |
| SCHEDULED AREA | | | 79,005 | SF | | | | 72,500 | SF | | | | 78,145 | SF | | | | 78,145 | SF | |
| ARCHITECTURAL AREA | | | 118,450 | SF | | | | 115,000 | SF | | | | 148,940 | SF | | | | 148,940 | SF | |
| NEW ARCHITECTURAL AREA | | | | | | | | 115,000 | SF | | | | | | | | | 0 | SF | |
| CLSRM COUNT | 26 | (4 Modular Clsrms) | | | | 26 | | | | | 21 | | | | | 21 | | | | |
| S.E. COUNT | 4 | | | | | 7 | | | | | 7 | | | | | 7 | | | | |
| TOTAL | 30 | | | | | 33 | | | | | 28 | | | | | 28 | | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.499 | | | | | 1.586 | | | | | 1.906 | | | | | 1.906 | | |

## PROJECTED REIMBURSEMENT

## OPTION 5

| | Bldg. FTE | PDE Adj. New FTE | RPC | ** Reimb. Factor | Max Elig. Reimb. | Constr. New S.F. | Constr. Cost for Additions | Renov. Exist. S.F. | Renov. Study Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | ** % M.E.R. to T.P.C. | Aid Ratio | % State Share | % Local Share | + Annual Total Share | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lehighton Area | 1,007 | 512 | 716 | 4,700 | 3,365,200 | 115,000 | 20,700,000 | 148,940 | 7,400,000 | | 28,100,000 | 35,125,000 | 0.4740 | 0.6011 | 28.49% | 71.51% | 2,657,357 | 757,128 | 1,900,229 |
| H.S. w/ M.S. adds | 931 | *Existing | 716 | 470 | 336,520 | | | | | | | | | | | | | | |
| | | *LEED | 716 | 470 | 336,520 | | | | | | | | | | | | | | |
| | | 1,534 | 1,695 | 6,200 | 10,509,000 | | | | | | | | | | | | | | |
| | | *Existing | 1,695 | 620 | 1,050,900 | | | | | | | | | | | | | | |
| | | *LEED | 1,695 | 620 | 1,050,900 | | | | | | | | | | | | | | |
| | | | | | **16,649,040** | | | | | | | | | | | | | | |
| Lehighton Area | | 0 | 0 | 4,700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0000 | 0.6011 | 0.00% | 100.00% | 0 | 0 | 0 |
| Existing Middle School | | 0 | 0 | 6,200 | 0 | | | | | | | | | | | | | | |
| **M.S. / H.S. Total** | **1,938** | **2,046** | **2,411** | | **$16,649,040** | **115,000** | **$20,700,000** | **148,940** | **$7,400,000** | **$0** | **$28,100,000** | **$35,125,000** | | **0.6011** | | | **$2,657,357** | **$757,128** | **$1,900,229** |
| East Penn | 300 | 269 | 377 | 4,700 | 1,771,900 | 14,000 | 2,520,000 | 24,270 | 3,817,950 | 550,000 | 6,887,950 | 8,609,938 | 0.2470 | 0.6011 | 14.84% | 85.16% | 651,174 | 96,664 | 554,510 |
| Elementary | | *Existing | 377 | 470 | 177,190 | | | | | | | | | | | | | | |
| | | *LEED | 377 | 470 | 177,190 | | | | | | | | | | | | | | |
| | | | | | **2,126,280** | | | | | | | | | | | | | | |
| Franklin | 450 | 429 | 601 | 4,700 | 2,824,700 | 17,500 | 3,150,000 | 39,915 | 5,367,825 | 550,000 | 9,067,825 | 11,334,781 | 0.2990 | 0.6011 | 17.98% | 82.02% | 857,596 | 154,159 | 703,437 |
| Elementary | | *Existing | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | *LEED | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | | | | **3,389,640** | | | | | | | | | | | | | | |
| Mahoning | 300 | 294 | 412 | 4,700 | 1,936,400 | 9,500 | 1,710,000 | 28,470 | 4,235,200 | 550,000 | 6,495,200 | 8,119,000 | 0.2862 | 0.6011 | 17.20% | 82.80% | 614,271 | 105,677 | 508,594 |
| Elementary | | *Existing | 412 | 470 | 193,640 | | | | | | | | | | | | | | |
| | | *LEED | 412 | 470 | 193,640 | | | | | | | | | | | | | | |
| | | | | | **2,323,680** | | | | | | | | | | | | | | |
| Shull-David | 450 | 429 | 601 | 4,700 | 2,824,700 | 19,000 | 3,420,000 | 38,515 | 4,766,250 | 550,000 | 8,736,250 | 10,920,313 | 0.3104 | 0.6011 | 18.66% | 81.34% | 826,076 | 154,129 | 671,947 |
| Elementary | | *Existing | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | *LEED | 601 | 470 | 282,470 | | | | | | | | | | | | | | |
| | | | | | **3,389,640** | | | | | | | | | | | | | | |
| **K-4 E.S. Total** | **1,500** | **1,421** | **1,991** | | **$11,229,240** | **60,000** | **$10,800,000** | **131,170** | **$18,187,225** | **$2,200,000** | **$31,187,225** | **$38,984,032** | | **0.6011** | | | **$2,949,117** | **$510,629** | **$2,438,488** |
| **K-12 Total** | **3,438** | **3,467** | **4,402** | | **$27,878,280** | **175,000** | **$31,500,000** | **280,110** | **$25,587,225** | **$2,200,000** | **$59,287,225** | **$74,109,032** | | **0.6011** | | | **$5,606,474** | **$1,267,757** | **$4,338,717** |
| District | 29 | 29 | 32 | 6,200 | 199,578 | 0 | 0 | 148,940 | 288,500 | 0 | 288,500 | 360,625 | 0.6641 | 0.6011 | 39.92% | 60.08% | 27,292 | 10,895 | 16,397 |
| Admin. Building | | *Existing | 32 | 620 | 19,958 | | | | | | | | | | | | | | |
| | | *LEED | 32 | 620 | 19,958 | | | | | | | | | | | | | | |
| **DAO Total** | **29** | **29** | **32** | | **$239,494** | **0** | **$0** | **148,940** | **$288,500** | **$0** | **$288,500** | **$360,625** | | **0.6011** | | | **$27,292** | **$10,895** | **$16,397** |

STATUS QUO

## "STATUS QUO" - Included for Comparison

| I | II | III | Proposed Building Phases |
|---|---|---|---|
| 5-8 | | | Maintain Middle School with required upgrades.<br>• Maintain as a 5-8 Middle School<br>• Replace Modular Classrooms<br>• No additional capacity |
| | K-4 | | Maintain Elementary Schools with required upgrades.<br>• Maintain K-4 Grade Alignment<br>• No additional capacity |
| | | 9-12 | Maintain High School with required upgrades.<br>• Maintain as a 9-12 High School |

**DAO**

Maintain District Administration Building with required upgrades.
- Upgrades may occur at any building phase

**Pros**

- Maintain traditional buildings and facilities
- Maintain Grade alignments and feeder patterns
- Required Building upgrades

**Cons**

- Core facilities are maintained without increase in capacity or function
- No educational program upgrades
- No efficiencies realized by the sharing of facilities
- No simplification of transportation routes

## PROPOSED EDUCATIONAL PROGRAM — STATUS QUO

| | Building | Proposed Grade Alignment | Proposed Work | Functional Capacity DIST | Functional Capacity PDE | Highest Projected Enrollment Methods I ,II, III | Highest Projected Enrollment Current + 10% * |
|---|---|---|---|---|---|---|---|
|  | LEHIGHTON AREA MIDDLE SCHOOL | 5-8 | Maintain w/ upgrades Replace Modulars | 815 | 917 | | |
| Phase I | 5-8 TOTAL | | | 815 | 917 | 1,013 Method II | 810 2009-19 |
|  | EAST PENN ELEMENTARY SCHOOL | K-4 | Maintain w/ upgrades | 175 | 175 | | |
|  | FRANKLIN ELEMENTARY SCHOOL | K-4 | Maintain w/ upgrades | 375 | 375 | | |
|  | MAHONING ELEMENTARY SCHOOL | K-4 | Maintain w/ upgrades | 250 | 250 | | |
|  | SHULL-DAVID ELEMENTARY SCHOOL | K-4 | Maintain w/ upgrades | 350 | 350 | | |
| Phase II | K-4 TOTAL | | | 1,150 | 1,150 | 1,396 Method II | 1,031 2009-10 |
|  | LEHIGHTON AREA HIGH SCHOOL | 9-12 | Maintain w/ upgrades | 827 | 931 | | |
| Phase III | 9-12 TOTAL | | | 827 | 931 | 902 Method II | 861 2009-10 |
| | K-12 TOTAL | | | 2,792 | 2,998 | 3,311 Method II | 2,702 2009-10 |

* PDE allows 2009/10 or 2010/11 Current Enrollment + 10% to be used as Highest Projected Enrollment for Project Grades.

## Proposed Costs - "Status Quo"

| | | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|---|
| | Lehighton Area M.S. | $8,032,320 | $900,000 | $12,719,000 | $3,200,000 | $16,819,000 | $21,023,750 | $365,213 | $1,225,050 |
| **Phase I** | **5-8 Total** | **$8,032,320** | **$900,000** | **$12,719,000** | **$3,200,000** | **$16,819,000** | **$21,023,750** | **$365,213** | **$1,225,050** |
| | East Penn E.S. | $1,742,760 | $0 | $3,817,950 | $150,000 | $3,967,950 | $4,959,938 | $79,239 | $295,935 |
| | Franklin E.S. | $3,276,840 | $0 | $5,367,825 | $150,000 | $5,517,825 | $6,897,281 | $148,966 | $372,665 |
| | Mahoning E.S. | $2,115,000 | $0 | $4,235,200 | $150,000 | $4,385,200 | $5,481,500 | $96,197 | $318,571 |
| | Shull-David E.S. | $2,887,680 | $0 | $4,766,250 | $150,000 | $4,916,250 | $6,145,313 | $131,269 | $333,471 |
| **Phase II** | **K-4 Total** | **$10,022,280** | **$0** | **$18,187,225** | **$600,000** | **$18,787,225** | **$23,484,032** | **$455,671** | **$1,320,642** |
| | Lehighton Area H.S. | $8,875,920 | $0 | $6,110,250 | $250,000 | $6,360,250 | $7,950,313 | $361,613 | $239,973 |
| **Phase III** | **9-12 Total** | **$8,875,920** | **$0** | **$6,110,250** | **$250,000** | **$6,360,250** | **$7,950,313** | **$361,613** | **$239,973** |
| | **DAO Total** | **$239,494** | **$0** | **$288,500** | **$0** | **$288,500** | **$360,625** | **$10,895** | **$16,397** |

## PROPOSED BUILDING CAPACITY

## ELEMENTARY SCHOOLS -- STATUS QUO

| | EAST PENN ELEMENTARY | | | | | | | | FRANKLIN ELEMENTARY | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING K-4 | | | | PROPOSED K-4 | | | | EXISTING K-4 | | | | PROPOSED K-4 | | | |
| | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | |
| Educational Space | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE |
| Kindergarten Clsrm | 2 | 800 | 1,600 | 50 | 1 | 800 | 800 | 25 | 4 | 880 | 3,520 | 100 | 3 | 880 | 2,640 | 75 |
| First Grade Clsrm | 1 | 840 | 840 | 25 | 1 | 840 | 840 | 25 | 3 | 765 | 2,295 | 75 | 3 | 765 | 2,295 | 75 |
| Second Grade Clsrm | 2 | 870 | 1,740 | 50 | 1 | 870 | 870 | 25 | 3 | 800 | 2,400 | 75 | 3 | 800 | 2,400 | 75 |
| Third Grade Clsrm | 1 | 870 | 870 | 25 | 1 | 870 | 870 | 25 | 3 | 900 | 2,700 | 75 | 3 | 900 | 2,700 | 75 |
| Fourth Grade Clsrm | 1 | 760 | 760 | 25 | 2 | 800 | 1,600 | 50 | 2 | 900 | 1,800 | 50 | 3 | 900 | 2,700 | 75 |
| Support Clsrm 660+ SF | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Pre Kindergarten | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Modular Clsrm | | | | | | | | | 1 Fourth Grade | | | | | | | |
| Special Education Clsrm. | 2 | 780 | 1,560 | | 2 | 780 | 1,560 | | 2 | 900 | 1,800 | | 1 | 880 | 880 | |
| I.U. / S.E. Clsrm | 1 | 800 | 800 | | 1 | 760 | 760 | | | | 0 | | | | 0 | |
| Spec. Educ. Seminar / S.G.I. | | | 0 | | | | 0 | | 1 | 420 | 420 | | 1 | 420 | 420 | |
| Media Center | 1 | 865 | 865 | | 1 | 865 | 865 | | 1 | 1,300 | 1,300 | | 1 | 1,300 | 1,300 | |
| S.G.I. / Student Activity | 3 | 125 | 375 | | 3 | 125 | 375 | | 4 | 240 | 960 | | 4 | 240 | 960 | |
| Large Group Instruction | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Classroom | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Sci Proj Rm / Greenhouse | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Business / Computer Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Computer Lab | 1 | 420 | 420 | | 1 | 420 | 420 | | 1 | 400 | 400 | | 1 | 400 | 400 | |
| Art Classroom | 1 | 830 | 830 | | 1 | 830 | 830 | | 1 | 900 | 900 | | 1 | 900 | 900 | |
| Music Classroom | Share w/ Art | | | | 1 | 870 | 870 | | Share w/ Art | | | | 1 | 900 | 900 | |
| Band / Orchestra / Choral | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Music S.G.I. | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Family & Consumer Science | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| TE Shop | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Gymnasium 6500+ SF | 1 | 1,660 | 1,660 | | 1 | 1,660 | 1,660 | | 1 | 3,900 | 3,900 | | 1 | 3,900 | 3,900 | |
| Adaptive Gym / Wrestling | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Locker Room / Team Room | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Officials / P.E. Office | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Stage / Platform | 1 | 400 | 400 | | 1 | 400 | 400 | | 1 | 660 | 660 | | 1 | 660 | 660 | |
| Auditorium | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Student Dining | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Kitchen Areas | 1 | 650 | 650 | | 1 | 650 | 650 | | 1 | 1,000 | 1,000 | | 1 | 1,000 | 1,000 | |
| Administration / Guidance | 1 | 460 | 460 | | 1 | 460 | 460 | | 1 | 750 | 750 | | 1 | 750 | 750 | |
| Health Suite | 1 | 435 | 435 | | 1 | 435 | 435 | | 1 | 470 | 470 | | 1 | 470 | 470 | |
| Faculty Dining / Workroom | 1 | 515 | 515 | | 1 | 515 | 515 | | 1 | 590 | 590 | | 1 | 590 | 590 | |
| I.P.C. / Office | | | 0 | | | | 0 | | 1 | 250 | 250 | | 1 | 250 | 250 | |
| FUNCTIONAL CAPACITY | | | 175 | | | | 150 | | | | 375 | | | | 375 | |
| TOTAL CAPACITY | | | 175 | | | | 150 | | | | 375 | | | | 375 | |
| SPEC. EDUC. CAPACITY | | | 75 | | | | 75 | | | | 75 | | | | 50 | |
| SCHEDULED AREA | | | 14,780 SF | | | | 14,780 SF | | | | 26,115 SF | | | | 26,115 SF | |
| ARCHITECTURAL AREA | | | 24,270 SF | | | | 24,270 SF | | | | 39,915 SF | | | | 39,915 SF | |
| NEW ARCHITECTURAL AREA | | | | | | | 0 SF | | | | | | | | 0 SF | |
| CLSRM COUNT | 7 | | | | 6 | | | | 15 | | | | 15 | | | |
| S.E. COUNT | 3 | | | | 3 | | | | 2 | | | | 1 | | | |
| OTHER | 1 | | | | 2 | | | | 1 | | | | 2 | | | |
| TOTAL | 11 | | | | 11 | | | | 18 | | | | 18 | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.64 | | | | 1.64 | | | | 1.53 | | | | 1.53 | |

| | MAHONING ELEMENTARY | | | | | | | | SHULL-DAVID ELEMENTARY | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING K-4 | | | | PROPOSED K-4 | | | | EXISTING K-4 | | | | PROPOSED K-4 | | | |
| | | | Capacity | | | | Capacity | | | | Capacity | | | | Capacity | |
| Educational Space | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE | No. | Area | Total | PDE |
| Kindergarten Clsrm | 2 | 780 | 1,560 | 50 | 2 | 780 | 1,560 | 50 | 4 | 980 | 3,920 | 100 | 3 | 980 | 2,940 | 75 |
| First Grade Clsrm | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 2 | 910 | 1,820 | 50 | 3 | 910 | 2,730 | 75 |
| Second Grade Clsrm | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 4 | 975 | 3,900 | 100 | 3 | 975 | 2,925 | 75 |
| Third Grade Clsrm | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 2 | 910 | 1,820 | 50 | 3 | 910 | 2,730 | 75 |
| Fourth Grade Clsrm | 2 | 860 | 1,720 | 50 | 2 | 860 | 1,720 | 50 | 2 | 910 | 1,820 | 50 | 2 | 940 | 1,880 | 50 |
| Support Clsrm 660+ SF | 1 | 780 | 780 | 25 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Pre Kindergarten | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 | | | 0 | 0 |
| Modular Clsrm | | | | | | | | | 1 Third Grade | | | | | | | |
| Special Education Clsrm. | 1 | 780 | 780 | | 1 | 780 | 780 | | 2 | 870 | 1,740 | | 1 | 910 | 910 | |
| I.U. / S.E. Clsrm | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Spec. Educ. Seminar / S.G.I. | | | 0 | | | | 0 | | 1 | 200 | 200 | | 1 | 200 | 200 | |
| Media Center | 1 | 840 | 840 | | 1 | 850 | 850 | | 1 | 1,170 | 1,170 | | 1 | 1,170 | 1,170 | |
| S.G.I. / Student Activity | 1 | 335 | 335 | | 1 | 335 | 335 | | 4 | 305 | 1,220 | | 4 | 305 | 1,220 | |
| Large Group Instruction | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Classroom | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Science Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Sci Proj Rm / Greenhouse | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Business / Computer Lab | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Computer Lab | 1 | 350 | 350 | | 1 | 350 | 350 | | 1 | 325 | 325 | | 1 | 325 | 325 | |
| Art Classroom | 1 | 860 | 860 | | 1 | 860 | 860 | | 1 | 825 | 825 | | 1 | 825 | 825 | |
| Music Classroom | Share w/ Art | | | | 1 | 780 | 780 | | Share w/ Art | | | | 1 | 900 | 900 | |
| Band / Orchestra / Choral | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Music S.G.I. | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Family & Consumer Science | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| TE Shop | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Gymnasium 6500+ SF | 1 | 1,720 | 1,720 | | 1 | 1,720 | 1,720 | | 1 | 2,550 | 2,550 | | 1 | 2,550 | 2,550 | |
| Adaptive Gym / Wrestling | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Locker Room / Team Room | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Officials / P.E. Office | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Stage / Platform | 1 | 360 | 360 | | 1 | 360 | 360 | | 1 | 420 | 420 | | 1 | 420 | 420 | |
| Auditorium | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Student Dining | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| Kitchen Areas | 1 | 735 | 735 | | 1 | 735 | 735 | | 1 | 1,155 | 1,155 | | 1 | 1,155 | 1,155 | |
| Administration / Guidance | 1 | 800 | 800 | | 1 | 800 | 800 | | 1 | 1,100 | 1,100 | | 1 | 1,100 | 1,100 | |
| Health Suite | 1 | 430 | 430 | | 1 | 430 | 430 | | 1 | 530 | 530 | | 1 | 530 | 530 | |
| Faculty Dining / Workroom | 1 | 400 | 400 | | 1 | 400 | 400 | | 1 | 350 | 350 | | 1 | 350 | 350 | |
| I.P.C. / Office | | | 0 | | | | 0 | | 1 | 100 | 100 | | 1 | 100 | 100 | |
| FUNCTIONAL CAPACITY | | | 250 | | | | 250 | | | | 350 | | | | 350 | |
| TOTAL CAPACITY | | | 275 | | | | 250 | | | | 350 | | | | 350 | |
| SPEC. EDUC. CAPACITY | | | 25 | | | | 25 | | | | 50 | | | | 50 | |
| SCHEDULED AREA | | | 16,830 SF | | | | 16,840 SF | | | | 24,965 SF | | | | 24,960 SF | |
| ARCHITECTURAL AREA | | | 28,470 SF | | | | 28,470 SF | | | | 38,515 SF | | | | 38,515 SF | |
| NEW ARCHITECTURAL AREA | | | | | | | 0 SF | | | | | | | | 10,045 SF | |
| CLSRM COUNT | 11 | | | | 10 | | | | 14 | | | | 14 | | | |
| S.E. COUNT | 1 | | | | 1 | | | | 2 | | | | 1 | | | |
| OTHER | 1 | | | | 2 | | | | 1 | | | | 2 | | | |
| TOTAL | 13 | | | | 13 | | | | 17 | | | | 17 | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | | 1.69 | | | | 1.69 | | | | 1.54 | | | | 1.54 | |

| | 5-8 LEHIGHTON AREA MIDDLE SCHOOL | | | | | | | | | | 9-12 LEHIGHTON AREA HIGH SCHOOL | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | EXISTING 5-8 | | | | | PROPOSED 5-8 | | | | | EXISTING 9-12 | | | | | PROPOSED 9-12 | | | | |
| Educational Space | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE | No. | Area | Total | Dist. FTE | PDE FTE |
| Fifth Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 840 | 5,040 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Sixth Grade Reg Clsrm 660+ SF | 3 | 860 | 2,580 | 75 | 75 | 6 | 850 | 5,100 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Seventh Grade Reg Clsrm 660+ SF | 6 | 840 | 5,040 | 150 | 150 | 6 | 840 | 5,040 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Eighth Grade Reg Clsrm 660+ SF | 6 | 860 | 5,160 | 150 | 150 | 6 | 860 | 5,160 | 150 | 150 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| 9-12 Lang Arts Reg Clsrm 660+ SF | | | | | | | | | | | 7 | 830 | 5,810 | 175 | 175 | 7 | 830 | 5,810 | 175 | 175 |
| 9-12 F Lang Reg Clsrm 660+ SF | | | | | | | | | | | 2 | 830 | 1,660 | 50 | 50 | 2 | 830 | 1,660 | 50 | 50 |
| 9-12 Math Reg Clsrm 660+ SF | | | | | | | | | | | 5 | 780 | 3,900 | 125 | 125 | 5 | 780 | 3,900 | 125 | 125 |
| 9-12 Soc St Reg Clsrm 660+ SF | | | | | | | | | | | 6 | 780 | 4,680 | 150 | 150 | 6 | 780 | 4,680 | 150 | 150 |
| Reg Clsrm 660+ SF | 1 | 1,050 | 1,050 | 25 | 25 | 2 | 900 | 1,800 | 50 | 50 | 1 | 780 | 780 | 25 | 25 | 1 | 780 | 780 | 25 | 25 |
| Modular Clsrm | 4 | 3 Sixth Gr Clsrm & 1 Reg Clsrm | | | | | | | | | | | | | | | | | | |
| Special Education Clsrm. | 3 | 860 | 2,580 | | | 3 | 860 | 2,580 | | | 7 | 735 | 5,145 | | | 7 | 735 | 5,145 | | |
| Special Education Clsrm. (Divided) | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| I.U. / S.E. Clsrm | 1 | 840 | 840 | | | 1 | 840 | 840 | | | | | | | | | | | | |
| Spec. Educ. Seminar / S.G.I. | 6 | 350 | 2,100 | | | 6 | 350 | 2,100 | | | | | 0 | | | | | 0 | | |
| Media Center | 1 | 2,260 | 2,260 | | | 1 | 2,260 | 2,260 | | | 1 | 2,630 | 2,630 | | | 1 | 2,630 | 2,630 | | |
| T.V. Studio | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 1 | 500 | 500 | | | 1 | 500 | 500 | | |
| S.G.I. / Student Activity | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Large Group Instruction | | | 0 | | | | | 0 | | | | | 0 | | | | | 0 | | |
| Science Classroom | 4 | 840 | 3,360 | 100 | 100 | 4 | 840 | 3,360 | 100 | 100 | | | 0 | 0 | 0 | | | 0 | 0 | 0 |
| Science Lab | 4 | 1,120 | 4,480 | 80 | 80 | 4 | 1,120 | 4,480 | 80 | 80 | 7 | 1,100 | 7,700 | 140 | 140 | 7 | 1,100 | 7,700 | 140 | 140 |
| Sci Proj Rm / Greenhouse | | | 0 | | | | | 0 | | | 3 | 275 | 825 | | | 3 | 275 | 825 | | |
| Business / Computer Lab | | | 0 | 0 | 0 | | | 0 | 0 | 0 | 4 | 1,100 | 4,400 | 80 | 80 | 4 | 1,100 | 4,400 | 80 | 80 |
| Computer Lab | 2 | 890 | 1,780 | 40 | 40 | 2 | 890 | 1,780 | 40 | 40 | 1 | 745 | 745 | 20 | 20 | 1 | 745 | 745 | 20 | 20 |
| Art Classroom | 2 | 1,155 | 2,310 | 40 | 40 | 2 | 1,155 | 2,310 | 40 | 40 | 1 | 1,470 | 1,470 | 20 | 20 | 1 | 1,470 | 1,470 | 20 | 20 |
| Music Classroom | 1 | 850 | 850 | 25 | 25 | 1 | 850 | 850 | 25 | 25 | 1 | 850 | 850 | 25 | 25 | 1 | 850 | 850 | 25 | 25 |
| Band / Orchestra / Choral | 1 | 1,250 | 1,250 | 25 | 25 | 1 | 1,250 | 1,250 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 | 1 | 1,650 | 1,650 | 25 | 25 |
| Family & Consumer Science | 1 | 1,700 | 1,700 | 20 | 20 | 1 | 1,700 | 1,700 | 20 | 20 | 2 | 1,185 | 2,370 | 40 | 40 | 2 | 1,185 | 2,370 | 40 | 40 |
| TE Shop | 2 | 2,130 | 4,260 | 40 | 40 | 2 | 2,130 | 4,260 | 40 | 40 | 3 | 2,415 | 7,245 | 60 | 60 | 3 | 2,415 | 7,245 | 60 | 60 |
| Gymnasium 6500+ SF | 1 | 10,620 | 10,620 | 99 | 99 | 1 | 10,620 | 10,620 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 | 1 | 9,900 | 9,900 | 99 | 99 |
| Adaptive Gym / Wrestling 1000+ SF | 1 | 1,415 | 1,415 | | | 1 | 1,415 | 1,415 | | | 1 | 1,680 | 1,680 | | | 1 | 1,680 | 1,680 | | |
| Locker Room / Team Room | 2 | 1,445 | 2,890 | | | 2 | 1,445 | 2,890 | | | 2 | 870 | 1,740 | | | 2 | 870 | 1,740 | | |
| Wrestling / Weight Rm | | | 0 | | | | | 0 | | | 1 | 1,650 | 1,650 | | | 1 | 1,650 | 1,650 | | |
| Training Room / Whirlpool | | | 0 | | | | | 0 | | | 2 | 100 | 200 | | | 2 | 100 | 200 | | |
| Officials / P.E. Office | 3 | 190 | 570 | | | 3 | 190 | 570 | | | 2 | 70 | 140 | | | 2 | 70 | 140 | | |
| Stage / Platform | 1 | 1,600 | 1,600 | | | 1 | 1,600 | 1,600 | | | 1 | 1,930 | 1,930 | | | 1 | 1,930 | 1,930 | | |
| Auditorium | 1 | 6,430 | 6,430 | | | 1 | 6,430 | 6,430 | | | 1 | 9,000 | 9,000 | | | 1 | 9,000 | 9,000 | | |
| Student Dining | 1 | 2,900 | 2,900 | | | 1 | 2,900 | 2,900 | | | 1 | 5,100 | 5,100 | | | 1 | 5,100 | 5,100 | | |
| Kitchen Areas | 1 | 1,930 | 1,930 | | | 1 | 1,930 | 1,930 | | | 1 | 4,270 | 4,270 | | | 1 | 4,270 | 4,270 | | |
| Administration / Guidance | 1 | 2,140 | 2,140 | | | 1 | 2,140 | 2,140 | | | 1 | 3,860 | 3,860 | | | 1 | 3,860 | 3,860 | | |
| Health Suite | 1 | 830 | 830 | | | 1 | 830 | 830 | | | 1 | 660 | 660 | | | 1 | 660 | 660 | | |
| Faculty Dining / Workroom | 1 | 400 | 400 | | | 1 | 400 | 400 | | | 2 | 575 | 1,150 | | | 2 | 575 | 1,150 | | |
| I.P.C. / Office | 2 | 320 | 640 | | | 2 | 320 | 640 | | | 3 | 185 | 555 | | | 3 | 185 | 555 | | |
| FUNCTIONAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 827 | 931 | | | | 827 | 931 |
| TOTAL CAPACITY | | | | 815 | 917 | | | | 895 | 1,007 | | | | 827 | 931 | | | | 827 | 931 |
| SPEC. EDUC. CAPACITY | | | | 50 | 125 | | | | 50 | 125 | | | | 70 | 175 | | | | 70 | 175 |
| SCHEDULED AREA | | | 79,005 SF | | | | | 82,275 SF | | | | | 78,145 SF | | | | | 78,145 SF | | |
| ARCHITECTURAL AREA | | | 118,450 SF | | | | | 123,450 SF | | | | | 148,940 SF | | | | | 148,940 SF | | |
| NEW ARCHITECTURAL AREA | | | | | | | | 5,000 SF | | | | | | | | | | 0 SF | | |
| CLSRM COUNT | 26 | (4 Modular Clsrms) | | | | 26 | | | | | 21 | | | | | 21 | | | | |
| S.E. COUNT | 4 | | | | | 4 | | | | | 7 | | | | | 7 | | | | |
| TOTAL | 30 | | | | | 30 | | | | | 28 | | | | | 28 | | | | |
| ADDITIONAL CLASSROOMS | | | | | | | | | | | | | | | | | | | | |
| S.A. / ARCH. AREA FACTOR | | 1.499 | | | | | 1.500 | | | | | 1.906 | | | | | 1.906 | | | |

| | Dist Bldg. FTE | PDE Adj. New FTE | RPC | ** Reimb. Factor | Max Elig. Reimb. | Constr. New S.F. | Constr. Cost for Additions | Renov. Exist. S.F. | Renov. Study Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | ** % M.E.R. to T.P.C. | Aid Ratio | % State Share | % Local Share | + Annual Total Share | + Annual State Share | + Annual Local Share | Millage Equiv. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lehighton Area Middle School | 895 | 497 | 696 | 4,700 | 3,271,200 | 5,000 | 900,000 | 118,450 | 12,719,000 | 3,200,000 | 16,819,000 | 21,023,750 | 0.3821 | 0.6011 | 22.97% | 77.03% | 1,590,263 | 365,213 | 1,225,050 | 3.63 |
| | | *Existing | 696 | 470 | 327,120 | Replace | | | | | | | | | | | | | | |
| | | *LEED | 696 | 470 | 327,120 | Modulars | | | | | | | | | | | | | | |
| | | 497 | 552 | 6,200 | 3,422,400 | | | | | | | | | | | | | | | |
| | | *Existing | 552 | 620 | 342,240 | | | | | | | | | | | | | | | |
| | | *LEED | 552 | 620 | 342,240 | | | | | | | | | | | | | | | |
| | | | | | **8,032,320** | | | | | | | | | | | | | | | |
| **5-8 Total** | **895** | **994** | **1,248** | | **$8,032,320** | **5,000** | **$900,000** | **118,450** | **$12,719,000** | **$3,200,000** | **$16,819,000** | **$21,023,750** | | **0.6011** | | | **$1,590,263** | **$365,213** | **$1,225,050** | **3.63** |
| East Penn Elementary | 150 | 221 | 309 | 4,700 | 1,452,300 | 0 | 0 | 24,270 | 3,817,950 | 150,000 | 3,967,950 | 4,959,938 | 0.3514 | 0.6011 | 21.12% | 78.88% | 375,174 | 79,239 | 295,935 | 0.88 |
| | | *Existing | 309 | 470 | 145,230 | | | | | | | | | | | | | | | |
| | | *LEED | 309 | 470 | 145,230 | | | | | | | | | | | | | | | |
| | | | | | **1,742,760** | | | | | | | | | | | | | | | |
| Franklin Elementary | 375 | 415 | 581 | 4,700 | 2,730,700 | 0 | 0 | 39,915 | 5,367,825 | 150,000 | 5,517,825 | 6,897,281 | 0.4751 | 0.6011 | 28.56% | 71.44% | 521,631 | 148,966 | 372,665 | 1.11 |
| | | *Existing | 581 | 470 | 273,070 | | | | | | | | | | | | | | | |
| | | *LEED | 581 | 470 | 273,070 | | | | | | | | | | | | | | | |
| | | | | | **3,276,840** | | | | | | | | | | | | | | | |
| Mahoning Elementary | 250 | 268 | 375 | 4,700 | 1,762,500 | 0 | 0 | 28,470 | 4,235,200 | 150,000 | 4,385,200 | 5,481,500 | 0.3858 | 0.6011 | 23.19% | 76.81% | 414,768 | 96,197 | 318,571 | 0.94 |
| | | *Existing | 375 | 470 | 176,250 | | | | | | | | | | | | | | | |
| | | *LEED | 375 | 470 | 176,250 | | | | | | | | | | | | | | | |
| | | | | | **2,115,000** | | | | | | | | | | | | | | | |
| Shull-David Elementary | 350 | 366 | 512 | 4,700 | 2,406,400 | 0 | 0 | 38,515 | 4,766,250 | 150,000 | 4,916,250 | 6,145,313 | 0.4699 | 0.6011 | 28.25% | 71.75% | 464,740 | 131,269 | 333,471 | 0.99 |
| | | *Existing | 512 | 470 | 240,640 | | | | | | | | | | | | | | | |
| | | *LEED | 512 | 470 | 240,640 | | | | | | | | | | | | | | | |
| | | | | | **2,887,680** | | | | | | | | | | | | | | | |
| **K-4 Total** | **1,125** | **1,270** | **1,777** | | **$10,022,280** | **0** | **$0** | **131,170** | **$18,187,225** | **$600,000** | **$18,787,225** | **$23,484,032** | | **0.6011** | | | **$1,776,313** | **$455,671** | **$1,320,642** | **3.92** |
| Lehighton Area High School | 931 | 1,080 | 1,193 | 6,200 | 7,396,600 | 0 | 0 | 148,940 | 6,110,250 | 250,000 | 6,360,250 | 7,950,313 | 1.0000 | 0.6011 | 60.11% | 39.89% | 601,586 | 361,613 | 239,973 | 0.71 |
| | | *Existing | 1,193 | 620 | 739,660 | | | | | | | | | | | | | | | |
| | | *LEED | 1,193 | 620 | 739,660 | | | | | | | | | | | | | | | |
| **9-12 Total** | **931** | **1,080** | **1,193** | | **$8,875,920** | **0** | **$0** | **148,940** | **$6,110,250** | **$250,000** | **$6,360,250** | **$7,950,313** | | **0.6011** | | | **$601,586** | **$361,613** | **$239,973** | **0.71** |
| **K-12 Total** | **2,951** | **3,344** | | | **$26,930,520** | **5,000** | **$900,000** | **398,560** | **$37,016,475** | **$4,050,000** | **$41,966,475** | **$52,458,095** | | **0.6011** | | | **$3,968,162** | **$1,182,497** | **$2,785,665** | **8.26** |
| District Administration Building | 29 | 29 | 32 | 6,200 | 199,578 | 0 | 0 | 148,940 | 288,500 | 0 | 288,500 | 360,625 | 0.6641 | 0.6011 | 39.92% | 60.08% | 27,292 | 10,895 | 16,397 | 0.05 |
| | | *Existing | 32 | 620 | 19,958 | | | | | | | | | | | | | | | |
| | | *LEED | 32 | 620 | 19,958 | | | | | | | | | | | | | | | |
| **DAO Total** | **29** | **29** | **32** | | **$239,494** | **0** | **$0** | **148,940** | **$288,500** | **$0** | **$288,500** | **$360,625** | | **0.6011** | | | **$27,292** | **$10,895** | **$16,397** | **0.05** |

OPTION 6

**OPTION 6** **NEW ELEMENTARY CENTER**

**Proposed Building Phases (TBD)**

| | | |
|---|---|---|
| **K-5** | | |

New Elementary School
- Design as a K-2 Primary / 3-5 Elementary Center
- Design as two Schools within a School with shared core facilites.
- Design Elementary Center located on Campus site with Middle & High Schools

| | | |
|---|---|---|
| **6-8** | | |

Alterations & Additions to Existing Middle School with required upgrades
- Grade re-alignment to 6-8 Middle School

| | | |
|---|---|---|
| **9-12** | | |

Maintain High School with required upgrades.
- Maintain as a 9-12 High School

| | | |
|---|---|---|
| **X** | | |

Close Existing Elementary Schools

**DAO**

Maintain District Administration Building with required upgrades.
- Upgrades may occur at any building phase

**Pros**
- Design new Elementary Center to accommodate educational program
- Grade re-alignment of Elementary & Middle School program
- Re-use of existing Middle School; no proposed additions to core facilities
- Simplified transportation to one Elementary Center
- K-12 School facillites share same overall Campus site

**Cons**
- Extensive renovations and alterations needed to existing Middle School
- Closing of four existing Elementary Schools
- Minimal alterations to High School

## PROPOSED EDUCATIONAL PROGRAM — OPTION 6

| Building | Proposed Grade Alignment | Proposed Work | Capacity | | Highest Projected Enrollment | |
|---|---|---|---|---|---|---|
| | | | Functional | Total | PDE | Current + 10% * |
| NEW ELEMENTARY SCHOOL | K-5 | New Construction | 1,200 | 1,300 | | |
| EAST PENN ELEMENTARY SCHOOL | | Close | | | | |
| FRANKLIN ELEMENTARY SCHOOL | | Close | | | | |
| MAHONING ELEMENTARY SCHOOL | | Close | | | | |
| SHULL-DAVID ELEMENTARY SCHOOL | | Close | | | | |
| **K-5 TOTAL** | | | 1,200 | 1,300 | 1,281 | 1,190 |
| LEHIGHTON AREA NEW MIDDLE SCHOOL | 6-8 | Alterations & Additions | 870 | 870 | | |
| **6-8 TOTAL** | | | 870 | 870 | 693 | 598 |
| LEHIGHTON AREA HIGH SCHOOL | 9-12 | Upgrades & Renovations | 930 | 930 | | |
| **9-12 TOTAL** | | | 930 | 930 | 865 | 793 |
| **K-12 TOTAL** | | | 3,000 | 3,100 | 2,600 | 2,582 |

* PDE allows 2011/12 or Current Enrollment + 10% to be used as Highest Projected Enrollment for Project Grades.

** Elementary *Fuctional Capacity* are Graded Classrooms K-5; *Special Education Capacity* is not included in the Functional Capacity or Total Capacity.

## Proposed Option Costs - Option 6 New K-2 Primary / 3-5 Elementary Center

| | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Total Constr. Cost | Total Project Cost | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|
| New Elem. Center | $8,799,300 | $26,600,000 | $0 | $26,600,000 | $32,500,000 | $384,400 | $1,977,400 |
| East Penn E.S. | Close | | | | | | |
| Franklin E.S. | Close | | | | | | |
| Mahoning E.S. | Close | | | | | | |
| Shull-David E.S. | Close | | | | | | |
| **E.S. Total** | **$8,799,300** | **$26,600,000** | **$0** | **$26,600,000** | **$32,500,000** | **$384,400** | **$1,977,400** |
| Lehighton Area M.S. PlanCon work | $5,737,000 | $600,000 | $7,800,000 | $8,400,000 | $10,700,000 | $256,000 | $538,200 |
| **M.S. PlanCon Sub-Total *** | **$5,737,000** | **$600,000** | **$7,800,000** | **$8,400,000** | **$10,700,000** | **$256,000** | **$538,200** |
| Lehighton Area H.S. | $8,198,800 | $0 | $7,400,000 | $7,400,000 | $9,300,000 | $370,700 | $328,900 |
| **H.S. Total** | **$8,198,800** | **$0** | **$7,400,000** | **$7,400,000** | **$9,300,000** | **$370,700** | **$328,900** |
| **PlanCon K-12 Total** | **$22,735,100** | **$27,200,000** | **$15,200,000** | **$42,400,000** | **$52,500,000** | **$1,011,100** | **$2,844,500** |
| Lehighton Area M.S. ESCO work | N/A | $0 | $3,440,000 | $3,440,000 | $4,300,000 | N/A | N/A |
| **M.S. ESCO Sub-Total *** | **N/A** | **$0** | **$3,440,000** | **$3,440,000** | **$4,300,000** | **N/A** | **N/A** |

# PROPOSED K-5, 6-8 ROOM SCHEDULE

| | | K-4 EXISTING | | | Close | K-4 EXISTING | | | Close | K-4 EXISTING | | | Close | K-4 EXISTING | | | Close |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | EAST PENN E.S. | | | | FRANKLIN E.S. | | | | MAHONING E.S. | | | | SHULL-DAVID E.S. | | | |
| CLASSROOMS | | No. | Area | Cap. | | No. | Area | Cap. | | No. | Area | Cap. | | No. | Area | Cap. | |
| | Kindergarten Clsrm | 2 | 800 | 50 | | 4 | 880 | 100 | | 2 | 780 | 50 | | 4 | 980 | 100 | |
| | First Grade Clsrm | 1 | 840 | 25 | | 3 | 765 | 75 | | 2 | 860 | 50 | | 2 | 910 | 50 | |
| | Second Grade Clsrm | 2 | 870 | 50 | | 3 | 800 | 75 | | 2 | 860 | 50 | | 4 | 975 | 100 | |
| | Third Grade Clsrm | 1 | 870 | 25 | | 3 | 900 | 75 | | 2 | 860 | 50 | | 2 | 910 | 50 | |
| | Fourth Grade Clsrm | 1 | 760 | 25 | | 2 | 900 | 50 | | 2 | 860 | 50 | | 2 | 910 | 50 | |
| | Fifth Grade Clsrm | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| | Sixth Grade Clsrm | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| | Seventh Grade Clsrm | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| | Eighth Grade Clsrm | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| SUPPORT | Support / Divided Clsrm | | | 0 | | | | 0 | | 1 | 780 | 25 | | | | 0 | |
| | Pre K / Head Start Clsrm | | | 0 | | | | 0 | | | | 0 | | | | 0 | |
| | Special Education Clsrm | 3 | 785 | | | 2 | 900 | | | 1 | 780 | | | 2 | 870 | | |
| | Spec. Educ. S.G.I. | | | | | 1 | 420 | | | | | | | 1 | 200 | | |
| | Modular Clsrm | | | | | 1 | Fourth Grade | | | | | | | 1 | Third Grade | | |
| | S.G.I. / Student Activity | 3 | 125 | | | 4 | 240 | | | 1 | 335 | | | 4 | 305 | | |
| | Science Classroom | | | | | | | | | | | | | | | | |
| | Science Lab | | | | | | | | | | | | | | | | |
| | Computer Lab | 1 | 420 | | | 1 | 400 | | | 1 | 350 | | | 1 | 325 | | |
| | Art Classroom | 1 | 830 | | | 1 | 900 | | | 1 | 860 | | | 1 | 825 | | |
| | Music Classroom | Share w/ Art | | | | Share w/ Art | | | | Share w/ Art | | | | Share w/ Art | | | |
| | Band / Orchestra / Choral | | | | | | | | | | | | | | | | |
| | F.C.S. | | | | | | | | | | | | | | | | |
| | TE Shop | | | | | | | | | | | | | | | | |
| ANCILLARY / CORE AREAS | Media Center | 1 | 865 | | | 1 | 1300 | | | 1 | 840 | | | 1 | 1170 | | |
| | Gymnasium 6500+ SF | 1 | 1660 | | | 1 | 3900 | | | 1 | 1720 | | | 1 | 2550 | | |
| | Locker Rm / Team Rm | | | | | | | | | | | | | | | | |
| | Officials / P.E. Office | | | | | 1 | 250 | | | | | | | | | | |
| | Stage / Platform | 1 | 400 | | | 1 | 660 | | | 1 | 360 | | | 1 | 420 | | |
| | Auditorium | | | | | | | | | | | | | | | | |
| | Student Dining | | | | | | | | | | | | | | | | |
| | Kitchen Areas | 1 | 650 | | | 1 | 1000 | | | 1 | 735 | | | 1 | 1155 | | |
| | Administration / Guidance | 1 | 460 | | | 1 | 750 | | | 1 | 800 | | | 1 | 1100 | | |
| | Health Suite | 1 | 435 | | | 1 | 470 | | | 1 | 430 | | | 1 | 530 | | |
| | Faculty Dining / Workrm | 1 | 515 | | | 1 | 590 | | | 1 | 400 | | | 1 | 350 | | |
| | I.P.C. / Office | | | | | | | | | | | | | 1 | 100 | | |
| | CAPACITY | | | 175 | | | | 375 | | | | 250 | | | | 350 | |
| | TOTAL CAPACITY | | | 175 | | | | 375 | | | | 275 | | | | 350 | |
| | ARCHITECTURAL AREA | | | 24,270 SF | | | | 39,915 SF | | | | 33,000 SF | | | | 38,515 SF | |
| | NEW ARCH. AREA | | | | | | | | | | | | | | | | |

# OPTION 6

| K-5 PROPOSED | | | | 5-8 EXISTING | | | 6-8 PROPOSED | | | | K-8 EXISTING | | K-8 PROPOSED | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW ES | | | | MIDDLE SCHOOL | | | | | | | TOTAL | | | | | |
| No. | Area | Total | Cap. | No. | Area | Cap. | No. | Area | Total | Cap. | No. | Cap. | | Cap. | | |
| 11 | 850 | 9350 | 200 | | | 0 | | | 0 | 0 | 12 | 300 | 11 | 200 | Kindergarten Clsrm | CLASSROOMS |
| 9 | 850 | 7650 | 200 | | | 0 | | | 0 | 0 | 8 | 200 | 9 | 200 | First Grade Clsrm | |
| 8 | 850 | 6800 | 200 | | | 0 | | | 0 | 0 | 11 | 275 | 8 | 200 | Second Grade Clsrm | |
| 8 | 850 | 6800 | 200 | | | 0 | | | 0 | 0 | 8 | 200 | 8 | 200 | Third Grade Clsrm | |
| 8 | 850 | 6800 | 200 | | | 0 | | | 0 | 0 | 7 | 175 | 8 | 200 | Fourth Grade Clsrm | |
| 8 | 850 | 6800 | 200 | 6 | 840 | 150 | | | 0 | 0 | 6 | 150 | 8 | 200 | Fifth Grade Clsrm | |
| | | 0 | 0 | 3 | 860 | 75 | 6 | 850 | 5100 | 150 | 3 | 75 | 6 | 150 | Sixth Grade Clsrm | |
| | | 0 | 0 | 6 | 840 | 150 | 6 | 850 | 5100 | 150 | 6 | 150 | 6 | 150 | Seventh Grade Clsrm | |
| | | 0 | 0 | 6 | 860 | 150 | 6 | 850 | 5100 | 150 | 6 | 150 | 6 | 150 | Eighth Grade Clsrm | |
| 4 | 850 | 3400 | 100 | 1 | 1050 | 25 | 3 | 850 | 2550 | 75 | 2 | 50 | 7 | 175 | Support / Divided Clsrm | SUPPORT |
| 2 | 850 | 1700 | 50 | | | 0 | | | 0 | 0 | 0 | 0 | 2 | 50 | Pre Kindergarten | |
| 6 | 850 | 5100 | | 3 | 860 | | 3 | 850 | 2550 | | 11 | | 9 | | Special Education Clsrm | |
| | | 0 | | 6 | 350 | | 2 | 350 | 700 | | 8 | | 2 | | Spec. Educ. S.G.I. | |
| | | | | 4 | *3 6th Gr Clsrm & 1 Clsrm | | | | | | | 6 | | 0 | | Modular Clsrm | |
| | | 0 | | | | | | | | | 12 | | 0 | | S.G.I. / Student Activity | |
| | | 0 | | 4 | 840 | 100 | 2 | 850 | 1700 | 50 | 4 | 100 | 2 | 50 | Science Classroom | |
| | | 0 | | 4 | 1120 | 80 | 4 | 1120 | 4480 | 80 | 4 | 80 | 4 | 80 | Science Lab | |
| | | 0 | | 2 | 890 | 40 | 2 | 890 | 1780 | 40 | 6 | 40 | 2 | 40 | Computer Lab | |
| 2 | 1000 | 2000 | | 2 | 1155 | 40 | 2 | 1155 | 2310 | 40 | 6 | 40 | 4 | 40 | Art Classroom | |
| 1 | 1000 | 1000 | | 1 | 850 | 25 | 1 | 850 | 850 | 25 | 1 | 25 | 2 | 25 | Music Classroom | |
| | | 0 | | 1 | 1250 | 25 | 1 | 1250 | 1250 | 25 | 1 | 25 | 1 | 25 | Band / Orchestra / Choral | |
| | | 0 | | 1 | 1700 | 20 | 2 | 1500 | 3000 | 40 | 1 | 20 | 2 | 40 | F.C.S. | |
| | | 0 | | 2 | 2130 | 40 | 2 | 2130 | 4260 | 40 | 2 | 40 | 2 | 40 | TE Shop | |
| 1 | 3600 | 3600 | | 1 | 2260 | | 1 | 2260 | 2260 | | 5 | | 2 | | Media Center | ANCILLARY / CORE AREAS |
| 1 | 12000 | 12000 | | 1 | 10620 | 99 | 1 | 10620 | 10620 | 99 | 5 | 99 | 2 | 99 | Gymnasium 6500+ SF | |
| 2 | 1000 | 2000 | | 2 | 1445 | | 2 | 1445 | 2890 | | 2 | | 4 | | Locker Rm / Team Rm | |
| 1 | 150 | 150 | | 3 | 190 | | 3 | 190 | 570 | | 4 | | 4 | | Officials / P.E. Office | |
| 1 | 1200 | 1200 | | 1 | 1600 | | 1 | 1600 | 1600 | | 5 | | 2 | | Stage / Platform | |
| | | 0 | | 1 | 6430 | | 1 | 6430 | 6430 | | 1 | | 1 | | Auditorium | |
| 1 | 4600 | 4600 | | 1 | 2900 | | 1 | 3800 | 3800 | | 1 | | 2 | | Student Dining | |
| 1 | 3600 | 3600 | | 1 | 1930 | | 1 | 3000 | 3000 | | 5 | | 2 | | Kitchen Areas | |
| 1 | 3600 | 3600 | | 1 | 2140 | | 1 | 3400 | 3400 | | 5 | | 2 | | Administration / Guidance | |
| 1 | 1000 | 1000 | | 1 | 830 | | 1 | 830 | 830 | | 5 | | 2 | | Health Suite | |
| 1 | 850 | 850 | | 1 | 400 | | 1 | 550 | 550 | | 5 | | 2 | | Faculty Dining / Workrm | |
| 2 | 425 | 850 | | 2 | 320 | | 2 | 320 | 640 | | 3 | | 4 | | I.P.C. / Office | |
| | | 1200 | | | | 915 | | | 866 | | 2065 | | 2066 | | CAPACITY | |
| | | 1300 | | | | 915 | | | 866 | | 2090 | | 2166 | | TOTAL CAPACITY | |
| | | 144,000 | SF | | | 118,450 | SF | | 121,450 | SF | | | | | ARCHITECTURAL AREA | |
| | | 144,000 | SF | | | | | | 3,000 | SF | | | | | NEW ARCH. AREA | |

# PROPOSED 9-12 ROOM SCHEDULE — OPTION 6

| | | 9-12 EXISTING | | | | 9-12 PROPOSED | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | HIGH SCHOOL | | | | | | | | |
| | | No. | Area | | Cap. | No. | Area | | Cap. | |
| CLASSROOMS | 9-12 Lang Arts Reg Clsrm | 7 | 830 | 5,810 | 175 | 7 | 830 | 5,810 | 175 | CLASSROOMS |
| | 9-12 F Lang Reg Clsrm | 2 | 830 | 1,660 | 50 | 2 | 830 | 1,660 | 50 | |
| | 9-12 Math Reg Clsrm | 5 | 780 | 3,900 | 125 | 5 | 780 | 3,900 | 125 | |
| | 9-12 Soc St Reg Clsrm | 6 | 780 | 4,680 | 150 | 6 | 780 | 4,680 | 150 | |
| | Reg Clsrm 660+ SF | 1 | 780 | 780 | 25 | 1 | 780 | 780 | 25 | |
| | Science Lab | 7 | 1,100 | 7,700 | 140 | 7 | 1,100 | 7,700 | 140 | |
| SUPPORT | Special Education Clsrm. | 7 | 735 | 5,145 | | 7 | 735 | 5,145 | | SUPPORT |
| | I.U. / S.E. Clsrm | | | | | | | | | |
| | Spec. Educ. Seminar / S.G.I. | | | 0 | | | | 0 | | |
| | S.G.I. / Student Activity | | | 0 | | | | 0 | | |
| | Sci Proj Rm / Greenhouse | 3 | 275 | 825 | | 3 | 275 | 825 | | |
| | Business / Computer Lab | 4 | 1,100 | 4,400 | 80 | 4 | 1,100 | 4,400 | 80 | |
| | Business / Computer Lab | 1 | 745 | 745 | 20 | 1 | 745 | 745 | 20 | |
| | T.V. Studio | 1 | 500 | 500 | | 1 | 500 | 500 | | |
| | Art Classroom | 1 | 1,470 | 1,470 | 20 | 1 | 1,470 | 1,470 | 20 | |
| | Music Classroom | 1 | 850 | 850 | 25 | 1 | 850 | 850 | 25 | |
| | Band / Orchestra / Choral | 1 | 1,650 | 1,650 | 25 | 1 | 1,650 | 1,650 | 25 | |
| | Family & Consumer Science | 2 | 1,185 | 2,370 | 40 | 2 | 1,185 | 2,370 | 40 | |
| | TE Shop | 3 | 2,415 | 7,245 | 60 | 3 | 2,415 | 7,245 | 60 | |
| ANCILLARY / CORE AREAS | Media Center | 1 | 2,630 | 2,630 | | 1 | 2,630 | 2,630 | | ANCILLARY / CORE AREAS |
| | Gymnasium 6500+ SF | 1 | 9,900 | 9,900 | 99 | 1 | 9,900 | 9,900 | 99 | |
| | Adapt. Gym / Wrestling | 1 | 1,680 | 1,680 | | 1 | 1,680 | 1,680 | | |
| | Locker Room / Team Room | 2 | 870 | 1,740 | | 2 | 870 | 1,740 | | |
| | Wrestling / Weight Rm | 1 | 1,650 | 1,650 | | 1 | 1,650 | 1,650 | | |
| | Training Room / Whirlpool | 2 | 100 | 200 | | 2 | 100 | 200 | | |
| | Officials / P.E. Office | 2 | 70 | 140 | | 2 | 70 | 140 | | |
| | Stage / Platform | 1 | 1,930 | 1,930 | | 1 | 1,930 | 1,930 | | |
| | Auditorium | 1 | 9,000 | 9,000 | | 1 | 9,000 | 9,000 | | |
| | Student Dining | 1 | 5,100 | 5,100 | | 1 | 5,100 | 5,100 | | |
| | Kitchen Areas | 1 | 4,270 | 4,270 | | 1 | 4,270 | 4,270 | | |
| | Administration / Guidance | 1 | 3,860 | 3,860 | | 1 | 3,860 | 3,860 | | |
| | Health Suite | 1 | 660 | 660 | | 1 | 660 | 660 | | |
| | Faculty Dining / Workroom | 2 | 575 | 1,150 | | 2 | 575 | 1,150 | | |
| | I.P.C. / Office | 3 | 185 | 555 | | 3 | 185 | 555 | | |
| | CAPACITY | | | | 930 | | | | 930 | |
| | TOTAL CAPACITY | | | | 930 | | | | 930 | |
| | ARCHITECTURAL AREA | | | 148,940 | | | | 148,148 | SF | |
| | NEW ARCH. AREA | | | | | | | 0 | SF | |

# PROJECTED REIMBURSEMENT

## K-5 OPTION 4 Elementary Schools - Shown for comparison

| | PDE Adj. New FTE | RPC | ** Reimb. Factor | Max Elig. Reimb. | Constr. New S.F. | Constr. Cost for Additions | Renov. Exist. S.F. | Renov. Study Cost | Total Constr. Cost |
|---|---|---|---|---|---|---|---|---|---|
| K-5 East Penn Elementary | 330 | 462 | 4,700 | 2,171,400 | 18,000 | 3,240,000 | 24,270 | 2,910,000 | 6,150,000 |
| | Existing | 462 | 470 | 217,100 | | | | | |
| | LEED | 462 | 470 | 217,100 | | | | | |
| | | | | **2,605,600** | | | | | |
| K-5 Mahoning Elementary | 330 | 462 | 4,700 | 2,171,400 | 18,000 | 3,240,000 | 24,270 | 2,910,000 | 6,150,000 |
| | Existing | 462 | 470 | 217,100 | | | | | |
| | LEED | 462 | 470 | 217,100 | | | | | |
| K-5 Franklin Elementary | 520 | 726 | 4,700 | 3,412,200 | 19,000 | 3,420,000 | 39,915 | 5,500,000 | 8,920,000 |
| | Existing | 726 | 470 | 341,200 | | | | | |
| | LEED | 726 | 470 | 341,200 | | | | | |
| | | | | **4,094,600** | | | | | |
| K-5 Shull David Elementary | 330 | 462 | 4,700 | 2,171,400 | 2,000 | 360,000 | 38,515 | 5,100,000 | 5,460,000 |
| | Existing | 462 | 470 | 217,100 | | | | | |
| | LEED | 462 | 470 | 217,100 | | | | | |
| | | | | **2,605,600** | | | | | |
| **K-5 Total** | | | | **$11,911,400** | **57,000** | **$10,260,000** | **126,970** | **$16,420,000** | **$26,680,000** |

Note: Annual Total Share accounts for $750,000 A.C.E. Grants for East Penn & Mahoning Elementary Schools

## K-5 OPTION 1 Elementary Center

| | PDE Adj. New FTE | RPC | ** Reimb. Factor | Max Elig. Reimb. | Constr. New S.F. | Constr. Cost for Additions | Renov. Exist. S.F. | Renov. Study Cost | Total Constr. Cost |
|---|---|---|---|---|---|---|---|---|---|
| New K-2 Primary 3-5 Elementary | 1,410 | 1,702 | 4,700 | 7,999,400 | 140,000 | 26,600,000 | 0 | 0 | 26,600,000 |
| | Existing | | 470 | 0 | | | | | |
| | LEED | 1,702 | 470 | 799,900 | | | | | |
| **K-5 Total** | | | | **$8,799,300** | **140,000** | **$26,600,000** | **0** | **$0** | **$26,600,000** |
| 6-8 Lehighton Area M.S. PlanCon work | 237 | 322 | 4,700 | 1,513,400 | 3,000 | 600,000 | 118,450 | 7,800,000 | 8,400,000 |
| | Existing | 322 | 470 | 151,340 | | | | | |
| | LEED | 322 | 470 | 151,340 | | | | | |
| | 475 | 527 | 6,200 | 3,267,400 | | | | | |
| | Existing | 527 | 620 | 326,740 | | | | | |
| | LEED | 527 | 620 | 326,740 | | | | | |
| **6-8 PlanCon** | | | | **$5,737,000** | **3,000** | **$600,000** | **118,450** | **$7,800,000** | **$8,400,000** |
| 9-12 Lehighton Area H.S. | 993 | 1102 | 6,200 | 6,832,400 | 0 | 0 | 148,940 | 7,400,000 | 7,400,000 |
| | Existing | 1102 | 620 | 683,200 | | | | | |
| | LEED | 1102 | 620 | 683,200 | | | | | |
| **9-12 Total** | | | | **$8,198,800** | **0** | **$0** | **148,940** | **$7,400,000** | **$7,400,000** |
| **K-12 Total** | | | | **$22,735,100** | **143,000** | **$27,200,000** | **267,390** | **$15,200,000** | **$42,400,000** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 6-8 Lehighton Area M.S. ESCO work | | | | N/A | 0 | 0 | 0 | 3,440,000 | 3,440,000 |
| **6-8 ESCO Total** | | | | **N/A** | **0** | **$0** | **0** | **$3,440,000** | **$3,440,000** |

| Total Project Cost | ** % M.E.R. to T.P.C. | Aid Ratio | % State Share | % Local Share | + Annual Total Share | + Annual State Share | + Annual Local Share | |
|---|---|---|---|---|---|---|---|---|
| 7,500,000 | 0.3474 | 0.6011 | 20.88% | 79.12% | 523,900 | 109,400 | 414,500 | K-5 East Penn Elementary |
| 7,500,000 | 0.3474 | 0.6011 | 20.88% | 79.12% | 523,900 | 109,400 | 414,500 | K-5 Mahoning Elementary |
| 10,800,000 | 0.3791 | 0.6011 | 22.79% | 77.21% | 843,400 | 192,200 | 651,200 | K-5 Franklin Elementary |
| 6,700,000 | 0.3889 | 0.6011 | 23.38% | 76.62% | 516,200 | 120,700 | 395,500 | K-5 Shull David Elementary |
| **$32,500,000** | | | | | **$2,407,400** | **$531,700** | **$1,875,700** | **K-5 Total** |

| Total Project Cost | ** % M.E.R. to T.P.C. | Aid Ratio | % State Share | % Local Share | + Annual Total Share | + Annual State Share | + Annual Local Share | |
|---|---|---|---|---|---|---|---|---|
| 32,500,000 | 0.2707 | 0.6011 | 16.27% | 83.73% | 2,361,800 | 384,400 | 1,977,400 | New K-2 Primary 3-5 Elementary |
| **$32,500,000** | | | | | **$2,361,800** | **$384,400** | **$1,977,400** | **K-5 Total** |
| 10,700,000 | 0.5362 | 0.6011 | 32.23% | 67.77% | 794,200 | 256,000 | 538,200 | 6-8 Lehighton Area Middle School |
| **$10,700,000** | | | | | **$794,200** | **$256,000** | **$538,200** | **6-8 PlanCon** |
| 9,300,000 | 0.8816 | 0.6011 | 52.99% | 47.01% | 699,600 | 370,700 | 328,900 | 9-12 Lehighton Area High School |
| **$9,300,000** | | | | | **$699,600** | **$370,700** | **$328,900** | **9-12 Total** |
| **$52,500,000** | | | | | **$3,855,600** | **$1,011,100** | **$2,844,500** | **K-12 Total** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4,300,000 | 0.0000 | 0.0000 | 0.00% | 0.00% | N/A | N/A | N/A | 6-8 Lehighton Area M.S. ESCO work |
| **$4,300,000** | | | | | **N/A** | **N/A** | **N/A** | **6-8 ESCO Total** |

## Proposed Option Costs

### OPTION 4 Elementary Schools

| Aid Ratio = 0.6011 | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Total Constr. Cost | Total Project Cost |
|---|---|---|---|---|---|
| K-5 East Penn Elementary | $2,605,600 | $3,240,000 | $2,910,000 | $6,150,000 | $7,500,000 |
| K-5 Mahoning Elementary | $2,605,600 | $3,240,000 | $2,910,000 | $6,150,000 | $7,500,000 |
| K-5 Franklin Elementary | $4,094,600 | $3,420,000 | $5,500,000 | $8,920,000 | $10,800,000 |
| K-5 Shull-David Elementary | $2,605,600 | $360,000 | $5,100,000 | $5,460,000 | $6,700,000 |
| **K-5 Total** | **$11,911,400** | **$10,260,000** | **$16,420,000** | **$26,680,000** | **$32,500,000** |

### OPTION 1 Elementary Center

| | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Total Constr. Cost | Total Project Cost |
|---|---|---|---|---|---|
| New K-2 Primary 3-5 Elementary | $8,799,300 | $26,600,000 | $0 | $26,600,000 | $32,500,000 |
| **K-5 Total** | **$8,799,300** | **$26,600,000** | **$0** | **$26,600,000** | **$32,500,000** |

| | Four Elementary Schools | Primary / Elementary Center | Difference |
|---|---|---|---|
| **Architectural Square Footage** | 192,000 | 140,000 | 52,000 |
| **Total Project Cost Comparison** | $32,500,000 | $32,500,000 | $0 |
| **Cost Comparison (Breakout Costs)** | | | |
| Site Development | $960,000 | $700,000 | $260,000 |
| Food Service Equipment | $800,000 | $600,000 | $200,000 |
| Gymnasium Bleachers & Equipment | $500,000 | $250,000 | $250,000 |
| Stage Equipment / Sound & Lighting | $300,000 | $100,000 | $200,000 |
| Media Center Furnishings & Fixtures | $200,000 | $125,000 | $75,000 |
| **Cost Comparison Total** | **$2,760,000** | **$1,775,000** | **$985,000** |
| **Annual Cost Comparison** | | | |
| Energy Operational Savings (Fuel) | | | $83,000 |
| Staff | | | $850,000 |
| Staff Travel | | | $25,000 |
| Books & Media Supplies | | | $20,000 |
| Building & Gen Maintenance Supplies | | | $50,000 |
| Water Testing | | | $8,000 |
| Water | | | $2,000 |
| Sewer | | | $6,700 |
| Phone Service | | | $2,500 |
| Building Internet Charge | | | $25,000 |
| Building Tech Upgrades | | | $30,000 |
| Technology / Curriculum Contracts | | | $20,000 |
| Tyco Security Charge | | | $6,000 |
| Sewer Service Charge | | | $3,500 |
| Fire Inspection | | | $2,000 |
| HT Lyons Main. Agreement | | | $30,000 |
| Pest Control | | | $2,500 |
| Mowing Service | | | $30,000 |
| Food Service Supplies | | | $10,000 |
| **Annual Cost Comparison Total** | | | **$1,206,200** |

## REIMBURSEMENT SUMMARY

| PlanCon A&B | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Total Constr. Cost | Total Project Cost |
|---|---|---|---|---|---|
| **K-4, 5-8, 9-12** | **Plancon A with updated enrollment** | | | | |
| K-4 East Penn ES | $1,855,600 | $0 | $3,967,950 | $3,967,950 | $4,959,940 |
| K-4 Franklin ES | $3,197,900 | $0 | $5,517,825 | $5,517,825 | $6,897,275 |
| K-4 Mahoning ES | $2,177,000 | $0 | $4,385,200 | $4,385,200 | $5,481,500 |
| K-4 Shull-David ES | $2,921,500 | $0 | $4,916,250 | $4,916,250 | $6,145,320 |
| 5-8 Middle School | $7,258,300 | $900,000 | $15,919,000 | $16,819,000 | $21,023,750 |
| 9-12 High School * | $6,881,200 | $0 | $6,559,100 | $6,559,100 | $8,198,880 |
| **K-12 Total** | **$24,291,500** | **$900,000** | **$41,265,325** | **$42,165,325** | **$52,706,665** |

* Existing Project Costs do not maximize reimbursement

| 4 Elementary Schools | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Total Constr. Cost | Total Project Cost |
|---|---|---|---|---|---|
| **K-5, 6-8, 9-12** | **K-5 (four) Elementary Schools; 6-8 Middle School; 9-12 High School** | | | | |
| K-5 East Penn ES | $2,605,600 | $3,240,000 | $2,910,000 | $6,150,000 | $7,500,000 |
| K-5 Franklin ES | $4,094,600 | $3,420,000 | $5,500,000 | $8,920,000 | $10,800,000 |
| K-5 Mahoning ES | $2,605,600 | $3,240,000 | $2,910,000 | $6,150,000 | $7,500,000 |
| K-5 Shull-David ES | $2,605,600 | $360,000 | $5,100,000 | $5,460,000 | $6,700,000 |
| 6-8 Middle School | $5,737,000 | $0 | $8,400,000 | $8,400,000 | $10,700,000 |
| 9-12 High School | $8,198,800 | $0 | $7,400,000 | $7,400,000 | $9,300,000 |
| **K-12 Total** | **$25,847,200** | **$10,260,000** | **$32,220,000** | **$42,480,000** | **$52,500,000** |

| 1 Elementary Center | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Total Constr. Cost | Total Project Cost |
|---|---|---|---|---|---|
| **K-5, 6-8, 9-12** | **K-2 Primary / 3-5 Elementary Center; 6-8 Middle School; 9-12 High School** | | | | |
| East Penn ES | Close | | | | |
| Franklin ES | Close | | | | |
| Mahoning ES | Close | | | | |
| Shull-David ES | Close | | | | |
| New Primary/Elementar | $8,799,300 | $26,600,000 | $0 | $26,600,000 | $32,500,000 |
| 6-8 Middle School | $5,737,000 | $0 | $8,400,000 | $8,400,000 | $10,700,000 |
| 9-12 High School | $8,198,800 | $0 | $7,400,000 | $7,400,000 | $9,300,000 |
| **K-12 Total** | **$22,735,100** | **$26,600,000** | **$15,800,000** | **$42,400,000** | **$52,500,000** |

| | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Total Constr. Cost | Total Project Cost |
|---|---|---|---|---|---|
| **1 Elementary Center versus PLANCON A&B** | | | | | |
| **K-12 Total** | **-$1,556,400** | **$25,700,000** | **-$25,465,325** | **$234,675** | **-$206,665** |

OPTION COST
SUMMARY

# INTRODUCTION TO OPTIONS COST SUMMARY

## Option Cost Summary

This section of the Feasibility Study is a Cost Summary of all options including Maximum Eligible Reimbursement, Cost for Additions, Renovation Study Cost, Additional Educational Upgrades Cost, Total Project Cost, Annual Total Share, Annual State Share (State Reimbursement), Annual Local Share.

## PlanCon "20% Rule"

Existing Renovation Costs must exceed the "20% Rule" to qualify for Reimbursement of the existing portion of the facility.

Based on the provisions of Basic Educastion Circular (BEC) 24 P.S. § 7-733, "School Construction Reimbursement Criteria", if the Adjusted Estimated Alteration costs for a project fall below 20% of the replacement value at the time a project is bid, the alteration work will be non-reimburseable. If the project is not voided and the District still receives reimbursement for any additions, the project building will not be eligible for reimbursement for alterations for the next 20 years unless a request for a variance is approved by the Pennsylvania Department of Education.

## Minimum Renovation Costs for PlanCon Reimbursement Eligibility

**Table 44** profiles the data for PlanCon Reimbursement Eligibility based on the "20% Rule" as oultined above for the Proposed Options.

| TABLE 44 | PDE Total Existing Capacity | PDE Relacement Value | PDE 20% Rule Value | Project Renovation Cost | Cost Difference | Reimb. Eligibility Status |
|---|---|---|---|---|---|---|
| East Penn E.S. | 175 | $2,881,900 | $576,380 | $3,771,950 | $3,195,570 | Eligible |
| Franklin E.S. | 375 | $6,175,500 | $1,235,100 | $5,337,825 | $4,102,725 | Eligible |
| Mahoning E.S. | 275 | $4,528,700 | $905,740 | $4,172,200 | $3,266,460 | Eligible |
| Shull-David E.S. | 350 | $5,763,800 | $1,152,760 | $4,766,250 | $3,613,490 | Eligible |
| Lehighton Area M.S. | 917 | $20,189,589 | $4,037,918 | $12,471,000 | $8,433,082 | Eligible |
| Lehighton Area H.S. | 931 | $20,497,827 | $4,099,565 | $9,895,250 | $5,795,685 | Eligible |
| Lehighton Stadium and Field House | N/A | N/A | NA | N/A | N/A | N/A |
| DAO | 29 | $638,493 | $127,699 | $288,500 | $160,801 | Eligible |

# OPTION EXPLORATION SUMMARY

| I | II | III | Proposed Building Phases |
|---|---|---|---|

## OPTION 1

**NEW MIDDLE SCHOOL**

| | | | |
|---|---|---|---|
| 5-8 | | | New Middle School. |
| | 3-4 | | Convert Existing Middle School to an Elementary School. |
| | K-2 | | Maintain Elementary Schools with required upgrades. |
| | | 9-12 | Maintain High School with required upgrades. |
| DAO | | | Maintain District Administration Building with required upgrades. |

## OPTION 2

**NEW MIDDLE SCHOOL**

| | | | |
|---|---|---|---|
| 5-8 | | | New Middle School. |
| | 3-4 | | Convert Existing Middle School to an Elementary School. |
| | K-2 | | Construct New Elementary School. |
| | | X | Close Existing Elementary Schools. |
| | | 9-12 | Maintain High School with required upgrades. |
| DAO | | | Maintain District Administration Building with required upgrades. |

## OPTION 3

**NEW MIDDLE SCHOOL**

| | | | |
|---|---|---|---|
| 5-8 | | | New Middle School. |
| | | X | Close Existing Middle School |
| | K-4 | | Alterations & Additions to Existing Elementary Schools |
| | | 9-12 | Maintain High School with required upgrades. |
| DAO | | | Maintain District Administration Building with required upgrades. |

## OPTION 4

**ADDITIONS AND ALTERATIONS**

| | | | |
|---|---|---|---|
| 5-8 | | | Alterations and Additions to Middle School with required upgrades. |
| | K-4 | | Alterations and Additions to Elementary Schools with required upgrades. |
| | | 9-12 | Maintain High School with required upgrades. |
| DAO | | | Maintain District Administration Building with required upgrades. |

## OPTION 5

**MIDDLE SCHOOL ADDITION TO THE HIGH SCHOOL**

| | | | |
|---|---|---|---|
| 5-8 | | | Middle School Addition to the High School; with alterations & required upgrades. |
| 9-12 | | | |
| | | X | Close Existing Middle School |
| | K-4 | | Alterations and Additions to Elementary Schools with required upgrades. |
| DAO | | | Maintain District Administration Building with required upgrades. |

# OPTION COST SUMMARY

| | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|
| **OPTION 1** | **New Middle School; Existing M.S. as Elementary School** | | | | | | | |
| K-2 E.S. Total | $7,112,040 | $0 | $18,187,225 | $600,000 | $18,787,225 | $23,484,032 | $323,356 | $1,452,957 |
| 3-4 E.S. Total | $4,799,640 | $0 | $12,719,000 | $1,500,000 | $14,219,000 | $17,773,750 | $218,263 | $1,126,368 |
| M.S. Total | $7,895,910 | $20,700,000 | $0 | $0 | $20,700,000 | $25,875,000 | $359,038 | $1,598,327 |
| H.S. Total | $8,518,800 | $0 | $6,110,250 | $250,000 | $6,360,250 | $7,950,313 | $361,613 | $239,973 |
| K-12 Total | $28,326,390 | $20,700,000 | $37,016,475 | $2,350,000 | $60,066,475 | $75,083,095 | $1,262,270 | $4,417,625 |
| DAO Total | $239,494 | $0 | $288,500 | $0 | $288,500 | $360,625 | $10,895 | $16,397 |
| **OPTION 2** | **New Middle School; New Elementary School; Existing M.S. as Elementary School** | | | | | | | |
| K-2 E.S. Total | $5,831,760 | $16,920,000 | $0 | $16,920,000 | $16,920,006 | $21,150,000 | $265,168 | $1,334,705 |
| 3-4 E.S. Total | $4,799,640 | $0 | $12,719,000 | $1,250,000 | $13,969,000 | $17,461,250 | $218,231 | $1,102,567 |
| M.S. Total | $7,895,910 | $20,700,000 | $0 | $0 | $20,700,000 | $25,875,000 | $359,038 | $1,598,327 |
| H.S. Total | $8,875,920 | $0 | $6,110,250 | $250,000 | $6,360,250 | $7,950,313 | $361,613 | $239,973 |
| K-12 Total | $27,403,230 | $37,620,000 | $18,829,250 | $18,420,000 | $57,949,256 | $72,436,563 | $1,204,050 | $4,275,572 |
| DAO Total | $239,494 | $0 | $288,500 | $0 | $288,500 | $360,625 | $10,895 | $16,397 |
| **OPTION 3** | **New Middle School; Alts & Adds to Existing Elementary Schools** | | | | | | | |
| K-4 E.S. Total | $11,229,240 | $10,800,000 | $18,187,225 | $2,200,000 | $31,187,225 | $38,984,032 | $510,629 | $2,438,488 |
| M.S. Total | $7,895,910 | $20,700,000 | $0 | $0 | $20,700,000 | $25,875,000 | $359,038 | $1,598,327 |
| H.S. Total | $8,875,920 | $0 | $6,110,250 | $250,000 | $6,360,250 | $7,950,313 | $361,613 | $239,973 |
| K-12 Total | $28,001,070 | $31,500,000 | $24,297,475 | $2,450,000 | $58,247,475 | $72,809,345 | $1,231,280 | $4,276,788 |
| DAO Total | $239,494 | $0 | $288,500 | $0 | $288,500 | $360,625 | $10,895 | $16,397 |
| **OPTION 4** | **Alts & Adds to Existing Middle School; Alts & Adds to Existing Elementary Schools** | | | | | | | |
| K-4 E.S. Total | $11,229,240 | $10,800,000 | $18,187,225 | $2,200,000 | $31,187,225 | $38,984,032 | $510,629 | $2,438,488 |
| M.S. Total | $8,224,920 | $3,240,000 | $12,719,000 | $1,241,000 | $17,200,000 | $21,500,000 | $373,995 | $1,252,401 |
| H.S. Total | $8,875,920 | $0 | $6,110,250 | $250,000 | $6,360,250 | $7,950,313 | $361,613 | $239,973 |
| K-12 Total | $28,330,080 | $14,040,000 | $37,016,475 | $3,691,000 | $54,747,475 | $68,434,345 | $1,246,237 | $3,930,862 |
| DAO Total | $239,494 | $0 | $288,500 | $0 | $288,500 | $360,625 | $10,895 | $16,397 |
| **OPTION 5** | **Middle School Addition to High School; Alts & Adds to Existing Elementary Schools** | | | | | | | |
| K-4 E.S. Total | $11,229,240 | $10,800,000 | $18,187,225 | $2,200,000 | $31,187,225 | $38,984,032 | $510,629 | $2,438,488 |
| M.S./H.S.Total | $16,649,040 | $20,700,000 | $7,400,000 | $0 | $28,100,000 | $35,125,000 | $757,128 | $1,900,229 |
| K-12 Total | $27,878,280 | $31,500,000 | $25,587,225 | $2,200,000 | $59,287,225 | $74,109,032 | $1,267,757 | $4,338,717 |
| DAO Total | $239,494 | $0 | $288,500 | $0 | $288,500 | $360,625 | $10,895 | $16,397 |

# OPTION COST SUMMARY

| | Max. Eligible Reimb. | Constr. Cost for Additions | Renov. Cost | Additional Educ. Upgrades | Total Constr. Cost | Total Project Cost | + Annual State Share | + Annual Local Share |
|---|---|---|---|---|---|---|---|---|
| **"STATUS QUO" - Comparison** | | | | | | | | |
| K-4 E.S. Total | $10,022,280 | $0 | $18,187,225 | $600,000 | $18,787,225 | $23,484,032 | $455,671 | $1,320,642 |
| M.S. Total | $8,032,320 | $900,000 | $12,719,000 | $3,200,000 | $16,819,000 | $21,023,750 | $365,213 | $1,225,050 |
| H.S. Total | $8,875,920 | $0 | $6,110,250 | $250,000 | $6,360,250 | $7,950,313 | $361,613 | $239,973 |
| K-12 Total | $26,930,520 | $900,000 | $37,016,475 | $4,050,000 | $41,966,475 | $52,458,095 | $1,182,497 | $2,785,665 |
| DAO Total | $239,494 | $0 | $288,500 | $0 | $288,500 | $360,625 | $10,895 | $16,397 |
| **OPTION 6** | **New Primary/Elementary Center; Close Existing Elementary Schools** | | | | | | | |
| K-5 E.S. Total | $8,799,300 | $26,600,000 | $0 | $0 | $26,600,000 | $32,500,000 | $384,400 | $1,977,400 |
| 6-8 M.S. Total | $5,737,000 | $600,000 | $7,800,000 | $0 | $8,400,000 | $10,700,000 | $256,000 | $538,200 |
| 9-12 H.S. Total | $8,198,800 | $0 | $7,400,000 | $0 | $7,400,000 | $9,300,000 | $370,700 | $328,900 |
| K-12 Total | $22,735,100 | $27,200,000 | $15,200,000 | $0 | $42,400,000 | $52,500,000 | $1,011,100 | $2,844,500 |
| 6-8 M.S. ESCO | N/A | $0 | $3,440,000 | $0 | $3,440,000 | $4,300,000 | N/A | N/A |

# ENERGY PORTFOLIO SURVEY

## SELECTED OPTIONS SUPPLEMENTAL INFORMATION

Within the District-Wide Facility Study, Energy Portfolio Surveys must be included for each existing building and for each Construction Option that is being considered for PlanCon Projects submitted after 1 July 2011. This is provided as supplemental information.

1. Surveys for each Existing Building

2. Surveys for the Construction Options: This Survey entails providing a predicitive utility budget, using the EPA/DOE Target Finder tool, identifying the annual site and source energy and annual water consumption.

# ENERGY PORTFOLIO SURVEY

**East Penn Elementary School**

OMB No. 2060-0347

## STATEMENT OF ENERGY PERFORMANCE
## Lehighton Area SD East Penn ES 121135503

**Building ID:** 3338599
**For 12-month Period Ending:** May 31, 2012[1]
**Date SEP becomes ineligible:** N/A
**Date SEP Generated:** August 14, 2012

**Facility**
Lehighton Area SD East Penn ES
121135503
496 West Lizard Creek Rd.
Lehighton, PA 18235

**Facility Owner**
Lehighton Area School District
1000 Union Street
Lehighton, PA 18235

**Primary Contact for this Facility**
N/A

**Year Built:** 1954
**Gross Floor Area (ft²):** 24,270

**Energy Performance Rating**[2] (1-100) 69

**Site Energy Use Summary**[3]

| | |
|---|---|
| Electricity - Grid Purchase(kBtu) | 460,311 |
| Propane (kBtu) | 1,331,481 |
| Natural Gas - (kBtu)[4] | 0 |
| Total Energy (kBtu) | 1,791,792 |

**Energy Intensity**[4]

| | |
|---|---|
| Site (kBtu/ft²/yr) | 74 |
| Source (kBtu/ft²/yr) | 119 |

**Emissions** (based on site energy use)

| | |
|---|---|
| Greenhouse Gas Emissions ($MtCO_2e$/year) | 150 |

**Electric Distribution Utility**
PPL Electric Utilities Corp [PPL Corp]

**National Median Comparison**

| | |
|---|---|
| National Median Site EUI | 89 |
| National Median Source EUI | 143 |
| % Difference from National Median Source EUI | -17% |
| Building Type | K-12 School |

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

**Certifying Professional**
N/A

**Meets Industry Standards**[5] **for Indoor Environmental Conditions:**

| | |
|---|---|
| Ventilation for Acceptable Indoor Air Quality | **N/A** |
| Acceptable Thermal Environmental Conditions | **N/A** |
| Adequate Illumination | **N/A** |

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Values represent energy intensity, annualized to a 12-month period.
5. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

The government estimates the average time needed to fill out this form is 6 hours (includes the time for entering energy data, License Professional facility inspection, and notarizing the SEP) and welcomes suggestions for reducing this level of effort. Send comments (referencing OMB control number) to the Director, Collection Strategies Division, U.S., EPA (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460.

EPA Form 5900-16

**Franklin Elementary School**

OMB No. 2060-0347

# STATEMENT OF ENERGY PERFORMANCE
## Lehighton Area SD Franklin ES 121135503

**Building ID:** 3338640
**For 12-month Period Ending:** May 31, 2012[1]
**Date SEP becomes ineligible:** N/A
**Date SEP Generated:** August 14, 2012

| **Facility** | **Facility Owner** | **Primary Contact for this Facility** |
|---|---|---|
| Lehighton Area SD Franklin ES 121135503<br>1122 Fairyland Rd.<br>Lehighton, PA 18235-9280 | Lehighton Area School District<br>1000 Union Street<br>Lehighton, PA 18235 | N/A |

**Year Built:** 1954
**Gross Floor Area (ft²):** 39,915

**Energy Performance Rating**[2] (1-100) 83

| **Site Energy Use Summary**[3] | |
|---|---|
| Electricity - Grid Purchase(kBtu) | 604,545 |
| Propane (kBtu) | 1,975,499 |
| Natural Gas - (kBtu)[4] | 0 |
| Total Energy (kBtu) | 2,580,044 |

| **Energy Intensity**[4] | |
|---|---|
| Site (kBtu/ft²/yr) | 65 |
| Source (kBtu/ft²/yr) | 101 |

| **Emissions** (based on site energy use) | |
|---|---|
| Greenhouse Gas Emissions ($MtCO_2e$/year) | 211 |

**Electric Distribution Utility**
PPL Electric Utilities Corp [PPL Corp]

| **National Median Comparison** | |
|---|---|
| National Median Site EUI | 92 |
| National Median Source EUI | 144 |
| % Difference from National Median Source EUI | -30% |
| Building Type | K-12 School |

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

**Certifying Professional**
N/A

| **Meets Industry Standards**[5] **for Indoor Environmental Conditions:** | |
|---|---|
| Ventilation for Acceptable Indoor Air Quality | **N/A** |
| Acceptable Thermal Environmental Conditions | **N/A** |
| Adequate Illumination | **N/A** |

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Values represent energy intensity, annualized to a 12-month period.
5. Based on Meeting ASHRAE Standard 62 ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

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EPA Form 5900-16

# ENERGY PORTFOLIO SURVEY

**Mahoning Elementary School**

OMB No. 2060-0347

## STATEMENT OF ENERGY PERFORMANCE
## Lehighton Area SD Mahoning ES 121135503

**Building ID:** 3338679
**For 12-month Period Ending:** May 31, 2012[1]
**Date SEP becomes ineligible:** N/A
**Date SEP Generated:** August 14, 2012

**Facility**
Lehighton Area SD Mahoning ES
121135503
2466 Mahoning Dr. East
Lehighton, PA 18235-9723

**Facility Owner**
Lehighton Area School District
1000 Union Street
Lehighton, PA 18235

**Primary Contact for this Facility**
N/A

**Year Built:** 1954
**Gross Floor Area (ft²):** 33,130

**Energy Performance Rating**[2] (1-100) 90

**Site Energy Use Summary**[3]

| | |
|---|---|
| Electricity - Grid Purchase(kBtu) | 514,269 |
| Propane (kBtu) | 951,263 |
| Natural Gas - (kBtu)[4] | 0 |
| Total Energy (kBtu) | 1,465,532 |

**Energy Intensity**[4]

| | |
|---|---|
| Site (kBtu/ft²/yr) | 44 |
| Source (kBtu/ft²/yr) | 81 |

**Emissions** (based on site energy use)

| | |
|---|---|
| Greenhouse Gas Emissions ($MtCO_2e$/year) | 133 |

**Electric Distribution Utility**
PPL Electric Utilities Corp [PPL Corp]

**National Median Comparison**

| | |
|---|---|
| National Median Site EUI | 72 |
| National Median Source EUI | 132 |
| % Difference from National Median Source EUI | -39% |
| Building Type | K-12 School |

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

**Meets Industry Standards**[5] **for Indoor Environmental Conditions:**

| | |
|---|---|
| Ventilation for Acceptable Indoor Air Quality | **N/A** |
| Acceptable Thermal Environmental Conditions | **N/A** |
| Adequate Illumination | **N/A** |

**Certifying Professional**
N/A

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Values represent energy intensity, annualized to a 12-month period.
5. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

The government estimates the average time needed to fill out this form is 6 hours (includes the time for entering energy data, plus the time for a professional facility inspection, and notarizing the SEP) and welcomes suggestions for reducing this level of effort. Send comments (referencing OMB control number) to the Director, Collection Strategies Division, U.S., EPA (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460.

EPA Form 5900-16

# ENERGY PORTFOLIO SURVEY

## Shull-David Elementary School

OMB No. 2060-0347

# STATEMENT OF ENERGY PERFORMANCE
## Lehighton Area SD Shull-David ES 121135503

**Building ID:** 3338702
**For 12-month Period Ending:** June 30, 2012[1]
**Date SEP becomes ineligible:** N/A

**Date SEP Generated:** August 14, 2012

**Facility**
Lehighton Area SD Shull-David ES
121135503
200 Beaver Run Rd.
Lehighton, PA 18235-1128

**Facility Owner**
Lehighton Area School District
1000 Union Street
Lehighton, PA 18235

**Primary Contact for this Facility**
N/A

**Year Built:** 1959
**Gross Floor Area (ft²):** 38,515

**Energy Performance Rating**[2] (1-100) 83

**Site Energy Use Summary**[3]

| | |
|---|---|
| Electricity - Grid Purchase(kBtu) | 756,700 |
| Natural Gas (kBtu)[4] | 1,865,406 |
| Total Energy (kBtu) | 2,622,106 |

**Energy Intensity**[4]

| | |
|---|---|
| Site (kBtu/ft²/yr) | 68 |
| Source (kBtu/ft²/yr) | 116 |

**Emissions** (based on site energy use)

| | |
|---|---|
| Greenhouse Gas Emissions ($MtCO_2e$/year) | 206 |

**Electric Distribution Utility**
Lehighton Light & Power Dept

**National Median Comparison**

| | |
|---|---|
| National Median Site EUI | 98 |
| National Median Source EUI | 167 |
| % Difference from National Median Source EUI | -30% |
| Building Type | K-12 School |

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

**Certifying Professional**
N/A

**Meets Industry Standards**[5] **for Indoor Environmental Conditions:**

| | |
|---|---|
| Ventilation for Acceptable Indoor Air Quality | **N/A** |
| Acceptable Thermal Environmental Conditions | **N/A** |
| Adequate Illumination | **N/A** |

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Values represent energy intensity, annualized to a 12-month period.
5. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

The government estimates the average time needed to fill out this form is 6 hours (includes the time for entering energy data, plus the time for a Professional Facility Inspection, and notarizing the SEP) and welcomes suggestions for reducing this level of effort. Send comments (referencing OMB control number) to the Director, Collection Strategies Division, U.S. EPA (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460.

EPA Form 5900-16

**Lehighton Area Middle School**

OMB No. 2060-0347

# STATEMENT OF ENERGY PERFORMANCE
## Lehighton Area SD Lehighton Area MS 121135503

**Building ID:** 3338706
**For 12-month Period Ending:** June 30, 2012[1]
**Date SEP becomes ineligible:** N/A
**Date SEP Generated:** August 14, 2012

**Facility**
Lehighton Area SD Lehighton Area MS
121135503
301 Beaver Run Rd.
Lehighton, PA 18235-1130

**Facility Owner**
Lehighton Area School District
1000 Union Street
Lehighton, PA 18235

**Primary Contact for this Facility**
N/A

**Year Built:** 1964
**Gross Floor Area (ft²):** 118,450

**Energy Performance Rating**[2] (1-100) 56

| **Site Energy Use Summary**[3] | |
|---|---|
| Electricity - Grid Purchase(kBtu) | 2,478,466 |
| Natural Gas (kBtu)[4] | 4,932,348 |
| Total Energy (kBtu) | 7,410,814 |

| **Energy Intensity**[4] | |
|---|---|
| Site (kBtu/ft²/yr) | 63 |
| Source (kBtu/ft²/yr) | 113 |

| **Emissions** (based on site energy use) | |
|---|---|
| Greenhouse Gas Emissions ($MtCO_2e$/year) | 613 |

**Electric Distribution Utility**
Lehighton Light & Power Dept

| **National Median Comparison** | |
|---|---|
| National Median Site EUI | 67 |
| National Median Source EUI | 121 |
| % Difference from National Median Source EUI | -6% |
| Building Type | K-12 School |

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

**Meets Industry Standards**[5] **for Indoor Environmental Conditions:**

| | |
|---|---|
| Ventilation for Acceptable Indoor Air Quality | **N/A** |
| Acceptable Thermal Environmental Conditions | **N/A** |
| Adequate Illumination | **N/A** |

**Certifying Professional**
N/A

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Values represent energy intensity, annualized to a 12-month period.
5. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

The government estimates the average time needed to fill out this form is 6 hours (includes the time for entering energy data, plus the time for a Professional Facility Inspection, and notarizing the SEP) and welcomes suggestions for reducing this level of effort. Send comments (referencing OMB control number) to the Director, Collection Strategies Division, U.S., EPA (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460.

EPA Form 5900-16

**Lehighton Area High School**

OMB No. 2060-0347

# STATEMENT OF ENERGY PERFORMANCE
## Lehighton Area SD Lehighton Area HS 121135503

**Building ID:** 3338710
**For 12-month Period Ending:** June 30, 2012[1]
**Date SEP becomes ineligible:** N/A
**Date SEP Generated:** August 14, 2012

**Facility**
Lehighton Area SD Lehighton Area HS
121135503
1 Indian Lane
Lehighton, PA 18235-1137

**Facility Owner**
Lehighton Area School District
1000 Union Street
Lehighton, PA 18235

**Primary Contact for this Facility**
N/A

**Year Built:** 1992
**Gross Floor Area (ft²):** 148,940

**Energy Performance Rating**[2] (1-100) 52

| **Site Energy Use Summary**[3] | |
|---|---|
| Electricity - Grid Purchase(kBtu) | 5,362,840 |
| Natural Gas (kBtu)[4] | 3,077,673 |
| Total Energy (kBtu) | 8,440,513 |

| **Energy Intensity**[4] | |
|---|---|
| Site (kBtu/ft²/yr) | 57 |
| Source (kBtu/ft²/yr) | 142 |

| **Emissions** (based on site energy use) | |
|---|---|
| Greenhouse Gas Emissions ($MtCO_2e$/year) | 923 |

**Electric Distribution Utility**
Lehighton Light & Power Dept

| **National Median Comparison** | |
|---|---|
| National Median Site EUI | 58 |
| National Median Source EUI | 146 |
| % Difference from National Median Source EUI | -3% |
| Building Type | K-12 School |

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

**Certifying Professional**
N/A

| **Meets Industry Standards**[5] **for Indoor Environmental Conditions:** | |
|---|---|
| Ventilation for Acceptable Indoor Air Quality | **N/A** |
| Acceptable Thermal Environmental Conditions | **N/A** |
| Adequate Illumination | **N/A** |

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Values represent energy intensity, annualized to a 12-month period.
5. Based on Meeting ASHRAE Standard 62 ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

The government estimates the average time needed to fill out this form is 6 hours (includes the time for entering energy data, plus the time for a Professional facility inspection, and notarizing the SEP) and welcomes suggestions for reducing this level of effort. Send comments (referencing OMB control number) to the Director, Collection Strategies Division, U.S. EPA (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460.

EPA Form 5900-16

## Lehighton Area Stadium and Field House

OMB No. 2060-0347

# STATEMENT OF ENERGY PERFORMANCE
# Lehighton Area SD Stadium and Field House 121135503

**Building ID:** 3338720
**For 12-month Period Ending:** June 30, 2012[1]
**Date SEP becomes ineligible:** N/A
**Date SEP Generated:** November 26, 2012

**Facility**
Lehighton Area SD Stadium and Field House 121135503
301 Beaver Run Rd.
Lehighton, PA 18235-1130

**Facility Owner**
Lehighton Area School District
1000 Union Street
Lehighton, PA 18235

**Primary Contact for this Facility**
N/A

**Year Built:** 1945
**Gross Floor Area (ft²):** 4,000

**Energy Performance Rating**[2] (1-100) N/A

| **Site Energy Use Summary**[3] | |
|---|---|
| Electricity - Grid Purchase(kBtu) | 137,704 |
| Natural Gas - (kBtu)[4] | 0 |
| Total Energy (kBtu) | 137,704 |

| **Energy Intensity**[4] | |
|---|---|
| Site (kBtu/ft²/yr) | 34 |
| Source (kBtu/ft²/yr) | 115 |

| **Emissions** (based on site energy use) | |
|---|---|
| Greenhouse Gas Emissions ($MtCO_2e$/year) | 20 |

**Electric Distribution Utility**
Lehighton Light & Power Dept

| **National Median Comparison** | |
|---|---|
| National Median Site EUI | 70 |
| National Median Source EUI | 127 |
| % Difference from National Median Source EUI | -9% |
| Building Type | Other |

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

**Meets Industry Standards**[5] **for Indoor Environmental Conditions:**

| | |
|---|---|
| Ventilation for Acceptable Indoor Air Quality | **N/A** |
| Acceptable Thermal Environmental Conditions | **N/A** |
| Adequate Illumination | **N/A** |

**Certifying Professional**
N/A

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Values represent energy intensity, annualized to a 12-month period.
5. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

The government estimates the average time needed to fill out this form is 6 hours (includes the time for entering energy data, License Professional facility inspection, and notarizing the SEP) and welcomes suggestions for reducing this level of effort. Send comments (referencing OMB control number) to the Director, Collection Strategies Division, U.S., EPA (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460.

EPA Form 5900-16

# ENERGY PORTFOLIO SURVEY

## Lehighton Area District Administration Office

OMB No. 2060-0347

# STATEMENT OF ENERGY PERFORMANCE
# Lehighton Area SD DAO 121135503

**Building ID:** 3338768
**For 12-month Period Ending:** May 31, 2012[1]
**Date SEP becomes ineligible:** N/A

**Date SEP Generated:** November 26, 2012

**Facility**
Lehighton Area SD DAO 121135503
1000 Union St.
Lehighton, PA 18235-1700

**Facility Owner**
Lehighton Area School District
1000 Union Street
Lehighton, PA 18235

**Primary Contact for this Facility**
N/A

**Year Built:** 1994
**Gross Floor Area (ft²):** 17,330

**Energy Performance Rating**[2] (1-100) 56

**Site Energy Use Summary**[3]

| | |
|---|---|
| Electricity - Grid Purchase(kBtu) | 555,292 |
| Natural Gas (kBtu)[4] | 654,022 |
| Total Energy (kBtu) | 1,209,314 |

**Energy Intensity**[4]

| | |
|---|---|
| Site (kBtu/ft²/yr) | 70 |
| Source (kBtu/ft²/yr) | 147 |

**Emissions** (based on site energy use)

| | |
|---|---|
| Greenhouse Gas Emissions ($MtCO_2e$/year) | 113 |

**Electric Distribution Utility**
Lehighton Light & Power Dept

**National Median Comparison**

| | |
|---|---|
| National Median Site EUI | 75 |
| National Median Source EUI | 158 |
| % Difference from National Median Source EUI | -7% |
| Building Type | Office |

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

**Certifying Professional**
N/A

**Meets Industry Standards**[5] **for Indoor Environmental Conditions:**

| | |
|---|---|
| Ventilation for Acceptable Indoor Air Quality | **N/A** |
| Acceptable Thermal Environmental Conditions | **N/A** |
| Adequate Illumination | **N/A** |

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Values represent energy intensity, annualized to a 12-month period.
5. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

The government estimates the average time needed to fill out this form is 6 hours (includes the time for entering energy data, Licensed Professional facility inspection, and notarizing the SEP) and welcomes suggestions for reducing this level of effort. Send comments (referencing OMB control number) to the Director, Collection Strategies Division, U.S., EPA (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460.

EPA Form 5900-16

OMB No.2060-0347

DESIGNED TO EARN THE ENERGY STAR

### STATEMENT OF ENERGY DESIGN INTENT
August 14, 2012

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **East Penn Elementary School** | Location: **496 W Lizard Creek Road, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 788,388 |
| Space Type: **K-12 School** | Total Floor Area: **24,240 sq. ft.** Total Gross Floor Area: **24,240 Sq. Ft.** | |

| RESULTS FOR ESTIMATED ENERGY USE | DESIGN | MEDIAN BUILDING | ESTIMATED SAVINGS |
|---|---|---|---|
| EPA Energy Performance Rating (1-100)[1] | 97 | 50 | N/A |
| Percent Energy Reduction (%)[2] | 51 | 0 | N/A |
| Site Energy Use Intensity (kBtu/sf/yr) | 32 | 65 | 33 |
| Source Energy Use Intensity (kBtu/sf/yr) | 102 | 206 | 104 |
| Total Annual Site Energy Use (kBtu/yr) | 788,388 | 1,590,144 | 801,756 |
| Total Annual Source Energy Use (kBtu/yr) | 2,475,538 | 4,995,864 | 2,520,326 |
| Total Annual Energy Costs ($) | $21,650 | $46,668 | $22,018 |
| **Pollution Emissions (metric tons/yr)** [3] | | | |
| $CO_2$-eq | 99 | 201 | 102 |

**CONTACT INFORMATION**

Building Owner/Company Name

Address

City, State, Zip Code

Contact Name

Phone Email

**Professional Verification** (Licensed Architect/Engineer)

Prepared By

Firm Name

Address

City, State, Zip Code

Phone

Email

**Professional Stamp**
Signature & Date

This project was specified and executed to achieve Designed to Earn the ENERGY STAR certification.

**Architect of Record Firm** (if different from verifier)

Name

Firm Name

Phone

Email

[1] Target Finder determines an EPA energy performance rating by comparing estimated total annual source energy use to source energy use of an existing building from CBECS database (DOE-EIA). Note: An incomplete energy design profile could result in a high but inaccurate performance score for your project.
[2] "Percent Energy Reduction" is the percent reduction from the median energy consumption of a similar building and the equivalent of a Rating of 50.
[3] The amount of carbon dioxide equivalent gases emitted from the facility's estimated energy consumption.


**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **East Penn Elementary School** | Location: **496 W Lizard Creek Road, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 788,388 |
| Space Type: **K-12 School** | Total Floor Area: **24,240 sq. ft.** Total Gross Floor Area **24,240 Sq. Ft.** | |


| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **K-12 School** | Gross Floor Area **24240 Sq. Ft.** | Open Weekends? **No** | Number of PCs **120** | Number of walk-in refrigeration/freezer units **1** | Presence of cooking facilities **Yes** | Percent Cooled **100 %** | Percent Heated **100 %** | High School? **No** |

This document was generated from Target Finder, an EPA tool located on the ENERGY STAR Web site, www.energystar.gov.

# ENERGY PORTFOLIO SURVEY

## SELECTED OPTIONS

## Franklin Elementary School

OMB No.2060-0347

DESIGNED TO EARN THE ENERGY STAR

### STATEMENT OF ENERGY DESIGN INTENT

August 14, 2012

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Franklin Elementary School** | Location: **1122 Fairyland Road, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 1,135,219 |
| Space Type: **K-12 School** | Total Floor Area: **39,915 sq. ft.** Total Gross Floor Area: **39,915 Sq. Ft.** | |

| RESULTS FOR ESTIMATED ENERGY USE | DESIGN | MEDIAN BUILDING | ESTIMATED SAVINGS |
|---|---|---|---|
| EPA Energy Performance Rating (1-100)[1] | 97 | 50 | N/A |
| Percent Energy Reduction (%)[2] | 51 | 0 | N/A |
| Site Energy Use Intensity (kBtu/sf/yr) | 28 | 57 | 29 |
| Source Energy Use Intensity (kBtu/sf/yr) | 89 | 180 | 91 |
| Total Annual Site Energy Use (kBtu/yr) | 1,135,218 | 2,291,121 | 1,155,903 |
| Total Annual Source Energy Use (kBtu/yr) | 3,564,587 | 7,204,657 | 3,640,070 |
| Total Annual Energy Costs ($) | $31,175 | $62,918 | $31,743 |
| **Pollution Emissions (metric tons/yr)** [3] | | | |
| $CO_2$-eq | 143 | 290 | 147 |

**CONTACT INFORMATION**

Building Owner/Company Name

Address

City, State, Zip Code

Contact Name

Phone Email

**Professional Verification** (Licensed Architect/Engineer)

Prepared By

Firm Name

Address

City, State, Zip Code

Phone

Email

**Architect of Record Firm** (if different from verifier)

Name

Firm Name

Phone

Email

**Professional Stamp**
Signature & Date

This project was specified and executed to achieve Designed to Earn the ENERGY STAR certification.

[1] Target Finder determines an EPA energy performance rating by comparing estimated total annual source energy use to source energy use of an existing building from CBECS database (DOE-EIA). Note: An incomplete energy design profile could result in a high but inaccurate performance score for your project.
[2] "Percent Energy Reduction" is the percent reduction from the median energy consumption of a similar building and the equivalent of a Rating of 50.
[3] The amount of carbon dioxide equivalent gases emitted from the facility's estimated energy consumption.

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Franklin Elementary School** | Location: **1122 Fairyland Road, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 1,135,219 |
| Space Type: **K-12 School** | Total Floor Area: **39,915 sq. ft.** Total Gross Floor Area **39,915 Sq. Ft.** | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **K-12 School** | Gross Floor Area **39915 Sq. Ft.** | Open Weekends? **No** | Number of PCs **160** | Number of walk-in refrigeration/freezer units **1** | Presence of cooking facilities **Yes** | Percent Cooled **100 %** | Percent Heated **100 %** | High School? **No** |

This document was generated from Target Finder, an EPA tool located on the ENERGY STAR Web site, www.energystar.gov.

OMB No.2060-0347

DESIGNED TO EARN THE ENERGY STAR

### STATEMENT OF ENERGY DESIGN INTENT

August 14, 2012

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Mahoning Elementary School** | Location: **2466 Mahoning Drive East, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 908,630 |
| Space Type: **K-12 School** | Total Floor Area: **33,130 sq. ft.** Total Gross Floor Area: **33,130 Sq. Ft.** | |

| RESULTS FOR ESTIMATED ENERGY USE | DESIGN | MEDIAN BUILDING | ESTIMATED SAVINGS |
|---|---|---|---|
| EPA Energy Performance Rating (1-100)[1] | 97 | 50 | N/A |
| Percent Energy Reduction (%)[2] | 53 | 0 | N/A |
| Site Energy Use Intensity (kBtu/sf/yr) | 27 | 58 | 31 |
| Source Energy Use Intensity (kBtu/sf/yr) | 86 | 183 | 97 |
| Total Annual Site Energy Use (kBtu/yr) | 908,630 | 1,931,479 | 1,022,849 |
| Total Annual Source Energy Use (kBtu/yr) | 2,853,098 | 6,066,103 | 3,213,005 |
| Total Annual Energy Costs ($) | $24,952 | $53,042 | $28,090 |
| **Pollution Emissions (metric tons/yr)** [3] | | | |
| $CO_2$-eq | 115 | 244 | 129 |

**CONTACT INFORMATION**

Building Owner/Company Name

Address

City, State, Zip Code

Contact Name

Phone Email

**Professional Verification** (Licensed Architect/Engineer)

Prepared By

Firm Name

Address

City, State, Zip Code

Phone

Email

**Professional Stamp**
Signature & Date

This project was specified and executed to achieve Designed to Earn the ENERGY STAR certification.

**Architect of Record Firm** (if different from verifier)

Name

Firm Name

Phone

Email

[1] Target Finder determines an EPA energy performance rating by comparing estimated total annual source energy use to source energy use of an existing building from CBECS database (DOE-EIA). Note: An incomplete energy design profile could result in a high but inaccurate performance score for your project.
[2] "Percent Energy Reduction" is the percent reduction from the median energy consumption of a similar building and the equivalent of a Rating of 50.
[3] The amount of carbon dioxide equivalent gases emitted from the facility's estimated energy consumption.


**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Mahoning Elementary School** | Location: **2466 Mahoning Drive East, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 908,630 |
| Space Type: **K-12 School** | Total Floor Area: **33,130 sq. ft.** Total Gross Floor Area **33,130 Sq. Ft.** | |


| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **K-12 School** | Gross Floor Area **33130 Sq. Ft.** | Open Weekends? **No** | Number of PCs **120** | Number of walk-in refrigeration/freezer units **1** | Presence of cooking facilities **Yes** | Percent Cooled **100 %** | Percent Heated **100 %** | High School? **No** |

This document was generated from Target Finder, an EPA tool located on the ENERGY STAR Web site, www.energystar.gov.

# ENERGY PORTFOLIO SURVEY

## SELECTED OPTIONS

## Shull-David Elementary School

OMB No.2060-0347

DESIGNED TO EARN THE ENERGY STAR

### STATEMENT OF ENERGY DESIGN INTENT

August 14, 2012

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name:<br>**Shull-David Elementary School** | Location:<br>**200 Beaver Run Road, Lehighton, PA 18235**<br>**United States** | **Design Energy (kBtu)[1]**<br>Electricity - Grid Purchase 1,153,727 |
| Space Type:<br>**K-12 School** | Total Floor Area:<br>**38,515 sq. ft.**<br>Total Gross Floor Area: **38,515 Sq. Ft.** | |

| RESULTS FOR ESTIMATED ENERGY USE | DESIGN | MEDIAN BUILDING | ESTIMATED SAVINGS |
|---|---|---|---|
| EPA Energy Performance Rating (1-100)[1] | 97 | 50 | N/A |
| Percent Energy Reduction (%)[2] | 52 | 0 | N/A |
| Site Energy Use Intensity (kBtu/sf/yr) | 30 | 62 | 32 |
| Source Energy Use Intensity (kBtu/sf/yr) | 94 | 196 | 102 |
| Total Annual Site Energy Use (kBtu/yr) | 1,153,727 | 2,414,890 | 1,261,163 |
| Total Annual Source Energy Use (kBtu/yr) | 3,622,703 | 7,572,049 | 3,949,346 |
| Total Annual Energy Costs ($) | $31,683 | $66,317 | $34,634 |
| **Pollution Emissions (metric tons/yr)** [3] | | | |
| $CO_2$-eq | 146 | 305 | 159 |

**CONTACT INFORMATION**

Building Owner/Company Name

Address

City, State, Zip Code

Contact Name

Phone Email

**Professional Verification** (Licensed Architect/Engineer)

Prepared By

Firm Name

Address

City, State, Zip Code

Phone

Email

**Professional Stamp**
Signature & Date

This project was specified and executed to achieve Designed to Earn the ENERGY STAR certification.

**Architect of Record Firm** (if different from verifier)

Name

Firm Name

Phone

Email

[1] Target Finder determines an EPA energy performance rating by comparing estimated total annual source energy use to source energy use of an existing building from CBECS database (DOE-EIA). Note: An incomplete energy design profile could result in a high but inaccurate performance score for your project.
[2] "Percent Energy Reduction" is the percent reduction from the median energy consumption of a similar building and the equivalent of a Rating of 50.
[3] The amount of carbon dioxide equivalent gases emitted from the facility's estimated energy consumption.

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name:<br>**Shull-David Elementary School** | Location:<br>**200 Beaver Run Road, Lehighton, PA 18235**<br>**United States** | **Design Energy (kBtu)[1]**<br>Electricity - Grid Purchase 908,630 |
| Space Type:<br>**K-12 School** | Total Floor Area:<br>**38,515 sq. ft.**<br>Total Gross Floor Area **38,515 Sq. Ft.** | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **K-12 School** | Gross Floor Area<br>**38515 Sq. Ft.** | Open Weekends?<br>**No** | Number of PCs<br>**160** | Number of walk-in refrigeration/freezer units<br>**2** | Presence of cooking facilities<br>**Yes** | Percent Cooled<br>**100 %** | Percent Heated<br>**100 %** | High School?<br>**No** |

This document was generated from Target Finder, an EPA tool located on the ENERGY STAR Web site, www.energystar.gov.

OMB No.2060-0347

DESIGNED TO EARN THE ENERGY STAR

### STATEMENT OF ENERGY DESIGN INTENT

August 14, 2012

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Lehighton Area Middle School** | Location: **301 Beaver Run Road, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 2,964,326 |
| Space Type: **K-12 School** | Total Floor Area: **118,450 sq. ft.** Total Gross Floor Area **118,450 Sq. Ft.** | |

| RESULTS FOR ESTIMATED ENERGY USE | DESIGN | MEDIAN BUILDING | ESTIMATED SAVINGS |
|---|---|---|---|
| EPA Energy Performance Rating (1-100)[1] | 96 | 50 | N/A |
| Percent Energy Reduction (%)[2] | 48 | 0 | N/A |
| Site Energy Use Intensity (kBtu/sf/yr) | 25 | 48 | 23 |
| Source Energy Use Intensity (kBtu/sf/yr) | 78 | 151 | 73 |
| Total Annual Site Energy Use (kBtu/yr) | 2,964,325 | 5,709,290 | 2,744,965 |
| Total Annual Source Energy Use (kBtu/yr) | 9,307,983 | 17,933,330 | 8,625,347 |
| Total Annual Energy Costs ($) | $81,406 | $156,787 | $75,381 |
| **Pollution Emissions (metric tons/yr)** [3] | | | |
| $CO_2$-eq | 375 | 723 | 348 |

**CONTACT INFORMATION**

Building Owner/Company Name

Address

City, State, Zip Code

Contact Name

Phone Email

**Professional Verification** (Licensed Architect/Engineer)

Prepared By

Firm Name

Address

City, State, Zip Code

Phone

Email

**Professional Stamp**
Signature & Date

This project was specified and executed to achieve Designed to Earn the ENERGY STAR certification.

**Architect of Record Firm** (if different from verifier)

Name

Firm Name

Phone

Email

[1] Target Finder determines an EPA energy performance rating by comparing estimated total annual source energy use to source energy use of an existing building from CBECS database (DOE-EIA). Note: An incomplete energy design profile could result in a high but inaccurate performance score for your project.
[2] "Percent Energy Reduction" is the percent reduction from the median energy consumption of a similar building and the equivalent of a Rating of 50.
[3] The amount of carbon dioxide equivalent gases emitted from the facility's estimated energy consumption.


**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Lehighton Area Middle School** | Location: **301 Beaver Run Road, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 2,964,326 |
| Space Type: **K-12 School** | Total Floor Area: **118,450 sq. ft.** Total Gross Floor Are **118,450 Sq. Ft.** | |


| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **K-12 School** | Gross Floor Area **118450 Sq. Ft.** | Open Weekends? **No** | Number of PCs **400** | Number of walk-in refrigeration/freezer units **2** | Presence of cooking facilities **Yes** | Percent Cooled **100 %** | Percent Heated **100 %** | High School? **No** |

This document was generated from Target Finder, an EPA tool located on the ENERGY STAR Web site, www.energystar.gov.

OMB No.2060-0347

DESIGNED TO EARN THE ENERGY STAR

### STATEMENT OF ENERGY DESIGN INTENT

August 14, 2012

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Lehighton Area High School** | Location: **1 Indian Lane, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 3,713,826 |
| Space Type: **K-12 School** | Total Floor Area: **148,940 sq. ft.** Total Gross Floor Area **148,940 Sq. Ft.** | |

| RESULTS FOR ESTIMATED ENERGY USE | DESIGN | MEDIAN BUILDING | ESTIMATED SAVINGS |
|---|---|---|---|
| EPA Energy Performance Rating (1-100)[1] | 95 | 50 | N/A |
| Percent Energy Reduction (%)[2] | 46 | 0 | N/A |
| Site Energy Use Intensity (kBtu/sf/yr) | 24 | 46 | 22 |
| Source Energy Use Intensity (kBtu/sf/yr) | 78 | 144 | 66 |
| Total Annual Site Energy Use (kBtu/yr) | 3,713,827 | 6,866,134 | 3,152,307 |
| Total Annual Source Energy Use (kBtu/yr) | 11,661,418 | 21,581,406 | 9,919,988 |
| Total Annual Energy Costs ($) | $101,988 | $188,557 | $86,569 |
| **Pollution Emissions (metric tons/yr)** [3] | | | |
| $CO_2$-eq | 470 | 869 | 399 |

**CONTACT INFORMATION**

Building Owner/Company Name

Address

City, State, Zip Code

Contact Name

Phone Email

**Professional Verification** (Licensed Architect/Engineer)

Prepared By

Firm Name

Address

City, State, Zip Code

Phone

Email

**Professional Stamp**
Signature & Date

This project was specified and executed to achieve Designed to Earn the ENERGY STAR certification.

**Architect of Record Firm** (if different from verifier)

Name

Firm Name

Phone

Email

[1] Target Finder determines an EPA energy performance rating by comparing estimated total annual source energy use to source energy use of an existing building from CBECS database (DOE-EIA). Note: An incomplete energy design profile could result in a high but inaccurate performance score for your project.
[2] "Percent Energy Reduction" is the percent reduction from the median energy consumption of a similar building and the equivalent of a Rating of 50.
[3] The amount of carbon dioxide equivalent gases emitted from the facility's estimated energy consumption.

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Lehighton Area High School** | Location: **1 Indian Lane, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 3,713,826 |
| Space Type: **K-12 School** | Total Floor Area: **148,940 sq. ft.** Total Gross Floor Are **148,940 Sq. Ft.** | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **K-12 School** | Gross Floor Area **148940 Sq. Ft.** | Open Weekends? **No** | Number of PCs **645** | Number of walk-in refrigeration/freezer units **2** | Presence of cooking facilities **Yes** | Percent Cooled **100 %** | Percent Heated **100 %** | High School? **Yes** |

This document was generated from Target Finder, an EPA tool located on the ENERGY STAR Web site, www.energystar.gov.

# ENERGY PORTFOLIO SURVEY

## SELECTED OPTIONS - OPTION 6 SUPPLEMENTAL INFORMATION

Within the District-Wide Facility Study, Energy Portfolio Surveys must be included for each existing building and for each Construction Option that is being considered for PlanCon Projects submitted after 1 July 2011. This was provided as supplemental information to the Feasibility Study.

1. Surveys for each Existing Building (Refer to Feasibility Study)

2. Surveys for the Construction Options: This Survey entails providing a predicitive utility budget, using the EPA/DOE Target Finder tool, identifying the annual site and source energy and annual water consumption.

   Refer to the following Surveys for Option 6

# ENERGY PORTFOLIO SURVEY

## SELECTED OPTIONS - OPTION 6 — New Primary/Elementary School

LEARN MORE AT energystar.gov

### ENERGY STAR® Statement of Energy Design Intent (SEDI)[1]
New Primary/Elementary Center

**91**

ENERGY STAR® Design Score[2]

Primary Property Function: K-12 School
Gross Floor Area (ft²): 140,000
Estimated Date of Certification of Occupancy: _____

Date Generated: May 05, 2014

**1. This form may be used to apply for the ENERGY STAR Designed to Earn. This form was generated from Portfolio Manager's target finder: http://www.portfoliomanager.energystar.gov/targetfinder.**
**2. The ENERGY STAR Score is based on total source energy. The scale is 1-100. A score of 75 is the minimum to be eligible for the ENERGY STAR.**

### Property & Contact Information for Design Project

| Property Address | Project Architect | Owner Contact |
|---|---|---|
| New Primary/Elementary Center<br>1 Indian Lane<br>Lehighton, Pennsylvania 18235 | ___ _____<br>,<br>(___)___-_____<br>_____ | ___ _____<br>,<br>(___)___-_____<br>_____ |
| **Property ID**: 4047812 | **Architect Of Record** | **Property Owner** |
| | _____<br>_____<br>_____,___ _____<br>(___)___-_____ | _____<br>,<br>(___)___-_____ |

### Estimated Design Energy

| Fuel Type | Usage | Energy Rate ($/Unit) |
|---|---|---|
| Electric - Grid | 3,780,000 kBtu (thousand Btu) | Not Provided |

### Estimated Design Use Details

| K-12 School | |
|---|---|
| Gross Floor Area | 140,000 Sq. Ft. |
| High School | No |
| Gymnasium Floor Area | 12,000 Sq. Ft. |
| Percent That Can Be Cooled | All of it - 100% |
| School District | Lehighton Area |
| Percent That Can Be Heated | All of it - 100% |
| Number of Computers | 300 |
| Number of Walk-in Refrigeration/Freezer Units | 3 |
| Months in Use | 10 |
| Student Seating Capacity | 1,350 |
| Cooking Facilities | Yes |
| Number of Workers on Main Shift | 100 |
| Weekend Operation | No |

### Design Energy and Emission Results

| Metric | Design Project | Median Property | Estimated Savings |
|---|---|---|---|
| ENERGY STAR Score (1-100) | **91** | 50 | N/A |
| Energy Reduction (from Median)(%) | **-39.46** | 0 | N/A |
| Source Energy Use Intensity (kBtu/ft2/yr) | **84** | 140 | 56 |
| Site Energy Use Intensity (kBtu/ft2/yr) | **27** | 44 | 17 |
| Source Energy Use (kBtu/yr) | **11,869,195** | 19,614,000 | 7,744,805 |
| Site Energy Use (kBtu/yr) | **3,779,998** | 6,244,000 | 2,464,002 |
| Energy Costs ($) | **103,805** | 171,472 | 67,667 |
| Total GHG Emissions (Metric Tons CO2e) | **478** | 790 | 312 |

OMB No.2060-0347

DESIGNED TO EARN THE ENERGY STAR

### STATEMENT OF ENERGY DESIGN INTENT
August 14, 2012

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Lehighton Area Middle School** | Location: **301 Beaver Run Road, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 2,964,326 |
| Space Type: **K-12 School** | Total Floor Area: **118,450 sq. ft.** Total Gross Floor Area **118,450 Sq. Ft.** | |

| RESULTS FOR ESTIMATED ENERGY USE | DESIGN | MEDIAN BUILDING | ESTIMATED SAVINGS |
|---|---|---|---|
| EPA Energy Performance Rating (1-100)[1] | 96 | 50 | N/A |
| Percent Energy Reduction (%)[2] | 48 | 0 | N/A |
| Site Energy Use Intensity (kBtu/sf/yr) | 25 | 48 | 23 |
| Source Energy Use Intensity (kBtu/sf/yr) | 78 | 151 | 73 |
| Total Annual Site Energy Use (kBtu/yr) | 2,964,325 | 5,709,290 | 2,744,965 |
| Total Annual Source Energy Use (kBtu/yr) | 9,307,983 | 17,933,330 | 8,625,347 |
| Total Annual Energy Costs ($) | $81,406 | $156,787 | $75,381 |
| **Pollution Emissions (metric tons/yr)** [3] | | | |
| $CO_2$-eq | 375 | 723 | 348 |

**CONTACT INFORMATION**

Building Owner/Company Name

Address

City, State, Zip Code

Contact Name

Phone Email

**Professional Verification** (Licensed Architect/Engineer)

Prepared By

Firm Name

Address

City, State, Zip Code

Phone

Email

**Professional Stamp**
Signature & Date

This project was specified and executed to achieve Designed to Earn the ENERGY STAR certification.

**Architect of Record Firm** (if different from verifier)

Name

Firm Name

Phone

Email

[1] Target Finder determines an EPA energy performance rating by comparing estimated total annual source energy use to source energy use of an existing building from CBECS database (DOE-EIA). Note: An incomplete energy design profile could result in a high but inaccurate performance score for your project.
[2] "Percent Energy Reduction" is the percent reduction from the median energy consumption of a similar building and the equivalent of a Rating of 50.
[3] The amount of carbon dioxide equivalent gases emitted from the facility's estimated energy consumption.


**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Lehighton Area Middle School** | Location: **301 Beaver Run Road, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 2,964,326 |
| Space Type: **K-12 School** | Total Floor Area: **118,450 sq. ft.** Total Gross Floor Are **118,450 Sq. Ft.** | |


| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **K-12 School** | Gross Floor Area **118450 Sq. Ft.** | Open Weekends? **No** | Number of PCs **400** | Number of walk-in refrigeration/freezer units **2** | Presence of cooking facilities **Yes** | Percent Cooled **100 %** | Percent Heated **100 %** | High School? **No** |

This document was generated from Target Finder, an EPA tool located on the ENERGY STAR Web site, www.energystar.gov.

# ENERGY PORTFOLIO SURVEY

## SELECTED OPTIONS

## Lehighton Area High School

OMB No.2060-0347

DESIGNED TO EARN THE ENERGY STAR

### STATEMENT OF ENERGY DESIGN INTENT

August 14, 2012

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Lehighton Area High School** | Location: **1 Indian Lane, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 3,713,826 |
| Space Type: **K-12 School** | Total Floor Area: **148,940 sq. ft.** Total Gross Floor Area **148,940 Sq. Ft.** | |

| RESULTS FOR ESTIMATED ENERGY USE | DESIGN | MEDIAN BUILDING | ESTIMATED SAVINGS |
|---|---|---|---|
| EPA Energy Performance Rating (1-100)[1] | 95 | 50 | N/A |
| Percent Energy Reduction (%)[2] | 46 | 0 | N/A |
| Site Energy Use Intensity (kBtu/sf/yr) | 24 | 46 | 22 |
| Source Energy Use Intensity (kBtu/sf/yr) | 78 | 144 | 66 |
| Total Annual Site Energy Use (kBtu/yr) | 3,713,827 | 6,866,134 | 3,152,307 |
| Total Annual Source Energy Use (kBtu/yr) | 11,661,418 | 21,581,406 | 9,919,988 |
| Total Annual Energy Costs ($) | $101,988 | $188,557 | $86,569 |
| **Pollution Emissions (metric tons/yr)** [3] | | | |
| $CO_2$-eq | 470 | 869 | 399 |

**CONTACT INFORMATION**

Building Owner/Company Name

Address

City, State, Zip Code

Contact Name

Phone Email

**Professional Verification** (Licensed Architect/Engineer)

Prepared By

Firm Name

Address

City, State, Zip Code

Phone

Email

**Professional Stamp**
Signature & Date

This project was specified and executed to achieve Designed to Earn the ENERGY STAR certification.

**Architect of Record Firm** (if different from verifier)

Name

Firm Name

Phone

Email

[1] Target Finder determines an EPA energy performance rating by comparing estimated total annual source energy use to source energy use of an existing building from CBECS database (DOE-EIA). Note: An incomplete energy design profile could result in a high but inaccurate performance score for your project.
[2] "Percent Energy Reduction" is the percent reduction from the median energy consumption of a similar building and the equivalent of a Rating of 50.
[3] The amount of carbon dioxide equivalent gases emitted from the facility's estimated energy consumption.

**FACILITY INFORMATION & CHARACTERISTICS**

| | | |
|---|---|---|
| Facility Name: **Lehighton Area High School** | Location: **1 Indian Lane, Lehighton, PA 18235 United States** | **Design Energy (kBtu)[1]** Electricity - Grid Purchase 3,713,826 |
| Space Type: **K-12 School** | Total Floor Area: **148,940 sq. ft.** Total Gross Floor Are **148,940 Sq. Ft.** | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **K-12 School** | Gross Floor Area **148940 Sq. Ft.** | Open Weekends? **No** | Number of PCs **645** | Number of walk-in refrigeration/freezer units **2** | Presence of cooking facilities **Yes** | Percent Cooled **100 %** | Percent Heated **100 %** | High School? **Yes** |

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# PART V
# APPENDIX

# DEFINITIONS

The following section is included in this report to present the reader with the terminology used in this Study.

**Adjusted Capacity** - The adjusted capacity reflects usage of a building in compliance with Pennsylvania Department of Education (PDE) guidelines. These guidelines include individual classroom spaces for all PDE recommended educational subjects, including art, music, and special education programs; and, occupancy use of all support services and programs per recommended minimum square footage.

**Architectural Area -** The sum of the areas of all floors, including basements, mezzanines, and penthouses, with a 6 ft. 6 in. minimum head room height. The area is measured from the exterior faces of the exterior walls. The area of open roofed-over paved areas and covered walkways is also included, but multiplied by a factor of 0.50. The area does not include roof overhangs, pipe trenches, exterior steps, or terraces.

**Building Replacement Value -** This value pertains to alteration work for an existing building. A project is only eligible for state reimbursement when the total alteration costs are greater than 20% of the replacement value for the building. The value is determined by following calculations of the PDE formula. (A capacity value or full-time equivalent (FTE) value is calculated for an existing building. The FTE is then multiplied by the PDE recommended square feet per student. This value, the recommended architectural area, is then multiplied by a construction cost per square foot factor to equal the building replacement value.)

**CARF -** Capital Account Reimbursement Fraction as determined by the Pennsylvania Department of Education.

**Classroom Equivalent -** An 800 sq. ft. space which can be subdivided into small group instructional areas for special support programs or be considered as a classroom.

**Cohort Survival -** A population projection method based upon historic data averages and multiplied by a retention ratio to determine future projections.

# DEFINITIONS

**Current Capacity -** The capacity reflects the current usage of spaces in a building. Room capacities are given to specific instructional spaces as determined, but may not be the original capacity when the school was constructed, or meet PDE guidelines for square footage. The capacity represents the PDE designated number of students that will occupy a space (regardless of the actual number of students that will occupy a space). The sum of all individual room capacities will equal the total building capacity.

**Enrollment -** The number of students that make up the student population in a school for the current year. Enrollment data is supplied for each grade level. The building enrollment includes only the student population in the grade levels which are to be housed by the building.

**Enrollment Projections -** Enrollment projections are calculated and supplied by the school district. The projections span from a current given year, to either five or ten years into the future for each grade level. The district enrollment projection model uses resident live birth data and grade progression rates determined by enrollment patterns from the most recent five years for grades 2 to 12. Retention rates for kindergarten and first grade are determined from births five and six years earlier, respectively. These ten-year projections are used to determine an increase or decline in the student population for each grade level. This date can be used to determine a need for more classroom space in the future.

**LEED® -** The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ encourages and accelerates global adoption of sustainable green building and development practices through the creation and implementation of universally understood and accepted tools and performance criteria. LEED certification provides independent, third-party verification that a building project meets the highest green building and performance measures.

**PlanCon -** When a school district undertakes a major construction project and seeks reimbursement from the Commonwealth, a process known as PlanCon is initiated. PlanCon, an acronym for Planning and Construction Workbook, is a set of forms and procedures used to apply for Commonwealth reimbursement. The PlanCon forms are designed to: (1) document a local school district's planning process; (2) provide justification for a project to the public; (3) ascertain compliance with state laws and regulations; and (4) establish the level of State participation in the cost of the project.

**Rated Pupil Capacity (RPC)** - The figure used to determine amount of reimbursement. RPC is determined by multiplying the Full Time Equivalent (FTE) by the RPC factor.

## DEFINITIONS

**Reimbursement** - For school construction projects, it is based on the capacity of a building that can be justified by current or projected student enrollment and is based on the Rated Pupil Capacity (RPC) of a building.

**Retention Ratio -** A ratio of the difference between a past year population and a present year population for a given progressing grade.

**Scheduled Area** - The sum of areas of instructional spaces which accommodate direct student instruction, such as classrooms, laboratories, student project or activity rooms, seminar rooms, shops, band and choral rooms, and physical education stations. General use areas are also included, such as libraries, locker rooms, team rooms, instructors' offices, multipurpose rooms, auditorium, stage, cafeteria and kitchen areas, health suites, faculty rooms, and administration suites. However, service and general storage areas, toilet rooms, custodial rooms, maintenance and utility areas, and circulation are not included.

**Total Project Cost** - The sum of areas of instructional spaces which accommodate direct student instruction, such as classrooms, laboratories, student project or activity rooms, seminar rooms, shops, band and choral rooms, and physical education stations. General use areas are also included, such as libraries, locker rooms, team rooms, instructors' offices, multipurpose rooms, auditorium, stage, cafeteria and kitchen areas, health suites, faculty rooms, and administration suites. However, service and general storage areas, toilet rooms, custodial rooms, maintenance and utility areas, and circulation are not included.

# INFORMATION UTILIZED IN THE STUDY

**District Aid Ration - 0.6011**

**District Millage Value = $337,235.00**

## DESIGN GUIDELINES FOR NEW CONSTRUCTION

| | S.F. Per Student | Cost per S.F. New Construction |
|---|---|---|
| | | ADDITIONS AND ALTERATIONS |
| **Elementary School** | 125 s.f. | $180-200 / s.f. construction cost for additions |
| **Middle School** | 150 s.f. | $180-200 / s.f. construction cost for additions |
| **High School** | 175-200 s.f. | $180-200 / s.f. construction cost for additions |

## DESIGN GUIDELINES FOR RENOVATION

| | |
|---|---|
| Educational Upgrade | See Part II Facilities |
| Renovation | See Part II Facilities |

**Site Acquisition or State Reimbursement on Site Acquisition – Not included in Total Construction Cost**

**Total Project Costs Include:**
**25% of construction cost for the following construction-related costs.**

| | |
|---|---|
| Movable Fixtures and Equipment | Architect/Engineering Fees |
| Project Contingency | Financing Cost |
| Construction-Related Costs | Project Supervision |

# AUTHORS OF THE STUDY

## EI ASSOCIATES - ARCHITECT

| | | |
|---|---|---|
| Architect - Design/Educational | Mark S. Barnhardt, AIA | PA License RA011059X |
| Architect - Design/Educational | Gary J. Bannon, AIA | PA License RA007886X |
| Project Manager - Design | Todd J. Vukmanic | |
| Architectural Designer - Design | Ann D. Long | |
| Director of Business Development | Leah E. Shiley, MBA | |

## MOORE ENGINEERING COMPANY

| | |
|---|---|
| Engineer - Mechanical | Kenneth Kaufman, P.E. |
| Engineer - Electrical | David Goodling, P.E. |

## LEHIGHTON AREA SCHOOL DISTRICT

| | |
|---|---|
| Superintendent | Jonathan Cleaver |
| Business Manger | Brian Feick |
| Director of Technology | Marcus Statham |
| Supervisor of Plant Operation | Joseph W. Hauser |

| | |
|---|---|
| Principal, East Penn & Franklin Elementary Schools | Suzanna Howland |
| Principal, Mahoning & Shull-David Elementary Schools | A. Sebelin |
| Principal, Lehighton Area Middle School | Charles Bachert |
| Principal, Lehighton Area High School | Craig Reichl |

## LEHIGHTON BOARD OF EDUCATION

**Officers:**

President - Gloria Bowman
Vice President - Hal Resh

**Members:**

Rocky Ahner
William J. Hill, Jr.
Stephen Holland
Lori Nothstein
Larry Stern
Wayne Wentz
Andrew Yenser

# AUTHORS OF THE STUDY

## EI ASSOCIATES

### Mark S. Barnhardt, AIA, Senior Vice President, Principal-in-Charge

#### EDUCATION

Pennsylvania State University
Master of Architecture
Miami University
Bachelor of Environmental Design
Thaddeus Stevens State School of Technology
Associate Degree

#### EXPERIENCE

Mark Barnhardt has been with EI Associates for over 20 years. Over this period of time, Mark has developed a specialized interest in the design of educational facilities. He has managed and designed over a half billion dollars of school construction projects.

#### REGISTRATIONS

| | |
|---|---|
| Commonwealth of PA | License Number RA011059X |
| State of Maryland | License Number 0013190 |
| State of New Jersey | License Number 21AI01591200 |

Pennsylvania Society of Architects
Central Pennsylvania Society of Architects
AIA Committee of Educational Architecture
Council of Educational Facility Planners
US Green Building Council
Green Building Council of Central PA
Green Building County of the Delaware Valley

# AUTHORS OF THE STUDY

## EI ASSOCIATES

### Gary J. Bannon, AIA

#### EDUCATION

Pennsylvania State University
Bachelor of Architecture

#### EXPERIENCE

Gary Bannon is a registered Architect and Principal-in-Charge for EI Associates. His experience as an Architect covers a variety of educational designs. He acts as Architect and Project Manager for projects in Pennsylvania and Maryland. Mr. Bannon also directs facility and demographic studies, evaluates funding and cost options, acts as a facilitator in the development of facility programs and needs assessment, preparation of conceptual designs focusing on operational effectiveness, and conducts code evaluations for both new and existing structures.

#### REGISTRATIONS

| | | |
|---|---|---|
| Commonwealth of PA | License Number | RA007886X |
| State of Maryland | License Number | 7046 |
| State of New Jersey | License Number | AL-15361 |

#### PROFESSIONAL SOCIETIES

American Institute of Architects
Pennsylvania Society of Architect
Central Pennsylvania Society of Architects
AIA Committee of Educational Architecture
AIA Committee of Justice Architecture
Council of Educational Planners, International

# AUTHORS OF THE STUDY

## EI ASSOCIATES

### Todd J. Vukmanic, Project Manager

Education

Pratt Institute
Bachelor of Architecture
Summa Cum Laude

### Ann D. Long, Architectural Designer

Education

Pennsylvania State University
Majored in Architecture and Architectural Engineering

Harrisburg Area Community College
AutoCad and 3-D Computer Design

### Leah E. Shiley, MBA, Director of Business Development

Education

Chatham College
Master of Business Administration

University of Pittsburgh
Bachelor of Arts, Communications

## NOTES

## NOTES