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SCHUYLKILL VALLEY SCHOOL DISTRICT
LEESPORT, PA

DISTRICT-WIDE FEASIBILITY STUDY
MARCH 2020



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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 Schuylkill Valley 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 programs and developments that might affect the study.

The following topics are covered within the study:

- An overview of the Schuylkill Valley School District that considers such factors as geography, population, and wealth. Distinguishing characteristics that will have an impact on Schuylkill Valley School District's facilities are identified such as geographically separate population centers.
- An analysis of Schuylkill Valley School District's projected enrollment, including population projection charts 10 years into the future for grade groupings K-3, 4-5, 6-8, 9-12; and K-12.
- An overview of Schuylkill Valley 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 American 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 Department's receipt 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 of the 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 of 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.

DISTRICT OVERVIEW INTRODUCTION

This section of the Feasibility Study is an overview of the Schuylkill Valley School District that considers such factors as geography, population, and wealth. Distinguishing characteristics that will have an impact on Schuylkill Valley 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 Total Housing Units as well as Occupied Housing Units, Vacant Housing Units, and Persons Per Household.
- Economic Characteristics including Income and Occupation data.
- General Population Characteristics.

DISTRICT OVERVIEW

School District Buildings

The Elementary School Program consists of grades K-4 located in Schuylkill Valley Elementary School.

The Secondary School program consists of grades 5-8 located in Schuylkill Valley Middle School and grades 9-12 located in Schuylkill Valley High School. The District Administration Offices are located in the High School Building.

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

TABLE 1 Schuylkill Valley S.D. Buildings	Grade Levels	2019-20 Student Enrollment	PDE Total Capacity	Architectural Area (SF)	Site Size Acres	Construction / Renovation Dates
Elementary School	K-4	791	975	112,000	110.41*	1993(B) PlanCon Eligibility: Yes
Middle School	5-8	684	955	152,000	110.41*	1974(B), 1998(A), 2007(A&A) PlanCon Eligibility: 2027
High School / DAO	9-12	636	967	182,000	110.41*	1959(B), 1995(A&A), 2000(DAO, A&A), 2006(A&A) PlanCon Eligibility: 2026

(*) indicates buildings are on a shared / campus site

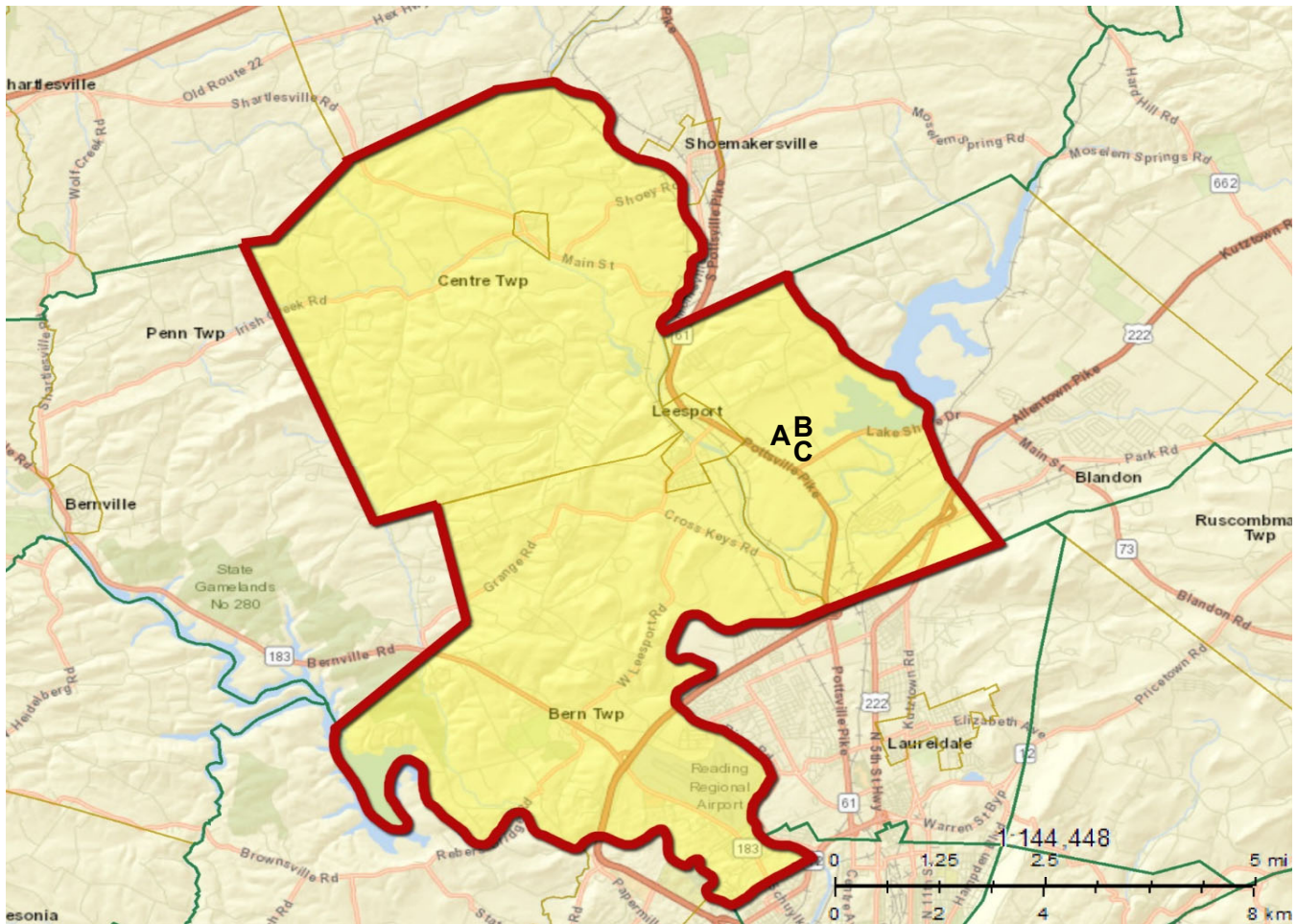
School Board of Directors

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 the 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

Schuylkill Valley School District - District Map

Map 1 illustrates the Schuylkill Valley School District. Map source is the 2017 US Census.



- A. Schuylkill Valley Elementary School
- B. Schuylkill Valley Middle School
- C. Schuylkill Valley High School / DAO

DISTRICT OVERVIEW

Geography / Geographic Population Centers

The Schuylkill Valley School District is located in northern Berks County, six miles north of Reading, in southeastern Pennsylvania. Refer to Map 2 for geographic illustrations.

The Schuylkill Valley School District includes the municipalities of: Bern Township, Centre Township, Ontelaunee Township, Leesport Borough, and Centerport Borough.

The main arteries that traverse the School District include: Route 61 running North/South through the Eastern of the District; Route 222 running at the Eastern corner of the District; also Route 183 running East/West through the Southern portion of the District.

The School District presently operates a K-4 Elementary School, a 5-8 Middle School, and a 9-12 High School. The respective grade-level attendance area attends the respective grade-level facility. The District Administration Offices are located in the High School Building.

Population / Population Density / Population Distribution by Land Use

The population age percentages based on the 2010 U.S. Census for the School District are as follows: 5% of residents are Pre-school age children 0 to 4 years; 15% of residents are School age children 5 to 17 years; 63% of residents are Adults age 18 to 64 years; and 17% of residents are Adults age 65+ years.

The School District serves an approximate population of 14,784 residents within 52 square miles. The approximate average Population Density of the School District is 284 persons per square mile, while the Household Average Density is 90 households per square mile.

The majority of the School District's population lives in urban areas with 57% of Housing classified as Urban and 43% of Housing classified as Rural; while 61% of residents are located in Urban areas and 39% of residents are located in Rural areas.

U.S. Census profiles for the Population of each Municipality that comprise the School District illustrate: a net increase from 2000 to 2010 in the Total Population, Pre-school age children 0-4 years, and Adults age 18-64 years, a net decrease in the School age children 5-17 years as well as Adults ages 65+ years from 2000 to 2010. The 2010 Census Data indicates that the median age is 40.9, illustrating a net increase in the median age.

DISTRICT OVERVIEW

Housing Characteristics

U.S. Census profiles for the Housing Data of each Municipality comprising the School District 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, and Persons Per Household from 2000 to 2010. The 2010 Census Data indicates 2.8 Persons Per Household, illustrating a net increase in Persons Per Household.

The Years that Housing Structures (all occupied and unoccupied units) were built in the School District are as follows: 19.20% were built 1939 or Earlier; 17.40% were built between 1940 to 1959; 21.10% were built between 1960 to 1979; 27.30% were built between 1980 to 1999; 10.10% were built between 2000 to 2004; and 5.0% were built 2005 or later.

The Years that the Householder moved into the Housing Unit (total occupied housing units) in the School District are as follows: 10.3% in 1969 or Earlier; 7.8% between 1970 to 1979; 12.8% between 1980 to 1989; 22.9% between 1990 to 1999; 22.4% between 2000 to 2004; 23.8% in 2005 or later.

Economic Characteristics

Economic data based on the 2010 U.S. Census for the School District: \$64,917 was the Median Household Income; \$72,130 was the Mean Household Income; \$24,613 was the Per Capita Income; and \$188,100 was the Median House Value.

The Occupation data of employed civilian population age 16 years and over for the School District: 30.7% Management, Business, Science, and Arts Occupations; 14.6% Service Occupations; 27.1% Sales & Office; 8.5% Natural Resources, Construction, and Maintenance Occupations; and 19.1% Production, Transportation & Material Moving.

The Industry data of employed civilian population age 16 years and over for the School District: 1.4% Agriculture, forestry, fishing and hunting, and mining; 6.7% Construction; 18.6% Manufacturing; 4.2% Wholesale trade; 12.8% Retail trade; 6.8% Transportation and warehousing, and utilities; 1.5% Information; 5.9% Finance and insurance, and real estate and rental and leasing; 8.9% Professional, scientific, and management, and administrative and waste management services; 20.6% Educational services, and health care and social assistance; 6.6% Arts, entertainment, and recreation, and accommodation and food services; 3.1% Other services, except public administration; and 3.1% Public administration.

General Population Characteristics

Total population of the School District: 52.4% Male and 47.6% Female.

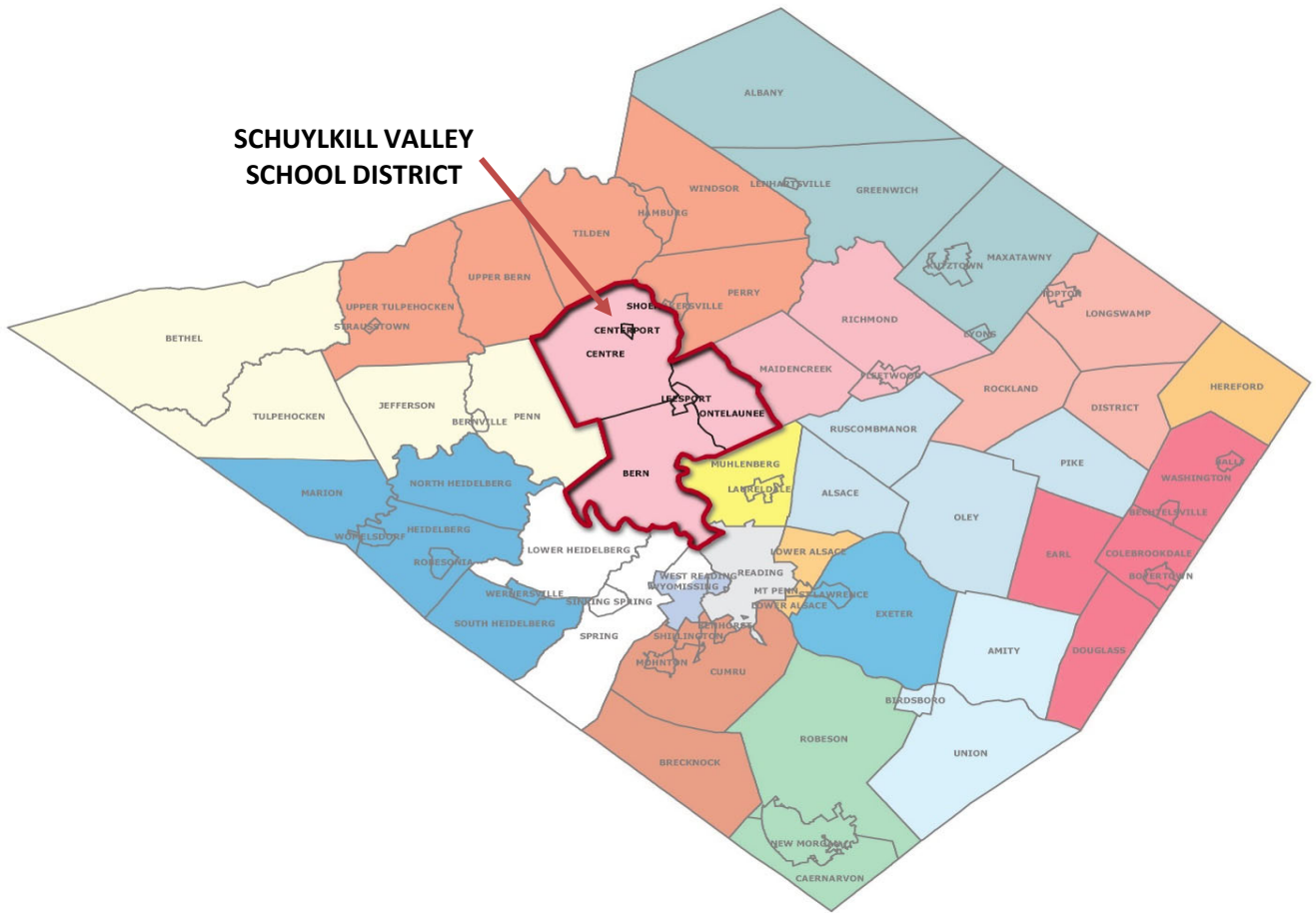
Total Population over 16 years of age: 58.9% are in the Labor Force; 95% commute to work by transportation other than walking or working at home; Mean travel time to work is 24.7 minutes.

The racial makeup of the School District in 2010 was 92.9% White, 3.7% African American, 0.1% Native American, 0.8% Asian, 0% Pacific Islander, 1.5% Other Races, and 1% from two or more races. Hispanic or Latino of any race were 6.5% of the population.





















DISTRICT OVERVIEW

Berks County School Districts - County Map

Map 2 illustrates the School Districts located in Berks County. Map source is the Berks County GIS.



School Districts

- | | |
|--|---|
|  ANTIETAM |  MUHLENBERG |
|  BOYERTOWN AREA (Partly in Montgomery Co) |  OLEY VALLEY |
|  BRANDYWINE HEIGHTS AREA |  READING |
|  CONRAD WEISER AREA |  SCHUYLKILL VALLEY |
|  DANIEL BOONE AREA |  TULPEHOCKEN AREA |
|  EXETER TOWNSHIP |  TWIN VALLEY (Partly in Chester Co) |
|  FLEETWOOD AREA |  UPPER PERKIOMEN (Partly in Montgomery Co) |
|  GOVERNOR MIFFLIN |  WILSON |
|  HAMBURG AREA |  WYOMISSING AREA |
|  KUTZTOWN AREA |  Municipal Boundary |

DISTRICT OVERVIEW

Population

The School District Population age percentages based on the 2010 U.S. Census: 5% of residents are Pre-school age children 0 to 4 years; 15% of residents are School age children 5 to 17 years; 63% of residents are Adults age 18 to 64 years; and 17% 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 2010 U.S. Census.

TABLE 2 Population	Number of Residents	Percentage of Residents
Pre-school children 0 to 4 years	709	5%
School age children 5 to 17 years	2,278	15%
Adults 18 to 64 years	9,337	63%
Adults 65+ years	2,460	17%
School District Total	14,784	100%

Population Density

The School District serves an approximate population of 14,784 residents within 52 square miles. The approximate average Population Density of the School District is 284 persons per square mile, while the Household Average Density is 90 households per square mile. The majority of the School District's population lives in Urban areas with 57% of Housing classified as Urban and 43% of Housing classified as Rural; while 61% of residents are located in Urban areas and 39% of residents are located in Rural areas.

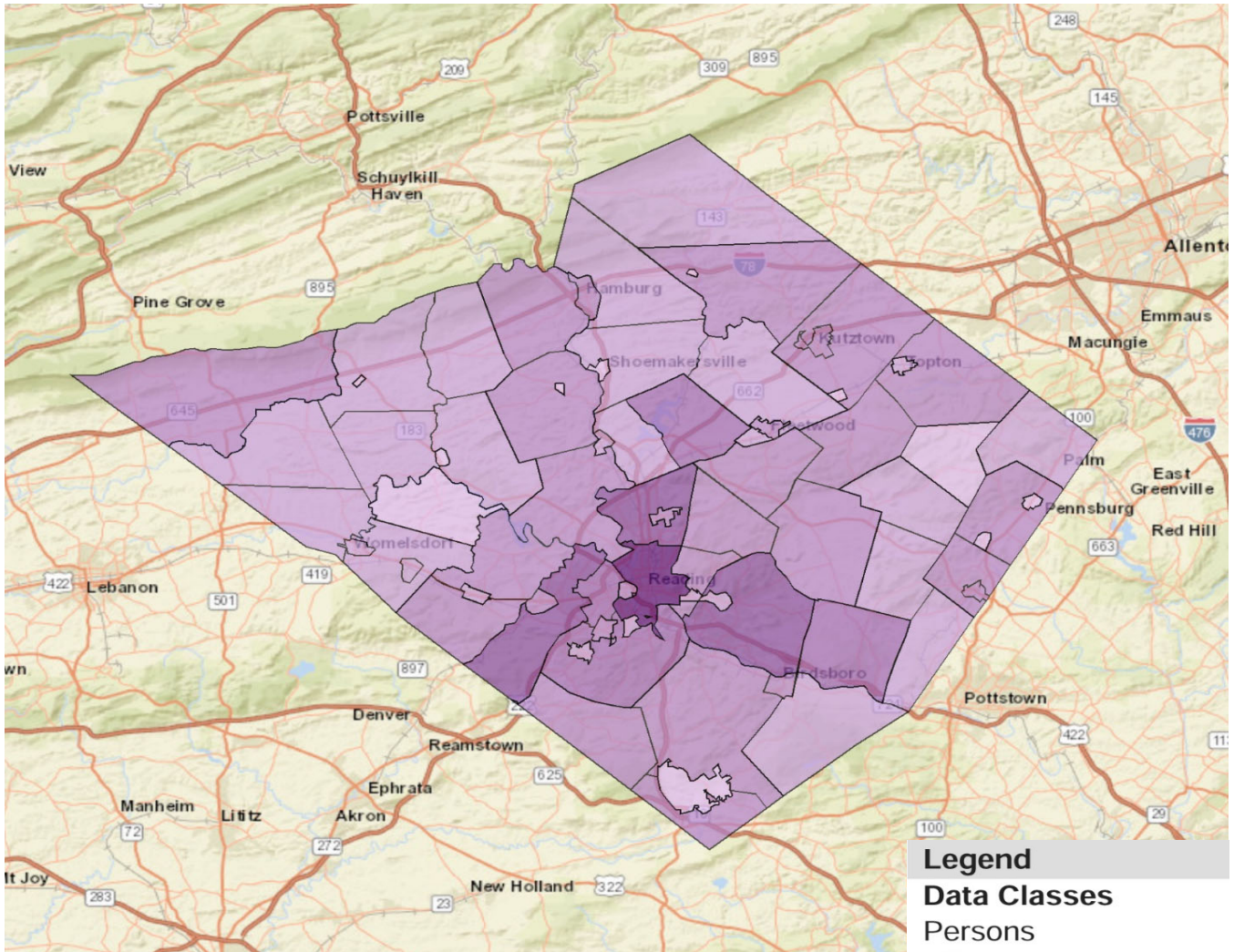
Table 3 profiles the population density of each municipality. The Data is based on the 2010 U.S. Census. Refer to Maps 3 & 4 for graphic illustrations of the Berks County Population and Housing Density Distribution by Data Classes.

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.
Bern Township	20.15	6,797	1,759	2,168	337.3	87.3
Centerport Borough	0.19	387	189	150	2,036.8	994.7
Centre Township	21.54	4,036	1,451	1,570	187.4	67.4
Leesport Borough	0.73	1,918	711	790	2,627.4	974.0
Ontelaunee Township	9.36	1,646	587	680	175.9	62.7
School District Total	51.97	14,784	4,697	5,358	284	90

DISTRICT OVERVIEW

Berks County Population Density - County Map

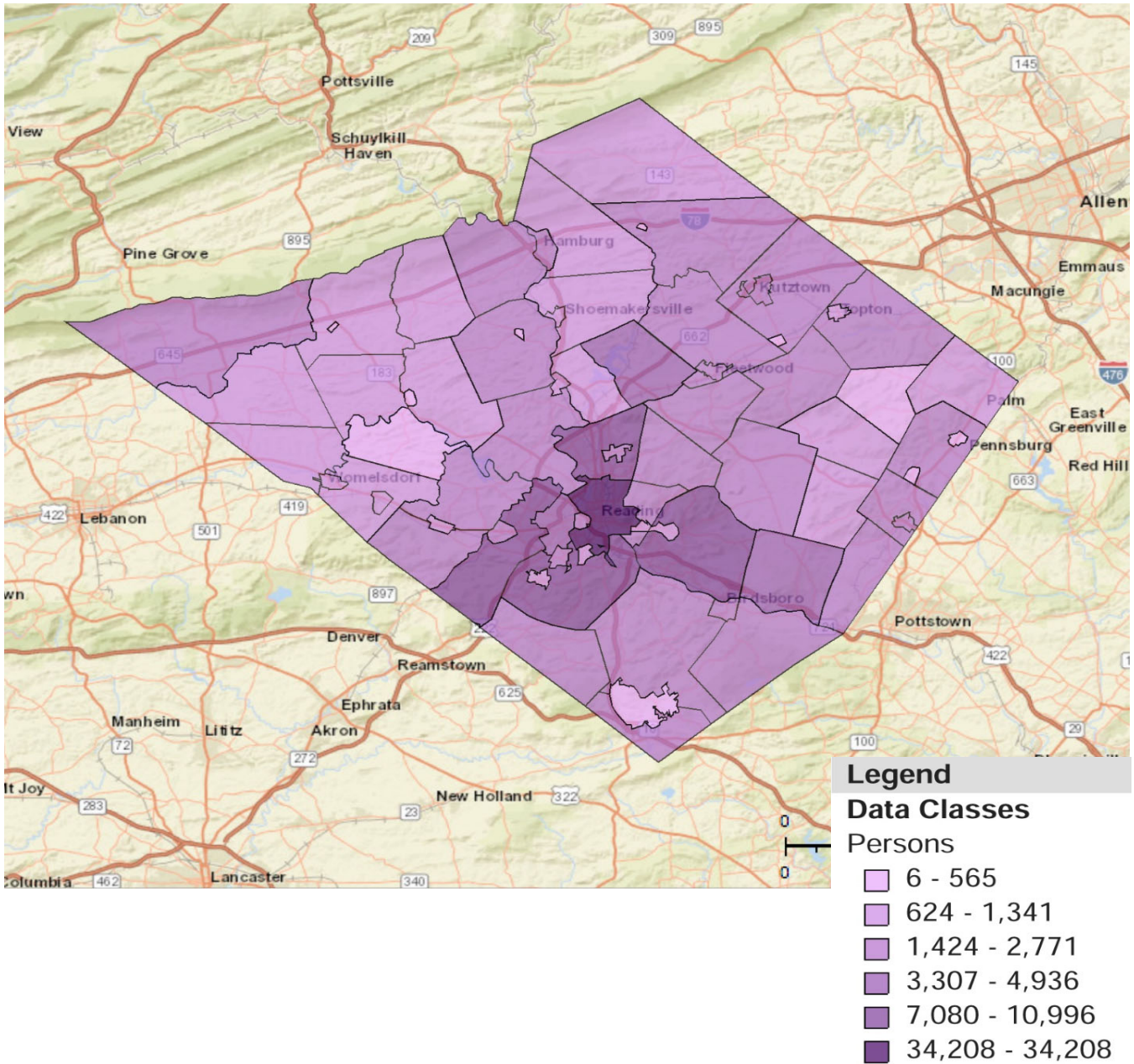
Map 3 illustrates the Berks County Population Distribution by Data Classes. Map source is the 2010 U.S. Census.



DISTRICT OVERVIEW

Berks County Housing Density - County Map

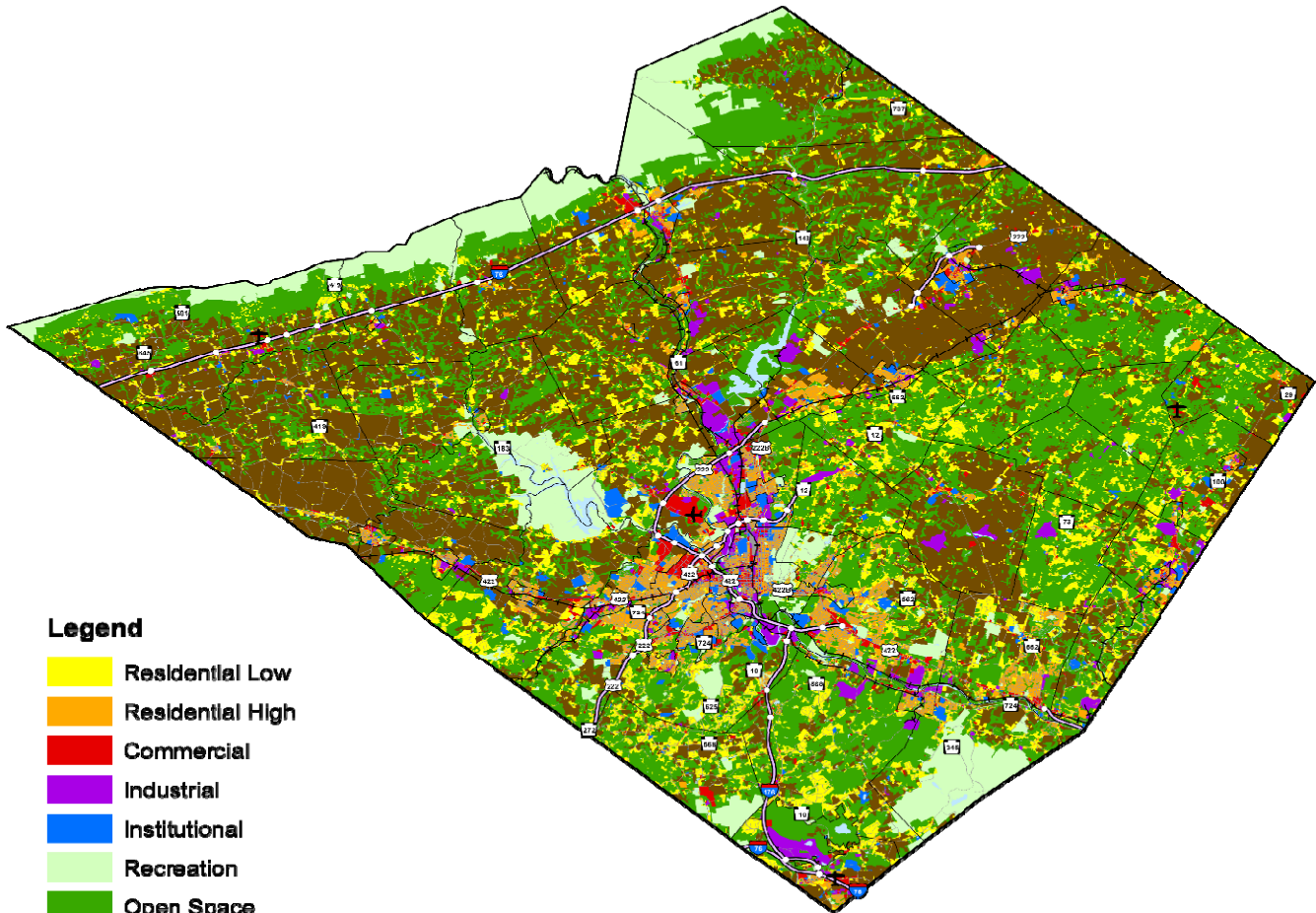
Map 4 illustrates the Berks County Housing Unit Distribution by Data Classes. Map source is the 2010 U.S. Census.



DISTRICT OVERVIEW

Berks County Existing Land Use - County Map

Map 5 illustrates the Existing Land Use in Berks County. Map source is the Berks County Comprehensive Plan. Berks County is approximately 866 square miles in area. The existing land use categories of Berks County's total land area are listed below.



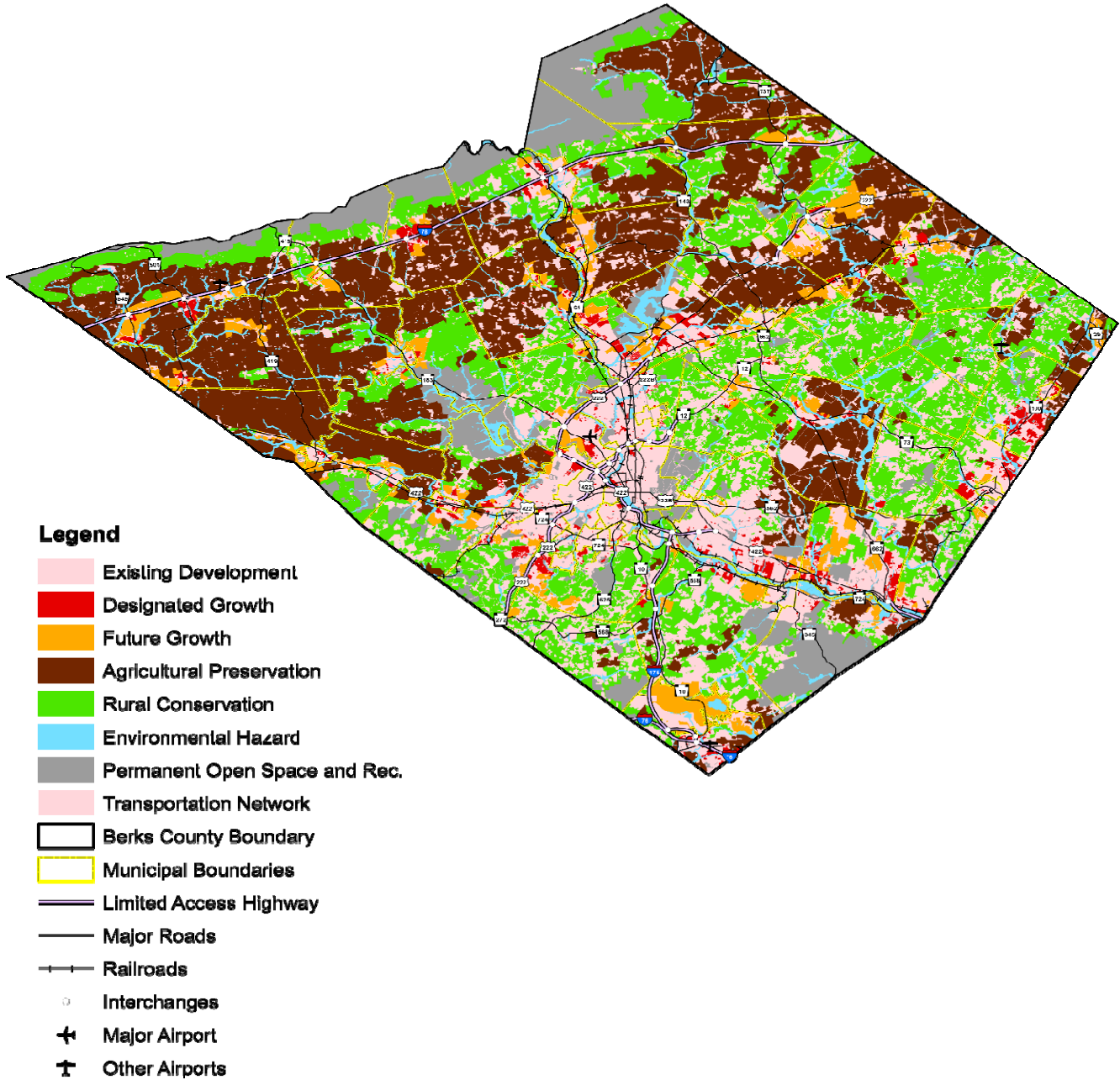
Legend

- Residential Low
- Residential High
- Commercial
- Industrial
- Institutional
- Recreation
- Open Space
- Agriculture
- Water
- Transportation
- Berks County Boundary
- Municipal Boundaries
- Limited Access Highway
- Railroads
- Interchanges
- Major Airport
- Other Airports

DISTRICT OVERVIEW

Berks County Proposed Land Use - County Map

Map 6 illustrates the Proposed Land Use in Berks County. Map source is the Berks County Comprehensive Plan. Berks County is approximately 866 square miles in area. The proposed land use categories of Berks County's total land area are listed below.



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 Schuylkill Valley 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 or half day Kindergarten programs and Pre-Kindergarten program
2. Grade groupings to remain or change
3. Future trends in special education
4. Trends in technology-based education and S.T.E.A.M. or academy programs
5. Desired classroom size as noted in study

General and Student Population**Population**

Data based on the 2000 and 2010 U.S. Census illustrates a net increase in the Total Population, Pre-school age children 0-4 years, and Adults age 18-64 years; a net decrease in School-age children 5-17 years as well as Adults ages 65+ years from 2000 to 2010.

The U.S. Census data illustrates a net increase in the Total Population from 2000 to 2010 by 1,046 persons and a net increase from 2010 to 2017 by an additional 772 persons.

Households

Data based on the 2000 and 2010 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 from 2000 to 2010. The data also illustrates a net increase in Persons Per Household from 2000 to 2010.

The U.S. Census data illustrates a net increase in the Total Housing Units from 2000 to 2010 by 575 housing units and a net increase from 2010 to 2017 by an additional 108 housing units.

Housing Unit Developments

There is the potential availability of land for development within the School District. Data based on information obtained from Municipalities and the "Berks County Comprehensive Plan 2030 Update" dated August 2019 indicates potential and/or planned housing development within the School District. The Townships appear to have had the most recent and potential growth. Each municipality has the potential for additional growth; however, the Boroughs have limited land availability for growth.

Live Birth Data

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

Students not included in Enrollment Projections

Each year there are a number of students who are not attending District Schools including eligible 5-year olds that do not start Kindergarten until age 6. In the 2019-20 school-year, approximately 120 students attend private schools with a number of students that are special needs and special education students placed outside the District, students that are home-schooled students, and students that are Charter / Cyber School students.

General and Student Population**Student Population attending District Schools**

The overall K-12 student population attending District Schools has risen from 1,888 students in the 2000-2001 school year to 2,111 in the 2019-2020 school year.

The K-4 student enrollment has steadily increased while slightly fluctuating over the past 15 years, illustrating both increases followed by slight decreases in the K-4 student enrollment through the 2019-20 school year. The 5-8 student enrollment has illustrated both increases and decreases with an overall increase in the 5-8 student enrollment. The 9-12 student enrollment has also experienced fluctuations over the past 15 years.

Current student enrollment projections indicate that the 10-year K-12 Student Enrollment may continue to increase based upon current projections through the 2029-30 school year.

Students per Household - 2000

2,404 school age children resided in the School District; 1,888 students or 79% attended the School District and approximately 515 school age children or 21% did not attend District Schools.

The percentage of Students per Total Housing Units was 0.50 in 2000; the percentage of students attending the School District for the 2000-01 school year was 0.39.

Students per Household - 2010

2,278 school age children resided in the School District; 1,946 students or 85% attended the School District and approximately 330 school age children or 15% did not attend District Schools.

The percentage of Students per Total Housing Units was 0.43 in 2010; the percentage of students attending the School District for the 2010-11 school year was 0.36.

Students per Household - 2017

The percentage of students attending the School District for the 2017-18 school year was 0.38. This indicates a slight increase in the number of students per household attending District Schools from 2010 to 2017. This percentage is closer to the 2000-01 school year percentage of 0.39 students per household that attended District Schools.

Data Summary

There was an increase in the Total Population of 1,046 persons or 7.6% from 2000 to 2010 and an estimated increase of 772 persons or 5.2% from 2010 to 2017; there was an increase in the Total Housing Units of 575 units or 12.02% from 2000 to 2010 and an estimated increase of 108 units or 2.02% from 2010 to 2017; and there was a slight increase in the number of Persons per Household from 2000 to 2010.

The percentage of school age students residing in the District who were not attending District Schools was 15% in 2010. There is a potential for any portion of the current percentage of School-age Students residing in the District who are not currently attending District Schools to attend the District Schools in the future.

Population Information

Tables 4-6 profile the Population of each Municipality that comprise the Schuylkill Valley School District. The Data is based on the U.S. Census. **The Tables illustrate a net increase in the Total Population, Pre-school age children 0-4 years, and Adults age 18-64 years. The Tables illustrate a net decrease in the School age children 5-17 years and Adults ages 65+ years. The 2010 Census data indicates that the median age is 40.9**

Table 4 profiles data from the 2000 Census and **Table 5** profiles data from the 2010 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 4 2000 U.S. Census	Total Population	Age 0-4 Yrs.	Age 5-17 Yrs.	Age 18-64 Yrs.	Age 65+ Yrs.	Median Age
Bern Township	6,758	226	1,108	3,655	1,768	42.4
Centerport Borough	327	19	41	220	47	35.7
Centre Township	3,631	209	724	2,294	371	37.8
Leesport Borough	1,805	132	350	1,119	205	35.1
Ontelaunee Township	1,217	43	181	764	233	42.8
School District Total	13,738	629	2,404	8,052	2,624	
School Dist. % Total	100%	5%	17%	59%	19%	

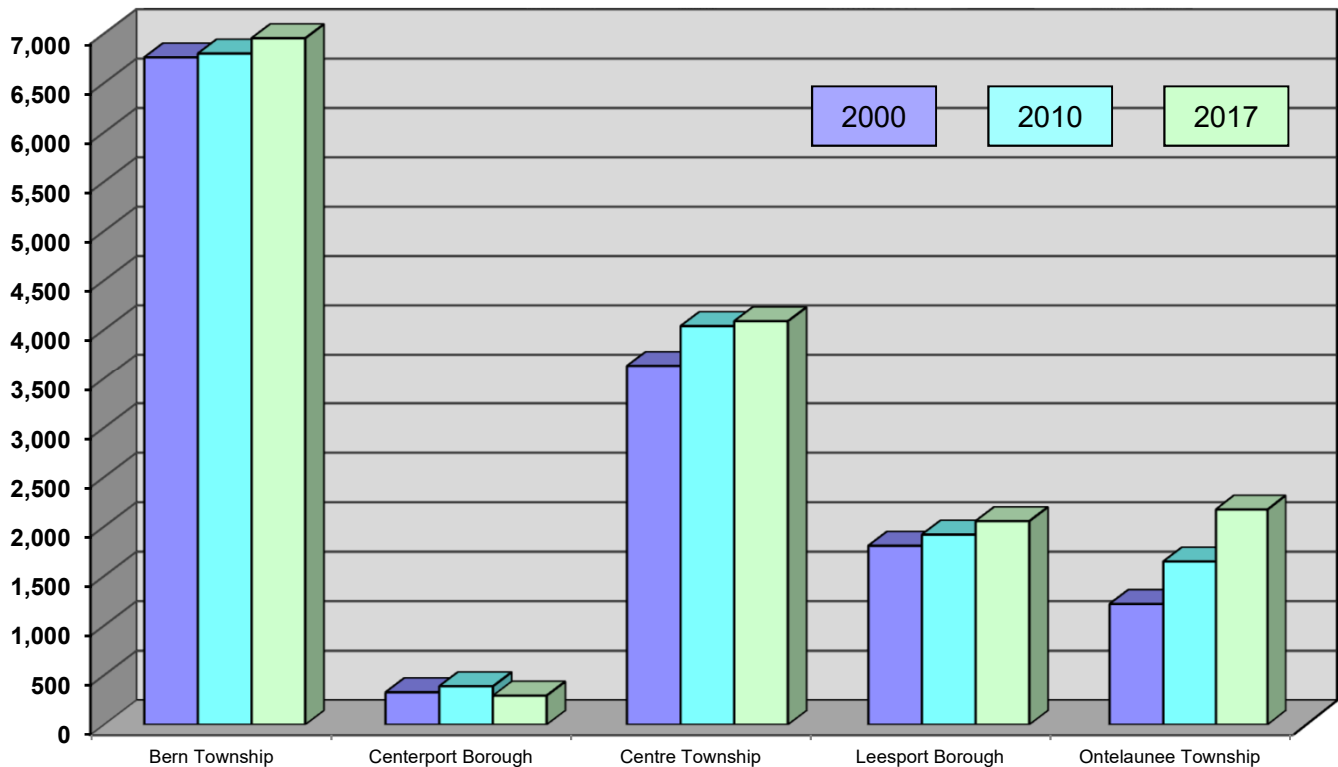
TABLE 5 2010 U.S. Census	Total Population	Age 0-4 Yrs.	Age 5-17 Yrs.	Age 18-64 Yrs.	Age 65+ Yrs.	Median Age
Bern Township	6,797	228	859	4,273	1,437	45.3
Centerport Borough	387	33	60	232	62	37.9
Centre Township	4,036	195	740	2,601	500	43.0
Leesport Borough	1,918	135	344	1,228	211	37.7
Ontelaunee Township	1,646	118	275	1,003	250	40.6
School District Total	14,784	709	2,278	9,337	2,460	40.9
School Dist. % Total	100%	5%	15%	63%	17%	

Population Information

Table 6 profiles the Total population of each municipality for the Census years 2000 and 2010 as well as 2017 estimated data. (Data Source: U.S. Census) **The overall Total Population shows an increase of 1,046 persons or 7.6% from 2000 to 2010; and an estimated increase of 772 persons or 5.2% from 2010 to 2017.**

TABLE 6 Total Population	2000 Actual Total Popul.	2010 Actual Total Popul.	Value Change 2000 to 2010	% Change 2000 to 2010	2017 Estimated Total Popul.	Value Change 2010 to 2017	% Change 2010 to 2017
Bern Township	6,758	6,797	39	0.6%	6,952	155	2.3%
Centerport Borough	327	387	60	18.3%	293	-94	-24.3%
Centre Township	3,631	4,036	405	11.2%	4,086	50	1.2%
Leesport Borough	1,805	1,918	113	6.3%	2,054	136	7.1%
Ontelaunee Township	1,217	1,646	429	35.3%	2,171	525	31.9%
School Dist. Total	13,738	14,784	1,046	7.6%	15,556	772	5.2%

TABLE 6 - CHART A



Household Information

Tables 7-9 profile the Household data of each Municipality that comprise the Schuylkill Valley School District. The Data is based on the U.S. Census. **The Tables illustrate a net increase in the Total Housing Units, Occupied Housing Units, Owner Occupied Units, Renter Occupied Units, as well as Vacant Housing Units. The Tables also illustrate a net increase in Persons Per Household.**

Table 7 profiles data from the 2000 Census and **Table 8** profiles data from the 2010 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 7 Housing Units 2000 U.S. Census	Total Housing Units	Occupied Housing Units	Owner Occupied Units	Renter Occupied Units	Vacant Housing Units	Persons Per Household
Bern Township	1,964	1,903	1,540	176	61	2.55
Centerport Borough	139	129	71	48	10	2.53
Centre Township	1,405	1,362	849	145	43	2.67
Leesport Borough	718	695	505	170	23	2.60
Ontelaunee Township	557	518	360	92	39	2.36
School District Total	4,783	4,607	3,325	631	176	2.54

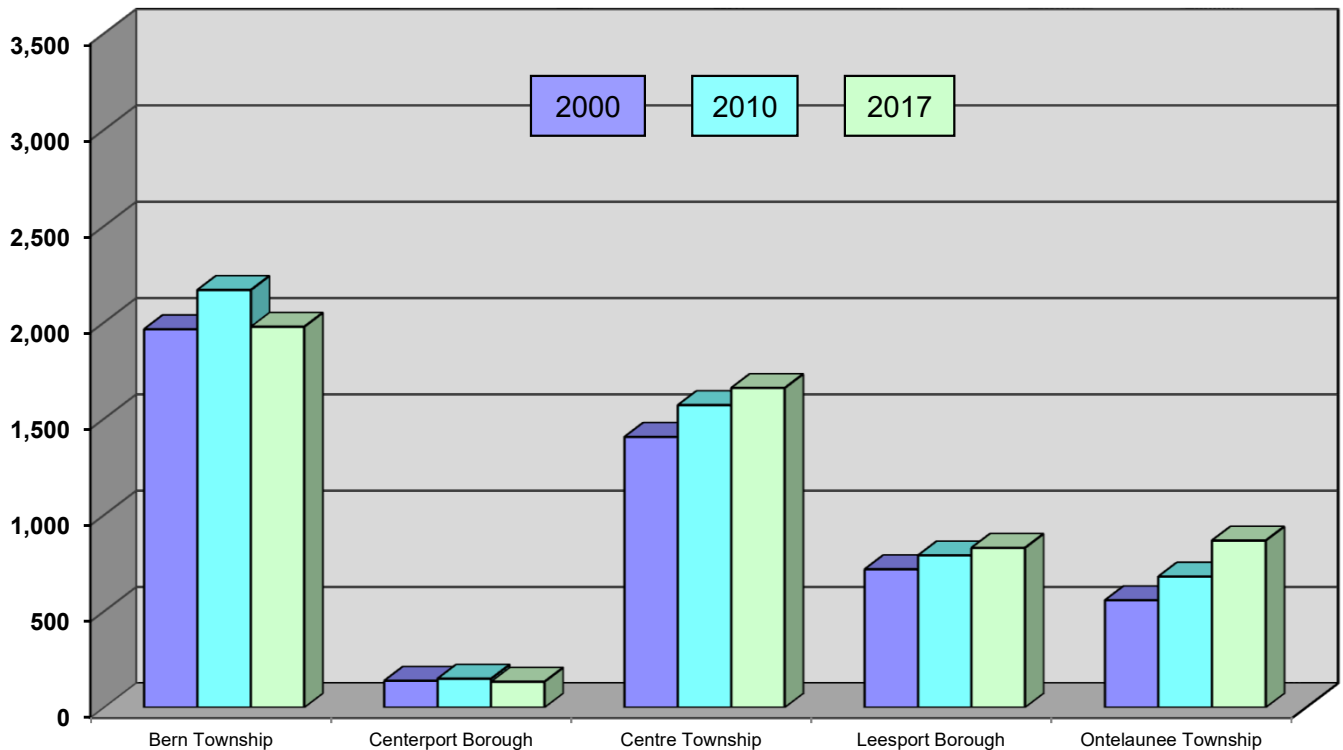
TABLE 8 Housing Units 2010 U.S. Census	Total Housing Units	Occupied Housing Units	Owner Occupied Units	Renter Occupied Units	Vacant Housing Units	Persons Per Household
Bern Township	2,168	2,080	1,834	246	88	2.62
Centerport Borough	150	149	91	58	1	2.97
Centre Township	1,570	1,511	1,368	143	59	2.80
Leesport Borough	790	747	596	151	43	2.95
Ontelaunee Township	680	637	526	111	43	2.65
School District Total	5,358	5,124	4,415	709	234	2.80

Household Information

Table 9 profiles the Total Housing Units of each Municipality for the Census years 2000 and 2010 as well as 2017 estimated data. **The overall Total Housing Units shows an increase of 575 units or 12.02% from 2000 to 2010; and an estimated increase of 108 units or 2.02% from 2010 to 2017.**

TABLE 9 Total Housing Units	2000 Total Housing Units	2010 Total Housing Units	Value Change 2000 to 2010	% Change 2000 to 2010	2017 Estimated Housing Units	Value Change 2010 to 2017	% Change 2010 to 2017
Bern Township	1,964	2,168	204	10.39%	1,977	-191	-8.81%
Centerport Borough	139	150	11	7.91%	134	-16	-10.67%
Centre Township	1,405	1,570	165	11.74%	1,659	89	5.67%
Leesport Borough	718	790	72	10.03%	829	39	4.94%
Ontelaunee Township	557	680	123	22.08%	867	187	27.50%
School District Total	4,783	5,358	575	12.02%	5,466	108	2.02%

TABLE 9 - CHART A



Live Birth Data

Tables 10-12 profile Live Birth data for the Schuylkill Valley School District. The Data is based on information from the Pennsylvania Department of Education. **The Tables illustrate an overall net increase in the number of children entering Kindergarten and in the number of children entering First Grade compared to the number of Births.**

Table 10 profiles the number of Births from the years 2009 through the years 2023. The Live Birth data from years 2018-2023 are based on projections. The overall Live Birth data shows a projected decrease in the number of live births.

Table 11 profiles the number of children entering Kindergarten from the year 2014 through the year 2028. Birth data is known for students entering Kindergarten in 2022; however, the student enrollment data from years 2019-2020 are based on PDE projections. (The assumption is made that the respective children born in 2009 will enter Kindergarten in the year 2014)

Table 12 profiles the number of children entering First Grade from the year 2015 through the year 2028. Birth data is known for students entering First Grade in 2023; however, the student enrollment data from years 2019-2020 are based on PDE projections. (The assumption is made that the respective children born in 2009 will enter First Grade in the year 2015)

TABLE 10	
Year of Birth	Number of Births
2009	132
2010	127
2011	130
2012	118
2013	140
2014	121
2015	134
2016	135
2017	124
2018	122
2019	120
2020	118
2021	116
2022	114
2023	112

TABLE 11		
Year Entering K	Number Entering K	% Birth to K
2014	143	108.33%
2015	129	101.57%
2016	150	115.38%
2017	134	113.56%
2018	147	105.00%
2019*	131	108.26%
2020*	145	108.21%
2021*	146	108.15%
2022*	134	108.06%
2023*	132	108.20%
2024*	130	108.33%
2025*	128	108.47%
2026*	126	108.62%
2027*	123	107.89%
2028*	121	108.04%

TABLE 12		
Year Entering 1st	Number Entering 1st	% Birth to 1st
2015	158	119.70%
2016	138	108.66%
2017	157	120.77%
2018	147	124.58%
2019	170	121.43%
2020	147	121.49%
2021	163	121.64%
2022	164	121.48%
2023	151	121.77%
2024	148	121.31%
2025	146	121.67%
2026	144	122.03%
2027	141	121.55%
2028	139	121.93%

Live Birth Data

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

TABLE 10 & TABLE 11 - CHART A

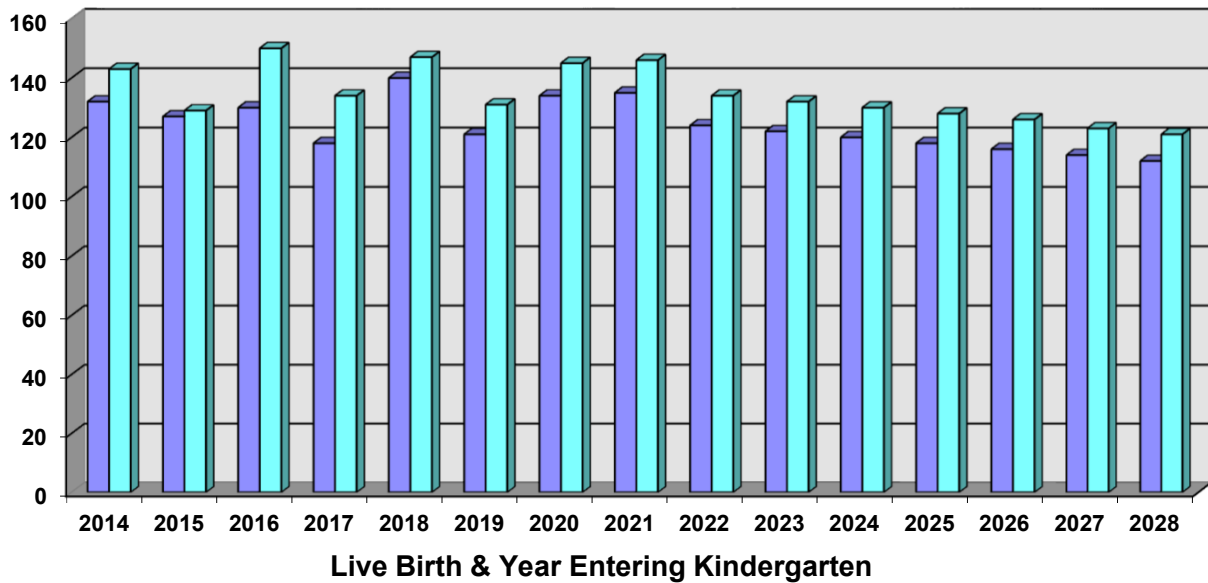
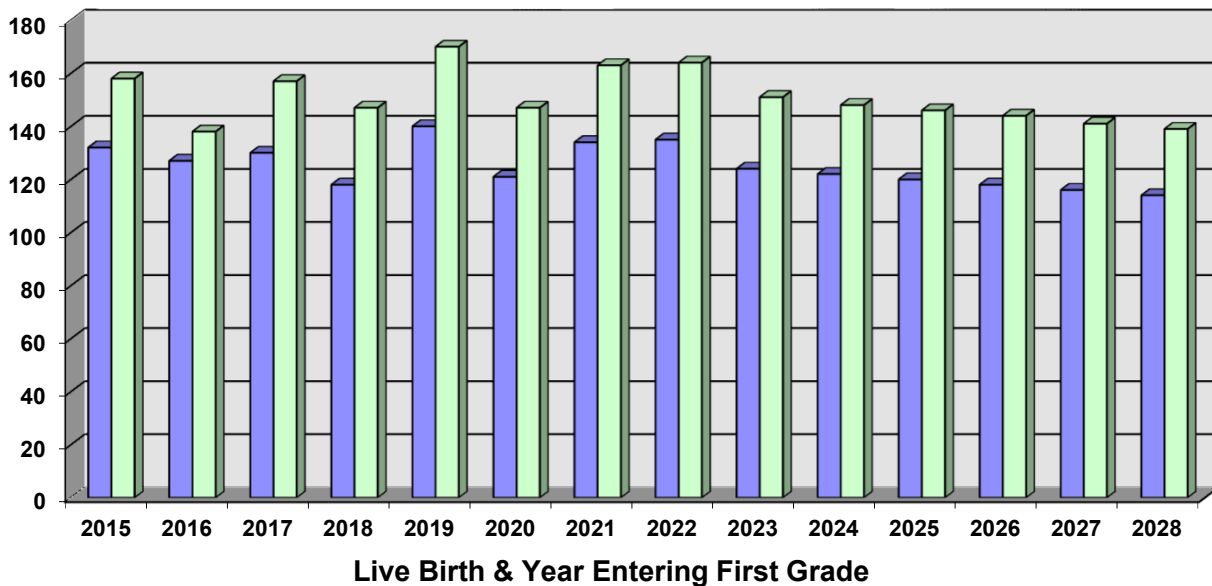


TABLE 10 & TABLE 12 - CHART B



Student Population**Existing Educational Program**

A summary of the School District's existing conditions is profiled by the Existing Educational Program data and graphic illustrations. The information includes: Existing Grade Alignment; 2019-20 Student Enrollment; District and PDE Functional Capacity; and the Highest Projected Enrollment for each grade grouping.

2004-2019 Student Enrollment

K-12 Student Enrollment - Actual: 2004 - 2019 Historical Student Enrollments. The data shows the highest enrollment for each grade structure over the past 16 years. The K-4 student enrollment has steadily increased while slightly fluctuating over the past 15 years, illustrating both increases followed by slight decreases in the K-4 student enrollment through the 2019-20 school year. The 5-8 student enrollment has illustrated both increases and decreases with an overall increase in the 5-8 student enrollment. The 9-12 student enrollment has also experienced fluctuations over the past 15 years.

Projected Student Enrollment

Method I (District-Wide Projections - 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 between 2018-19 and 2028-29.

- Projections are based on Live Birth data.
- Projections may not account for in-migration trends of students moving into the School District.
- The current 2019-20 actual enrollment for the K-4 grades is higher than the enrollment projections for 2018-19. This may indicate a trend for the enrollment projections to follow an alternate projected path.

Method II (District-Wide Projections - Kindergarten): Student Enrollment projections based upon the average of historical increase for Kindergarten students of the past five years. The data shows a projected increase in the overall School District K-12 student population between 2019-20 and 2029-30.

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

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 and II profile the District Schools for the following grade groupings: K-4 which includes the Elementary School; 5-8 which includes the Middle School; and 9-12 which includes the High School; also K-12 which includes all Schools.

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 District Capacity and PDE Total Capacity.

Building Capacity Overview

The Building Capacity Overview provides an explanation of Building Capacity and adjustments; including District Capacity and PDE Total Capacity as defined for the purpose of this study.

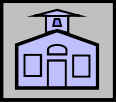


Educational Program Requirements

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

The Educational Program must be analyzed along with the resulting effects of the existing facilities' ability to meet the current and future needs of the educational program.

EXISTING EDUCATIONAL PROGRAM

Adjusted Building Capacity for Grades K-4, 5-8, 9-12, K-12

Building	Existing Grade Alignment	2019-20 Enrollment	** Capacity		Highest Projected Enrollment	
			District Functional	PDE Total	Methods I & II	Current + 10% *
 Schuylkill Valley Elementary School	K-4	791	792	975		
K-4 TOTAL		791	792	975	902 Method II	870 2019
 Schuylkill Valley Middle School	5-8	684	718	955		
5-8 TOTAL		684	718	955	786 Method II	752 2019
 Schuylkill Valley High School	9-12	636	752	967		
9-12 TOTAL		636	752	967	750 Method I	700 2019
K-12 TOTAL		2,111	2,262	2,897	2,428 Method II	2,322 2019

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

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

Table 13 -- 2004-2019 Historical 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	119	120	128	139	153	659	132	176	179	159	646	177	165	175	145	662	1967
2005-06	134	137	127	142	150	690	157	139	178	178	652	159	173	154	165	651	1993
2006-07	129	145	137	134	143	688	149	158	143	187	637	177	165	180	153	675	2000
2007-08	118	137	145	136	142	678	144	155	161	151	611	197	186	168	171	722	2011
2008-09	129	126	146	140	141	682	143	155	159	164	621	153	186	181	161	681	1984
2009-10	142	134	126	146	145	693	139	150	154	156	599	172	161	189	188	710	2002
2010-11	120	141	140	121	147	669	150	151	152	156	609	159	169	157	183	668	1946
2011-12	148	129	142	141	126	686	151	157	155	154	617	160	154	164	150	628	1931
2012-13	141	155	144	146	138	724	130	155	159	148	592	164	157	157	169	647	1963
2013-14	158	145	157	152	151	763	134	135	153	160	582	150	159	152	155	616	1961
2014-15	143	153	151	159	154	760	156	135	146	152	589	166	154	156	153	629	1978
2015-16	126	158	161	155	170	770	152	163	140	150	605	160	168	157	162	647	2022
2016-17	150	138	156	166	156	766	168	161	176	145	650	149	158	163	153	623	2039
2017-18	134	157	149	160	168	768	150	185	173	183	691	138	152	149	165	604	2063
2018-19	147	147	163	151	164	772	169	155	185	170	679	177	138	152	149	616	2067
2019-20	152	164	151	168	156	791	169	181	154	180	684	162	182	138	154	636	2111

2004-2019: The red highlighted data shows the highest enrollment for each grade structure over the past 16 years. The K-4 student enrollment has steadily increased while slightly fluctuating over the past 15 years, illustrating both increases followed by slight decreases in the K-4 student enrollment through the 2019-20 school year. The 5-8 student enrollment has illustrated both increases and decreases with an overall increase in the 5-8 student enrollment. The 9-12 student enrollment has also experienced fluctuations over the past 15 years. The 2019-20 Kindergarten enrollment is highlighted in blue.

PROJECTED STUDENT ENROLLMENT

METHOD I

Table 14 -- Method I - 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
2014-15	143	153	151	159	154	760	156	135	146	152	589	166	154	156	153	629	1978
2015-16	126	158	161	155	170	770	152	163	140	150	605	160	168	157	162	647	2022
2016-17	150	138	156	166	156	766	168	161	176	145	650	149	158	163	153	623	2039
2017-18	134	157	149	160	168	768	150	185	173	183	691	138	152	149	165	604	2063
2018-19	147	147	163	151	164	772	169	155	185	170	679	177	138	152	149	616	2067
RATIOS	1.083	1.217	1.039	1.024	1.028		0.986	1.060	1.048	1.021		0.991	1.005	0.983	1.006		
2019-20	131	170	153	167	155	776	162	179	162	189	692	169	178	136	153	636	2104
2020-21	145	147	177	157	172	798	153	172	188	165	678	187	170	175	137	669	2145
2021-22	146	163	153	181	161	804	170	162	180	192	704	164	188	167	176	695	2203
2022-23	134	164	169	157	186	810	159	180	170	184	693	190	165	185	168	708	2211
2023-24	132	151	170	173	161	787	183	168	189	174	714	182	191	162	186	721	2222
2024-25	130	148	157	174	178	787	159	194	176	193	722	172	183	188	163	706	2215
2025-26	128	146	154	161	179	768	175	168	203	180	726	191	173	180	189	733	2227
2026-27	126	144	152	158	166	746	176	185	176	207	744	178	192	170	181	721	2211
2027-28	123	141	150	156	162	732	164	186	194	180	724	205	179	189	171	744	2200
2028-29	121	139	147	154	160	721	160	174	195	198	727	178	206	176	190	750	2198

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 discernible, 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 14A compares the PDE Total Capacity for each school with the Method I, 2018-19 PDE projected enrollment information.

TABLE 14A School	District Functional Capacity	PDE Total Capacity	Student Enrollment 2018-19	5-Year Growth	Projected Student Enrollment 2023-24	10-Year Growth	Projected Student Enrollment 2028-29
Elementary School	792	975	772				
K-4 Total	792	975	772	15	787	-51	721
Middle School	718	955	679				
5-8 Total	718	955	679	35	714	48	727
High School	752	967	616				
9-12 Total	752	967	616	105	721	134	750
K-12 Total	2,262	2,897	2,067	155	2,222	131	2,198

PROJECTED STUDENT ENROLLMENT

METHOD II

Table 15 -- Method II - Projected Student Enrollment Based on Historical Data

	K	1	2	3	4	K - 4	5	6	7	8	5 - 8	9	10	11	12	9 - 12	K - 12
2015-16	126	158	161	155	170	770	152	163	140	150	605	160	168	157	162	647	2022
2016-17	150	138	156	166	156	766	168	161	176	145	650	149	158	163	153	623	2039
2017-18	134	157	149	160	168	768	150	185	173	183	691	138	152	149	165	604	2063
2018-19	147	147	163	151	164	772	169	155	185	170	679	177	138	152	149	616	2067
2019-20	152	164	151	168	156	791	169	181	154	180	684	162	182	138	154	636	2111
RATIOS		1.088	1.032	1.025	1.019		0.997	1.067	1.036	1.006		0.966	1.010	0.977	1.000		
2020-21	153	166	169	155	171	814	156	180	188	155	678	174	164	178	138	653	2146
2021-22	155	167	171	173	158	824	171	166	187	189	712	150	176	160	178	663	2199
2022-23	156	169	172	175	177	849	157	182	172	188	699	182	151	172	160	665	2213
2023-24	158	170	174	177	178	857	176	168	189	173	706	182	184	148	172	685	2247
2024-25	159	172	175	178	180	864	178	188	174	190	730	167	183	180	148	678	2272
2025-26	160	173	177	180	182	872	179	190	195	175	739	183	169	179	180	711	2322
2026-27	162	175	178	181	183	879	181	192	197	196	765	169	185	165	179	698	2343
2027-28	163	176	180	183	185	887	183	193	198	198	772	189	171	181	165	706	2365
2028-29	165	178	182	185	186	895	184	195	200	200	779	191	191	167	181	730	2404
2029-30	166	179	183	186	188	902	186	197	202	201	786	193	193	187	167	740	2428

METHOD II: Kindergarten enrollment increased by 1.5 students using the average kindergarten enrollment over the past five years. This is based upon the average of historical increase of the past five years.

Table 15A compares the PDE Total Capacity for each school with the Method II, 2019-20 projected enrollment information.

TABLE 15A School	District Functional Capacity	PDE Total Capacity	Student Enrollment 2019-20	5-Year Growth	Projected Student Enrollment 2024-25	10-Year Growth	Projected Student Enrollment 2029-30
Elementary School	792	975	791				
K-4 Total	792	975	791	73	864	111	902
Middle School	718	955	684				
5-8 Total	718	955	684	46	730	102	786
High School	752	967	636				
9-12 Total	752	967	636	42	678	104	740
K-12 Total	2,262	2,897	2,111	161	2,272	317	2,428

TABLE 16 - Projected Student Enrollment (K-4) vs. Current Building Capacity

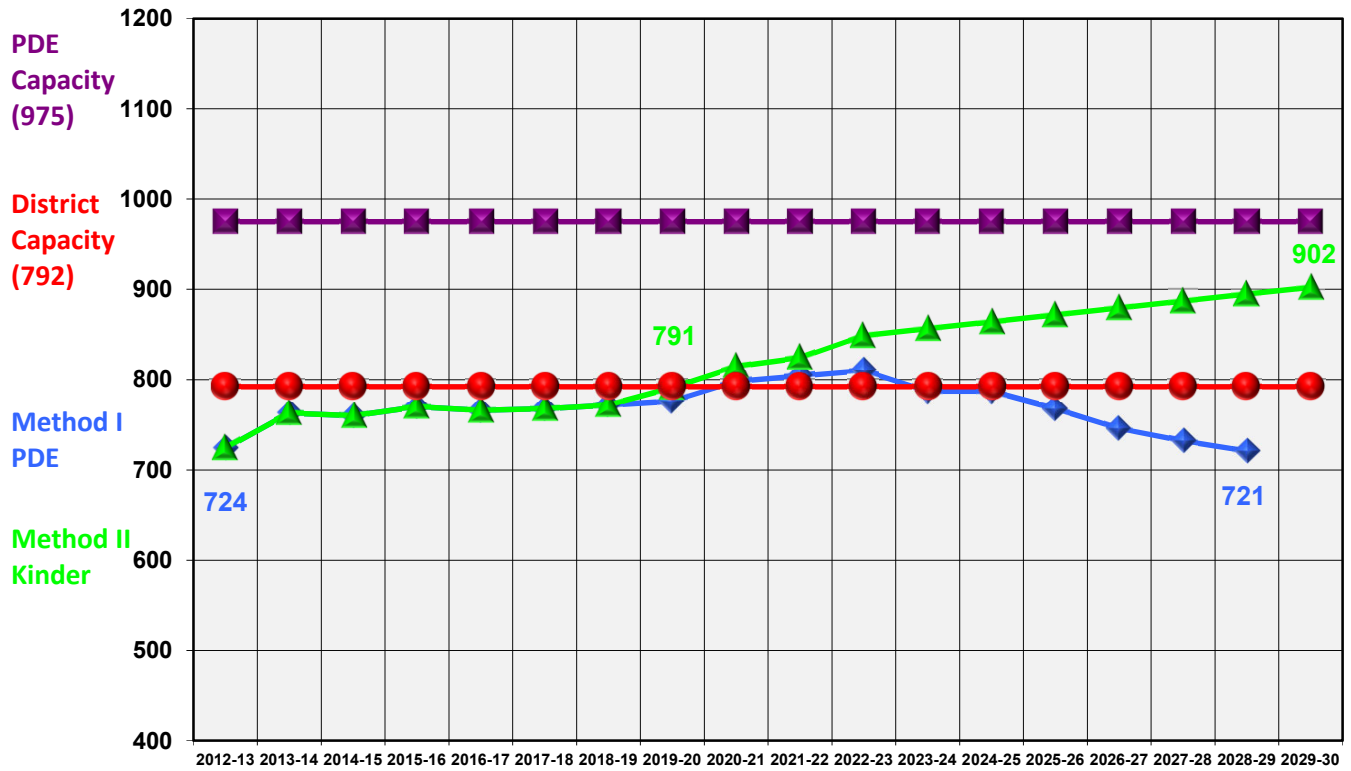


TABLE 17 - Projected Student Enrollment (5-8) vs. Adjusted Building Capacity

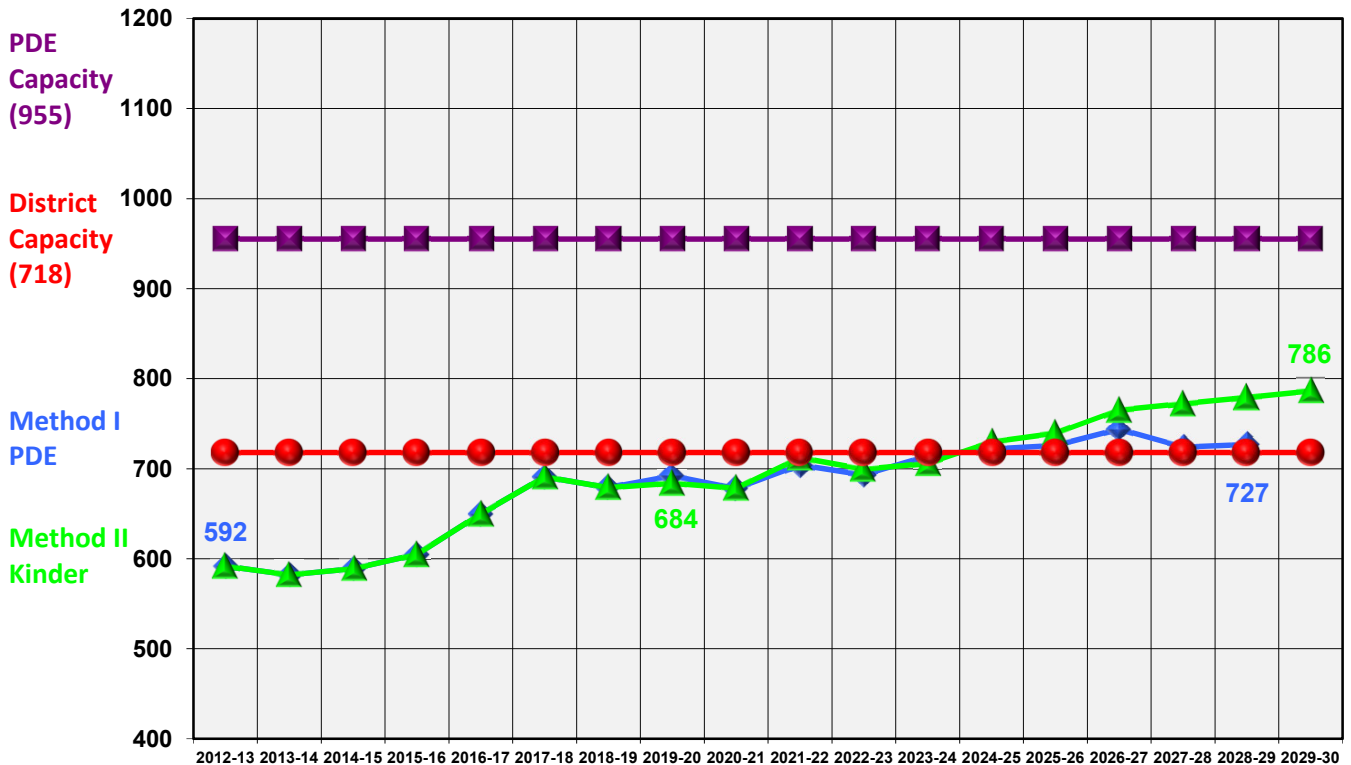


TABLE 18 - Projected Student Enrollment (9-12) vs. Current Building Capacity

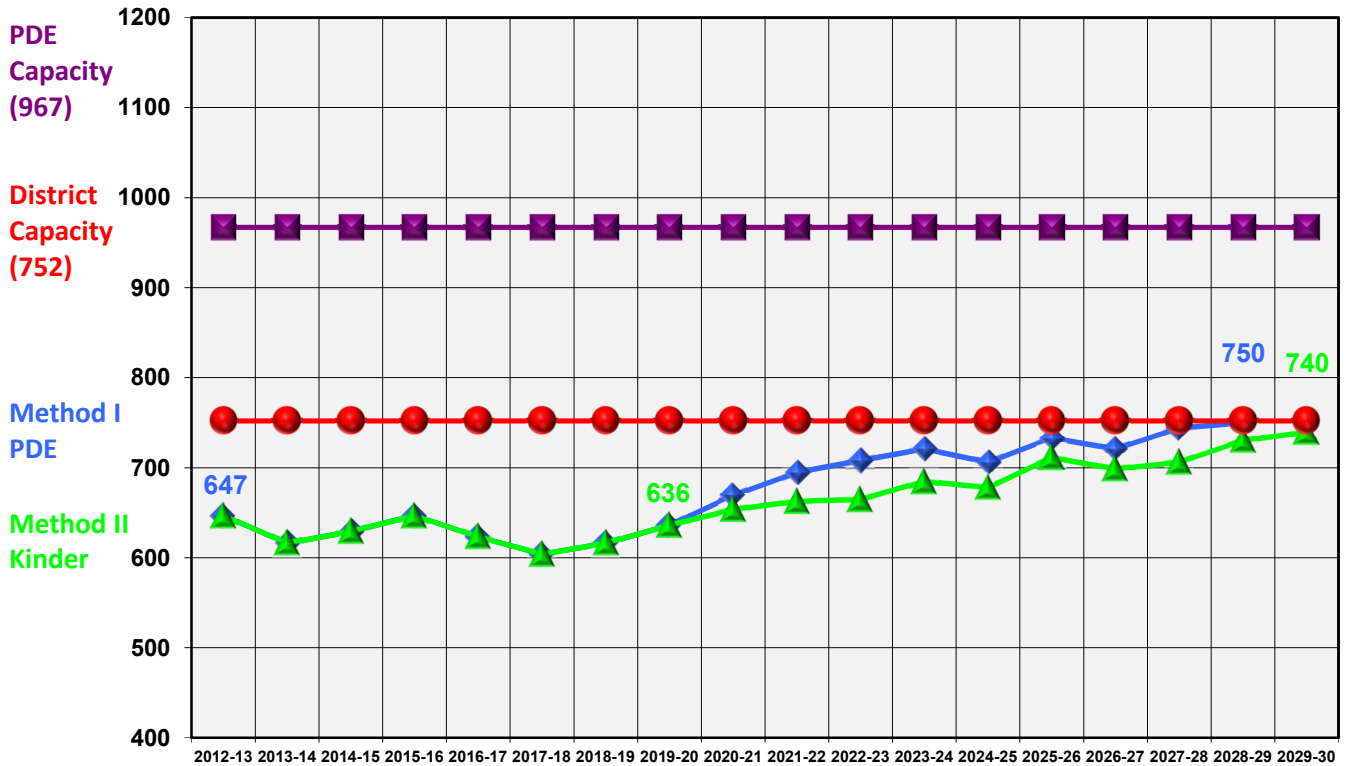
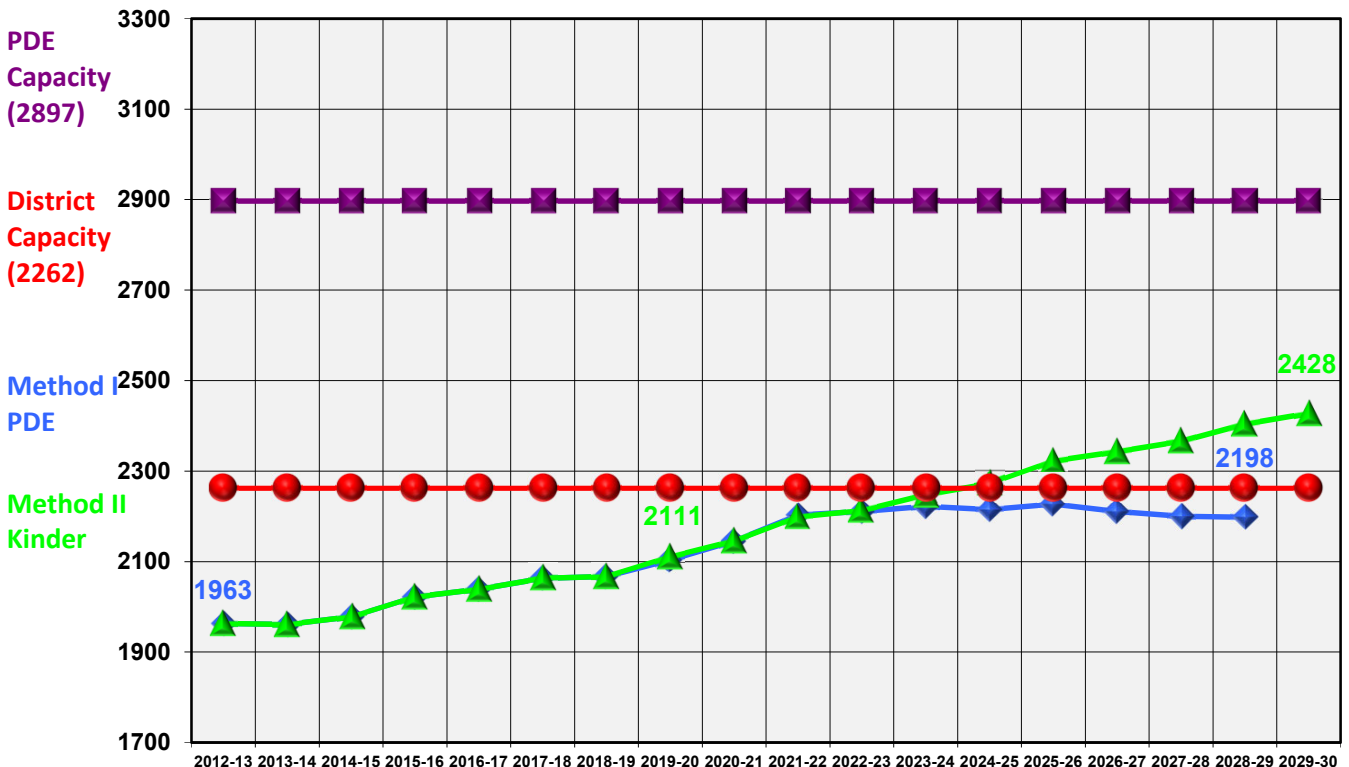


TABLE 19 - Projected Student Enrollment (K-12) vs. Adjusted Building Capacity



EXISTING BUILDING CAPACITY

K-4 E.S. & 5-8 M.S.

		K-4 Existing					5-8 Existing					
		Schuylkill Valley E.S.					Schuylkill Valley M.S.					
		No.	Area	Total	Dist.	PDE	No.	Area	Total	Dist.	PDE	
CLSRMS	Full Day Kindergarten	7	790	5530	154	175						CLSRMS
	First Grade Clsrm	8	780	6240	176	200						
	Second Grade Clsrm	7	780	5460	154	175						
	Third Grade Clsrm	7	780	5460	154	175						
	Fourth Grade Clsrm	7	780	5460	154	175						
	Fifth Grade Clsrm						5	765	3825	125	125	
	Sixth Grade Clsrm						5	765	3825	125	125	
	Seventh Grade Clsrm						6	715	4290	150	150	
Eighth Grade Clsrm						6	740	4440	150	150		
SUPPORT	Support Clsrm	3	780	2340	66	75	3	780	2340	75	75	SUPPORT
	Pre-K / Head Start Clsrm	1	780	780								
	Special Educ / Gifted Clsrm	6	765	4590			7	755	5285			
	S.E. Seminar / S.G.I.	5	360	1800			2	535	1070			
	Title 1 / I.U. Clsrm	1	780	780								
	Seminar / S.G.I. / Media						1	565	565			
	Large Group / L.G.I.	1	1395	1395			1	3050	3050			
	Student Commons / L.G.I.	1	2565	2565								
	Science Lab						1	1355	1355	20	20	
	Science Lab						3	1150	3450	60	60	
	Computer Lab						1	725	725	20	20	
	Art Classroom	1	1000	1000			1	2130	2130	20	20	
	Music / Band / Choral	1	680	680			1	745	745	25	25	
	Music / Band / Choral	2	725	1450			1	1985	1985	25	25	
	Music / Band / Choral						1	2070	2070	25	25	
	F.C.S. Lab						1	2065	2065	20	20	
	S.T.E.A.M. Lab	1	930	930			4	875	3500	80	80	
Tech Comp. / Lecture						1	2725	2725	20	20		
Tech Lab						1	1355	1355	20	20		
T.V. Studio						1	215	215				
ANCILLARY / CORE AREAS	Media Center	1	2980	2980			1	4050	4050			ANCILLARY / CORE AREAS
	Gymnasium	1	5760	5760			1	7535	7535	66	66	
	Natorium						1	6540	6540	32	32	
	Wrestling Room / Aux Gym						1	1605	1605			
	Training Room						1	1505	1505			
	Locker Room (Natatorium)						2	810	1620			
	Locker Room (Boys)	1	595	595			1	2205	2205			
	Locker Room (Girls)	1	595	595			1	1515	1515			
	Officials / P.E. Office / Coach	1	405	405			7	95	665			
	Stage / Platform	1	945	945			1	2030	2030			
	Student Dining	1	4595	4595			1	5220	5220			
	Kitchen Areas	1	4170	4170			1	2990	2990			
	Administration / Guidance	1	3205	3205			1	3135	3135			
	Health Suite	1	865	865			1	725	725			
	In-School Suspension						1	265	265			
	Faculty Dining / Workroom	1	875	875			5	375	1875			
	Faculty / I.P.C.	3	375	1125			1	85	85			
FUNCTIONAL CAPACITY		792 900					718 923					
TOTAL CAPACITY		858 975					750 955					
2019-20 ENROLLMENT		791					684					

Elementary P.D.E. Capacity: 25 students / classroom. District Capacity: 22 students

Elementary Functional Capacity includes Graded Classrooms, while the Total Capacity also includes Support Classrooms that are needed to support the educational program such as Math and Reading. Special Education and Pre-Kindergarten Capacity are not included in the Functional Capacity or Total Capacity.

The existing adjusted building capacity may have been adjusted to represent the intended or adjusted use of space.

EXISTING BUILDING CAPACITY

9-12 H.S.

		9-12 Existing					
		Schuylkill Valley H.S.					
		No.	Area	Total	Dist.	PDE	
CLSRMS	Math Clsrm	5	790	3950	125	125	CLSRMS
	Social Studies Clsrm	5	835	4175	125	125	
	English Clsrm	6	850	5100	150	150	
	Spanish Classroom (ESL)	2	1035	2070	50	50	
	German / Soc Studies Clsrm	1	815	815	25	25	
	Support Clsrm / Health	2	730	1460	50	50	
SUPPORT	Special Educ / Gifted Clsrm	6	755	4530			SUPPORT
	Alternative Ed Clsrm	1	880	880	20	20	
	Large Group / L.G.I.	1	1075	1075			
	Science Lab	8	1275	10200	160	160	
	Science Proj Room	1	430	430			
	Science Proj Room	6	215	1290			
	Greenhouse	1	1125	1125			
	Business / Accounting Lab	1	1780	1780	20	20	
	Computer Lab / Bus. Clsrm	3	895	2685	60	60	
	Art Classroom	1	1805	1805	20	20	
	Music / Keyboard	1	365	365			
	Music / Band / Choral	1	1665	1665	25	25	
	Music / Band / Choral	1	1985	1985	25	25	
	Music Practice	2	50	100			
	Music Office	1	365	365			
	F.C.S. Lab & Nutrition Lecture	3	945	2835	60	60	
	S.T.E.A.M. Lab / T.E. Lab	2	3210	6420	40	40	
	T.V. Studio	1	895	895	20	20	
ANCILLARY / CORE AREAS	Media Center	1	3815	3815			ANCILLARY / CORE AREAS
	Gymnasium	1	10190	10190	66	66	
	Wrestling Room / Aux Gym	1	4295	4295	33	33	
	Weight Room	1	3090	3090			
	Training Room	1	640	640			
	Locker Rm - Nat. / Team Rm	2	735	1470			
	Locker Room (Boys)	1	1220	1220			
	Locker Room (Girls)	1	1220	1220			
	Officials / P.E. Office / Coach	1	250	250			
	P.E. Office / Coach	3	120	360			
	Auditorium	1	7410	7410			
	Stage / Platform	1	3030	3030			
	Student Dining	1	5220	5220			
	Kitchen Areas	1	2910	2910			
	Administration / Guidance	1	3145	3145			
	Health Suite	1	900	900			
	In-School Suspension	1	355	355			
	Faculty / Workroom / Conf	3	755	2265			
Faculty / I.P.C. / Work / Office	3	350	1050				
District Admin Offices	1	5525	5525				
FUNCTIONAL CAPACITY					752	967	
TOTAL CAPACITY					752	967	
2019-20 ENROLLMENT						636	

5-8, 9-12 Secondary Grades: 20-25 students per classroom; 90% P.D.E. Utilization Factor. District: 75% Utilization Factor. Secondary Functional Capacity includes all spaces that receive capacity except a Natatorium. PDE Total Capacity includes all spaces that receive capacity including a Natatorium. Special Education Capacity is not included in the Functional Capacity or Total Capacity.

The existing adjusted building capacity may have been adjusted to represent the intended or adjusted use of space.

BUILDING CAPACITY OVERVIEW

Explanation of Building Capacity and Adjustments

To properly analyze the impact of students on the Schuylkill Valley 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 straightforward 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 instructional 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 tendency at the Elementary Level within School Districts that have multiple buildings to assign students from various regions or neighborhoods. The K-4 Elementary students are housed in an elementary facility for the Schuylkill Valley School District. The number of students; however, 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, are also provided for comparison with enrollment projections. In the case of the Schuylkill Valley School District, the District guidelines suggest 20-22 students per classroom for Kindergarten and 22-24 students per classroom for grades 1-4. K-4 District capacity is shown at 22 students per classroom for the purposes of this study.

For the purpose of this Study, Elementary *District Capacity* includes Graded Classrooms, while the *PDE Total Capacity* also includes Regular Support Classrooms that are needed to support the educational program including Math and Reading. 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 and Pre-Kindergarten Capacity are listed separately and not included in the District Capacity or PDE Total Capacity, they are 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%, a capacity utilization factor of 70% has been used for the District capacity for the Middle School and High School.

For the purposes of this study, Secondary *District Capacity* includes all spaces that receive capacity with a 70% utilization factor, while the *PDE Total Capacity* includes all spaces that receive capacity with an 90% utilization factor. While Special Education Capacity is listed separately and not included in the District Capacity or PDE Total Capacity, it is included in reimbursement calculations.

EDUCATIONAL PROGRAM REQUIREMENTS

Mission Statement

It is the mission of the Schuylkill Valley School District to provide a safe, nurturing environment in which each student is challenged to think, question, and create. With the cooperation of parents and the community, we will prepare our students to be responsible and contributing members of society.

Vision Statement

Our vision is to empower students to reach their fullest potential. We expect for them to be responsible, respectful, and caring citizens and lifelong learners.

Shared Values

We believe . . .

- in promoting a learning environment that develops responsible and productive citizens
- in a partnership of the community, home and school which enhances learning
- in promoting a healthy, safe, and nurturing environment
- in developing lifelong learning skills to prepare students for a dynamic, global society
- individuals are responsible for their learning, choice, and actions
- in challenging each student to reach his or her full potential

Gifted Programs

The Schuylkill Valley School District meets the needs of our gifted learners through a variety of programs and services. The programs and service are administrated by teachers of the gifted as well as regular education teachers and special area certifications. These include, but are not limited to:

- 1 Compacted Curriculum
- 2 Grade Level Acceleration
- 3 Subject Level Acceleration
- 4 Gifted Seminars
- 5 In-Class Enrichment
- 6 Parallel Curriculum that includes enrichment
- 7 Online Course Options
- 8 Honors Internship Opportunities
- 9 Gifted Learners Groups

EDUCATIONAL PROGRAM REQUIREMENTS

Safe and Supportive Schools

Schuylkill Valley School District employs preventative programming to discourage unacceptable behavior in each building. The district is small. Building administrators know the students in their buildings and they maintain high visibility throughout the school day and at extra-curricular events. Schuylkill Valley School District enjoys a close working relationship with the Northern Berks County Police Department. The police station is located next to the school district. Police presence/intervention is available within 5-10 minutes of a concern arising. Northern Berks Police attend regularly scheduled school safety meetings within the District. Northern Berks Police also provide support at highly attended extra-curricular events such as football games and graduation. At this time, student discipline data does not support the need for resource officers within our buildings.

Behavior Support Services

Behavior support services are a function-based approach to eliminating challenging behaviors and replacing them with pro-social skills. Proactive research-based strategies leads to the decreased need for interventions and disciplinary measures such as detention or suspension. Behavior support services are individualized and school based. School-based strategies focus exclusively on the student body as a whole with generalized reinforcers, by changing environmental variables such as physical setting, curriculum, and individualized reinforcements. The goal is for successful implementation with a wide range of students, in a wide range of contexts, with a wide range of behaviors.

Special Education

The Schuylkill Valley School District utilizes the discrepancy model to identify students with the disability category of Specific Learning Disability through a team review of significant academic skill deficits as compared to age-level peers or grade-level benchmarks, and insufficient progress in response to research/evidence-based interventions. Prior to considering district referral for eligibility determination for any disability category, the Schuylkill Valley School District reviews screening data collected on all students in the district, as well as data collected through curriculum based assessment and intervention by the Child Study Team, to assist in the determination as to whether the student is achieving adequately for his or her age. Using the child study team model professionals collaborate to determine the presence of "academic skill deficit(s)" from direct measures of learning that inform research based instruction/intervention and multiple data points collected over time.

Data collected prior to consideration of district referral for eligibility determination also assist in determining whether other factors may be contributing to, or responsible for, inadequate achievement. Factors include the possible presence of physical, mental health, behavioral, emotional, environmental, or economic difficulties, as well as the consideration that deficits in achievement may be a result of inadequate instructional practices.

EDUCATIONAL PROGRAM REQUIREMENTS

Special Education (Cont'd)

For Specific Learning Disability, upon determining that the student is not achieving adequately for the student's age or to meet grade-level standards in one or more of the following areas: oral expression, listening comprehension, written expression, basic reading skill, reading fluency skills, reading comprehension, mathematical calculation, mathematics problem solving, and upon ruling out (at least preliminarily), other contributing factors, the Schuylkill Valley School District secures consent to conduct a multidisciplinary team evaluation. The evaluation includes assessment of intellectual and academic achievement, to assist in determining whether there exists a severe discrepancy between ability and achievement, as well as between the student's age or grade level achievement. Additional assessments would also be included in order to rule out other factors that had not been ruled out during the screening and Child Study Team process. Also, in addition to any standardized assessments conducted, parent and staff input, as well as additional observation information, is collected as part of the evaluation.

The multidisciplinary team, including the parent(s), a district administrator, input providers, and a certified school psychologist, convenes a multidisciplinary team meeting following completion of the data collection process. The evaluation results are reviewed and discussed, and a determination made as to the student's eligibility for special education. The results are incorporated into an Evaluation Report, which is then disseminated to all team members. The entire process, from receipt of signed parental consent, to the dissemination of the report to the parent and team members, is completed within 60 calendar days.

*Information generated from District's Website

FACILITIES INTRODUCTION

This section of the Feasibility Study is a review of the existing Schuylkill Valley School District Facilities including: Schuylkill Valley Elementary School, Schuylkill Valley Middle School, and Schuylkill Valley High School with District Administration Offices. All facilities include general data, plans, spatial evaluation, and a general investigation.

Following each building's floor plans, which show existing space utilization, is a general investigation identifying deficiencies, recommending solutions, and furnishing estimates of probable construction costs.

This analysis is based upon visits to the buildings 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 eight major facility components: Site, Exterior, Interior, Heating/Ventilation, Plumbing, Electrical, Code Deficiencies, and Miscellaneous upgrades per building. The Facility Evaluation Criteria is outlined on the following pages.

FACILITIES SUMMARY

Schuylkill Valley School District Existing Facilities

The following information is included for each existing Facility: General Data, Exterior and Interior Building Photos, Aerial Site Views, Floor Plans, Room Schedule, Summary of Costs, and Building Improvements and Construction Costs Data.

Schuylkill Valley Elementary School



Built:	1993(B)
Eligible for State Reimb:	2013
Site Size:	110.41 acres*
Architectural Area:	112,000 s.f.
PDE Total Capacity:	975
PDE Replacement Value:	\$15,607,800
20% Rule:	\$3,121,560

Building Improvements and Construction Costs

Total Building: \$11,005,300

*Campus Site, shared with Middle School and High School

Schuylkill Valley Middle School



Built:	1974(B), 1998(A&A), 2007(A&A)
Eligible for State Reimb:	2027
Site Size:	110.41 acres*
Architectural Area:	152,000 s.f.
PDE Total Capacity:	955
PDE Replacement Value:	\$20,438,910
20% Rule:	\$4,087,782

Building Improvements and Construction Costs

Total Building: \$6,853,100

*Campus Site, shared with Elementary School and High School

FACILITIES SUMMARY

Schuylkill Valley School District Existing Facilities

Schuylkill Valley High School / DAO



Built:	1959(B), 1995(A&A), 2000(DAO, A&A), 2006 (A&A)
Eligible for State Reimb:	2026
Site Size:	110.41 acres*
Architectural Area:	182,000 s.f.**
PDE Total Capacity:	967
PDE Replacement Value:	\$20,695,734
20% Rule:	\$4,139,147

Building Improvements and Construction Costs

Total Building: \$11,544,800

*Campus Site, shared with Elementary School and Middle School

**Includes District Administration Offices

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:

- 2015 International Building Code Categories
- ASHRAE
- NFPA
- Americans with Disability Act (ADAAG 2010)
- 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 2010. 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 – Miscellaneous Provisions

Public schools are State agencies/local governmental units 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 needs 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 recently 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 recently adopted codes and be categorized under the following levels.

IEBC-SECTION 502 REPAIRS

502.1 **Scope.** *Repairs*, as defined in Chapter 2, include the patching or restoration or replacement of damaged materials, elements, *equipment or fixtures* for the purpose of maintaining such components in good or sound condition with respect to existing loads or performance requirements.

502.2 **Application.** *Repairs*, shall comply with the provisions of Chapter 6.

502.3 **Related work.** Work on nondamaged components that is necessary for the required *repair* of damaged components shall be considered part of the *repair* and shall not be subject to the provisions of Chapter 7, 8, 9, 10 or 11.

IEBC-SECTION 503 ALTERATION-LEVEL 1

503.1 **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.

503.2 **Application.** Level 1 alterations shall comply with the provisions of Chapter 7.

IEBC-SECTION 504 ALTERATION-LEVEL 2

504.1 **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.

504.2 **Application.** Level 2 alterations shall comply with the provisions of Chapter 7 for Level 1 alterations, as well as the provisions of Chapter 8.

IEBC-SECTION 505 ALTERATION-LEVEL 3

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

505.2 **Application.** Level 3 alterations shall comply with the provisions of Chapters 7 and 8 for Level 1 and 2 alterations, respectively, as well as the provisions of Chapter 9.

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.

GENERAL DATA

Schuylkill Valley Elementary School

Built:	1993(B) Eligible for 20-year State Reimbursement in 2013
Site:	62 Ashley Way, Leesport, PA 19533. 110.41 acres, located on a campus site with the Middle and High Schools in a commercial area with paved drives and parking areas, shared athletic fields, soft and hard surface play areas, and a football stadium. The paved drive way is contiguous to the Middle School. There is local vehicular traffic which surrounds the outer school campus.
Structure:	This school consists of one-story and two story wings with concrete floors; metal roof deck; load-bearing masonry walls. Construction type is non-combustible, unprotected in accordance with the International Building Code.
HVAC System:	Hot water/ chilled water system, with vertical classroom unit ventilators and AHUs in big areas. Controls are Honeywell, pneumatic.
Plumbing Service:	Municipal water and sanitary sewer combined for campus. Natural gas service.
Electrical Service:	Electric service is 2,000 Amps, 480Y/277vac, Siemens, manufactured in 1994.
Systems:	Lighting is T8 in classrooms, hallways, office area, Cafeteria, Library. HID in multi-purpose room. Emergency lighting and exit signs throughout the building. Emergency generator is Kohler, model 125R0ZJ71. Classrooms have pendant projectors. Telephones are not completely VOIP. Fire alarm system. Security access control system.
Comments:	Most HVAC equipment is reaching end of useful life.
Architectural Area:	112,000 s.f.
PDE Replacement Value:	\$15,607,800 (975 FTE x 92 sf = 89,700 x \$174 / sf = replacement cost) \$3,121,560 (20% Rule)
PDE Total Capacity:	975

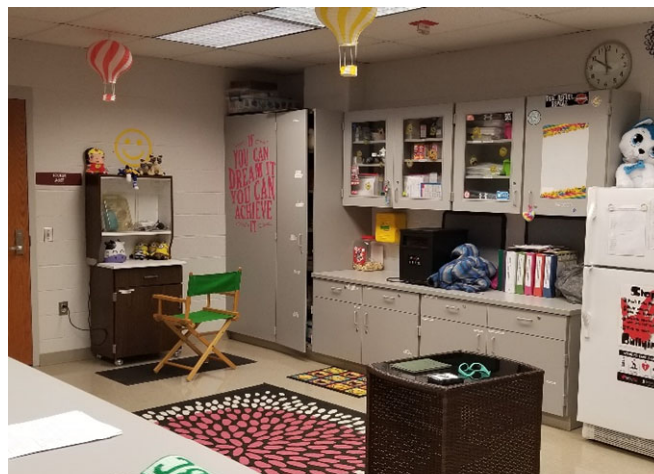
PHOTOGRAPHS

Schuylkill Valley Elementary School



PHOTOGRAPHS

Schuylkill Valley Elementary School



AERIAL VIEW

Schuylkill Valley Elementary School



EXISTING BUILDING CAPACITY

		K-4 Existing					
		Schuylkill Valley E.S.					
		No.	Area	Total	Dist.	PDE	
CLSRMS	Full Day Kindergarten	7	790	5530	154	175	CLSRMS
	First Grade Clsrm	8	780	6240	176	200	
	Second Grade Clsrm	7	780	5460	154	175	
	Third Grade Clsrm	7	780	5460	154	175	
	Fourth Grade Clsrm	7	780	5460	154	175	
SUPPORT	Support Clsrm	3	780	2340	66	75	SUPPORT
	Pre-K / Head Start Clsrm	1	780	780			
	Special Educ / Gifted Clsrm	6	765	4590			
	S.E. Seminar / S.G.I.	5	360	1800			
	Title 1 / I.U. Clsrm	1	780	780			
	Large Group / L.G.I.	1	1395	1395			
	Student Commons / L.G.I.	1	2565	2565			
	Art Classroom	1	1000	1000			
	Music / Band / Choral	1	680	680			
	Music / Band / Choral	2	725	1450			
S.T.E.A.M. Lab	1	930	930				
ANCILLARY / CORE AREAS	Media Center	1	2980	2980			ANCILLARY / CORE AREAS
	Gymnasium	1	5760	5760			
	Locker Room (Boys)	1	595	595			
	Locker Room (Girls)	1	595	595			
	Officials / P.E. Office / Coach	1	405	405			
	Stage / Platform	1	945	945			
	Student Dining	1	4595	4595			
	Kitchen Areas	1	4170	4170			
	Administration / Guidance	1	3205	3205			
	Health Suite	1	865	865			
	Faculty Dining / Workroom	1	875	875			
	Faculty / I.P.C.	3	375	1125			
FUNCTIONAL CAPACITY					792	900	
TOTAL CAPACITY					858	975	
2019-20 ENROLLMENT						791	
SCHEDULED AREA					72,575		
ARCHITECTURAL AREA					112,000		

Elementary P.D.E. Capacity: 25 students / classroom. District Capacity: 22 students

Elementary Functional Capacity includes Graded Classrooms, while the Total Capacity also includes Support Classrooms that are needed to support the educational program such as Math and Reading. Special Education and Pre-Kindergarten Capacity are not included in the Functional Capacity or Total Capacity.

The existing adjusted building capacity may have been adjusted to represent the intended or adjusted use of space.

SUMMARY BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley Elementary School

		Cost per SF
SITE EVALUATION	\$172,000.00	\$1.54 / SF
EXTERIOR EVALUATION	\$2,134,600.00	\$19.06 / SF
INTERIOR EVALUATION	\$3,432,400.00	\$30.65 / SF
HVAC EVALUATION	\$3,824,300.00	\$34.15 / SF
PLUMBING EVALUATION	\$0.00	\$0.00 / SF
ELECTRICAL EVALUATION	\$254,200.00	\$2.27 / SF
<hr/>		
SUB-TOTAL*	\$9,817,500.00	\$87.66 / SF
<hr/>		
CODE EVALUATION	\$517,800.00	\$4.62 / SF
SAFETY & SECURITY EVALUATION	\$220,000.00	\$1.96 / SF
MISCELLANEOUS UPGRADES	\$450,000.00	\$4.02 / SF
<hr/>		
BUILDING TOTAL*	\$11,005,300.00	\$98.26 / SF
<hr/>		
CODE EVALUATION - Fire Suppression System Upgrade **	\$360,000.00	\$3.21 / SF
<hr/>		
	Construction Cost	Total Project Cost
RANK 1 Sub-Total Cost (High Priority)	\$6,255,500.00	\$7,819,400.00
RANK 2 Sub-Total Cost (Medium Priority)	\$1,344,800.00	\$1,681,000.00
RANK 3 Sub-Total Cost (Low Priority)	\$2,037,300.00	\$2,546,600.00
RANK 4 Sub-Total Cost (Optional / Consideration)	\$1,367,700.00	\$1,709,600.00
RANK - TOTAL COST *	\$11,005,300.00	\$13,756,600.00
Fire Suppression System Upgrade (**TBD if needed for projects)	\$360,000.00	\$450,000.00

* 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 a desired option. Total Project Cost includes all soft costs.

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley Elementary School

ARCHITECTURAL SURVEY	Cost	Rank
A. Site Evaluation:		
1 Refer to Expanded Site Evaluation at High School Site Evaluation.	Refer to H.S.	
2 At selected areas, remove top 2" of existing macadam parking lots & paving areas. Repave top surfaces, seal, paint new parking lines, and assign H.C. accessible spaces as required.	\$160,000	4
3 Parking - Repair and remediate drainage issue near ES loading area.	\$12,000	2
Site Evaluation Sub-Total:	\$172,000	
B. Exterior of Building Evaluation:		
1 Restore existing built-up roofs to obtain renewed warranty.	\$1,139,000	1
2 Replace damaged gutter & downspouts at metal roof.	\$2,000	1
3 Exterior painting (steel posts, doors, frames, etc.).	\$3,000	3
4 Recoat standing-seam metal to obtain renewed warranty.	\$64,000	3
5 Clean and seal masonry walls above commons to prevent water infiltration.	\$4,200	1
6 Replace roof flashing surrounding commons to prevent water infiltration into walls/ceilings.	\$15,000	1
7 Spot-repoint masonry walls.	\$30,000	1
8 Replace damaged metal roof/canopy at loading dock.	\$15,000	1
9 Replace exterior hollow-metal doors & repaint frames.	\$25,000	3
10 Replace aluminum windows with new efficiency windows including slate window sills.	\$700,000	2
11 Replace exterior aluminum storefronts & glazing with new efficiency glazing.	\$130,000	2
12 Replace steel overhead garage door.	\$5,000	2
13 Replace chainlink gates @ fuel storage tank area.	\$2,400	4
Exterior of Building Evaluation Sub-Total:	\$2,134,600	

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley Elementary School

ARCHITECTURAL SURVEY	Cost	Rank
C. Interior of Building Evaluation:		
1 Repair cracks/deteriorated mortar in CMU wall surfaces.	\$10,800	1
2 Repair cracks in concrete floors.	\$3,200	1
3 Replace acoustical ceiling tile assemblies.	\$440,000	1
4 Replace VCT and cove base throughout with LVT.	\$480,000	3
5 Replace rubber treads & risers at stairs.	\$20,000	3
6 Replace Gymnasium rubber floor, including base.	\$72,000	3
7 Repaint Gymnasium ceiling, ceiling joists, and exposed ductwork.	\$24,000	3
8 Interior wall painting.	\$275,800	3
9 Repaint ceiling joists & deck in spaces without acoustical tile ceilings.	\$30,000	3
10 Clean and reseal exposed concrete floors.	\$3,000	3
11 Install acoustic panels in cafeteria.	\$31,500	4
12 Replace Gymnasium folding partition with divider curtain.	\$105,000	4
13 Install Gymnasium wall padding.	\$10,800	2
14 Replace all interior wooden doors & door hardware; repaint frames.	\$392,000	3
15 Re-grout ceramic tile restroom floors and selected walls.	\$60,000	4
16 Replace rubber floor & step risers in Stage.	\$14,400	3
17 Replace Stage rigging and curtains (LF).	\$34,000	2
18 Replace folding partition in Cafeteria.	\$61,800	4
19 Replace toilet partitions.	\$75,000	3
20 Replace P-Lam casework in classrooms & offices with wood veneer casework.	\$720,000	4
21 Replace / upgrade all chalkboards / tackboards.	\$120,000	4
22 Replace instrument storage cabinets in classrooms.	\$20,000	4
23 Replace Library and Office carpet.	\$48,000	2

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley Elementary School

ARCHITECTURAL SURVEY	Cost	Rank
C. Interior of Building Evaluation (con't):		
24 Replace Library circulation desk, and bookshelves.	\$54,000	4
25 Replace entrance floor mats.	\$7,500	3
26 New window shades.	\$35,000	2
27 Replace tall lockers in Locker Rooms & Kitchen, provide 2 H.C. benches and 2 H.C. shower seats.	\$33,000	4
28 Allowance for any architectural/structural modification to accommodate any new MEP works.	\$150,000	2
29 Replace all toilet accessories.	\$26,600	3
30 Replace Kitchen quarry floor tile.	\$75,000	3
Interior of Building Evaluation Sub-Total:	\$3,432,400	
D. Heating, Ventilation and Air Conditioning (HVAC) Evaluation:		
Refer to the following items on the Preliminary Asset Condition Assessment matrix as prepared by SitelogIQ.		
** Refer to the <i>MEP Totals</i> for cost of the following items:		
1 Upgrade existing HVAC system. **	\$3,824,300	1
HVAC Evaluation Sub-Total:	\$3,824,300	
E. Plumbing Evaluation:		
Refer to the following items on the Preliminary Asset Condition Assessment matrix as prepared by SitelogIQ.		
** Refer to the <i>MEP Totals</i> for cost of the following items:		
1 There are no apparent deficiencies. **		N.C.
Plumbing Evaluation Sub-Total:		\$0

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley Elementary School

ARCHITECTURAL SURVEY	Cost	Rank
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F. Electrical Evaluation:

Refer to the following items on the Preliminary Asset Condition Assessment matrix as prepared by SitelogIQ.

** Refer to the *MEP Totals* for cost of the following items:

1	Upgrade existing electrical & lighting system. **	\$254,200	1
Electrical Evaluation Sub-Total:		\$254,200	

G. Code Evaluation:

The IBC, 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 systems 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.

1	Reconfigure handicapped stalls in gang toilet rooms to comply with current ADA.	\$110,000	1
2	Install ADA room signage & directional signage throughout.	\$21,000	1
3	Upgrade elevator car and controls.	\$75,000	1
4	Replace/upgrade fire extinguishers.	\$10,500	1
5	Upgrade 2 faculty toilet rooms per floor to current codes.	\$72,000	1
6	Allowance for repairing/upgrading fire-rated walls to current Fire Safety codes.	\$200,000	1
7	Install small solid plastic partitions in hallways between protruding objects such as EWC.	\$10,000	1
8	Replace single drinking fountains with ADA hi-lo fountain units.	\$19,300	1
Code Evaluation Sub-Total:		\$517,800	

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley Elementary School

ARCHITECTURAL SURVEY	Cost	Rank
G. Code Evaluation (con't):		
9 The School currently does not have a fire protection system. The installation of a fire protection sprinkler system in lieu of G.6 may be considered during the next planned renovation. (Cost shown is a supplemental cost of \$360,000 added to cost of G.6 for a total cost of \$560,000 for a sprinkler system).	\$360,000	4
Code Evaluation - Fire Suppression System Upgrade Sub-Total:	\$360,000	TBD
H. Safety & Security Evaluation:		
1 Create two secure entries to facility. Total alteration of interior spaces.	\$220,000	2
Safety & Security Evaluation Total:	\$220,000	
I. Miscellaneous Upgrades:		
1 Walk-in-Cooler/Freezer are old and leaking at the door gaskets, the serving line needs replaced, and new Kitchen equip. (Scullery area equipment needs replaced.) RO system recommended for water treatment. Add Variable Frequency Drive for existing exhaust system-40% exhaust savings.	\$450,000	3
Miscellaneous Upgrades Sub-Total:	\$450,000	
Building Evaluation Total:	\$11,005,300	
Code Evaluation - Fire Suppression System Upgrade Sub-Total:	\$360,000	
J. Alterations & Additions		
1 Refer to Options.	See Options	
Alterations & Additions Sub-Total:	\$0	

Schuylkill Valley Elementary School		Equipment Age and Life Expectancy				Preliminary Asset Condition Assessment			Current Concerns/Problems								
System	System Detail	Average Life Expectancy	Actual Age of Equipment	% Life Expectancy Used	Approx. Remaining life	Asset Condition	Asset Condition Description	Priority	Energy/Water Efficiency	Ventilation/IAQ	Temperature Level/Control	Humidity Control	Light Levels	Recent/Impending Failure	Code Compliance	Difficult to Maintain	Additional Notes
Heating Hot Water Generation	(2) Burnham fire-tube boilers, 5,021 MBH Output Capacity.	25	25	100%	0	Alert	Equipment past useful life and due for replacement	2	●	●			●				
Chilled Water Generation	(1) Trane air-cooled chiller, RTAC 240ton, R134A.	20	25	125%	(5)	Alert	Equipment past useful life and due for replacement	1	●	●	●		●				
Dual Temperature Water Distribution	(2) Base mounted centrif. pumps	20	25	125%	(5)	Alert	Equipment past useful life and due for replacement	1	●					●			
Air Handling Units	AHUs 1 through 10. CHW/HW coil serving big spaces such as cafeteria, multi purpose room, offices, commons, etc. A total of 11 units.	20	25	125%	(5)	Alert	Equipment past useful life and due for replacement	1	●	●	●		●				
Terminal Air Units	2-pipe unit ventilators	25	25	100%	0	Alert	Equipment past useful life and due for replacement, poor humidity control	2		●	●	●		●			Two pipe system doesn't allow for proper humidity control.
	2-pipe fancoil units.	25	25	100%	0	Alert	Equipment past useful life and due for replacement, poor humidity control	2		●	●	●		●			Two pipe system doesn't allow for proper humidity control.
	Cabinet unit heaters	20	25	125%	(5)	Alert	Equipment past useful life and due for replacement	1			●			●			
	Electric duct heaters	15	25	167%	(10)	Alert	Equipment past useful life and due for replacement	1			●			●			
Automated Temperature Controls	Honeywell, pneumatic & DDC	18	25	139%	(7)	Alert	Equipment past useful life and due for replacement	1	●	●	●	●	●	●	●		
Kitchen refrigeration units	Units are manufactured by Penn, with floors.	20	25	125%	(5)	Alert	Equipment past useful life and due for replacement. In need of replacement if using R-22.	1	●							●	
Kitchen Make-up unit	AHU-7, heating only.	25	25	100%	0	Alert	Equipment past useful life and due for replacement	2		●	●			●			
Domestic Plumbing Fixtures	Toilets, urinals and sinks	25	25	100%	0	Alert	China in good condition, w/ push on valves. Should be upgraded to low-flow.	2	●					●	●		ADA compliance
	Water fountains	20	25	125%	(5)	Alert	In need of replacement if using R-22	1						●	●		ADA compliance
	Classroom sinks and faucets	25	25	100%	0	Alert	Equipment generally in good condition, but not ADA compliant.	2	●					●	●		ADA compliance
Domestic Water Heating	(2) Lochinvar Armon condensing heaters, model AWN286PM. 285,000 BTU/hr capacity; coupled to a storage tank.	15	8	53%	7	Acceptable	Equipment generally in good condition	3	●								
Electrical Service	Siemens Switchgear-2,000A	30	25	83%	5	Caution	Equipment almost at end of useful life and should be considered for replacement	3									
Electrical Distribution	Secondary electrical panels - Siemens	30	25	83%	5	Caution	Equipment almost at end of useful life and should be considered for replacement	3									
Emergency power	Kohler Generator 1973	30	25	83%	5	Caution	Equipment almost at end of useful life and should be considered for replacement	3							●		
Lighting - Interior	Vast majority of school uses T8/T5/T12 fluorescent fixtures lamps.	20	25	125%	(5)	Alert	Equipment at end of useful life and due for replacement. Consider LED technology	1	●				●	●			Some lighting levels exceed recommended levels in instructional areas
	Multipurpose area uses HID lamps	25	25	100%	0	Alert	Equipment at end of useful life and due for replacement. Consider LED technology	2	●				●	●			
Lighting - Exterior	Pole lighting - HID	25	25	100%	0	Alert	Equipment at end of useful life and due for replacement. Consider LED technology	2	●				●	●	●		
	Wall packs and canopies - HID	20	25	125%	(5)	Alert	Equipment at end of useful life and due for replacement. Consider LED technology	1	●				●	●	●		
Lighting Controls	Multiple lighting switches in instructional areas.	20	25	125%	(5)	Alert	Installation of occupancy sensors and daylight-responsive controls are code required for new buildings.	1	●					●			
Emergency & Egress Lighting	Emergency lighting throughout bldg.	25	25	100%	0	Alert	Replacement with LED fixtures with integral fusing. Not code compliant.	2	●					●	●	●	
Low-voltage Systems	Phone/ Data/ Intercom/Clock Systems. Not completely VOIP.	25	25	100%	0	Alert	Review system functionality with District. Review wireless coverage with District	2	●					●			
	Fire Alarm System: CSI	25	25	100%	0	Alert		2						●	●		
	Security System	25	25	100%	0	Alert	Review functionality and deficiencies of security system with District	2						●	●		
	Access Control System, fobs and cards.	25	4	16%	21	Acceptable	Equipment generally in good condition	2							●		

Building Size Sq.Ft. 130,000 542

EquipmManufacturer	Model	Qty	Capacity	Units	VFD? %	Units	Built	Other
Boiler Burnham	3w-150-50-go-suj	2	6276/5021	MBH	na	0.80	%	1994 fire-tube boilers
ChillerTrane	RTAC240	1	240	TONS	na			1994 Screws
Pumps Bell & Gossett	1510		25	HP				1994 750 GPM, 90 FT
Pumps Magnelek, Century			5	HP		91.7	%	1994
Pumps Magnelek, Century			5	HP		87.5	%	1994
Pumps Teco, Westinghouse			7.5	HP		91	%	1994
Pumps Marathon			7.5	HP		91	%	1994
DWH Lochinvar, Armor	AWN286PM	2	285,000	BTUHR	na			2 newer

New condensing boilers

	Total building load	If two boil
15 BTU/sqft	#####	2,119,565 #####
20 BTU/sqft	#####	2,826,087 #####
(1) 3,000 MBT condensing boiler		
turnkey installation - contractor cost		
Chiller \$ 271,000		
turnkey installation - contractor cost		

Air Systems

EquipmManufacturer, servi	Qty	CFM	OA CFM	Cooling MBH	Heating MBH	Year	Notes	\$/CFM	Unitary Price
AHU-1 Trane, Office	1	750	113	25.3	11.3	1994	Electric duct heaters	\$ 25.00	\$ 18,750
AHU-2 Trane, Office	1	1,200	235	41.2	22	1994	Electric duct heaters	\$ 20.00	\$ 24,000
AHU-3 Trane, Commons	1	3,410	1,125	130.4	111	1994		\$ 20.00	\$ 68,200
AHU-4 Trane, Library	1	4,800	1,200	177	164.5	1994		\$ 20.00	\$ 96,000
AHU-5 Trane, LGI	1	1,876	1,050	76.3	88.9	1994		\$ 20.00	\$ 37,520
AHU-6 Trane, Commons 2nd	1	3,410	1,125	140.3	135.8	1994		\$ 20.00	\$ 68,200
AHU-7 Trane, Kitchen, mak	1	6,400	6,400	0	290.3	1994		\$ 20.00	\$ 128,000
AHU-8 Trane, Multipurpose room	2	5,325	1,775	0	185	1994		\$ 20.00	\$ 106,500
AHU-9 Trane, Cafeteria	2	5,545	1,650	235.7	153	1994	Electric duct heaters	\$ 20.00	\$ 110,900
AHU-10 Trane, Stage	1	1,200	375	40.6	49.5	1994		\$ 20.00	\$ 24,000
UV-1	1	1,000	375	36.4	44.4	1994	Ceiling mounted		\$ 18,000
UV-2	1	1,250	375	54	40.6	1994	Ceiling mounted		\$ 18,000
UV-3	1	1,250	450	52.3	45.7	1994	Ceiling mounted		\$ 18,000
UV-4	1	750	300	30	33	1994	Floor mounted		\$ 18,000
UV-5	48	1,000	375	36.4	45.8	1994	Floor mounted		\$ 18,000
UV-6	1	1,000	120	29.2	26.8	1994	Floor mounted		\$ 18,000
UV-7	1	1,000	225	36.9	33.4	1994	Floor mounted		\$ 18,000
UV-8	1	750	225	28.1	22	1994	Floor mounted		\$ 18,000
UV-9	2	1,250	600	56.2	27	1994	Floor mounted		\$ 18,000
UV-10	2	1,000	1,000	0	75.6	1994	Floor mounted		\$ 18,000
UV-11	1	1,500	1,500	70	137	1994	Floor mounted		\$ 18,000
FC-1	2	450	225	23.2	17	1994	Ceiling mounted		\$ 10,000
FC-2	3	400	133	12.3	13.8	1994	Ceiling mounted		\$ 10,000
FC-3	1	400	133	11.9	34.7	1994	Ceiling mounted		\$ 10,000
FC-4	3	475	133	17.4	40	1994	Ceiling mounted		\$ 10,000
FC-5	1	475	225	20.3	23.5	1994	Ceiling mounted		\$ 10,000
FC-6	1	200	50	5.9	5.9	1994	Ceiling mounted		\$ 10,000
FC-7	1	200	50	7	5.4	1994	Ceiling mounted		\$ 10,000
FC-8	1	230	-	8.2	2.6	1994	Ceiling mounted		\$ 10,000
FC-9	1	145	50	6.6	4.1	1994	Ceiling mounted		\$ 10,000
FC-10	3	320	-	11.1	2.4	1994	Ceiling mounted		\$ 10,000
FC-11	1	200	50	6.75	14.9	1994	Ceiling mounted		\$ 10,000
FC-12	1	145	-	5.87	4.57	1994	Ceiling mounted		\$ 10,000
CUH-1	1	260	-	0	16.5	1994			\$ 3,500
CUH-2	5	200	-	0	16.9	1994			\$ 3,500
CUH-3	3	475	-	0	30.8	1994			\$ 3,500
CUH-4	2	200	-	0	10.9	1994			\$ 3,500
HUH-1	1	543	-	0	11	1994			\$ 3,500
HUH-2	1	1,760	-	0	42.5	1994			\$ 3,500
HUH-3	1	815	-	0	17.3	1994			\$ 3,500
Totals	105	118,469	45,049	3,540	4,920			Total Cost	\$ 2,218,470

not found on drawings

Controls \$ 504,000

controls	5-6	\$/sqft	Boilers \$	186,000
			Chiller \$	271,000
			Air side Equip. \$	2,218,470
			Controls \$	650,000
Total Building Mech. Reno				\$ 3,325,470
EI ready number				\$ 3,824,291
			Lighting \$	221,000
			EI Ready	\$ 254,150

29.42

GENERAL DATA

Schuylkill Valley Middle School

Built:	1974(B), 1998(A&A), 2007(A&A) Eligible for 20-year State Reimbursement in 2027
Site:	114 Ontelaunee Dr., Leesport, PA 19533. 110.41 acres, located on a campus site with the Elementary and High Schools in a commercial area with paved drives, parking areas, shared athletic fields, and a football stadium. The paved driveway is contiguous to the Elementary School. There is local vehicular traffic which surrounds the outer school campus.
Structure:	The Middle School is a two-story building with concrete floors; metal roof deck; load-bearing masonry walls. Construction type is non-combustible, unprotected in the original wings, and protected with sprinkler system in the 2007 classroom wing.
HVAC System:	Water source heat pump system. DX cooling, and HW heating. Dedicated outside air heat recovery units.
Plumbing Service:	Municipal water and sanitary sewer combined for campus. Natural gas service.
Electrical Service:	Electric service is 1,600 Amps, 480Y/277vac, General Electric, manufactured in 1998.
Systems:	Lighting is T8 in classrooms, hallways, office area, Library. Gymnasium, Pool and Cafeteria have HID fixtures. Emergency lighting and exit signs throughout the building. Emergency generators are Cummins, manufactured in 1998 and 2008. Classrooms have pendant projectors. Telephones are not completely VOIP. Fire alarm system is Simplex. Partially sprinklered building. Security access control system and CCTV cameras in exterior of the building.
Architectural Area:	152,000 s.f.
PDE Replacement Value:	\$20,438,910 (955 FTE x 123 sf = 117,465 x \$174 / sf = replacement cost) \$4,087,782 (20% Rule)
PDE Total Capacity:	955

PHOTOGRAPHS

Schuylkill Valley Middle School



PHOTOGRAPHS

Schuylkill Valley Middle School



AERIAL VIEW

Schuylkill Valley Middle School



EXISTING FLOOR PLANS

Schuylkill Valley Middle School



FIRST FLOOR



SECOND FLOOR

EXISTING BUILDING CAPACITY

		5-8 Existing					
		Schuylkill Valley M.S.					
		No.	Area	Total	Dist.	PDE	
CLSRMS	Fifth Grade Clsrm	5	765	3825	125	125	CLSRMS
	Sixth Grade Clsrm	5	765	3825	125	125	
	Seventh Grade Clsrm	6	715	4290	150	150	
	Eighth Grade Clsrm	6	740	4440	150	150	
SUPPORT	Support Clsrm	3	780	2340	75	75	SUPPORT
	Special Educ / Gifted Clsrm	7	755	5285			
	S.E. Seminar / S.G.I.	2	535	1070			
	Seminar / S.G.I. / Media	1	565	565			
	Large Group / L.G.I.	1	3050	3050			
	Science Lab	1	1355	1355	20	20	
	Science Lab	3	1150	3450	60	60	
	Science Proj Room	4	240	960			
	Computer Lab	1	725	725	20	20	
	Art Classroom	1	2130	2130	20	20	
	Music / Band / Choral	1	745	745	25	25	
	Music / Band / Choral	1	1985	1985	25	25	
	Music / Band / Choral	1	2070	2070	25	25	
	F.C.S. Lab	1	2065	2065	20	20	
	S.T.E.A.M. Lab	4	875	3500	80	80	
	Tech Comp. / Lecture	1	2725	2725	20	20	
	Tech Lab	1	1355	1355	20	20	
T.V. Studio	1	215	215				
ANCILLARY / CORE AREAS	Media Center	1	4050	4050			ANCILLARY / CORE AREAS
	Gymnasium	1	7535	7535	66	66	
	Natatorium	1	6540	6540	32	32	
	Wrestling Room / Aux Gym	1	1605	1605			
	Training Room	1	1505	1505			
	Locker Room (Natatorium)	2	810	1620			
	Locker Room (Boys)	1	2205	2205			
	Locker Room (Girls)	1	1515	1515			
	Officials / P.E. Office / Coach	7	95	665			
	Stage / Platform	1	2030	2030			
	Student Dining	1	5220	5220			
	Kitchen Areas	1	2990	2990			
	Administration / Guidance	1	3135	3135			
	Health Suite	1	725	725			
	In-School Suspension	1	265	265			
	Faculty Dining / Workroom	5	375	1875			
Faculty / I.P.C.	1	85	85				
FUNCTIONAL CAPACITY					718	923	
TOTAL CAPACITY					750	955	
2019-20 ENROLLMENT						684	
SCHEDULED AREA					95,535		
ARCHITECTURAL AREA					152,000		

5-8 Secondary Grades: 20-25 students per classroom; 90% P.D.E. Utilization Factor. District: 70% Utilization Factor.

Secondary Functional Capacity includes all spaces that receive capacity except a Natatorium. PDE Total Capacity includes all spaces that receive capacity including a Natatorium. Special Education Capacity is not included in the Functional Capacity or Total Capacity.

The existing adjusted building capacity may have been adjusted to represent the intended or adjusted use of space.

SUMMARY BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley Middle School

		Cost per SF
SITE EVALUATION	\$218,800.00	\$1.44 / SF
EXTERIOR EVALUATION	\$1,663,700.00	\$10.95 / SF
INTERIOR EVALUATION	\$343,800.00	\$2.26 / SF
HVAC EVALUATION	\$3,643,400.00	\$23.97 / SF
PLUMBING EVALUATION	\$0.00	\$0.00 / SF
ELECTRICAL EVALUATION	\$332,400.00	\$2.19 / SF
<hr/>		
SUB-TOTAL*	\$6,202,100.00	\$40.80 / SF
<hr/>		
CODE EVALUATION	\$327,000.00	\$2.15 / SF
SAFETY & SECURITY EVALUATION	\$0.00	\$0.00 / SF
MISCELLANEOUS UPGRADES	\$324,000.00	\$2.13 / SF
<hr/>		
BUILDING TOTAL*	\$6,853,100.00	\$45.09 / SF
<hr/>		
CODE EVALUATION - Fire Suppression System Upgrade **	\$230,000.00	\$1.51 / SF
<hr/>		
	Construction Cost	Total Project Cost
RANK 1 Sub-Total Cost (High Priority)	\$4,360,000.00	\$5,450,000.00
RANK 2 Sub-Total Cost (Medium Priority)	\$1,856,500.00	\$2,320,600.00
RANK 3 Sub-Total Cost (Low Priority)	\$0.00	\$0.00
RANK 4 Sub-Total Cost (Optional / Consideration)	\$636,600.00	\$795,800.00
RANK - TOTAL COST *	\$6,853,100.00	\$8,566,400.00
Fire Suppression System Upgrade (**TBD if needed for projects)	\$230,000.00	\$287,500.00

* 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 a desired option. Total Project Cost includes all soft costs.

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley Middle School

ARCHITECTURAL SURVEY	Cost	Rank
A. Site Evaluation:		
1 Refer to expanded Campus Site Evaluation at High School Site Evaluation for overall Campus site improvements as well as Stadium and Athletic Fields.	Refer to H.S.	
2 At selected areas, remove top 2" of existing macadam parking lots & paving areas. Repave top surfaces, seal, paint new parking lines, and assign H.C. accessible spaces as required.	\$160,000	4
3 Parking - Add curbing to MS east lot and access drives.	\$58,800	4
Site Evaluation Sub-Total:	\$218,800	
B. Exterior of Building Evaluation:		
1 Exterior masonry restoration (repair, repoint, and replace joints).	\$57,200	1
2 Restore existing built-up roofs to obtain renewed warranty.	\$1,606,500	2
Exterior of Building Evaluation Sub-Total:	\$1,663,700	
C. Interior of Building Evaluation:		
1 Allowance for any architectural/structural modification to accommodate any new MEP works.	\$250,000	2
2 Replace Gymnasium sport floor.	\$93,800	4
Interior of Building Evaluation Sub-Total:	\$343,800	
D. Heating, Ventilation and Air Conditioning (HVAC) Evaluation:		
Refer to the following items on the Preliminary Asset Condition Assessment matrix as prepared by SitelogIQ.		
** Refer to the <i>MEP Totals</i> for cost of the following items:		
1 Upgrade existing HVAC system. **	\$3,643,400	1
HVAC Evaluation Sub-Total:	\$3,643,400	

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley Middle School

ARCHITECTURAL SURVEY	Cost	Rank
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E. Plumbing Evaluation:

Refer to the following items on the Preliminary Asset Condition Assessment matrix as prepared by SitelogIQ.

** Refer to the *MEP Totals* for cost of the following items:

1	There are no apparent deficiencies. **	N.C.	
Plumbing Evaluation Sub-Total:		\$0	

F. Electrical Evaluation:

Refer to the following items on the Preliminary Asset Condition Assessment matrix as prepared by SitelogIQ.

** Refer to the *MEP Totals* for cost of the following items:

1	Upgrade existing electrical & lighting system. **	\$332,400	1
Electrical Evaluation Sub-Total:		\$332,400	

G. Code Evaluation:

The IBC, 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 systems 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.

1	Allowance for repairing/upgrading fire-rated walls to current Fire Safety codes.	\$300,000	1
2	Install 18" vertical grab bars in existing H.C. toilet rooms/stalls and H.C. stalls to meet current building code.	\$5,000	1
3	Replace single drinking fountains with ADA hi-lo fountain units.	\$22,000	1
Code Evaluation Sub-Total:		\$327,000	

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley Middle School

ARCHITECTURAL SURVEY	Cost	Rank
G. Code Evaluation (con't)		
4 The School currently does not have a fire protection system for all parts of the facility. The installation of a complete fire protection sprinkler system in lieu of G.1 may be considered during the next planned renovation. (Cost shown is a supplemental cost of \$230,000 added to cost of G.1 for a total cost of \$530,000 for a sprinkler system).	\$230,000	4
Code Evaluation - Fire Suppression System Upgrade Sub-Total:	\$230,000	TBD
H. Safety & Security Evaluation:		
1 There are no apparent deficiencies.	N.C.	
Safety & Security Evaluation Sub-Total:	\$0	
I. Miscellaneous Upgrades:		
1 New Kitchen equip. (Scullery area equipment needs replaced.) RO system recommended for new high temp. Dish machine needs replaced. Add Variable Frequency Drive for existing exhaust system-40% exhaust savings.	\$200,000	4
2 Install acoustic treatment (spray foam insulation) Cafeteria ceiling.	\$54,000	4
3 Install acoustic wall panels in Gymnasium.	\$70,000	4
Miscellaneous Upgrades Sub-Total:	\$324,000	
Building Evaluation Total:	\$6,853,100	
Code Evaluation - Fire Suppression System Upgrade Sub-Total:	\$230,000	
J. Alterations & Additions		
1 Refer to Options.	See Options	
Alterations & Additions Sub-Total:	\$0	

Schuylkill Valley Middle School			Equipment Age and Life Expectancy				Preliminary Asset Condition Assessment				Current Concerns/Problems							
System	System Detail	Area(s) Served	Average Life Expectancy	Actual Age of Equipment	% Life Expectancy Used	Approx. Remaining life	Asset Condition	Asset Condition Description	Priority	Energy/Water Efficiency	Ventilation/IAQ	Temperature Level/Control	Humidity Control	Light Levels	Recent/Impending Failure	Code Compliance	Difficult to Maintain	Additional Notes
Heating Hot Water Generation	(2) Bryan water tube double fuel 1998	Original building	24	21	88%	3	Caution	Equipment almost at end of useful life and should be considered for replacement		●	●							
	(2) Bryan water tube double fuel 2008	2007 addition	24	11	46%	13	Acceptable	Equipment generally in good condition		●	●							
Heating Hot Water Distribution	(2) Base mounted centrif. Pumps 20HP	Original building	20	21	105%	(1)	Alert	Equipment at end of useful life and due for replacement		●	●				●			
	(2) Base mounted centrif. Pumps 5HP VFD	2007 addition	20	11	55%	9	Acceptable	Equipment generally in good condition		●	●							
Cooling Tower	(1) BAC model F1461-Q, 20 HP fan motors	Original building	20	21	105%	(1)	Alert	Equipment at end of useful life and due for replacement		●	●				●	●		
Heat Pump Loop	(2) Base mounted centrif. Dist. 25HP VFD	Original building	20	21	105%	(1)	Alert	Equipment at end of useful life and due for replacement		●	●				●			
Heat Recovery Units (HRU)	(2) Heat Recovery Units	Original building	15	21	140%	(6)	Alert	Equipment at end of useful life and due for replacement		●	●	●	●		●			
	ERV to treat fresh air.	2007 addition	15	11	73%	4	Acceptable	Equipment generally in good condition		●	●	●	●					
Air Handler Units	Heating only (2) AHU2 lockers, (1) AHU5 pool locker.	Original building	25	21	84%	4	Caution	Equipment almost at end of useful life and should be considered for replacement		●	●							
	DX cooling, HW heating: (2) AHU1 Gym, AHU3 platform, AHU4 office.	Original building	15	21	140%	(6)	Alert	Equipment at end of useful life and due for replacement		●	●	●	●		●			
Rooftop Units coupled with Energy Recovery Ventilators.	RTU1 & 2 section B 1st and 2nd floor. RTU3 LGI, RTU4 section C 2nd floor, RTU5 Cafeteria, RTU6 kitchen.	2007 addition	15	11	73%	4	Acceptable	Equipment generally in good condition		●	●	●	●					
Terminal Air Units	Water source heat pumps	Original building	19	21	111%	(2)	Alert	Equipment at end of useful life and due for replacement		●	●	●	●		●			
Automated Temperature Controls	Honeywell - pneumatic with DDC overlap	Original building	18	21	117%	(3)	Alert	Equipment at end of useful life and due for replacement		●	●	●	●		●	●		
Kitchen refrigeration units	Both units are Thermo-Kool, 4 fans for the walk-in freezer, and two for the walk-in cooler.	2007 addition	15	11	73%	4	Acceptable	In need of replacement if using R-22		●	●							
Kitchen Make-up unit	RTU-6 see above	2007 addition	15	11	73%	4	Acceptable	Equipment generally in good condition		●	●							
Domestic Plumbing Fixtures	Toilets, urinals and sinks	Entire Building	25	21	84%	4	Caution	China in good condition, with push on valves in older section of the building and automated flush valves in the addition.		●						●	●	ADA Compliance
	Water fountains	Entire Building	20	1	5%	19	Acceptable	In need of replacement if using R-22		●						●	●	ADA Compliance
	Classroom sinks and faucets	Entire Building	25	21	84%	4	Caution	Only in specialty classrooms (labs). Typically in good condition, not ADA compliant.		●						●	●	
Domestic Water Heating	(3) A.O. Smith, model BTH400A100, NG	Entire Building	25	10	40%	15	Acceptable	Equipment generally in good condition		●								
Electrical Service	GE Switchgear-1,600A and 1,200A.	Entire Building	30	21	70%	9	Acceptable	Equipment generally in good condition										
Electrical Distribution	GE Switchgear	Entire Building	30	21	70%	9	Acceptable	Equipment generally in good condition										
Emergency power	Cummins with Ford engine model LSG 8751-6005A,	Original building	30	21	70%	9	Acceptable	Equipment generally in good condition								●		
	Cummins, model GGFD-5936053	2007 addition	30	11	37%	19	Acceptable	Equipment generally in good condition								●		
Lighting - Interior	T8-32W Lamps/CFL fluorescent fixtures		20	21	105%	(1)	Alert	Lamps have passed their expected life; consider LED technology for upgrades.		●				●	●			Some lighting levels exceed recommended levels in instructional areas
	Cafeteria, pool, gymnasium etc. currently have HID fixtures		20	21	105%	(1)	Alert	Lamps have passed their expected life; consider LED technology for upgrades.		●				●	●			
	There are no occupancy sensors in interior areas for lighting control.									●								
Lighting - Exterior	Pole lighting - HID	Exterior	20	21	105%	(1)	Alert	Lamps have passed their expected life; consider LED technology for upgrades.		●				●	●	●		
	Wall packs and canopies - HPS or MH	Exterior	20	21	105%	(1)	Alert	Lamps have passed their expected life; consider LED technology for upgrades.		●				●	●	●		
Lighting Controls	Lighting control panels for corridors, common areas and exterior.		25	21	84%	4	Caution	Installation of occupancy sensors and daylight-responsive controls are code required for new buildings.		●								
Emergency & Egress Lighting	Emergency lighting throughout bldg.		25	21	84%	4	Caution	Replacement with LED fixtures with integral fusing. Not code compliant.		●						●		
Low-voltage Systems	Phone/ Data/ Intercom/Clock Systems. Not completely VOIP.		25	11	44%	14	Acceptable	Review system functionality with District. Review wireless coverage with District		●								
Low-voltage Systems	Fire Alarm System: Simplex		25	11	44%	14	Acceptable	Equipment generally in good condition								●		
	Security System		25	11	44%	14	Acceptable	Review functionality and deficiencies of security system with District								●		
	Access Control System, fobs and cards.		25	11	44%	14	Acceptable	Equipment generally in good condition								●		

Building size Sqft.

170,000

20 3,400,000

Tag	Qty	Manufacturer Model	Capacity	Units	Year	Notes
Boiler	2	Bryan Boilers:CL300-W-FDGO	3,000	MBH	1998	
Boiler	2	Bryan Boilers:clm180-w-fdg0	1,800	MBH	2008	
Cooling tower	1	BAC F1461-Q				
HP Pool	1	Poolpak SWHP-140-20E			1999 R22	
DHW	3	A.O. SMITH ETH 400A 100	3,999,900	BTU/HR	2009	
HW Pumps	2			15	HP	1998 140 GPM, 65FT,
HW Pumps	2			5	HP	2007 150 GPM, 60FT VFD
HP Pumps	2	Bell & GossetSeries 1510		25	HP	1998 VFD

\$ 196,000
\$ 97,400
\$ 160,000

340 Total bldg cooling
208 load on Cooling tower

Boiler \$ 196,000
Cooling Tower \$ 97,400
Poolpak Unit \$ 160,000
Airside equipment \$ 1,864,800
Controls 850,000

TYPE	Qty	CFM	OA CFM	HP	Heat MBH	Heat kW	Cool MBH	Year	Area Served	Notes
AHU-1	2	6000	2350	7.5	333.2		232.3	1998	Gym	DX
AHU-2	2	4000	1000	2	19.53		0	1998	Lockers	
AHU-3	1	2000	600	1	98		80	1998	Platform B104 (DX	
AHU-4	1	1400	200	1.5	0		38	1998	Office	DX
AHU-5	1	1000	500	3	63		0	1998	Pool lockers	
HRU-1	1	11290		30	332.6		0	1998		
HRU-2	1	13560		40	448.7		0	1998		
HP-1	2	300	0	0.083333333	7.2		5.3	1998		
HP-2	4	360	0	0.083333333	15.3		11.4	1998		
HP-3	1	300	40	0.083333333	8.4		7	1998		
HP-4	1	360	0	0.083333333	13.3		9.4	1998		
HP-5	1	580	60	0.2	20.9		15	1998		
HP-6	1	890	700	0.2	27.4		20.3	1998		
HP-7	2	960	450	0.333333333	40.5		32.1	1998		
HP-8	2	1040	225	0.333333333	46.1		35	1998		
HP-9	1	1040	450	0.333333333	45.9		36	1998		
HP-10	2	1040	0	0.333333333	46.1		34.4	1998		
HP-11	3	1500	450	0.5	56.5		45.5	1998		
HP-12	2	1600	450	0.5	63.4		48	1998		
HP-13	1	1584	450	0.5	58.2		51.2	1998		
HP-14	2	1850	450	0.5	59.6		51.4	1998		
HP-15	1	1800	700	0.5	68.3		5	1998		
HP-16	1	2800	300	1	115.1		86.6	1998		
HP-18	3	1000	0	0.1	50.5		36	1998		
HP-19	1	800	0	0.333333333	20.3		20.7	1998		
HP-20	2	900	0	0.333333333	40.6		30.4	1998		
HP-21	2	1000	0	0.1	46.1		34.4	1998		
HP-22	9	1000	0	0.1	54.8		39.2	1998		
HP-23	9	1000	0	0.1	61.1		41.4	1998		
HP-24	1	1584	700	0.5	58.2		51.2	1998		
HP-25	2	1040	450	0.333333333	46.1		35.1	1998		
HP-26	1	1600	450	0.5	60.93		45	1998		
HP-27	1	1600	450	0.5	58.3		51.3	1998		
UH-1	1	280		0.04	7		0	1998		
UH-2	1	815		0.05	27.4		0	1998		
UH-3	1	540		0.125	14.3		0	1998		
VAV-1	1	550			30			1998	Office area	HW rehe
VAV-2	1	550			25			1998	Office area	HW rehe
VAV-3	2	200			10			1998	Office area	HW rehe
VAV-4	1	100			10			1998	Office area	HW rehe
2007 Addition										
RTU-1	1	6400	0	7.5	0		218	2007	B wing, 1st floor	
RTU-2	1	6400	0	7.5	0		222	2007	B wing 2nd floor	
RTU-3	1	4800	0	5	0		154	2007	LGI	
RTU-4	1	11160	0	10	0		363	2007	C 200 Classroom wing	
RTU-5	1	8585	0	7.5	0		231	2007	Cafeteria	
RTU-6	1	1710	120	1	0		42	2007	Kitchen	
ERV-1	1	3200	3200	5				2007	Energy recovery	Coupled with RTU-1
ERV-2	1	3200	3200	5				2007		Coupled with RTU-2
ERV-3	1	1645	1645	2.5				2007		Couple with RTU-3
ERV-4	1	4000	4000	8				2007		Couple with RTU-4
ERV-5	1	2025	2025	3.5				2007		Couple with RTU-5
HP-1A	1	190	20	0.08	8.6		6.47	2007		
HP-2A	1	415	210	0.13	13.4		11.6	2007		

Total Building Mech. Reno \$ 3,168,200
EI ready number \$ 3,643,430

Lighting \$ 289,000
EI Ready \$ 332,350

Not replacing for cleaning, replacing wheels

Cooling Capacity
2,026.40 168.8666667
\$1,864,800

HP-3A	1	190	20	0.08	8.6	6.47	2007
HP-4A	1	190	40	0.08	8.6	6.47	2007
HP-5A	1	190	20	0.08	8.6	6.47	2007
HP-6A	1	190	20	0.08	8.6	6.47	2007
HP-7A	1	1040	450	0.50	41.9	30.7	2007
HP-8A	1	190	120	0.08	8.6	6.47	2007
CRU-1	1	320			11		2007
CRU-2	1	780			27.3		2007
CRU-3	1	780			27.3		2007
CRU-4	1	800			26		2007
CRU-5	1	1390			49.3		2007
CRU-6	1	1165			43.4		2007
CRU-7	1	1165			43.4		2007
CRU-8	1	415			11.8		2007
CRU-9	1	1000			33.8		2007
CRU-10	1	760			27.3		2007
CRU-11	1	800			28		2007
CRU-12	1	1320			47.5		2007
CRU-13	1	1050			35		2007
CRU-14	1	1050			35		2007
CRU-15	1	400			10.9		2007
CRU-16	1	450			12.3		2007
CRU-17	1	475			13.1		2007
CRU-18	1	315			11		2007
CRU-19	1	1130			42.5		2007
CRU-20	1	1060			41.1		2007
CRU-21	1	1060			41.1		2007
CRU-22	1	735			26.5		2007
CRU-23	1	1060			41.1		2007
CRU-24	1	1060			41.1		2007
CRU-25	1	1330			48.5		2007
CRU-26	1	1060			41.1		2007
CRU-27	1	1060			41.1		2007

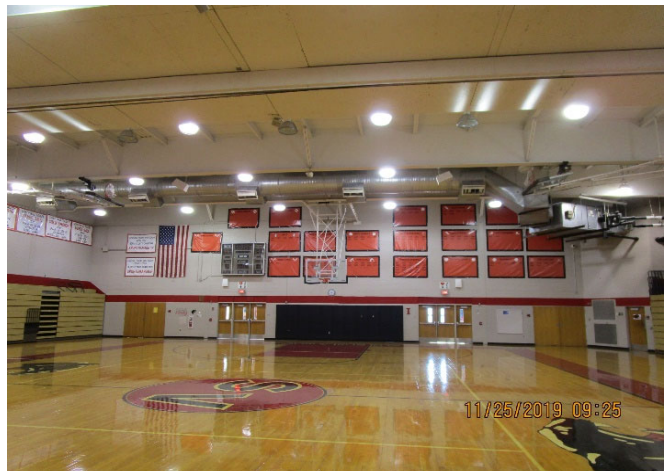
GENERAL DATA

Schuylkill Valley High School / DAO

Built:	1959(B), 1995(A&A), 2000(DAO, A&A), 2006 (A&A) Eligible for 20-year State Reimbursement in 2026
Site:	929 Lake Shore Drive, Leesport, PA 19533. 110.41 acres, located on a campus site with the Elementary and Middle Schools in a mixed/industrial commercial area with paved drives and parking areas, shared athletic fields and a football stadium. The District Administration Offices are located within the High School. There is local vehicular traffic which surrounds the outer school campus.
Structure:	This school consists of one-story and tw-story science wings with concrete floors; metal roof deck; load-bearing masonry walls. Construction type is non-combustible, unprotected in accordance with the International Building Code.
HVAC System:	Hot water/ chilled water system, with vertical classroom unit ventilators and AHUs in big areas. Controls are Honeywell, pneumatic with DDC overlay.
Plumbing Service:	Municipal water and sanitary sewer combined for campus. Natural gas service.
Electrical Service:	Electric service is 2,500 Amps, 480Y/277vac, Cutler-Hammer, manufactured in 1995.
Systems:	Lighting is T8 in classrooms, hallways, office area, Library. Some specialty shops have 8 feet, T12 lamps. Gymnasium has been upgraded to LED, as well as site exterior lighting. Emergency lighting and exit signs throughout the building. Emergency generator is Generac Corp, manufactured in 1995. Classrooms have pendant projectors. Telephones are not completely VOIP. Fire alarm system is Simplex. Security access control system and CCTV cameras in exterior of the building.
Comments:	The existing HVAC and control systems are old and outdated. The existing built-up roof shows aging and out of warranties.
Architectural Area:	182,000 s.f. (including D.A.O.)
PDE Replacement Value:	\$20,695,734 (967 FTE x 123 sf = 118,941 x \$174 / sf = replacement cost) \$4,139,147 (20% Rule)
PDE Total Capacity:	967

PHOTOGRAPHS

Schuylkill Valley High School / DAO



PHOTOGRAPHS

Schuylkill Valley High School / DAO



PHOTOGRAPHS

Schuylkill Valley High School / DAO



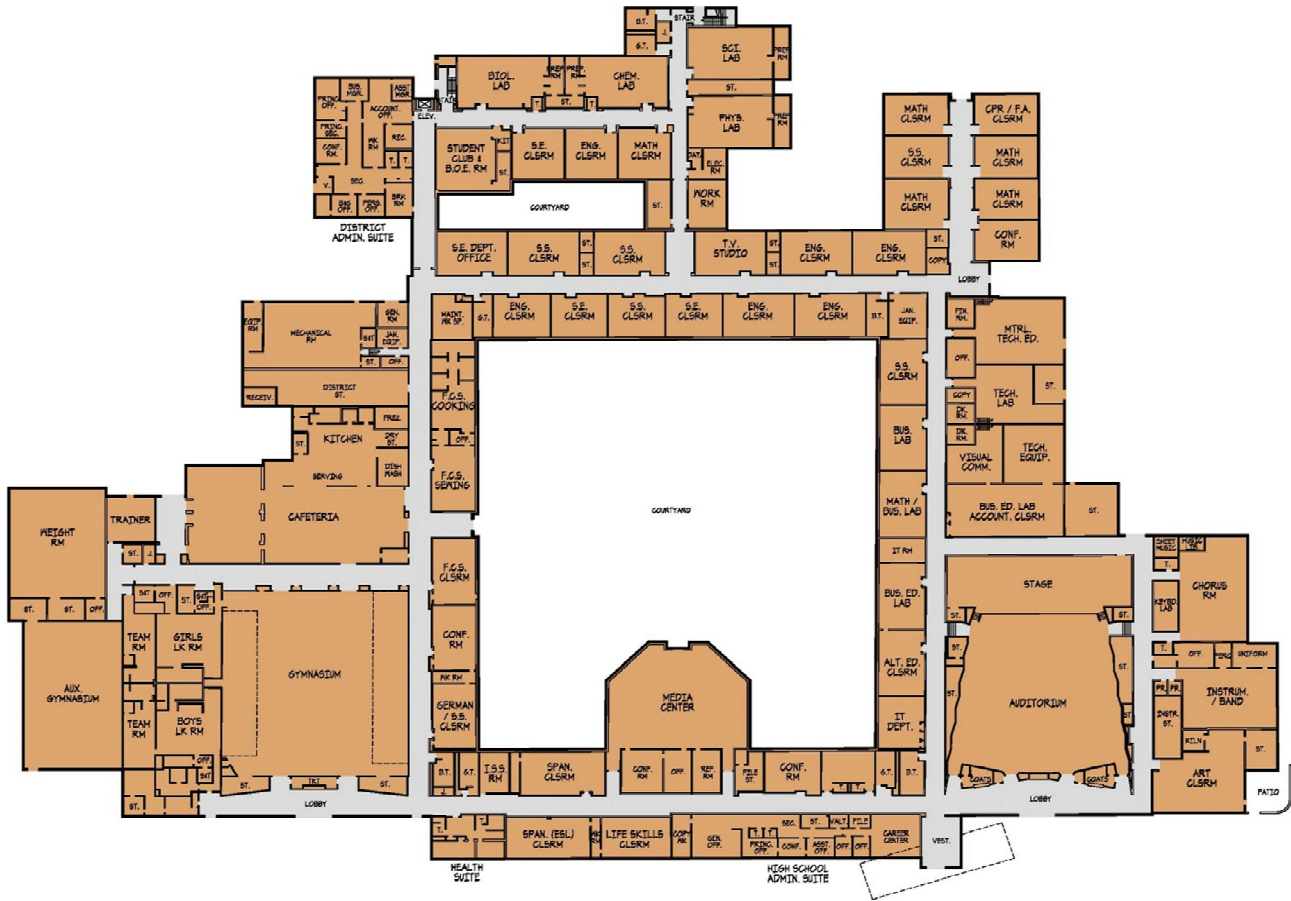
AERIAL VIEW

Schuylkill Valley High School / DAO



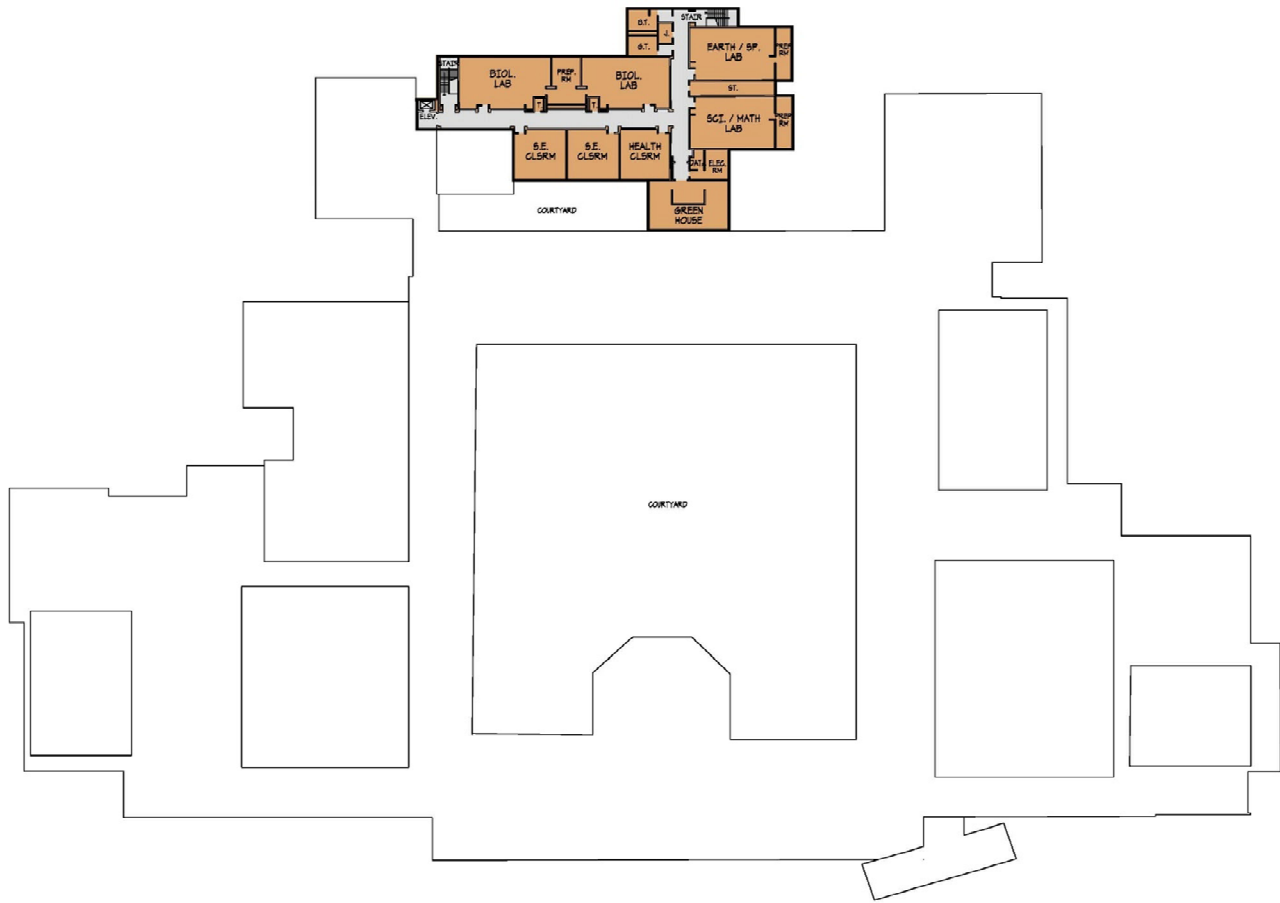
EXISTING FLOOR PLAN

Schuylkill Valley High School / DAO First Floor Plan



EXISTING FLOOR PLAN

Schuylkill Valley High School / DAO
Second Floor Plan



EXISTING BUILDING CAPACITY

		9-12 Existing					
		Schuylkill Valley H.S.					
		No.	Area	Total	Dist.	PDE	
CLSRMS	Math Clsrm	5	790	3950	125	125	CLSRMS
	Social Studies Clsrm	5	835	4175	125	125	
	English Clsrm	6	850	5100	150	150	
	Spanish Classroom (ESL)	2	1035	2070	50	50	
	German / Soc Studies Clsrm	1	815	815	25	25	
	Support Clsrm / Health	2	730	1460	50	50	
	Special Educ / Gifted Clsrm	6	755	4530			
SUPPORT	Alternative Ed Clsrm	1	880	880	20	20	SUPPORT
	Large Group / L.G.I.	1	1075	1075			
	Science Lab	8	1275	10200	160	160	
	Science Proj Room	1	430	430			
	Science Proj Room	6	215	1290			
	Greenhouse	1	1125	1125			
	Business / Accounting Lab	1	1780	1780	20	20	
	Computer Lab / Bus. Clsrm	3	895	2685	60	60	
	Art Classroom	1	1805	1805	20	20	
	Music / Keyboard	1	365	365			
	Music / Band / Choral	1	1665	1665	25	25	
	Music / Band / Choral	1	1985	1985	25	25	
	Music Practice	2	50	100			
	Music Office	1	365	365			
	F.C.S. Lab & Nutrition Lecture	3	945	2835	60	60	
	S.T.E.A.M. Lab / T.E. Lab	2	3210	6420	40	40	
	T.V. Studio	1	895	895	20	20	
ANCILLARY / CORE AREAS	Media Center	1	3815	3815			ANCILLARY / CORE AREAS
	Gymnasium	1	10190	10190	66	66	
	Wrestling Room / Aux Gym	1	4295	4295	33	33	
	Weight Room	1	3090	3090			
	Training Room	1	640	640			
	Locker Rm - Nat. / Team Rm	2	735	1470			
	Locker Room (Boys)	1	1220	1220			
	Locker Room (Girls)	1	1220	1220			
	Officials / P.E. Office / Coach	1	250	250			
	P.E. Office / Coach	3	120	360			
	Auditorium	1	7410	7410			
	Stage / Platform	1	3030	3030			
	Student Dining	1	5220	5220			
	Kitchen Areas	1	2910	2910			
	Administration / Guidance	1	3145	3145			
	Health Suite	1	900	900			
	In-School Suspension	1	355	355			
	Faculty / Workroom / Conf	3	755	2265			
	Faculty / I.P.C. / Work / Office	3	350	1050			
District Admin Offices	1	5525	5525				
FUNCTIONAL CAPACITY					752	967	
TOTAL CAPACITY					752	967	
2019-20 ENROLLMENT						636	
SCHEDULED AREA					116,360		
ARCHITECTURAL AREA					182,000		

5-8, 9-12 Secondary Grades: 20-25 students per classroom; 90% P.D.E. Utilization Factor. District: 75% Utilization Factor.

Secondary Functional Capacity includes all spaces that receive capacity except a Natatorium. PDE Total Capacity includes all spaces that receive capacity including a Natatorium. Special Education Capacity is not included in the Functional Capacity or Total Capacity. The existing adjusted building capacity may have been adjusted to represent the intended or adjusted use of space.

SUMMARY BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley High School / DAO

		Cost per SF
SITE EVALUATION	\$1,694,000.00	\$9.31 / SF
EXTERIOR EVALUATION	\$2,836,000.00	\$15.58 / SF
INTERIOR EVALUATION	\$439,500.00	\$2.41 / SF
HVAC EVALUATION	\$5,049,800.00	\$27.75 / SF
PLUMBING EVALUATION	\$0.00	\$0.00 / SF
ELECTRICAL EVALUATION	\$371,500.00	\$2.04 / SF
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SUB-TOTAL*	\$10,390,800.00	\$57.09 / SF
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CODE EVALUATION	\$704,000.00	\$3.87 / SF
SAFETY & SECURITY EVALUATION	\$0.00	\$0.00 / SF
MISCELLANEOUS UPGRADES	\$450,000.00	\$2.47 / SF
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BUILDING TOTAL*	\$11,544,800.00	\$63.43 / SF
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CODE EVALUATION - Fire Suppression System Upgrade **	\$610,000.00	\$3.35 / SF
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CAMPUS SITE EVALUATION - Campus & Athletic Fields	\$2,451,600.00	\$13.47 / SF
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	Construction Cost	Total Project Cost
RANK 1 Sub-Total Cost (High Priority)	\$6,145,800.00	\$7,682,300.00
RANK 2 Sub-Total Cost (Medium Priority)	\$3,077,000.00	\$3,846,300.00
RANK 3 Sub-Total Cost (Low Priority)	\$98,500.00	\$123,100.00
RANK 4 Sub-Total Cost (Optional / Consideration)	\$2,223,500.00	\$2,779,400.00
RANK - TOTAL COST *	\$11,544,800.00	\$14,431,100.00
Fire Suppression System Upgrade (**TBD if needed for projects)	\$610,000.00	\$762,500.00
Campus Site Evaluation - Campus & Athletic Fields	\$2,451,600.00	\$3,064,500.00

* 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 a desired option. Total Project Cost includes all soft costs.

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley High School / DAO

ARCHITECTURAL SURVEY	Cost	Rank
A. Site Evaluation:		
1 Refer to expanded Campus Site Evaluation at High School Site Evaluation for overall Campus site improvements as well as Stadium and Athletic Fields.	Refer to H.S.	
2 Pedestrian Circulation - HS seatwall repair.	\$5,000	2
3 Parking - Provide additional parking at DAO.	\$82,500	4
4 Parking - Add 2 Handicaped spaces, crosswalk, and curb ramp - HS front lot.	\$6,500	1
5 At selected areas, remove top 2" of existing macadam parking lots & paving areas. Repave top surfaces, seal, paint new parking lines, and assign H.C. accessible spaces as required.	\$1,600,000	4
Site Evaluation Sub-Total:	\$1,694,000	
 A. Campus Site Evaluation - Campus, Stadium, and Athletic Fields:		
6 Vehicular Circulation - Connection between HS and MS/ES.	\$123,000	4
7 Pedestrian Circulation - Campus-wide trail system.	\$385,000	4
8 Pedestrian Circulation - Curb Ramp Improvements.	\$90,000	2
9 Stadium - Remove and replace center home grandstand.	\$150,000	4
10 Stadium - Add decorative screening to rear of central grandstand.	\$2,500	4
11 Stadium - Remove and replace 2 sand pits with sand catcher system.	\$42,000	4
12 Stadium - New Fieldhouse.	\$720,000	4
13 Baseball - Replace outfield fence - Varsity.	\$33,800	4
14 Baseball - Add electronic scoreboards.	\$60,000	4
15 Baseball - Add protective netting between fields.	\$26,400	4
16 Baseball - Relocate inlet in left field run-off - Varsity.	\$20,000	4
17 Baseball - Replace foul poles - Varsity.	\$10,000	4
18 Baseball - Renovate dugouts - Varsity.	\$3,500	4
19 Baseball - Regrade left field - Junior Varsity.	\$16,000	4
20 Baseball - Replace Backstop and team fencing - Junior Varsity.	\$28,000	4

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley High School / DAO

ARCHITECTURAL SURVEY	Cost	Rank
A. Campus Site Evaluation - Campus, Stadium, and Athletic Fields		
21 Baseball - Refurbish outfield grass surface - Junior Varsity.	\$14,000	4
22 Tennis - Remove courts and fence and replace.	\$440,000	4
23 Tennis - Add drainage to south side.	\$22,000	2
24 Softball - Add outfield fence and warning track - Varsity.	\$45,600	4
25 Softball - Replace backstop and team fencing - Varsity.	\$28,000	4
26 Softball - Add protective netting along parking - Varsity.	\$19,800	4
27 Softball - Add electronic scoreboards.	\$60,000	4
28 Softball - Refurbish outfield grass surface - regrade for drainage.	\$14,000	4
29 Multi-use Fields - Refurbish grass surface.	\$98,000	4
<i>Campus Site Evaluation - Campus, Stadium, and Athletic Fields Sub-</i>	\$2,451,600	
B. Exterior of Building Evaluation:		
1 Repair minor cracks in masonry walls at various locations.	\$6,000	1
2 Add secondary drain in canopy to stop stormwater overflow.	\$8,000	1
3 Restore existing built-up roofs to obtain renewed warranty.	\$2,822,000	2
<i>Exterior of Building Evaluation Sub-Total:</i>	\$2,836,000	
C. Interior of Building Evaluation:		
1 Replace Auxiliary Gymnasium sport floor.	\$39,000	3
2 Refinish Gymnasium wood floor.	\$42,000	3
3 Install acoustic wall panels in Cafeteria.	\$91,000	4
4 Allowance for any architectural/structural modification to accommodate any new MEP works.	\$250,000	2
5 Refinish Stage wood floor.	\$17,500	3
<i>Interior of Building Evaluation Sub-Total:</i>	\$439,500	

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley High School / DAO

ARCHITECTURAL SURVEY	Cost	Rank
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D. Heating, Ventilation and Air Conditioning (HVAC) Evaluation:

Refer to the following items on the Preliminary Asset Condition Assessment matrix as prepared by SitelogIQ.

** Refer to the *MEP Totals* for cost of the following items:

1	Upgrade existing HVAC system. **	\$5,049,800	1
<i>HVAC Evaluation Sub-Total:</i>		\$5,049,800	

E. Plumbing Evaluation:

Refer to the following items on the Preliminary Asset Condition Assessment matrix as prepared by SitelogIQ.

** Refer to the *MEP Totals* for cost of the following items:

1	There are no apparent deficiencies. **	N.C.	
<i>Plumbing Evaluation Sub-Total:</i>		\$0	

F. Electrical Evaluation:

Refer to the following items on the Preliminary Asset Condition Assessment matrix as prepared by SitelogIQ.

** Refer to the *MEP Totals* for cost of the following items:

1	Upgrade existing electrical & lighting system. **	\$371,500	1
<i>Electrical Evaluation Sub-Total:</i>		\$371,500	

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley High School / DAO

ARCHITECTURAL SURVEY	Cost	Rank
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G. Code Evaluation:

The IBC, 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 systems 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.

1	Replace existing doors to courtyard.	\$10,000	1
2	Allowance for repairing/upgrading fire-rated walls to current Fire Safety codes.	\$300,000	1
3	Install 18" vertical grab bars in existing H.C. toilet rooms and H.C. stalls to meet current building code.	\$5,000	1
4	Install a vertical chairlift to access existing Stage.	\$45,000	1
5	Assign existing hall and locker room lockers for H.C.	\$10,500	1
6	Assign existing Auditorium seats for H.C.	\$6,000	1
7	Allowance for repairing/upgrading fire-rated walls to current Fire Safety codes.	\$300,000	1
8	Replace selected single drinking fountains with ADA hi-lo fountain units.	\$27,500	1
Code Evaluation Sub-Total:		\$704,000	

9	The School currently does not have a fire protection system. The installation of a fire protection sprinkler system in lieu of G.2 may be considered during the next planned renovation. (Cost shown is a supplemental cost of \$610,000 added to cost of G.2 for a total cost of \$910,000 for a sprinkler system).	\$610,000	4
Code Evaluation - Fire Suppression System Upgrade Sub-Total:		\$610,000	TBD

H. Safety & Security Evaluation:

1	There are no apparent deficiencies.	N.C.	
Safety & Security Evaluation Sub-Total:		\$0	

BUILDING IMPROVEMENTS AND CONSTRUCTION COSTS

Schuylkill Valley High School / DAO

ARCHITECTURAL SURVEY	Cost	Rank
I. Miscellaneous Upgrades:		
1 New Kitchen equip. (Scullery area equipment needs replaced.) RO system recommended for water treatment. Dish machine, Water Booster, Soil Table/Clean Table, and Walk-In Cooler/Freezer need replaced. Add Variable Frequency Drive for existing exhaust system -40% exhaust savings.	\$450,000	4
<i>Miscellaneous Upgrades Sub-Total:</i>	\$450,000	
<i>Building Evaluation Total:</i>	\$11,544,800	
<i>Code Evaluation - Fire Suppression System Upgrade Total:</i>	\$610,000	
<i>Campus Site Evaluation - Campus, Stadium, and Athletic Fields Total:</i>	\$2,451,600	
J. Alterations & Additions		
1 Refer to Options.	See Options	
<i>Alterations & Additions Sub-Total:</i>	\$0	

Schuylkill Valley High School			Equipment Age and Life Expectancy				Preliminary Asset Condition Assessment				Current Concerns/Problems						
System	System Detail	Area(s) Served	Average Life Expectancy	Actual Age of Equipment	% Life Expectancy Used	Approx. Remaining life	Asset Condition	Asset Condition Description	Priority	Energy/Water Efficiency Ventilation/IAQ	Temperature Level/Control	Humidity Control	Light Levels	Recent/Impending Failure	Code Compliance	Difficult to Maintain	Additional Notes
Heating Hot Water Generation	(2) Cleaver Brook fire-tube, double fuel, skid mounted, 1996	Entire Building	25	23	92%	2	Caution	Equipment almost at end of useful life and should be considered for replacement	2	●	●						
Heating primary pumps	Base mounted centrif. pump SHP, CF.	Entire Building	20	23	115%	(3)	Alert	Equipment at end of useful life and due for replacement	1	●	●						
Chilled Water Generation	(1) Trane air-cooled chiller RTAC, 270 tons, R134A.	Entire Building	23	23	100%	0	Alert	Equipment at end of useful life and due for replacement	1	●	●	●					
Chilled Water Distribution	Base mounted centrif. pump 7.5HP, CF.	Entire Building	20	23	115%	(3)	Alert	Equipment at end of useful life and due for replacement	1	●	●						
CHW/HW Distribution Pumps	Base mounted centrif. pumps 30HP VFD	Entire Building	20	23	115%	(3)	Alert	Equipment at end of useful life and due for replacement	1	●	●						
Air Handling Units	CV AHUs: AHU2 Audit. Lobby (2), AHU4 Adit (2), AHU5, Music RM, AHU7 Comp. RM, AHU8 Tech Lab, AHU9 MATLS Tech, AHU10 Café (2), AHU11 Gym, AHU12 Kitchen, AHU13 Choral RM.	Original Bldg. 1959	25	23	92%	2	Caution	Equipment almost at end of useful life and should be considered for replacement	2		●	●	●				
	Htg. Only: AHU1 Dist. Storage, AHU3 Spray booth, AHU6 Kitchen Make-up.	Original Bldg.	25	23	92%	2	Caution	Equipment almost at end of useful life and should be considered for replacement	2	●	●	●					
Terminal Air Units	2-pipe unit ventilators (48)	Original Bldg.	25	23	92%	2	Caution	Equipment almost at end of useful life and should be considered for replacement	2	●	●	●					Two pipe system doesn't allow for proper humidity control.
	Fancoils (36)	Original Bldg.	25	23	92%	2	Caution	Equipment almost at end of useful life and should be considered for replacement	2	●	●	●					Two pipe system doesn't allow for proper humidity control.
	Cabinet unit heaters (8)	Original Bldg.	25	23	92%	2	Caution	Equipment almost at end of useful life and should be considered for replacement	2	●	●	●					
Air Handler Units	AHU-1 DAO, package DX cooling VAV. AHU2 and 3 are CV serving Aux. Gym and Weight room.	2000 Addition	25	19	76%	6	Acceptable	Equipment generally in good condition	3		●	●	●				Two pipe system doesn't allow for proper humidity control.
Terminal Air Units	Package Air Units, fancoil units, Unit ventilators	2000 Addition	20	19	95%	1	Caution	Equipment at end of useful life and due for replacement	3	●	●	●					Two pipe system doesn't allow for proper humidity control.
	VAV boxes w/ electric reheat (AHU-1)	ADO	15	19	127%	(4)	Alert	Equipment at end of useful life and due for replacement	1		●	●	●	●			
Energy Recovery Ventilators	ERV-1 Thorough 4: Packaged rooftops with DX cooling nad gas heat	2006 Addition	20	13	65%	7	Acceptable	Equipment generally in good condition	3	●	●	●					
Terminal Air Units	Blower coils (16)	2006 Addition	20	13	65%	7	Acceptable	Equipment generally in good condition	3		●	●					
	Cabinet unit heaters (3)	2006 Addition	20	13	65%	7	Acceptable	Equipment generally in good condition	3		●	●					
	Radiant ceiling panels (20)	2006 Addition	20	13	65%	7	Acceptable	Equipment generally in good condition	3		●	●					
Automated Temperature Controls	Honeywell - pneumatic with DDC overlap	Entire Building	18	23	128%	(5)	Alert	Equipment at end of useful life and due for replacement	1	●	●	●	●	●	●		
Kitchen refrigeration units	Walk-in freezer is Bally with 3 fans. Walk-in refrigerator is Bohn Heatcraft (2 fans).	Entire Building	20	23	115%	(3)	Alert	Equipment at end of useful life and due for replacement		●							in need of replacement if using R-22
Kitchen Make-up unit	AHU-6, see above	Kitchen	25	23	92%	2	Caution	Equipment almost at end of useful life and should be considered for replacement	2	●	●	●					
Domestic Plumbing Fixtures	Toilets, urinals and sinks	Entire Building	25	23	92%	2	Caution	China in good condition, should meet 1994 standards. Can be upgraded to WaterSense standard.	2	●					●	●	ADA Compliance
	Water fountains	Entire Building	20	23	115%	(3)	Alert	In need of replacement if using R-22	3	●					●	●	ADA Compliance
	Classroom sinks and faucets	Entire Building	25	23	92%	2	Caution	Only in specialty classrooms (labs). Typically in good condition, not ADA compliant.	2	●					●	●	ADA Compliance
Domestic Water Heating	Aerco instantaneous, condensing water heater	Entire Building	25	13	52%	12	Acceptable	Equipment generally in good condition	4	●							
Electrical Service	Main transformer	Entire Building	30	23	77%	7	Acceptable	Equipment generally in good condition	2								
Electrical Distribution	Cutler-Hammer panels, 1995. Service is 2,500 Amps, 480Y/277V.	Entire Building	30	23	77%	7	Acceptable	Equipment generally in good condition	3								
Emergency power	CAT Engine model 3116	Entire Building	30	23	77%	7	Acceptable	Equipment generally in good condition	1						●		
Lighting - Interior	Majority of spaces have T8-32W fluorescent fixtures	Classroom, common areas	20	23	115%	(3)	Alert	Equipment at end of useful life and due for replacement. Consider LED technology	1	●		●					Lighting levels either exceed or are below recommended levels in instructional areas
Lighting - Interior	Fluorescent T12-34W lamps	Specialty shop areas	20	23	115%	(3)	Alert	Equipment at end of useful life and due for replacement. Consider LED technology	1	●		●					
	LED fixtures	Main Gym	25	0	0%		Acceptable	Equipment generally in good condition	4			●					

Schuylkill Valley High School			Equipment Age and Life Expectancy				Preliminary Asset Condition Assessment				Current Concerns/Problems							
System	System Detail	Area(s) Served	Average Life Expectancy	Actual Age of Equipment	% Life Expectancy Used	Approx. Remaining Life	Asset Condition	Asset Condition Description	Priority	Energy/Water Efficiency	Ventilation/IAQ	Temperature Level/Control	Humidity Control	Light Levels	Recent/Impending Failure	Code Compliance	Difficult to Maintain	Additional Notes
	There are no occupancy sensors in interior areas for lighting control.	Entire Building																
Lighting - Exterior	LED Fixtures, parking lot poles	Exterior	25	1	4%	24	Acceptable	Equipment generally in good condition	2	●				●			●	Exterior fixtures have been upgraded to LED per school initiative.
	LED Fixtures, building exterior, wallpacks	Exterior	25	1	4%	24	Acceptable	Equipment generally in good condition	2	●				●			●	
Lighting Controls	Lighting control panels for corridors, common areas and exterior.	Entire Building	25	23	92%	2	Caution	Installation of occupancy sensors and daylight-responsive controls are code required for new buildings.	2	●								Retrofits are available with more cost-effective control options.
Emergency & Egress Lighting	Emergency lighting throughout bldg.	Entire Building	25	23	92%		Caution	Equipment almost at end of useful life and should be considered for replacement	2	●				●	●			
	Sprinkler system	Entire Building	20	23	115%	(3)	Alert	Equipment at end of useful life and due for replacement	1							●		
Low-voltage Systems	Phone/ Data/ Intercom/Clock Systems. Not completely VOIP.	Entire Building	25	23	92%	2	Caution	Review system functionality with District. Review wireless coverage with District	2	●								
	Fire Alarm System: Simplex	Entire Building	25	23	92%	2	Caution	Equipment generally in good condition	2							●		
	Security System	Entire Building	25	23	92%	2	Caution	Review functionality and deficiencies of security system with District	2							●		
	Access Control System, fobs and cards.	Entire Building	25	4	16%	21	Acceptable	Equipment generally in good condition	1							●		

System description: 2-pipe changeover. CHW/HW system, with 15% glycol, air cooled chiller.
 Building Size Sqft. 190,000

Equipment	Manufacturer	Model	Capacity	Units	VFD?	Efficiency	Units	Year	Bui	Other
Boiler 1	Cleaver Brook	CBE200-100	4,200	MBTU/HR	NA		1	1996	Dual fuel: Gas	Combustion efficiency test result from April 2019 is 86.2% LF, 84.3% (1) 3,000 MBT condensing boiler
Boiler 2	Cleaver Brook	CBE200-100	4,200	MBTU/HR	NA		1	1996	Dual fuel: Gas	Oil
Burner 1	Cyclonetic	JB2C-30-ERL70-M.20-MP-1	4,200	MBTU/HR	NA		1	1996	Dual fuel: Gas	Oil
Burner 2	Cyclonetic	JB2C-30-ERL70-M.20-MP-1	4,200	MBTU/HR	NA		1	1996	Dual fuel: Gas	Oil
Chiller	TRANE	RTAA270	270	TONS			1	1996		
Pump 1	Marathon Electric	Primary CHW CS	7.5	HP					552 GPM, 30FT HD, 1800 RPM	
Pump 1B	Marathon Electric	Primary CHW CS back-up	7.5	HP					552 GPM, 30FT HD, 1800 RPM	
Pump 2		Primary HW CS	5	HP						
Pump 3A	US Electrical mc	Secondary CHW/HW, VFD	30	HP	YES	94.1	%		822 GPM, 90 FT HD, 1800 RPM	
Pump 3B	US Electrical	motors / Bell & Gossett	30	HP	YES	94.1	%		822 GPM, 90 FT HD, 1800 RPM	
ZONE 1 AHU receiving area										
ZONE 2 AHU3 hall by boys lav outside Auditorium										
ZONE 3 AHU4 hall by art room										
Controls	Honeywell								pneumatic 2HP motor for compressor	
DWH	Aerco	INN1060			#####	BTUH	2	New		
DH Tank										
Electric	Cutler-Hammer, Westinghouse							1995		

AHU SCHEDULE

TAG	Qty	TOTAL CFM	OA CFM	COOLING CAP	HEATING CAP	FAN HP	Year	CHW/HW unless otherwise noted
AHU-4 Auditorium	2	10200	3400	408.3	824.3	5	1996	\$ 20.00 \$ 204,000
AHU-5 Music RM	1	2880	858	105.3	209.3	1.5	1996	\$ 20.00 \$ 57,600
AHU-13 Choral RM	0	2800	930	119.7	232.1	2	1996	? Can't find on drawings, is a \$ 20.00 \$ 56,000
AHU-7 Computer RM	1	2100	630	77.5	152.7	1	1996	\$ 20.00 \$ 42,000
AHU-8 Tech Lab	1	1800	540	67.2	133.3	1.5	1996	\$ 20.00 \$ 36,000
AHU-9 Matls Tech	1	2100	630	78.6	150.4	1	1996	\$ 20.00 \$ 42,000
AHU-10 Cafe	2	2500	850	102.4	203	1.5	1996	\$ 20.00 \$ 50,000
AHU-11 Gym	2	9000	3000	336.1	428.7	5	1996	\$ 20.00 \$ 180,000
AHU-12 Kitchen	1	1600	400	56.9	116.5	1	1996	\$ 20.00 \$ 32,000
AHU-6 Kitchen hood (ma	1	4800	4800		285.1	3	1996	\$ 20.00 \$ 96,000
AHU-1 Dist. Storage ma	1	4250	4250		327.2	2	1996	\$ 20.00 \$ 85,000
AHU-2 Audit Lobby	2	2000	667	80.7	127.3	1	1996	\$ 20.00 \$ 40,000
AHU-3 Spray booth Make	1	4200	4200		323.4	5	1996	\$ 20.00 \$ 84,000
	16							\$ 1,422,600

Unit ventilators	TOTAL CFM	OA CFM	COOLING CAP	HEATING CAP	FAN HP	Year	CHW/HW unless otherwise noted	
UV-1	7	750	250	28.4	60.2	0.17	1996	\$ 18,000
UV-2	21	1000	333	35.1	73.6	0.17	1996	\$ 18,000
UV-3	6	1250	420	46.4	98	0.25	1996	\$ 18,000
UV-4	8	1500	465	62.8	127	0.25	1996	\$ 18,000
UV-5	1	1500	465	0	81.2	0.25	1996	\$ 18,000
UV-6	2	2000	667	83.4	164.6	0.75	1996	\$ 18,000
UV-7	1	1000	333	35.1	73.6	0.17	1996	\$ 18,000
UV-8	3	1250	420	46.4	98	0.25	1996	\$ 18,000
UV-9	1	750	250	28.4	60.2	0.17	1996	\$ 18,000
UV-10	1	1500	500	62.8	127.6	0.25	1996	\$ 18,000
UV-11	4	1560	520	62.8	127.6	0.25	1996	\$ 18,000
	55							\$ 990,000

Fancoils	TOTAL CFM	OA CFM	COOLING CAP	HEATING CAP	FAN HP	Year	CHW/HW unless otherwise noted	
FC-1	3	255	85	6.3	12.8	0.0333333	1996	\$ 10,000
FC-2	11	145	50	5	10.5	0.0333333	1996	\$ 10,000
FC-3	3	145	50	0	10.5	0.0333333	1996	\$ 10,000
FC-4	2	255	85	0	12.8	0.0333333	1996	\$ 10,000
FC-5	7	400	133	11.3	23.3	0.0666667	1996	\$ 10,000
FC-6	1	1000	335	44.1	130		1996	\$ 10,000
FC-7	1	500	165	19.4	60		1996	\$ 10,000
FC-8	1	500	165	19.4	60		1996	\$ 10,000
FC-9	1	360	120	14	30		1996	\$ 10,000
FC-10	1	260	85	10.2	20		1996	\$ 10,000
FC-11	1	260	85	10.2	20		1996	\$ 10,000
FC-12	1	400	100	14.9	30		1996	\$ 10,000
FC-13	1	600	150	23.5	50		1996	\$ 10,000
FC-14	1	350	90	13	30		1996	\$ 10,000
FC-15	1	600	150	23.5	50		1996	\$ 10,000
FC-16	1	276	90	10.7	25		1996	\$ 10,000
FC-17	2	200	50	7.5	15		1996	\$ 10,000
FC-18	1	250	85	9.8	20		1996	\$ 10,000
	40							\$ 400,000

HEATING EQUIPMENT	TOTAL CFM	OA CFM	COOLING CAP	HEATING CAP	FAN HP	Year	HW
CHU-1	3	475		30.7		1996	\$ 3,500
CHU-2	1	475		30.7		1996	\$ 3,500
CHU-3	1	260		15.3		1996	\$ 3,500
CHU-4	4	260		15.3		1996	\$ 3,500
EDH-1	1	490		34.4		1996	\$ 3,500
EDH-2	2	80		1.76		1996	\$ 3,500
EDH-3	1	80		1.76		1996	\$ 3,500
EDH-4	1	160		3.52		1996	\$ 3,500
EDH-5	1	280		6.16		1996	\$ 3,500
EDH-6	1	280		6.16		1996	\$ 3,500

New condensing boilers

Total building load	Cap In	If two boiler
15 BTU/sqft 2,850,000	3,097,826	1,852,500
20 BTU/sqft 3,800,000	4,130,435	2,470,000
3,000 MBT condensing boiler	\$ 226,000.00	
turnkey installation - contractor cost		
Boiler Replacement	\$ 226,000	
Chiller replacement	\$ 301,000	

Boilers	\$ 226,000
Chiller	\$ 301,000
Air side Equip.	\$ 2,914,100
Controls	\$ 950,000

Total Building Mech. Reno	\$ 4,391,100	23.11
EI ready number	\$ 5,049,765	

Lighting	\$ 323,000
EI Ready	\$ 371,450

EDH-7	1	120		2.64	1996	\$	3,500	
EDH-8	1	8		1.76	1996	\$	3,500	
EDH-9	1	80		1.76	1996	\$	3,500	
EDH-10	1	80		1.76	1996	\$	3,500	
EDH-11	1	370		8.14	1996	\$	3,500	
EHUH	2	350		10.2	1996	\$	3,500	
HUH-1	2	1535		33.4	1996	\$	3,500	
HUH-2	4	591		14.7	1996	\$	3,500	
HUH-3		2808		64.8	1996	\$	3,500	
29							Airside Subtotal	\$ 101,500

2000 Addition	Qty	TOTAL CFM	OA CFM	COOLING CAP	HEATING CAP	FAN HP	Year	
ahu-1-a District Admin C	1	5315	510	144	0	5	2000	VAV, DX Split system (CU-1) Economizer mode
ahu-2-a Aux. Gym	1	5100	1500	257	253.3	5	2000	
ahu-3-a Weight room	1	5000	975	196.8	208.8	3	2000	
fcu-1-a	1	1500	450	36	52	0.25	2006	alternate bid - I don't think it was built
fcu-1-a Coach	1	200	20	6.1	14.9	0.07	2000	
fcu-2-a Small practice r	1	300	60	9.8	7.5	0.1	2000	
fcu-3-a DAD Records	1	350	0	10	9	0.6	2000	Split system (CU-2)
pau-1-a Trainers office	1	1250	120	27.6	113.8	0.5	2000	Package AHU
pau-2-a Art room	1	2400	450	94	70	1.5	2000	Package AHU
pau-3-a Instrumental	1	2000	450	85	67	1	2000	Package AHU

2006 Addition	Qty	TOTAL CFM	OA CFM	COOLING CAP	HEATING CAP	FAN HP	Year	
ERV-1	1	10000	10000	395.2	217.8	7.5	2006	Package rooftop energy recovery unit with DX cooling and gas heat source
ERV-2	1	10000	10000	395.2	217.8	7.5	2006	Package rooftop energy recovery unit with DX cooling and gas heat source
ERV-3	1	1800	1800	73.9	66.9	1	2006	Package rooftop energy recovery unit with DX cooling and gas heat source
ERV-4	not found on drawings	3000	3000	112.9	98.1	1.5	2006	Package rooftop energy recovery unit with DX cooling and gas heat source
BC-1	2	1500	0	49.4	72	0.75	2006	CHW/HW 2-pipe system
BC-2	1	1000	0	26.6	43	0.5	2006	
BC-3	3	1000	0	38.7	55	0.75	2006	
BC-4	2	600	0	23.2	31	0.5	2006	
BC-5	2	400	0	11.9	19	0.25	2006	
BC-6	2	1000	0	31.2	46	0.5	2006	
BC-7	1	1000	0	38.7	55	0.5	2006	
BC-8	1	1800	0	52.4	85	0.75	2006	
BC-9	1	600	0	18.7	28	0.5	2006	
BC-10	1	1200	0	42.6	60	0.5	2006	
CUH-1	2	300	0	0	14	0.05	2006	HW
CUH-2	1	300	0	0	14	0.05	2006	
CUH-3	not found on drawings	550	0	0	28.7	0.125	2006	
CUH-4	not found on drawings	975	0	0	53.9	0.125	2006	
UH-1	not found on drawings	300	0	0	5.5	0.04	2006	HW
UH-2	not found on drawings	600	0	0	12	0.05	2006	
UH-3	not found on drawings	800	0	0	20.7	0.05	2006	
UH-4	not found on drawings	1100	0	0	24.5	0.125	2006	
UH-5	not found on drawings	1200	0	0	33.4	0.125	2006	
UH-6	not found on drawings	1700	0	0	51	0.125	2006	
ERH-1	6	700			0		2006	15 kW
EMH-1	1						2006	1500 W
RCP-1	2				0.34		2006	Radiant ceiling panels HW
RCP-2	20				0.58		2006	

not found on drawings

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 Conceptual Plans; Proposed Elementary and/or Secondary Room Schedules; and Projected Reimbursement.

The following Options were developed during meetings with the Schuylkill Valley School District and EI Associates. These Options are provided for the Board of Education to evaluate the needs of the District's facilities. The Options were 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 repairs 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 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. An additional 10% reimbursement for renovating existing buildings has been eliminated with the current Act 70 guidelines.

Total Project Costs include 25% of Construction Cost for the following construction-related costs: Movable Fixtures and Equipment; Project Contingency; Construction-Related Costs; Architect/Engineering/Construction Manager Fees; Financing Cost; and Project Supervision.

Note 1: If the Project is going to be Pre-financed, add 3% to the estimated "Total Project Cost".

Note 2: Cost estimates extend one-year (to March 2021).

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 Schuylkill Valley School District.

SUMMARY OF OPTIONS

OPTIONS 1-3

OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4

Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8

Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-5

Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)

6-8

M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-6

M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required

7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required

OPTION EXPLORATION SUMMARY

Options Information

Each Option includes the following information: Option Summary; Proposed Educational Program; Option Cost Summary; Proposed Conceptual Plans; Proposed Elementary and/or Secondary Room Schedules; and Projected Reimbursement.

Option Summary: A summary of the respective option illustrating the proposed Elementary Schools and/or Secondary Schools as well as the Option Pros & Cons.

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

Option Cost Summary: A Cost Summary of the respective option including: Cost for Additions; Renovation Study Cost; Additional Educational Upgrades Cost including Alterations, Demo, and Site Costs; Total Construction Cost; Total Project Cost which includes a 25% Soft Cost Factor; and Annual Total Share (based upon a respective wrap-around 25-year bond issue rate).

Conceptual Design: Conceptual Site Plans and Floor Plans are included as graphical illustrations of each proposed option.

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 and PDE Total Capacity.

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




- The Annual Net Share *minus* the Annual State Share would illustrate the inclusion of State Reimbursement if available.

Note 1: If the Project is going to be Pre-financed, add 3% to the estimated "Total Project Cost".

Note 2: Cost estimates extend one-year (to March 2021).

EXISTING EDUCATIONAL PROGRAM

Adjusted Building Capacity for Grades K-4, 5-8, 9-12, K-12

Building	Existing Grade Alignment	2019-20 Enrollment	** Capacity		Highest Projected Enrollment	
			District Functional	PDE Total	Methods I & II	Current + 10% *
 Schuylkill Valley Elementary School	K-4	791	792	975		
K-4 TOTAL		791	792	975	902 Method II	870 2019
 Schuylkill Valley Middle School	5-8	684	718	955		
5-8 TOTAL		684	718	955	786 Method II	752 2019
 Schuylkill Valley High School	9-12	636	752	967		
9-12 TOTAL		636	752	967	750 Method I	700 2019
K-12 TOTAL		2,111	2,262	2,897	2,428 Method II	2,322 2019

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

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

OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4	Maintain K-4 Schuylkill Valley Elementary School Recommended Alterations & Additions as required
5-8	Maintain 5-8 Schuylkill Valley Middle School Recommended Alterations & Additions as required
9-12	Maintain 9-12 Schuylkill Valley High School Recommended Alterations & Additions as required

OPTION PROS & CONS

Pros

- Provides educational program upgrades for each grade structure.
- Capacity adequate for the projected student population.
- Less construction at M.S. and H.S. (most work consolidated at E.S.).
- Needed E.S. total renovations and the addition are combined as one project.
- Less expensive option.
- Maintains 3 schools on site.
- Less operational expenses.
- Provides views and daylight for the new administration suite and security improvement at main entry at E.S.
- Provides additional L.G.I. / Board Room at H.S. / D.A.O.

Cons

- Construction phasing and disruption of occupied H.S.
- Relocation of existing spaces in order to expand needed spaces at H.S.
- Driveway reconfiguration at M.S.




PROGRAM SUMMARY

OPTION 1

OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4	Maintain K-4 Schuylkill Valley Elementary School Recommended Alterations & Additions as required
5-8	Maintain 5-8 Schuylkill Valley Middle School Recommended Alterations & Additions as required
9-12	Maintain 9-12 Schuylkill Valley High School Recommended Alterations & Additions as required

OPTION EDUCATIONAL PROGRAM

Building	Proposed Work	Proposed Grade Alignment	Student Enroll. Design	** Capacity		Highest Projected Enrollment for Reimbursement	
				District Functional	PDE Total	Methods I & II	Current + 10% *
	Maintain Grades Alterations & Additions	K-4		990	1250		
K-4 TOTAL			1,000 1,125	990	1,250	902 Method II	870 2019
	Maintain Grades Alterations & Additions	5-8		841	1113		
5-8 TOTAL			800 900	841	1,113	786 Method II	752 2019
	Maintain Grades Alterations & Additions	9-12		804	1,034		
9-12 TOTAL			800 900	804	1,034	750 Method I	700 2019
K-12 TOTAL			2,600 2,925	2,635	3,397	2,428 Method II	2,322 2019

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

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

OPTION COST SUMMARY

OPTION 1







OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4 Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8 Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required

9-12 Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required

OPTION COST SUMMARY

Building	Constr. Cost for Additions	Renov. Study Cost	Alterations Demo & Site Cost	Total Constr. Cost	Total Project Cost	+ Annual Total Share
  K-4 E.S.	8,000,000	11,365,300	235,000	19,600,300	24,500,000	1,568,200
K-4 Total **	\$8,000,000	\$11,365,300	\$235,000	\$19,600,300	\$24,500,000	\$1,568,200
  5-8 M.S.	4,950,000	6,853,100	200,000	12,003,100	15,004,000	960,500
5-8 Total	\$4,950,000	\$6,853,100	\$200,000	\$12,003,100	\$15,004,000	\$960,500
  9-12 H.S.	4,125,000	11,544,800	195,000	15,864,800	19,831,000	1,269,300
9-12 Total	\$4,125,000	\$11,544,800	\$195,000	\$15,864,800	\$19,831,000	\$1,269,300
Campus Site	0	2,451,600	0	2,451,600	3,065,000	196,200
Site Total	\$0	\$2,451,600	\$0	\$2,451,600	\$3,065,000	\$196,200
K-12 Sub-Total	\$17,075,000	\$32,214,800	\$630,000	\$49,919,800	\$62,400,000	\$3,994,200
CMC Total	\$0	\$0	\$0	\$1,280,000	\$1,600,000	\$102,500
K-12 Total	\$17,075,000	\$32,214,800	\$630,000	\$51,199,800	\$64,000,000	\$4,096,700

Notes: + Annual Total Share based upon a 4% 25-year bond issue rate.
** Additional Gymnasium area for Option 1: \$2,500,000 T.C.C. = \$3,125,000 T.P.C.

PROPOSED ROOM SCHEDULE

		K-4 Existing					Proposed K-4 Opt. 1				
	EDUCATIONAL SPACE	Elementary School					Elementary School				
		No.	Area	Total	District	PDE	No.	Area	Total	District	PDE
CLSRMS	Full Day Kindergarten	7	790	5530	154	175	9	790	7110	198	225
	First Grade Clsrm	8	780	6240	176	200	9	780	7020	198	225
	Second Grade Clsrm	7	780	5460	154	175	9	780	7020	198	225
	Third Grade Clsrm	7	780	5460	154	175	9	780	7020	198	225
	Fourth Grade Clsrm	7	780	5460	154	175	9	780	7020	198	225
	Fifth Grade Clsrm										
	Sixth Grade Clsrm										
	Seventh Grade Clsrm										
SUPPORT	Eighth Grade Clsrm										
	Support Clsrm	3	780	2340	66	75	5	800	4000	110	125
	Support Clsrm (Divided)						5	800	4000		
	Pre-K / Head Start Clsrm	1	780	780			1	780	780		
	Special Educ / Gifted Clsrm	6	765	4590			6	765	4590		
	S.E. Seminar / S.G.I.	5	360	1800			6	400	2400		
	Title 1 / I.U. Clsrm	1	780	780			1	780	780		
	Seminar / S.G.I. / Media										
	Large Group / L.G.I.	1	1395	1395			1	1395	1395		
	Student Commons / L.G.I.	1	2565	2565			1	2565	2565		
	Science Lab										
	Science Lab										
	Science Proj Room										
	Computer Lab										
	Art Classroom	1	1000	1000			2	1100	2200		
	Music / Band / Choral	1	680	680			1	680	680		
	Music / Band / Choral	2	725	1450			2	725	1450		
	Music / Band / Choral										
	F.C.S. Lab										
	S.T.E.A.M. Lab	1	930	930			1	930	930		
Tech Comp. / Lecture											
Tech Lab											
T.V. Studio											
ANCILLARY / CORE AREAS	Media Center	1	2980	2980			1	2980	2980		
	Gymnasium	1	5760	5760			1	5760	5760		
	Natorium										
	Wrestling Room / Aux Gym						1	6500	6500	**	
	Training Room										
	Locker Room (Natatorium)										
	Locker Room (Boys)	1	595	595			1	595	595		
	Locker Room (Girls)	1	595	595			1	595	595		
	Officials / P.E. Office / Coach	1	405	405			1	405	405		
	Stage / Platform	1	945	945			1	945	945		
	Student Dining	1	4595	4595			1	6000	6000		
	Kitchen Areas	1	4170	4170			1	5000	5000		
	Administration / Guidance	1	3205	3205			1	4500	4500		
	Health Suite	1	865	865			1	865	865		
	In-School Suspension										
	Faculty Dining / Workroom	1	875	875			2	875	1750		
	Faculty / I.P.C.	3	375	1125			4	400	1600		
Functional Capacity				792	900				990	1125	
Total Capacity				858	975				1100	1250	
Scheduled Area			72,575					91,955			
Architectural Area			112,000					144,000			
New Architectural Area								32,000			
Enrollment				791					1000-1125		

** Additional Gymnasium area for Option 1 to be reviewed and is not included in base costs.

K-4 ES & 5-8 MS -- OPTION 1

5-8 Existing					Proposed 5-8 Opt 1							
Middle School					Middle School							
No.	Area	Total	District	PDE	No.	Area	Total	District	PDE			
										Full Day Kindergarten	CLSRMS	
										First Grade Clsrm		
										Second Grade Clsrm		
										Third Grade Clsrm		
										Fourth Grade Clsrm		
										Fifth Grade Clsrm		
										Sixth Grade Clsrm		
										Seventh Grade Clsrm		
										Eighth Grade Clsrm		
5	765	3825	125	125	7	765	5355	175	175	Support Clsrm	SUPPORT	
5	765	3825	125	125	7	765	5355	175	175	Support Clsrm (Divided)		
6	715	4290	150	150	7	765	5355	175	175	Pre-K / Head Start Clsrm		
6	740	4440	150	150	7	765	5355	175	175	Special Educ / Gifted Clsrm		
										S.E. Seminar / S.G.I.		
										Title 1 / I.U. Clsrm		
										Seminar / S.G.I. / Media		
										Large Group / L.G.I.		
										Student Commons / L.G.I.		
3	780	2340	75	75	4	800	3200	100	100	Science Lab		
										Science Lab		
										Science Proj Room		
7	755	5285			8	800	6400			Computer Lab		
2	535	1070			2	535	1070			Art Classroom		
										Music / Band / Choral		
1	565	565			1	565	565			Music / Band / Choral		
1	3050	3050			1	3050	3050			Music / Band / Choral		
										F.C.S. Lab		
1	1355	1355	20	20	1	1355	1355	20	20	S.T.E.A.M. Lab		
3	1150	3450	60	60	3	1150	3450	60	60	Tech Comp. / Lecture		
4	240	960			4	240	960			Tech Lab		
1	725	725	20	20	1	725	725	20	20	T.V. Studio		
1	2130	2130	20	20	1	2130	2130	20	20	Media Center		
1	745	745	25	25	1	745	745	25	25	Gymnasium		
1	1985	1985	25	25	1	1985	1985	25	25	Natorium		
1	2070	2070	25	25	1	2070	2070	25	25	Wrestling Room / Aux Gym		
1	2065	2065	20	20	1	2065	2065	20	20	Training Room		
4	875	3500	80	80	4	875	3500	80	80	Locker Room (Natorium)		
1	2725	2725	20	20	1	2725	2725	20	20	Locker Room (Boys)		
1	1355	1355	20	20	1	1355	1355	20	20	Locker Room (Girls)		
1	215	215			1	215	215			Officials / P.E. Office / Coach		
										Stage / Platform		
1	4050	4050			1	4050	4050			Student Dining		
1	7535	7535	66	66	1	7535	7535	66	66	Kitchen Areas		
1	6540	6540	32	32	1	6540	6540	32	32	Administration / Guidance		
1	1605	1605			1	1605	1605			Health Suite		
1	1505	1505			1	1505	1505			In-School Suspension		
2	810	1620			2	810	1620			Faculty Dining / Workroom		
1	2205	2205			1	2205	2205			Faculty / I.P.C.		
1	1515	1515			1	1515	1515					
7	95	665			7	95	665					
1	2030	2030			1	2030	2030					
1	5220	5220			1	5220	5220					
1	2990	2990			1	2990	2990					
1	3135	3135			1	4000	4000					
1	725	725			1	725	725					
1	265	265			1	265	265					
5	375	1875			5	375	1875					
1	85	85			1	85	85					
				718	923					841	1081	Functional Capacity
				750	955					873	1113	Total Capacity
				95,535				106,615				Scheduled Area
				152,000				170,000				Architectural Area
								18,000				New Architectural Area
				684					800-900			Enrollment

PROPOSED ROOM SCHEDULE

9-12 HS -- OPTION 1

		9-12 Existing					Proposed 9-12 Opt. 1 & 2					
	EDUCATIONAL SPACE	High School					High School					
		No.	Area	Total	District	PDE	No.	Area	Total	District	PDE	
CLSRMS	Seventh Grade Clsrm											CLSRMS
	Eighth Grade Clsrm											
	Math Clsrm	5	790	3950	125	125	5	790	3950	125	125	
	Social Studies Clsrm	5	835	4175	125	125	5	835	4175	125	125	
	English Clsrm	6	850	5100	150	150	6	850	5100	150	150	
	Spanish Classroom (ESL)	2	1035	2070	50	50	2	1035	2070	50	50	
	German / Soc Studies Clsrm	1	815	815	25	25	1	815	815	25	25	
	Support Clsrm / Health	2	730	1460	50	50	5	800	4000	125	125	
	Support Clsrm (Divided)						2	800	1600			
SUPPORT	Special Educ / Gifted Clsrm	6	755	4530			7	800	5600			SUPPORT
	Alternative Ed Clsrm	1	880	880	20	20	1	880	880	20	20	
	Seminar / S.G.I. / Media / Conf						6	250	1500	(eq. 2 clrms)		
	Large Group / L.G.I.	1	1075	1075			1	1075	1075			
	Student Commons / L.G.I.						1	1600	1600	(divided)		
	Science Lab	8	1275	10200	160	160	8	1275	10200	160	160	
	Science Proj Room	1	430	430			1	430	430			
	Science Proj Room	6	215	1290			6	215	1290			
	Greenhouse	1	1125	1125			1	1125	1125			
	Business / Accounting Lab	1	1780	1780	20	20	1	1780	1780	20	20	
	Computer Lab / Bus. Clsrm	3	895	2685	60	60	3	895	2685	60	60	
	Art Classroom	1	1805	1805	20	20	1	1805	1805	20	20	
	Music / Keyboard	1	365	365			1	365	365			
	Music / Band / Choral	1	1665	1665	25	25	1	1665	1665	25	25	
	Music / Band / Choral	1	1985	1985	25	25	1	1985	1985	25	25	
	Music Practice	2	50	100			2	50	100			
	Music Office	1	365	365			1	365	365			
	F.C.S. Lab & Nutrition Lecture	3	945	2835	60	60	3	945	2835	60	60	
S.T.E.A.M. Lab / T.E. Lab	2	3210	6420	40	40	2	3210	6420	40	40		
T.V. Studio	1	895	895	20	20	1	895	895	20	20		
ANCILLARY / CORE AREAS	Media Center	1	3815	3815			1	3815	3815			ANCILLARY / CORE AREAS
	Gymnasium	1	10190	10190	66	66	1	10190	10190	66	66	
	Wrestling Room / Aux Gym	1	4295	4295	33	33	1	4295	4295	33	33	
	Weight Room	1	3090	3090			1	3090	3090			
	Training Room	1	640	640			1	640	640			
	Locker Rm - Nat. / Team Rm	2	735	1470			2	735	1470			
	Locker Room (Boys)	1	1220	1220			1	1220	1220			
	Locker Room (Girls)	1	1220	1220			1	1220	1220			
	Officials / P.E. Office / Coach	1	250	250			1	250	250			
	P.E. Office / Coach	3	120	360			3	120	360			
	Auditorium	1	7410	7410			1	7410	7410			
	Stage / Platform	1	3030	3030			1	3030	3030			
	Student Dining	1	5220	5220			1	5220	5220			
	Kitchen Areas	1	2910	2910			1	4000	4000			
	Administration / Guidance	1	3145	3145			1	3145	3145			
	Health Suite	1	900	900			1	900	900			
	In-School Suspension	1	355	355			1	355	355			
	Faculty / Workroom / Conf	3	755	2265			3	755	2265			
Faculty / I.P.C. / Work / Office	3	350	1050			3	350	1050				
District Admin Offices	1	5525	5525			1	5525	5525				
	Functional Capacity			752	967				804	1034		
	Total Capacity			752	967				804	1034		
	Scheduled Area		116,360				125,760					
	Architectural Area		182,000				197,000					
	New Architectural Area						15,000					
	Enrollment			636					800-900			

OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4

Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8

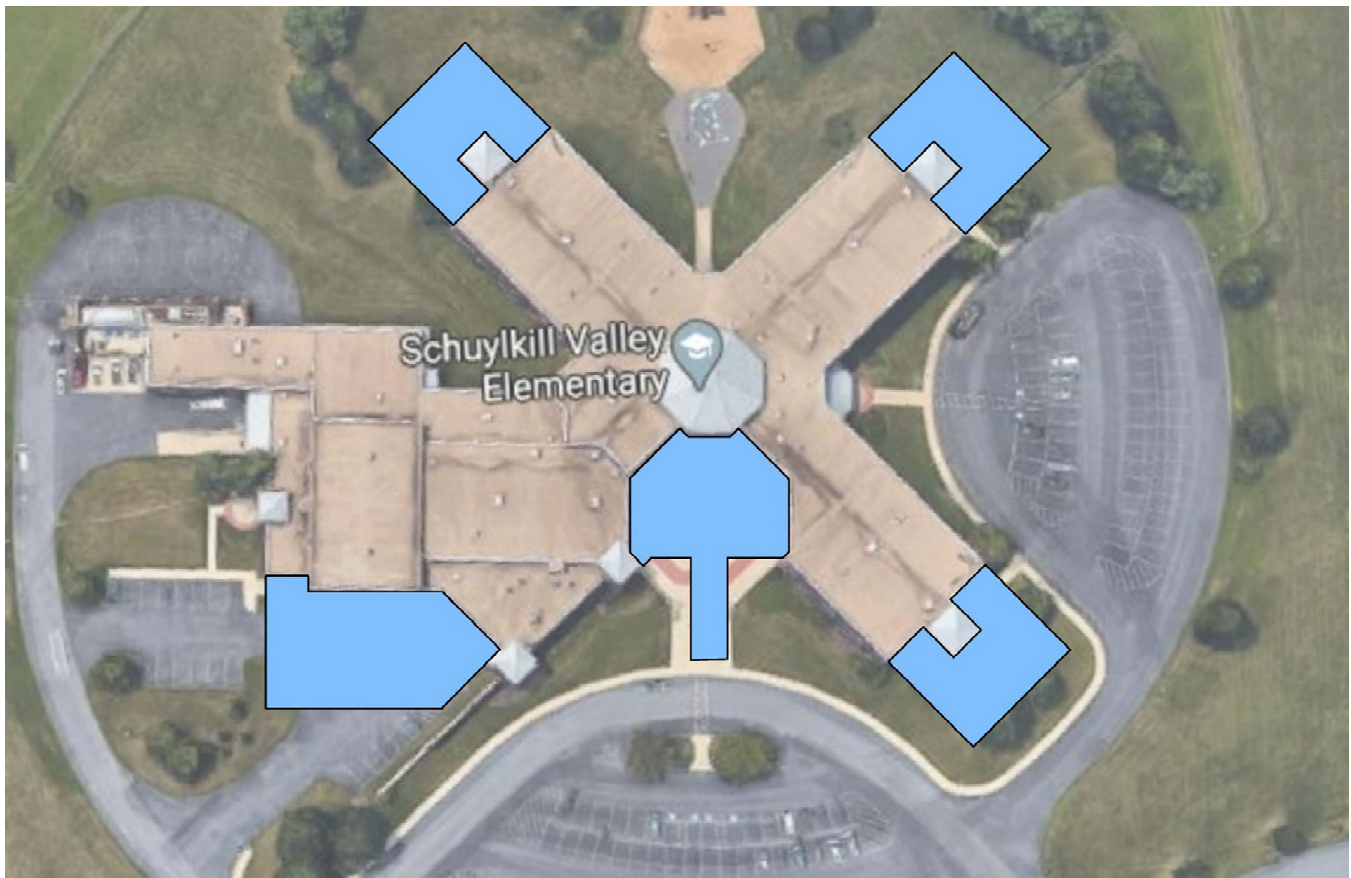
Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required




9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



K-4 Elementary School - Site Plan



-  EXISTING RENOVATION
-  ADDITION
-  EXISTING ALTERATION

OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4

Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8

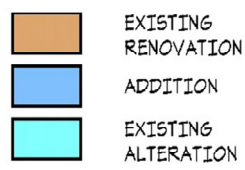
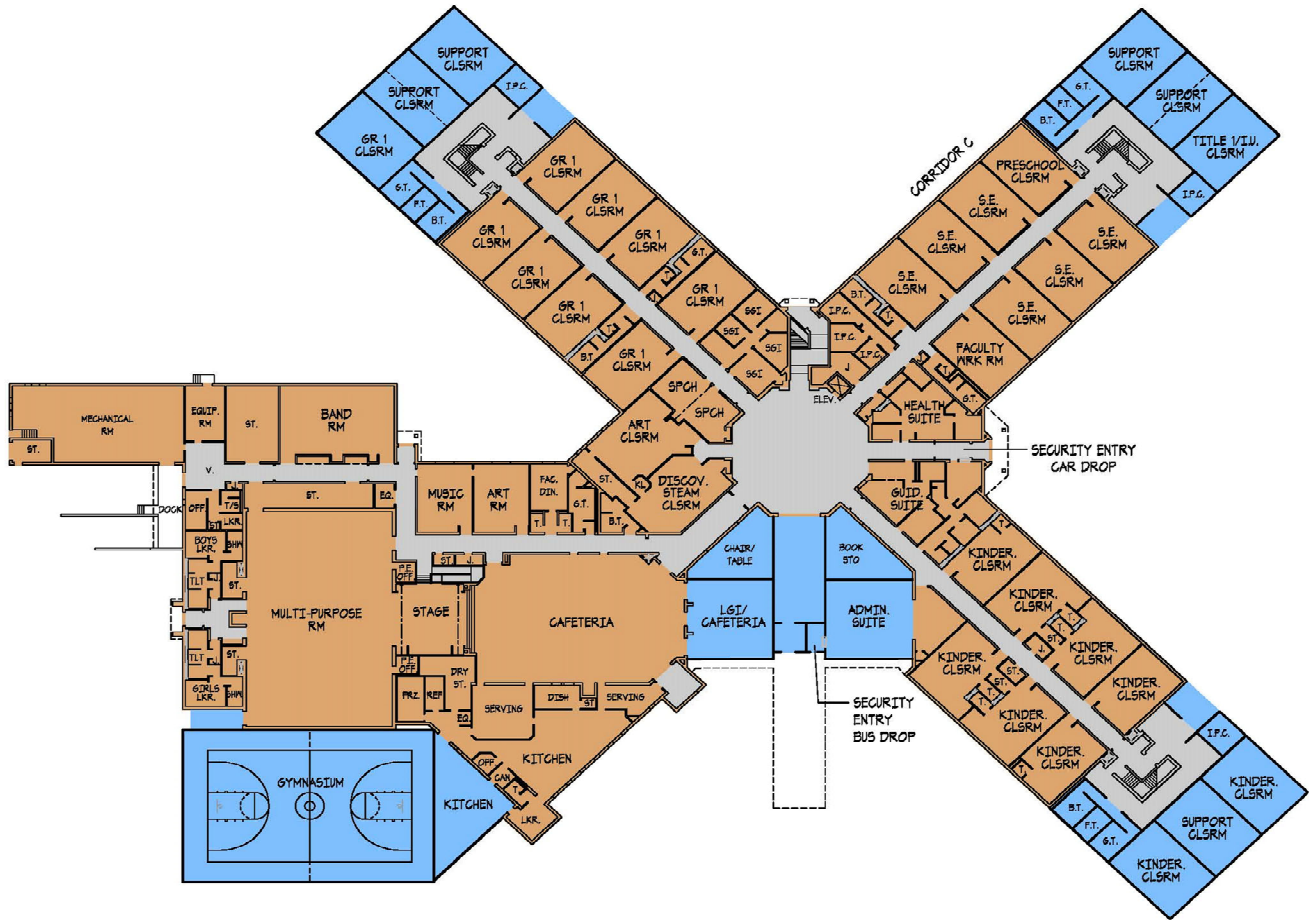
Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



K-4 Elementary School - First Floor Plan



OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4

Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8

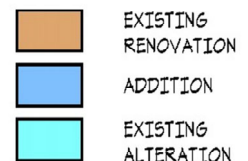
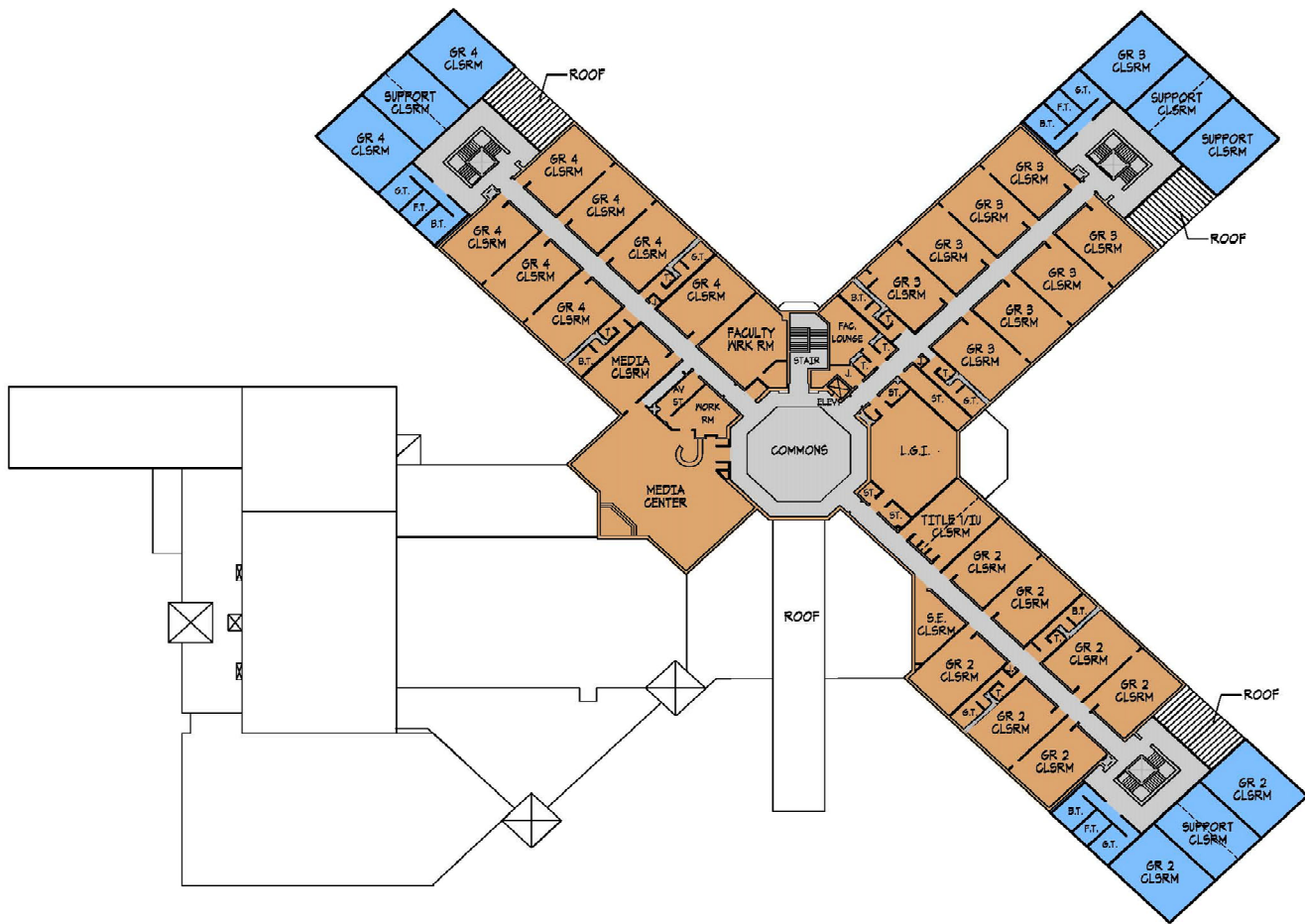
Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



K-4 Elementary School - Second Floor Plan



OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4

Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8

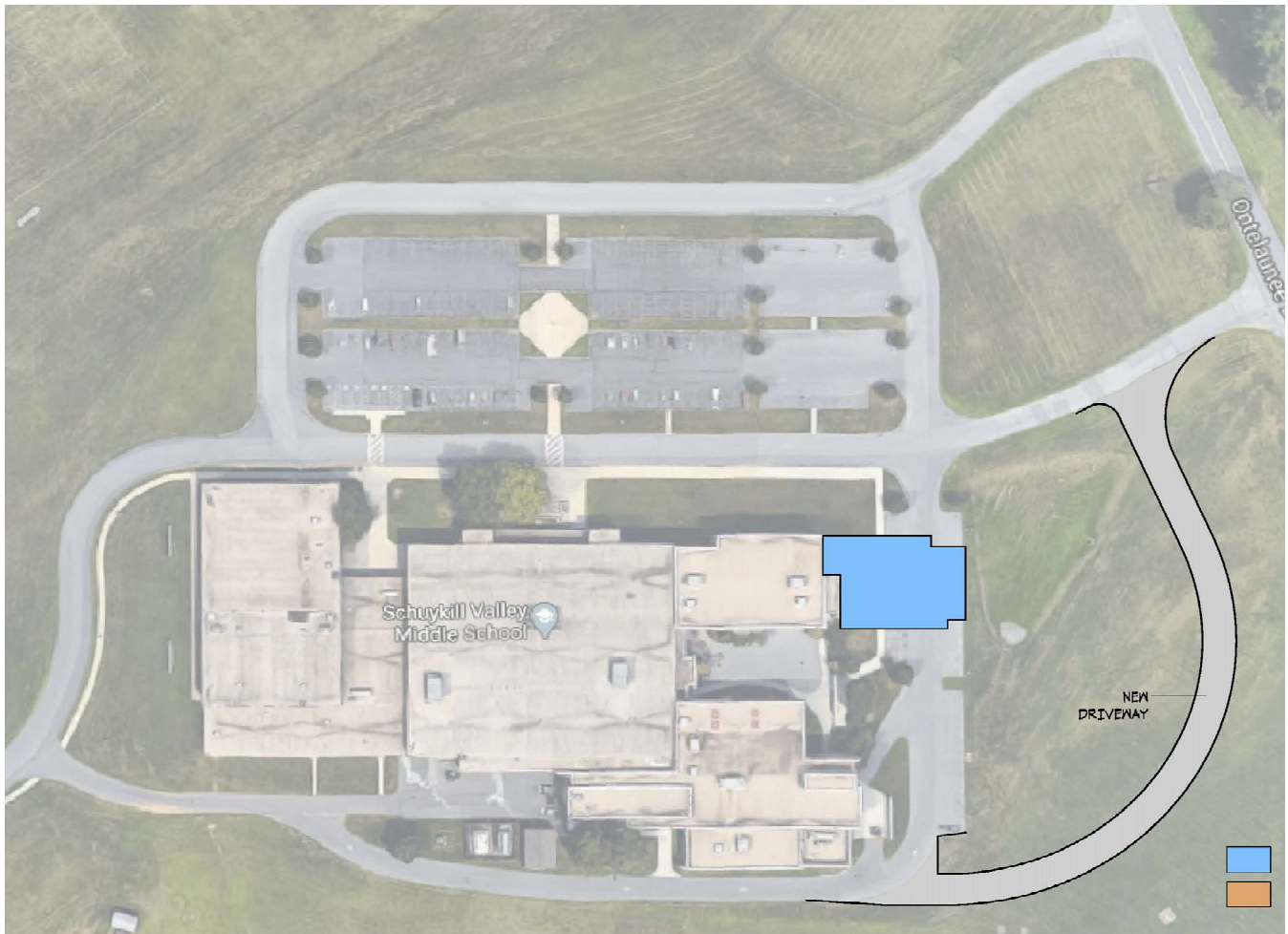
Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required




9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



Middle School - Site Plan



-  EXISTING RENOVATION
-  ADDITION
-  EXISTING ALTERATION

CONCEPTUAL DESIGN

5-8 -- OPTION 1

OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4

Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8

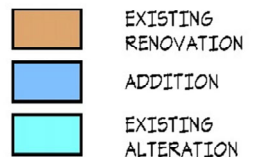
Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



Middle School - First Floor Plan



OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4

Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8

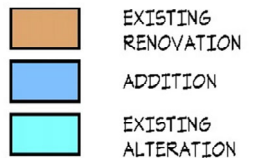
Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



Middle School - Second Floor Plan



OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4

Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8

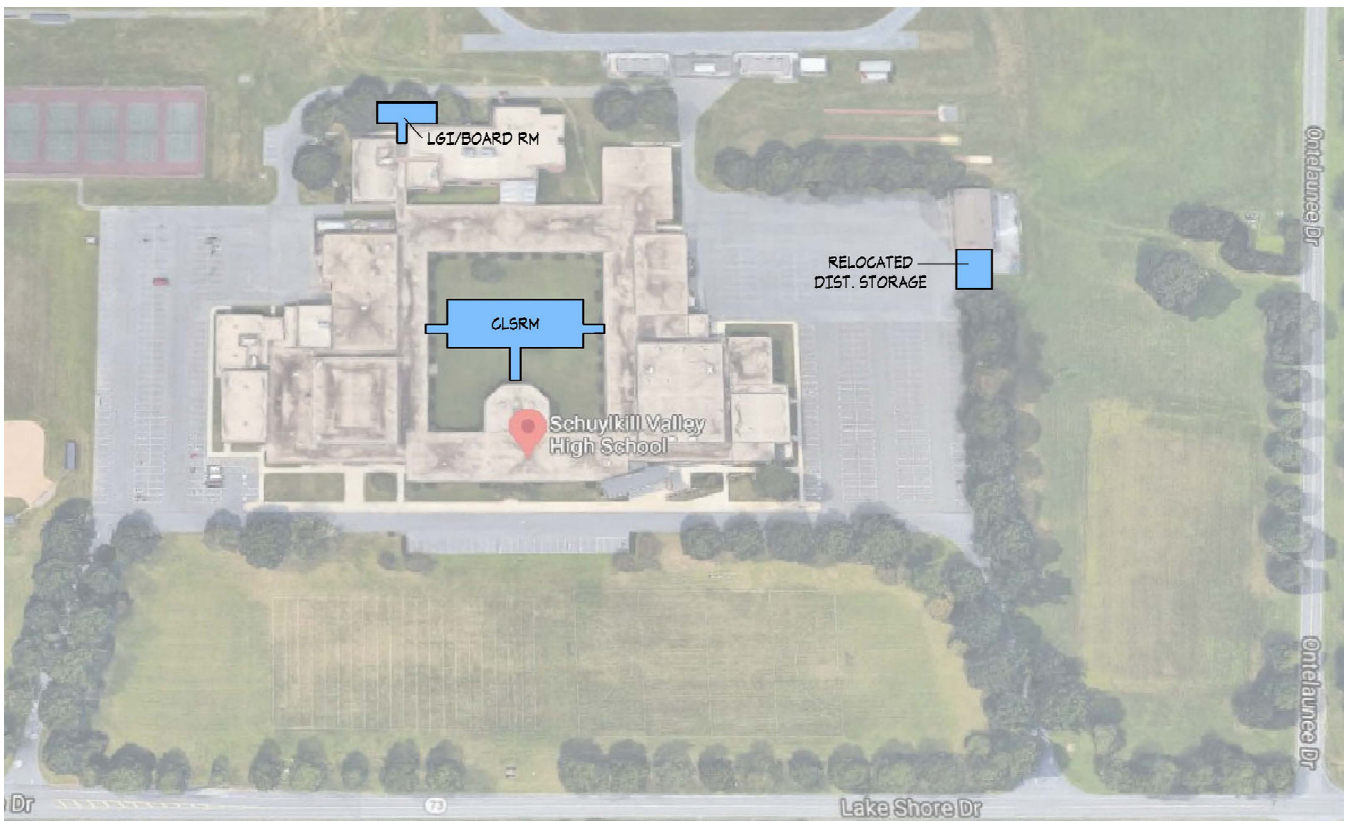
Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



High School - Site Plan



- EXISTING RENOVATION
- ADDITION
- EXISTING ALTERATION

CONCEPTUAL DESIGN

9-12 -- OPTION 1

OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

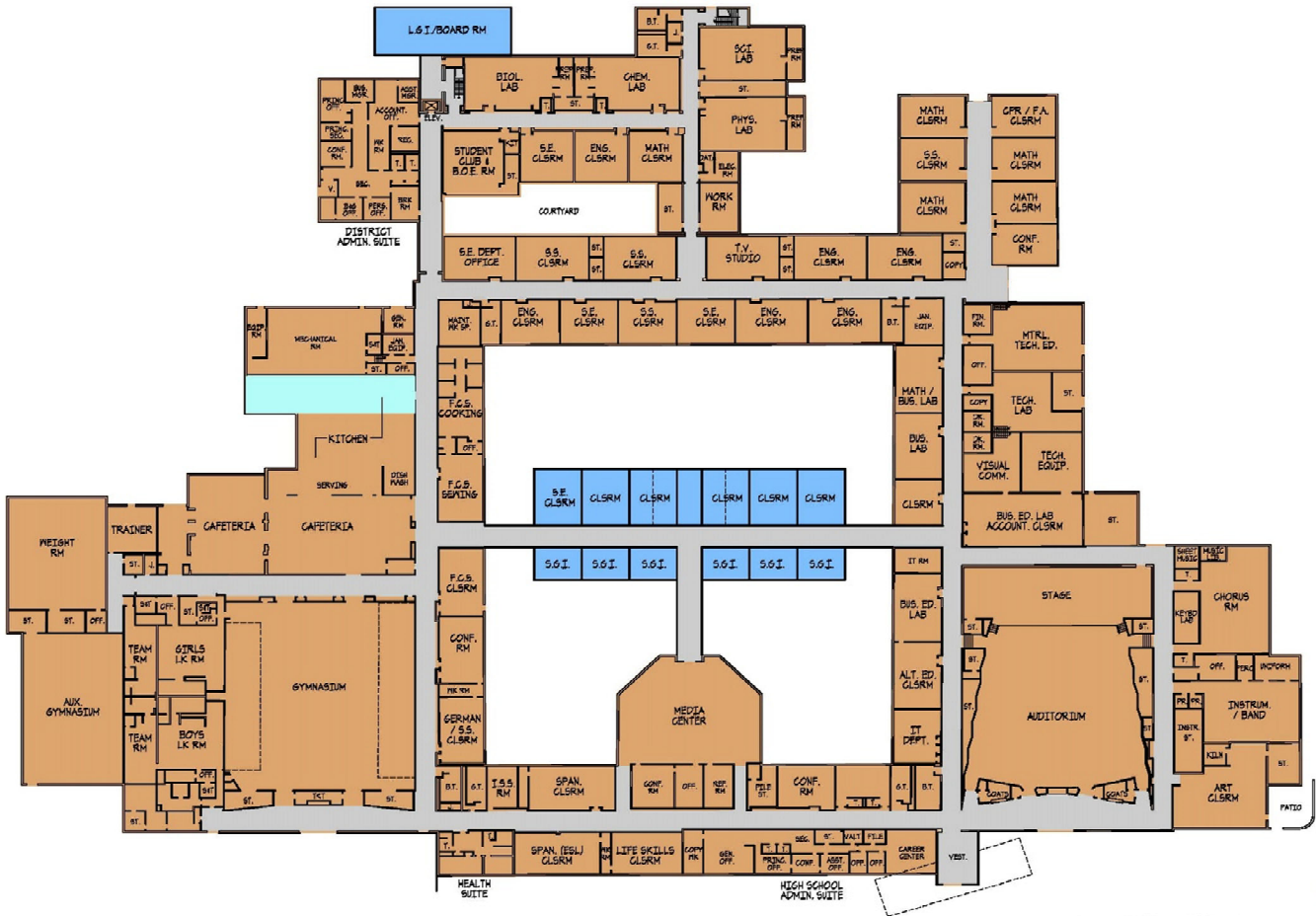
K-4 Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8 Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required

9-12 Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



High School - First Floor Plan



- EXISTING
- RENOVATION
- ADDITION
- EXISTING ALTERATION

OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4

**Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required**

5-8

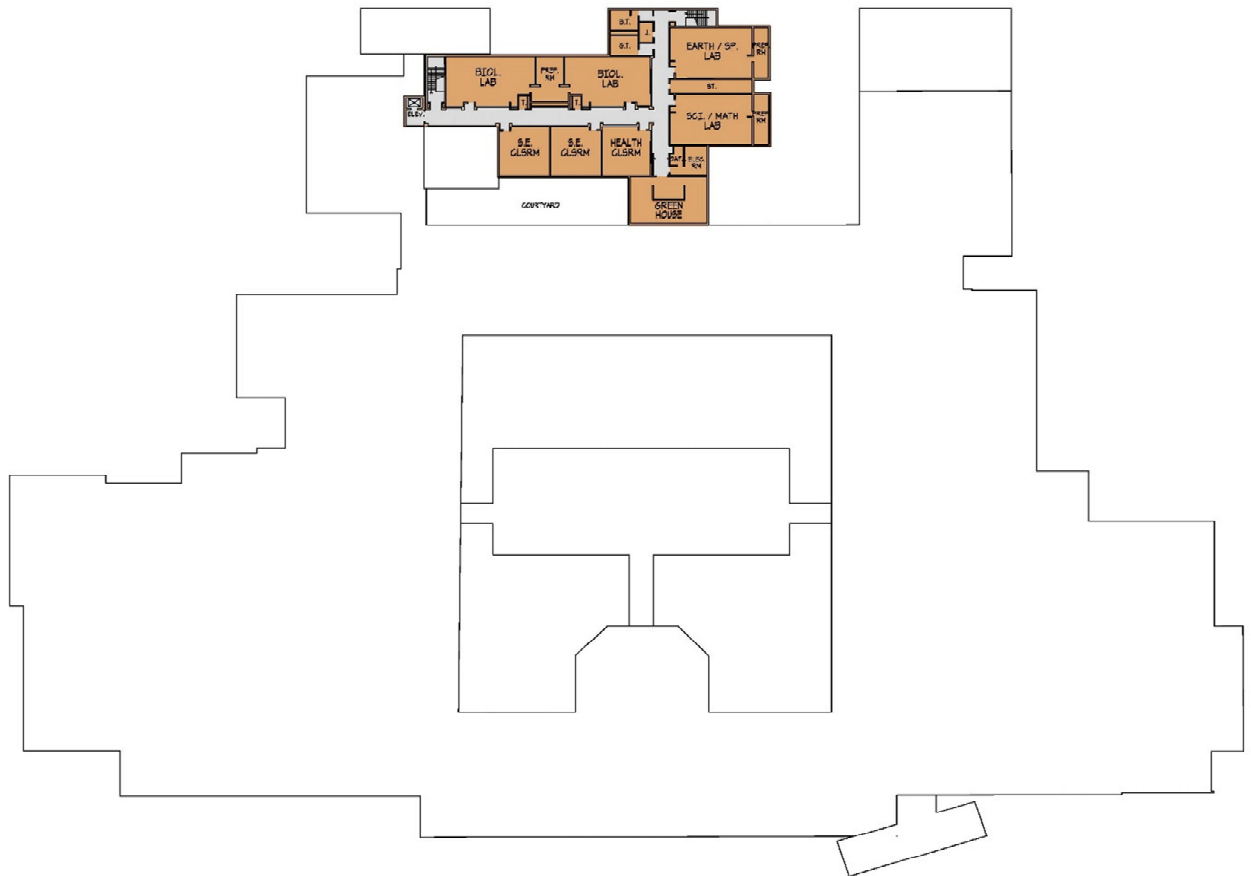
**Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required**

9-12

**Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required**



High School - Second Floor Plan



- EXISTING RENOVATION
- ADDITION
- EXISTING ALTERATION

PROJECTED OPTION COSTS

OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4	Maintain K-4 Schuylkill Valley Elementary School Recommended Alterations & Additions as required
5-8	Maintain 5-8 Schuylkill Valley Middle School Recommended Alterations & Additions as required
9-12	Maintain 9-12 Schuylkill Valley High School Recommended Alterations & Additions as required

	PDE Adj. New		* Reimb. Factor	Max Elig. Reimb.	Constr. New S.F.	Constr. Cost for Additions	Renov. Exist. S.F.	Renov. Study Cost	Alterations & Site Cost	Total Constr. Cost
K-4 E.S.	1,145	0	4,700	0	32,000	8,000,000	112,000	11,005,300	235,000	19,600,300
	* LEED		470	0				360,000		
K-4 Total				\$0	32,000	\$8,000,000	112,000	\$11,365,300	\$235,000	\$19,600,300
5-8 M.S.	489	0	4,700	0	18,000	4,950,000	152,000	6,853,100	200,000	12,003,100
	* LEED		470	0						
5-8 Total				\$0	18,000	\$4,950,000	152,000	\$6,853,100	\$200,000	\$12,003,100
9-12 H.S.	0	0	4,700	0	15,000	4,125,000	182,000	11,544,800	195,000	15,864,800
	* LEED		470	0						
9-12 Total				\$0	15,000	\$4,125,000	182,000	\$11,544,800	\$195,000	\$15,864,800
Campus Site	0	0	4,700	0		0		2,451,600	0	2,451,600
	* LEED		470	0						
Campus Site Total				\$0	0	\$0	0	\$2,451,600	\$0	\$2,451,600
K-12 Sub-Total				\$0	65,000	\$17,075,000	446,000	\$32,214,800	\$630,000	\$49,919,800

C. M. C.	C. M. C. (Construction Market Contingency)								1,280,000	
CMC Total				\$0	0	\$0	0	\$0	\$0	\$1,280,000
K-12 Total				\$0	65,000	\$17,075,000	446,000	\$32,214,800	\$630,000	\$51,199,800

Notes: + Annual Total Share based upon a 4% 25-year bond issue rate.

** Additional Gymnasium area for Option 1: \$2,500,000 T.C.C. = \$3,125,000 T.P.C.

OPTION 1

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	
24,500,000	0.0000	0.4426	0.00%	100.00%	1,568,200	0	1,568,200	K-4 E.S.
\$24,500,000					\$1,568,200	\$0	\$1,568,200	K-4 Total
15,004,000	0.0000	0.4426	0.00%	100.00%	960,500	0	960,500	5-8 M.S.
\$15,004,000					\$960,500	\$0	\$960,500	5-8 Total
19,831,000	0.0000	0.4426	0.00%	100.00%	1,269,300	0	1,269,300	9-12 H.S.
\$19,831,000					\$1,269,300	\$0	\$1,269,300	9-12 Total
3,065,000	0.0000	0.4426	0.00%	100.00%	196,200	0	196,200	Campus Site
\$3,065,000					\$196,200	\$0	\$196,200	Campus Site Total
\$62,400,000					\$3,994,200	\$0	\$3,994,200	K-12 Sub-Total
1,600,000	0.0000	0.6959	0.00%	100.00%	102,500	0	102,500	C. M. C.
\$1,600,000					\$102,500	\$0	\$102,500	CMC Total
\$64,000,000					\$4,096,700	\$0	\$4,096,700	K-12 Total

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3	E.S. building grade re-alignment to K-3 Elementary School Recommended Alterations & Additions as required
4-5	Construct New 4-5 Intermediate School Building (Relocate 4th grade from E.S. & 5th grade from M.S.)
6-8	M.S. building grade re-alignment to 6-8 Middle School Recommended Alterations as required
9-12	Maintain 9-12 Schuylkill Valley High School Recommended Alterations & Additions as required

OPTION PROS & CONS

Pros

- Provides educational program upgrades for each grade structure.
- Capacity adequate for the projected student population.
- Less addition / construction at existing schools.
- Provides views, daylight, and security for the new administration suite at E.S.
- Provides additional L.G.I. / Board Room at H.S. / D.A.O.
- Simplify busing at E.S. and new I.S.
- Least disruption during construction.

Cons

- Four buildings on site. High operational expenses.
- Expensive option.


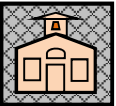


PROGRAM SUMMARY

OPTION 2

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3	E.S. building grade re-alignment to K-3 Elementary School Recommended Alterations & Additions as required
4-5	Construct New 4-5 Intermediate School Building (Relocate 4th grade from E.S. & 5th grade from M.S.)
6-8	M.S. building grade re-alignment to 6-8 Middle School Recommended Alterations as required
9-12	Maintain 9-12 Schuylkill Valley High School Recommended Alterations & Additions as required

OPTION EDUCATIONAL PROGRAM

Building	Proposed Work	Proposed Grade Alignment	Student Enroll. Design	** Capacity		Highest Projected Enrollment for Reimbursement	
				District Functional	PDE Total	Methods I & II	Current + 10% *
	Grade Re-alignment		K-3	792	1000	714	699
	Elementary School	Alterations & Additions					
K-3 TOTAL			800	792	1,000	714	699
			900			Method II	2019
	Grade Re-alignment		4-5	396	500	374	366
	Intermediate School	New Construction					
4-5 TOTAL			400	396	500	374	366
			450			Method II	2018
	Grade Re-alignment		6-8	634	847	600	567
	Middle School	Alterations No Additions					
6-8 TOTAL			600	634	847	600	567
			675			Method II	2019
	Maintain Grades		9-12	804	1,034	750	700
	High School	Alterations & Additions					
9-12 TOTAL			800	804	1,034	750	700
			900			Method I	2019
K-12 TOTAL			2,600	2,626	3,381	2,428	2,322
			2,925			Method II	2019

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

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

OPTION COST SUMMARY

OPTION 2

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-5

Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)





6-8

M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required

OPTION COST SUMMARY

Building	Constr. Cost for Additions	Renov. Study Cost	Alterations Demo & Site Cost	Total Constr. Cost	Total Project Cost	+ Annual Total Share
 K-3 E.S.	1,925,000	11,365,300	100,000	13,390,300	16,738,000	1,071,500
K-3 Total	\$1,925,000	\$11,365,300	\$100,000	\$13,390,300	\$16,738,000	\$1,071,500
 4-5 I.S.	18,000,000	0	0	18,000,000	22,500,000	1,440,200
4-5 Total	\$18,000,000	\$0	\$0	\$18,000,000	\$22,500,000	\$1,440,200
 6-8 M.S.	0	6,853,100	0	6,853,100	8,566,000	548,200
6-8 Total	\$0	\$6,853,100	\$0	\$6,853,100	\$8,566,000	\$548,200
 9-12 H.S.	4,125,000	11,544,800	195,000	15,864,800	19,831,000	1,269,300
9-12 Total	\$4,125,000	\$11,544,800	\$195,000	\$15,864,800	\$19,831,000	\$1,269,300
Campus Site	0	2,451,600	0	2,451,600	3,065,000	196,200
Site Total	\$0	\$2,451,600	\$0	\$2,451,600	\$3,065,000	\$196,200
K-12 Sub-Total	\$24,050,000	\$32,214,800	\$295,000	\$56,559,800	\$70,700,000	\$4,525,400
CMC Total	\$0	\$0	\$0	\$1,280,000	\$1,600,000	\$102,500
K-12 Total	\$24,050,000	\$32,214,800	\$295,000	\$57,839,800	\$72,300,000	\$4,627,900

Notes: + Annual Total Share based upon a 4% 25-year bond issue rate.

PROPOSED ROOM SCHEDULE

		K-4 Existing					Proposed K-3 Opt. 2					Proposed 4-5 Opt. 2				
	EDUCATIONAL SPACE	Elementary School					Elementary School					Intermediate School				
		No	Area	Total	Dist.	PDE	No.	Area	Total	Dist.	PDE	No	Area	Total	Dist.	PDE
CLSRMS	Full Day Kindergarten	7	790	5530	154	175	9	790	7110	198	225					
	First Grade Clsrm	8	780	6240	176	200	9	780	7020	198	225					
	Second Grade Clsrm	7	780	5460	154	175	9	780	7020	198	225					
	Third Grade Clsrm	7	780	5460	154	175	9	780	7020	198	225					
	Fourth Grade Clsrm	7	780	5460	154	175						8	780	6240	176	200
	Fifth Grade Clsrm											8	780	6240	176	200
	Sixth Grade Clsrm															
	Seventh Grade Clsrm															
SUPPORT	Eighth Grade Clsrm															
	Support Clsrm	3	780	2340	66	75	4	800	3200	88	100	2	780	1560	44	50
	Support Clsrm (Divided)						4	800	3200			2	780	1560		
	Pre-K / Head Start Clsrm	1	780	780			1	780	780							
	Special Educ / Gifted Clsrm	6	765	4590			6	765	4590			3	780	2340		
	S.E. Seminar / S.G.I.	5	360	1800			5	360	1800							
	Title 1 / I.U. Clsrm	1	780	780			1	780	780			1	780	780		
	Seminar / S.G.I. / Media															
	Large Group / L.G.I.	1	1395	1395			1	1395	1395			1	1400	1400		
	Student Commons / L.G.I.	1	2565	2565			1	2565	2565							
	Science Lab											2	1000	2000	44	50
	Science Lab															
	Science Proj Room															
	Computer Lab															
	Art Classroom	1	1000	1000			1	1000	1000			1	1000	1000		
	Music / Band / Choral	1	680	680			1	680	680			1	1400	1400		
	Music / Band / Choral	2	725	1450			2	725	1450							
	Music / Band / Choral															
F.C.S. Lab																
S.T.E.A.M. Lab	1	930	930			1	930	930			1	1000	1000			
Tech Comp. / Lecture																
Tech Lab																
T.V. Studio																
ANCILLARY / CORE AREAS	Media Center	1	2980	2980			1	2980	2980			1	1600	1600		
	Gymnasium	1	5760	5760			1	5760	5760			1	6500	6500		
	Natatorium															
	Wrestling Room / Aux Gym															
	Training Room															
	Locker Room (Natatorium)															
	Locker Room (Boys)	1	595	595			1	595	595			1	600	600		
	Locker Room (Girls)	1	595	595			1	595	595			1	600	600		
	Officials / P.E. Off. / Coach	1	405	405			1	405	405			2	175	350		
	Stage / Platform	1	945	945			1	945	945			1	1200	1200		
	Student Dining	1	4595	4595			1	4595	4595			1	2500	2500		
	Kitchen Areas	1	4170	4170			1	4170	4170			1	2000	2000		
	Administration / Guidance	1	3205	3205			1	3600	3600			1	1800	1800		
	Health Suite	1	865	865			1	865	865			1	800	800		
	In-School Suspension															
	Faculty Dining / Workroom	1	875	875			1	875	875			1	800	800		
Faculty / I.P.C.	3	375	1125			3	375	1125			2	400	800			
Functional Capacity				792	900				792	900				396	450	
Total Capacity				858	975				880	1000				440	500	
Scheduled Area			72,575					77,050					45,070			
Architectural Area			112,000					119,000					72,000			
New Architectural Area								7,000					72,000			
Enrollment				791					800-900					400-450		

K-3 ES & 4-5 IS & 6-8 MS -- OPTION 2

5-8 Existing					Proposed 6-8 Opt 2							
Middle School					Middle School							
No.	Area	Total	District	PDE	No.	Area	Total	Dist.	PDE			
										Full Day Kindergarten	CLSRMS	
										First Grade Clsrm		
										Second Grade Clsrm		
										Third Grade Clsrm		
										Fourth Grade Clsrm		
										Fifth Grade Clsrm		
										Sixth Grade Clsrm		
										Seventh Grade Clsrm		
5	765	3825	125	125						Eighth Grade Clsrm		
5	765	3825	125	125	7	765	5355	175	175			
6	715	4290	150	150	7	740	5180	175	175			
6	740	4440	150	150	7	765	5355	175	175			
3	780	2340	75	75	3	780	2340			Support Clsrm	SUPPORT	
					2	920	1840			Support Clsrm (Divided)		
7	755	5285			7	755	5285			Pre-K / Head Start Clsrm		
2	535	1070			2	535	1070			Special Educ / Gifted Clsrm		
1	565	565			1	565	565			S.E. Seminar / S.G.I.		
1	3050	3050			1	3050	3050			Title 1 / I.U. Clsrm		
										Seminar / S.G.I. / Media		
										Large Group / L.G.I.		
										Student Commons / L.G.I.		
1	1355	1355	20	20						Science Lab		
3	1150	3450	60	60	3	1150	3450	60	60	Science Lab		
4	240	960			4	240	960			Science Proj Room		
1	725	725	20	20	1	725	725	20	20	Computer Lab		
1	2130	2130	20	20	1	2130	2130	20	20	Art Classroom		
1	745	745	25	25	1	745	745	25	25	Music / Band / Choral		
1	1985	1985	25	25	1	1985	1985	25	25	Music / Band / Choral		
1	2070	2070	25	25	1	2070	2070	25	25	Music / Band / Choral		
1	2065	2065	20	20	1	2065	2065	20	20	F.C.S. Lab		
4	875	3500	80	80	4	875	3500	80	80	S.T.E.A.M. Lab		
1	2725	2725	20	20	1	2725	2725	20	20	Tech Comp. / Lecture		
1	1355	1355	20	20	1	1355	1355	20	20	Tech Lab		
1	215	215			1	215	215			T.V. Studio		
1	4050	4050			1	4050	4050			Media Center	ANCILLARY / CORE AREAS	
1	7535	7535	66	66	1	7535	7535	66	66	Gymnasium		
1	6540	6540	32	32	1	6540	6540	32	32	Natorium		
1	1605	1605			1	1605	1605			Wrestling Room / Aux Gym		
1	1505	1505			1	1505	1505			Training Room		
2	810	1620			2	810	1620			Locker Room (Natatorium)		
1	2205	2205			1	2205	2205			Locker Room (Boys)		
1	1515	1515			1	1515	1515			Locker Room (Girls)		
7	95	665			7	95	665			Officials / P.E. Off. / Coach		
1	2030	2030			1	2030	2030			Stage / Platform		
1	5220	5220			1	5220	5220			Student Dining		
1	2990	2990			1	2990	2990			Kitchen Areas		
1	3135	3135			1	3135	3135			Administration / Guidance		
1	725	725			1	725	725			Health Suite		
1	265	265			1	265	265			In-School Suspension		
5	375	1875			5	375	1875			Faculty Dining / Workroom		
1	85	85			1	85	85			Faculty / I.P.C.		
			718	923				634	815	Functional Capacity		
			750	955				666	847	Total Capacity		
		95,535					95,530			Scheduled Area		
		152,000					152,000			Architectural Area		
							0			New Architectural Area		
			684				600-675			Enrollment		

PROPOSED ROOM SCHEDULE

9-12 HS -- OPTION 2

		9-12 Existing					Proposed 9-12 Opt. 1 & 2					
	EDUCATIONAL SPACE	High School					High School					
		No.	Area	Total	District	PDE	No.	Area	Total	District	PDE	
CLSRMS	Seventh Grade Clsrm											CLSRMS
	Eighth Grade Clsrm											
	Math Clsrm	5	790	3950	125	125	5	790	3950	125	125	
	Social Studies Clsrm	5	835	4175	125	125	5	835	4175	125	125	
	English Clsrm	6	850	5100	150	150	6	850	5100	150	150	
	Spanish Classroom (ESL)	2	1035	2070	50	50	2	1035	2070	50	50	
	German / Soc Studies Clsrm	1	815	815	25	25	1	815	815	25	25	
	Support Clsrm / Health	2	730	1460	50	50	5	800	4000	125	125	
	Support Clsrm (Divided)						2	800	1600			
SUPPORT	Special Educ / Gifted Clsrm	6	755	4530			7	800	5600			SUPPORT
	Alternative Ed Clsrm	1	880	880	20	20	1	880	880	20	20	
	Seminar / S.G.I. / Media / Conf						6	250	1500	(eq. 2 clrms)		
	Large Group / L.G.I.	1	1075	1075			1	1075	1075			
	Student Commons / L.G.I.						1	1600	1600	(divided)		
	Science Lab	8	1275	10200	160	160	8	1275	10200	160	160	
	Science Proj Room	1	430	430			1	430	430			
	Science Proj Room	6	215	1290			6	215	1290			
	Greenhouse	1	1125	1125			1	1125	1125			
	Business / Accounting Lab	1	1780	1780	20	20	1	1780	1780	20	20	
	Computer Lab / Bus. Clsrm	3	895	2685	60	60	3	895	2685	60	60	
	Art Classroom	1	1805	1805	20	20	1	1805	1805	20	20	
	Music / Keyboard	1	365	365			1	365	365			
	Music / Band / Choral	1	1665	1665	25	25	1	1665	1665	25	25	
	Music / Band / Choral	1	1985	1985	25	25	1	1985	1985	25	25	
	Music Practice	2	50	100			2	50	100			
	Music Office	1	365	365			1	365	365			
F.C.S. Lab & Nutrition Lecture	3	945	2835	60	60	3	945	2835	60	60		
S.T.E.A.M. Lab / T.E. Lab	2	3210	6420	40	40	2	3210	6420	40	40		
T.V. Studio	1	895	895	20	20	1	895	895	20	20		
ANCILLARY / CORE AREAS	Media Center	1	3815	3815			1	3815	3815			ANCILLARY / CORE AREAS
	Gymnasium	1	10190	10190	66	66	1	10190	10190	66	66	
	Wrestling Room / Aux Gym	1	4295	4295	33	33	1	4295	4295	33	33	
	Weight Room	1	3090	3090			1	3090	3090			
	Training Room	1	640	640			1	640	640			
	Locker Rm - Nat. / Team Rm	2	735	1470			2	735	1470			
	Locker Room (Boys)	1	1220	1220			1	1220	1220			
	Locker Room (Girls)	1	1220	1220			1	1220	1220			
	Officials / P.E. Office / Coach	1	250	250			1	250	250			
	P.E. Office / Coach	3	120	360			3	120	360			
	Auditorium	1	7410	7410			1	7410	7410			
	Stage / Platform	1	3030	3030			1	3030	3030			
	Student Dining	1	5220	5220			1	5220	5220			
	Kitchen Areas	1	2910	2910			1	4000	4000			
	Administration / Guidance	1	3145	3145			1	3145	3145			
	Health Suite	1	900	900			1	900	900			
	In-School Suspension	1	355	355			1	355	355			
	Faculty / Workroom / Conf	3	755	2265			3	755	2265			
	Faculty / I.P.C. / Work / Office	3	350	1050			3	350	1050			
District Admin Offices	1	5525	5525			1	5525	5525				
	Functional Capacity			752	967				804	1034		
	Total Capacity			752	967				804	1034		
	Scheduled Area		116,360				125,760					
	Architectural Area		182,000				197,000					
	New Architectural Area						15,000					
	Enrollment			636					800-900			

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-5

Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)

6-8

M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required




9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



K-3 Elementary School - Site Plan



-  EXISTING RENOVATION
-  ADDITION
-  EXISTING ALTERATION

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-5

Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)

6-8

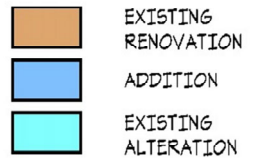
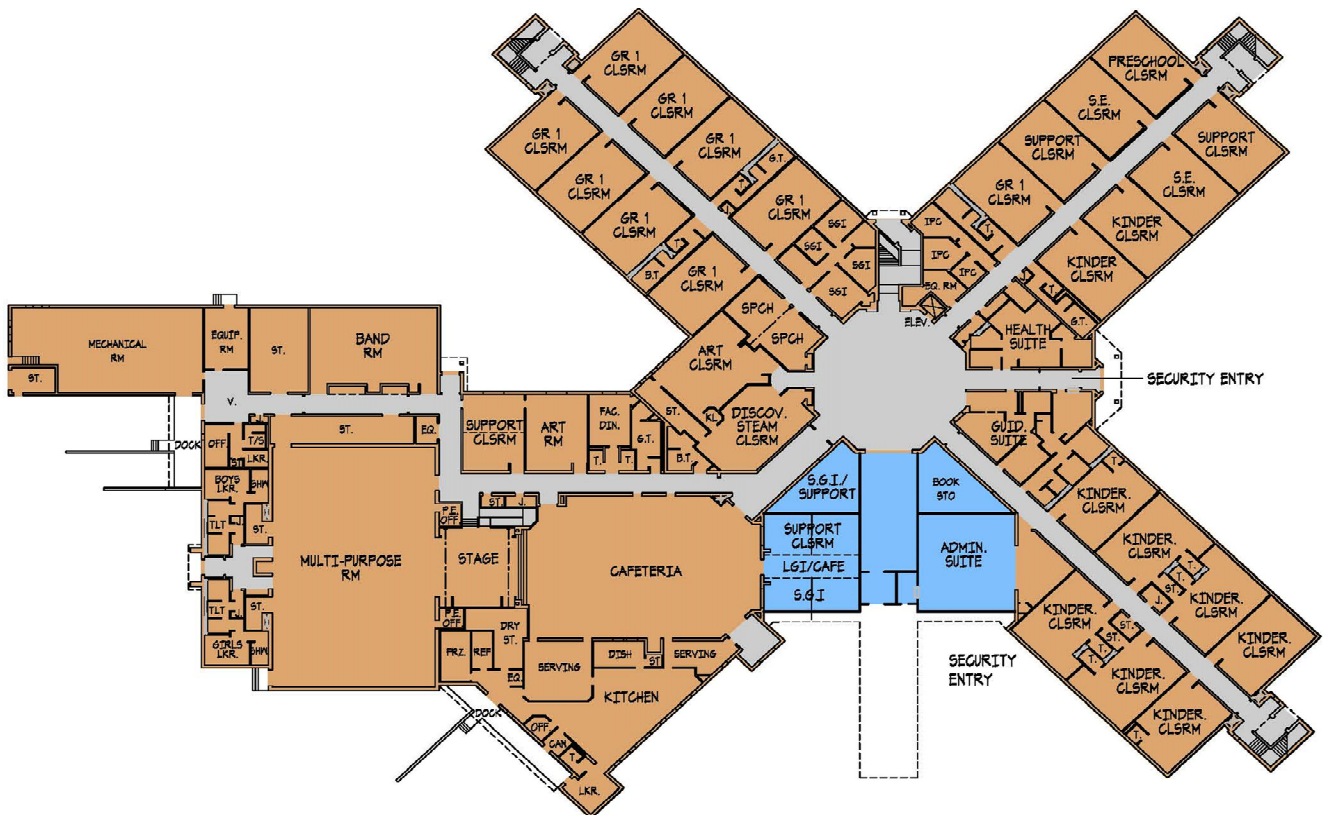
M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



K-3 Elementary School - First Floor Plan



OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-5

Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)

6-8

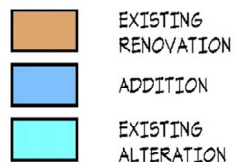
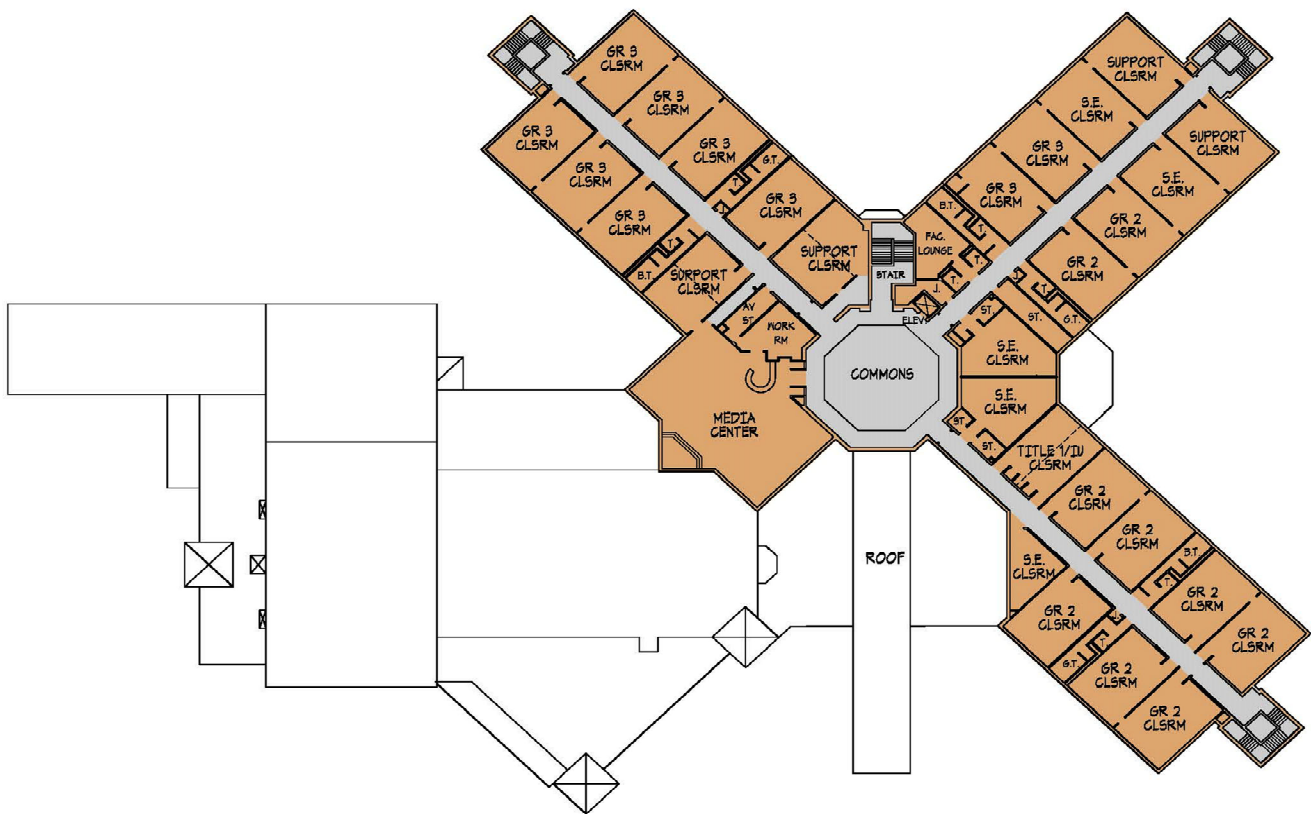
M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



K-3 Elementary School - Second Floor Plan



OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

**E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required**

4-5

**Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)**

6-8

**M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required**

9-12

**Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required**



New 4-5 Intermediate School - Site Plan



- EXISTING RENOVATION
- ADDITION
- EXISTING ALTERATION

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

**E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required**

4-5

**Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)**

6-8

**M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required**

9-12

**Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required**



Middle School - Site Plan



- EXISTING RENOVATION
- ADDITION
- EXISTING ALTERATION

CONCEPTUAL DESIGN

6-8 -- OPTION 2

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

**E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required**

4-5

**Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)**

6-8

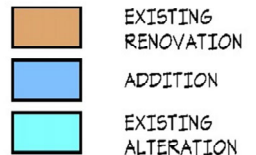
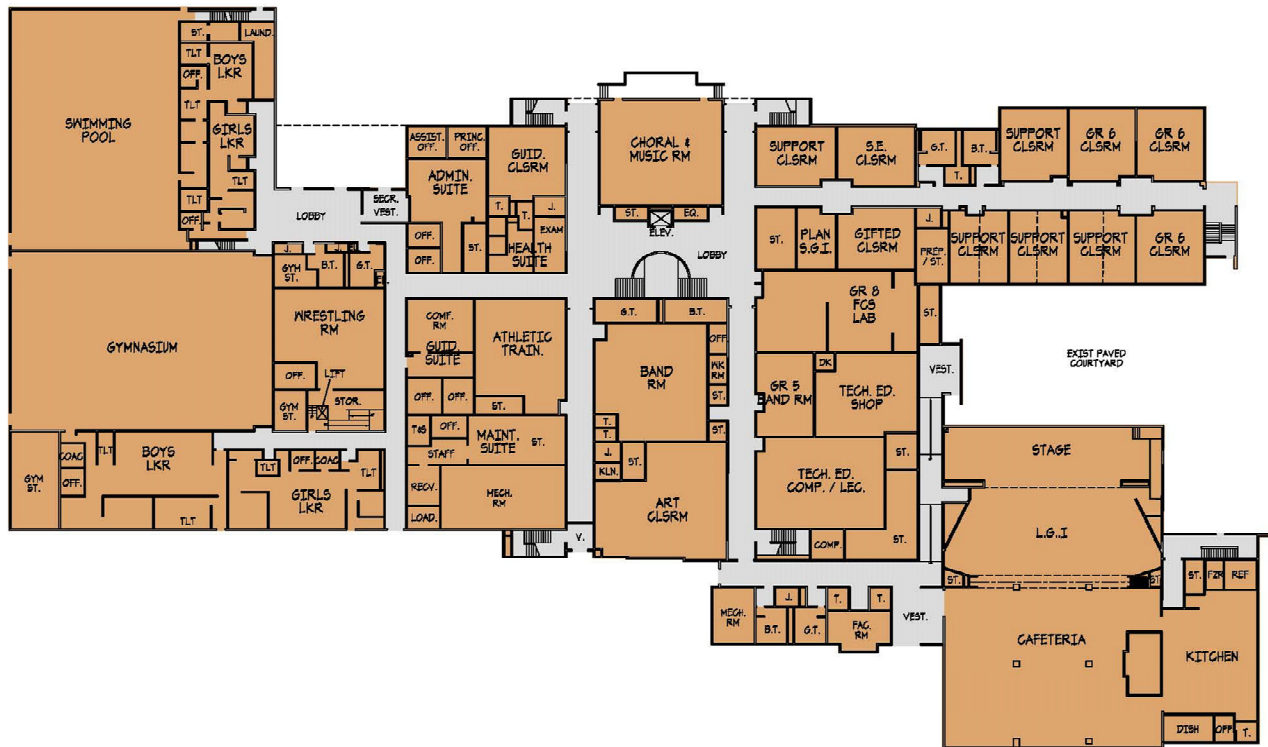
**M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required**

9-12

**Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required**



Middle School - First Floor Plan



OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-5

Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)

6-8

M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



Middle School - Second Floor Plan



OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-5

Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)

6-8

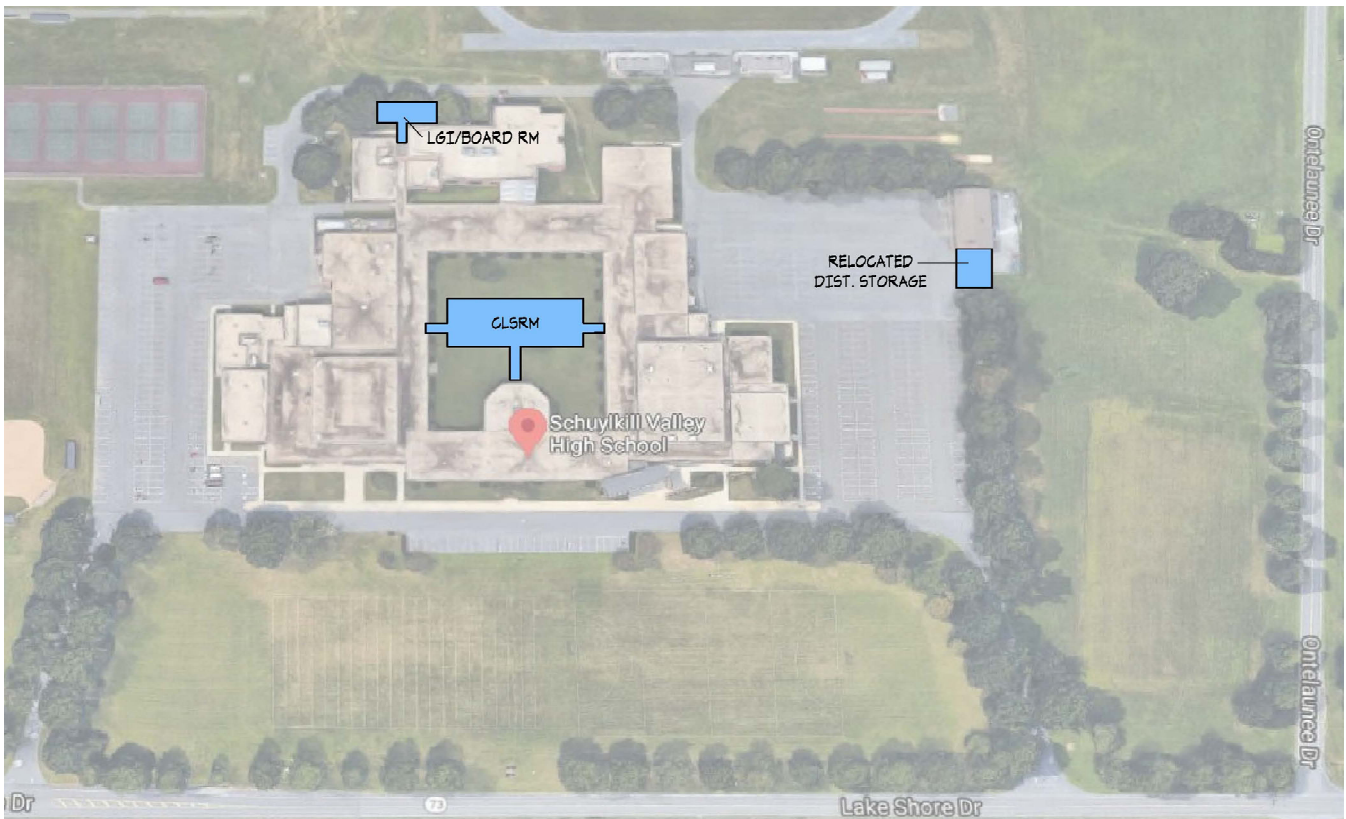
M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required




9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



High School - Site Plan



-  EXISTING RENOVATION
-  ADDITION
-  EXISTING ALTERATION

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-5

Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)

6-8

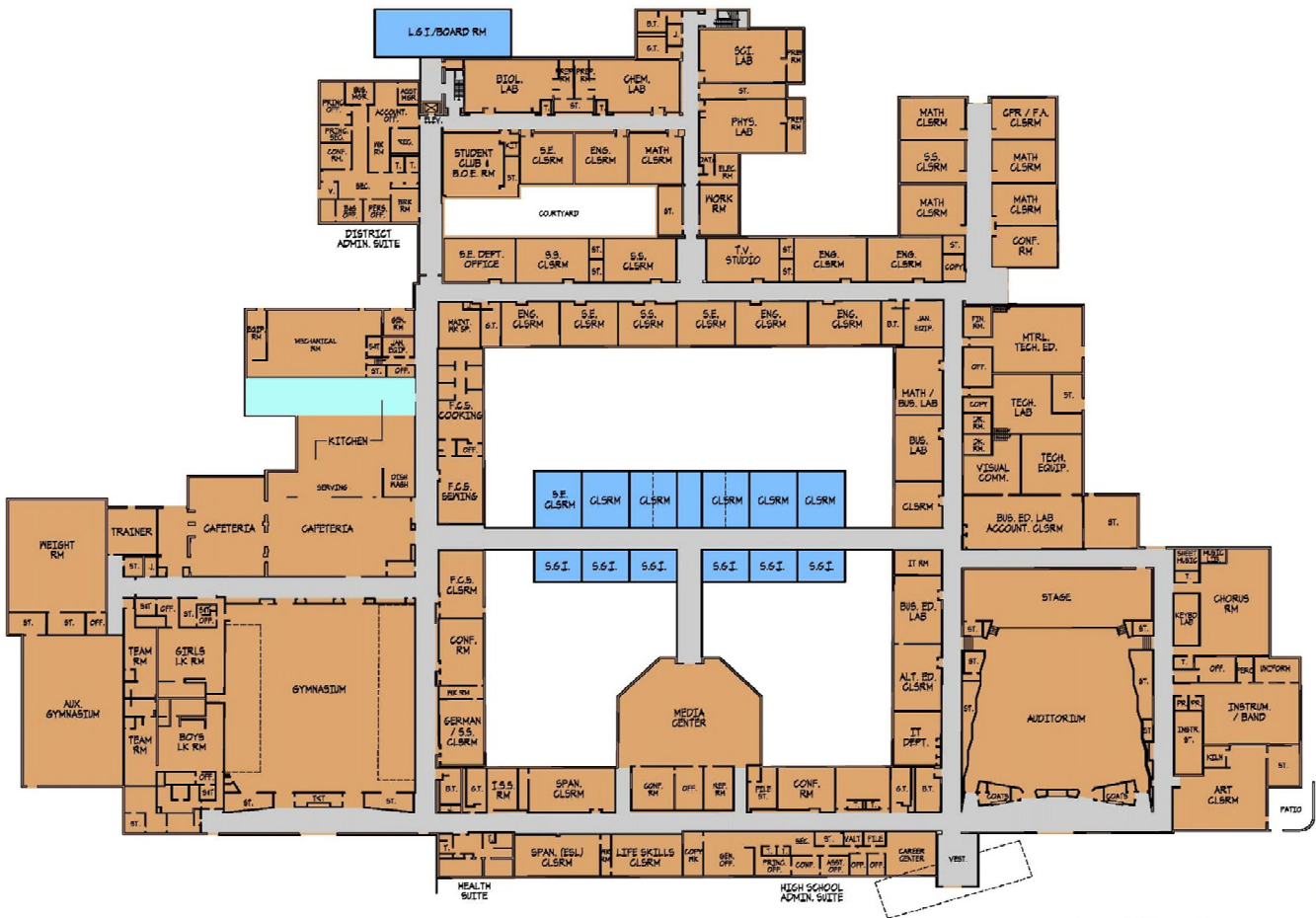
M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required



High School - First Floor Plan



	EXISTING
	RENOVATION
	ADDITION
	EXISTING ALTERATION

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

**E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required**

4-5

**Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)**

6-8

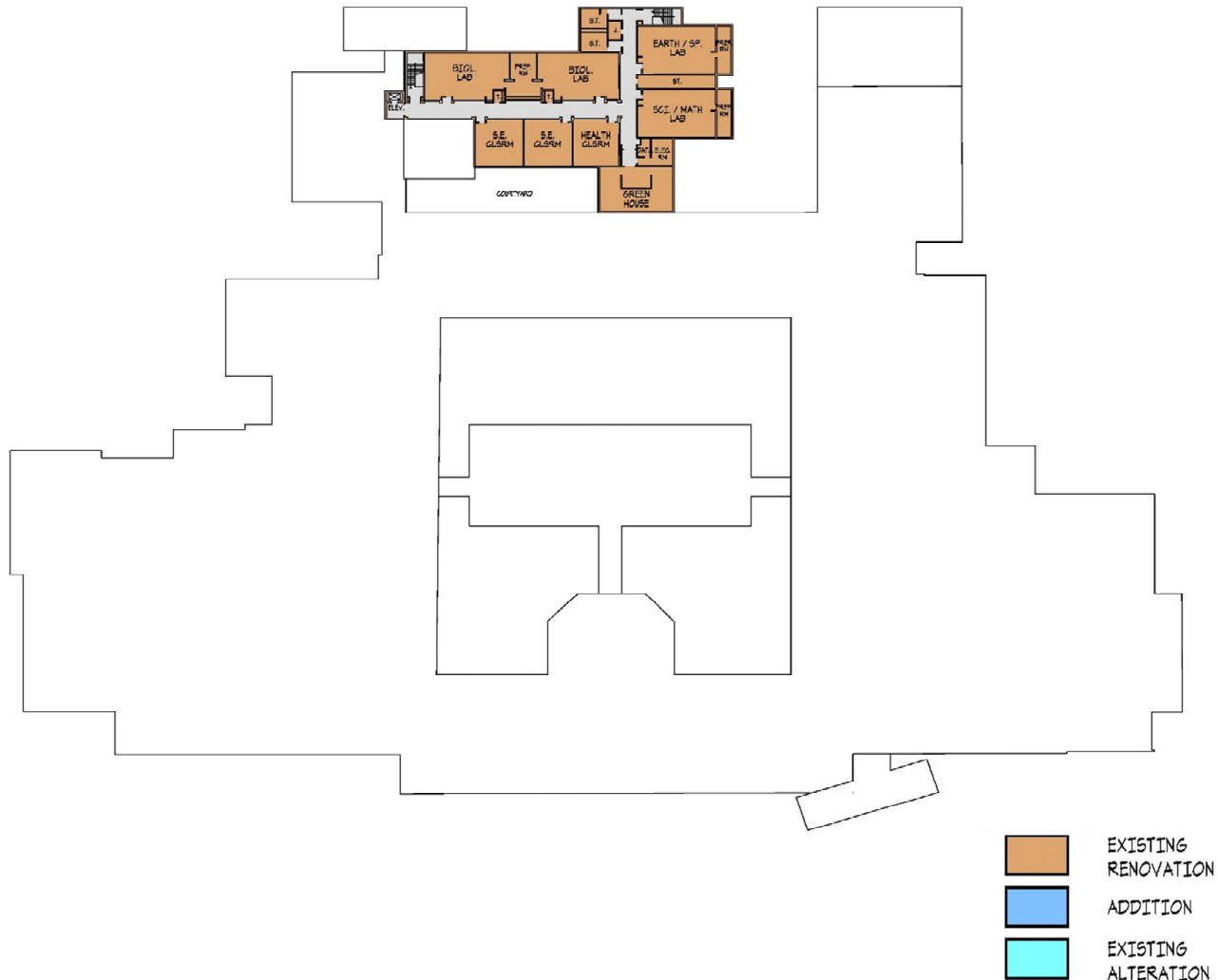
**M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required**

9-12

**Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required**



High School - Second Floor Plan



PROJECTED OPTION COSTS

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3	E.S. building grade re-alignment to K-3 Elementary School Recommended Alterations & Additions as required
4-5	Construct New 4-5 Intermediate School Building (Relocate 4th grade from E.S. & 5th grade from M.S.)
6-8	M.S. building grade re-alignment to 6-8 Middle School Recommended Alterations as required
9-12	Maintain 9-12 Schuylkill Valley High School Recommended Alterations & Additions as required

	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	Alterations & Site Cost	Total Constr. Cost
K-3 E.S.	1,145	0	4,700	0	7,000	1,925,000	112,000	11,005,300	100,000	13,390,300
	* LEED		470	0				360,000		
K-3 Total				\$0	7,000	\$1,925,000	112,000	\$11,365,300	\$100,000	\$13,390,300
4-5 I.S.	1,145	0	4,700	0	72,000	18,000,000	0	0	0	18,000,000
4-5 Total				\$0	72,000	\$18,000,000	0	\$0	\$0	\$18,000,000
6-8 M.S.	489	0	4,700	0	0	0	152,000	6,853,100	0	6,853,100
6-8 Total				\$0	0	\$0	152,000	\$6,853,100	\$0	\$6,853,100
9-12 H.S.	0	0	4,700	0	15,000	4,125,000	182,000	11,544,800	195,000	15,864,800
9-12 Total				\$0	15,000	\$4,125,000	182,000	\$11,544,800	\$195,000	\$15,864,800
Campus	0	0	4,700	0		0		2,451,600	0	2,451,600
Campus Site Total				\$0	0	\$0	0	\$2,451,600	\$0	\$2,451,600
K-12 Sub-Total				\$0	94,000	\$24,050,000	446,000	\$32,214,800	\$295,000	\$56,559,800

C. M. C.	C. M. C. (Construction Market Contingency)								1,280,000	
CMC Total				\$0	0	\$0	0	\$0	\$0	\$1,280,000
K-12 Total				\$0	94,000	\$24,050,000	446,000	\$32,214,800	\$295,000	\$57,839,800

Notes: + Annual Total Share based upon a 4% 25-year bond issue rate.

OPTION 2

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	
16,738,000	0.0000	0.4426	0.00%	100.00%	1,071,500	0	1,071,500	K-3 E.S.
\$16,738,000					\$1,071,500	\$0	\$1,071,500	K-3 Total
22,500,000	0.0000	0.4426	0.00%	100.00%	1,440,200	0	1,440,200	4-5 I.S.
\$22,500,000					\$1,440,200	\$0	\$1,440,200	4-5 Total
8,566,000	0.0000	0.4426	0.00%	100.00%	548,200	0	548,200	6-8 M.S.
\$8,566,000					\$548,200	\$0	\$548,200	6-8 Total
19,831,000	0.0000	0.4426	0.00%	100.00%	1,269,300	0	1,269,300	9-12 H.S.
\$19,831,000					\$1,269,300	\$0	\$1,269,300	9-12 Total
3,065,000	0.0000	0.4426	0.00%	100.00%	196,200	0	196,200	Campus
\$3,065,000					\$196,200	\$0	\$196,200	Campus Site Total
\$70,700,000					\$4,525,400	\$0	\$4,525,400	K-12 Sub-Total

1,600,000	0.0000	0.6959	0.00%	100.00%	102,500	0	102,500	C. M. C.
\$1,600,000					\$102,500	\$0	\$102,500	CMC Total
\$72,300,000					\$4,627,900	\$0	\$4,627,900	K-12 Total

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.**K-3****E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required****4-6****M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required****7-12****H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required****OPTION PROS & CONS****Pros**

- Provides educational program upgrades for each grade structure.
- Capacity adequate for the projected student population.
- Less construction at E.S. and M.S. (most work consolidated at H.S.).
- Needed H.S. infrastructure renovations and the addition are combined as one project.
- Less expensive option.
- Provides views and daylight for the new administration suite and security improvement at main entry at E.S.
- Provides additional L.G.I. / Board Room at H.S. / D.A.O.

Cons

- Construction phasing and disruption of occupied H.S.
- Relocation of existing spaces in order to expand needed spaces at H.S.

PROGRAM SUMMARY

OPTION 3

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required




4-6

M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required

7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required

OPTION EDUCATIONAL PROGRAM

Building	Proposed Work	Proposed Grade Alignment	Student Enroll. Design	** Capacity		Highest Projected Enrollment for Reimbursement	
				District Functional	PDE Total	Methods I & II	Current + 10% *
	Grade Re-alignment Alterations & Additions	K-3		792	1000		
K-3 TOTAL			800 900	792	1,000	714 Method II	699 2019
	Grade Re-alignment Alterations No Additions	4-6		687	915		
4-6 TOTAL			600 675	687	915	571 Method II	557 2019
	Grade Re-alignment Alterations & Additions	7-12		1,207	1,552		
7-12 TOTAL			1,200 1,350	1,207	1,552	1,143 Method I	1,068 2018
K-12 TOTAL			2,600 2,925	2,686	3,467	2,428 Method II	2,322 2019

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

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

OPTION COST SUMMARY

OPTION 3

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required






4-6

M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required

7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required

OPTION COST SUMMARY

Building	Constr. Cost for Additions	Renov. Study Cost	Alterations Demo & Site Cost	Total Constr. Cost	Total Project Cost	+ Annual Total Share
  K-3 E.S.	1,925,000	11,365,300	100,000	13,390,300	16,738,000	1,071,500
K-3 Total	\$1,925,000	\$11,365,300	\$100,000	\$13,390,300	\$16,738,000	\$1,071,500
 4-6 M.S.	0	6,853,100	0	6,853,100	8,566,000	548,200
4-6 Total	\$0	\$6,853,100	\$0	\$6,853,100	\$8,566,000	\$548,200
  7-12 H.S.	17,000,000	11,544,800	280,000	28,824,800	36,031,000	2,306,300
7-12 Total	\$17,000,000	\$11,544,800	\$280,000	\$28,824,800	\$36,031,000	\$2,306,300
Campus Site	0	2,451,600	0	2,451,600	3,065,000	196,200
Site Total	\$0	\$2,451,600	\$0	\$2,451,600	\$3,065,000	\$196,200
K-12 Sub-Total	\$18,925,000	\$32,214,800	\$380,000	\$51,519,800	\$64,400,000	\$4,122,200
CMC Total	\$0	\$0	\$0	\$1,280,000	\$1,600,000	\$102,500
K-12 Total	\$18,925,000	\$32,214,800	\$380,000	\$52,799,800	\$66,000,000	\$4,224,700

Notes: + Annual Total Share based upon a 4% 25-year bond issue rate.

PROPOSED ROOM SCHEDULE

		K-4 Existing					Proposed K-3 Opt. 2 & 3				
	EDUCATIONAL SPACE	Elementary School					Elementary School				
		No.	Area	Total	District	PDE	No.	Area	Total	FTE	FTE
CLSRMS	Full Day Kindergarten	7	790	5530	154	175	9	790	7110	198	225
	First Grade Clsrm	8	780	6240	176	200	9	780	7020	198	225
	Second Grade Clsrm	7	780	5460	154	175	9	780	7020	198	225
	Third Grade Clsrm	7	780	5460	154	175	9	780	7020	198	225
	Fourth Grade Clsrm	7	780	5460	154	175					
	Fifth Grade Clsrm										
	Sixth Grade Clsrm										
	Seventh Grade Clsrm										
SUPPORT	Eighth Grade Clsrm										
	Support Clsrm	3	780	2340	66	75	4	800	3200	88	100
	Support Clsrm (Divided)						4	800	3200		
	Pre-K / Head Start Clsrm	1	780	780			1	780	780		
	Special Educ / Gifted Clsrm	6	765	4590			6	765	4590		
	S.E. Seminar / S.G.I.	5	360	1800			5	360	1800		
	Title 1 / I.U. Clsrm	1	780	780			1	780	780		
	Seminar / S.G.I. / Media										
	Large Group / L.G.I.	1	1395	1395			1	1395	1395		
	Student Commons / L.G.I.	1	2565	2565			1	2565	2565		
	Science Lab										
	Science Lab										
	Science Proj Room										
	Computer Lab										
	Art Classroom	1	1000	1000			1	1000	1000		
	Music / Band / Choral	1	680	680			1	680	680		
	Music / Band / Choral	2	725	1450			2	725	1450		
	Music / Band / Choral										
	F.C.S. Lab										
	S.T.E.A.M. Lab	1	930	930			1	930	930		
Tech Comp. / Lecture											
Tech Lab											
T.V. Studio											
ANCILLARY / CORE AREAS	Media Center	1	2980	2980			1	2980	2980		
	Gymnasium	1	5760	5760			1	5760	5760		
	Natorium										
	Wrestling Room / Aux Gym										
	Training Room										
	Locker Room (Natatorium)										
	Locker Room (Boys)	1	595	595			1	595	595		
	Locker Room (Girls)	1	595	595			1	595	595		
	Officials / P.E. Office / Coach	1	405	405			1	405	405		
	Stage / Platform	1	945	945			1	945	945		
	Student Dining	1	4595	4595			1	4595	4595		
	Kitchen Areas	1	4170	4170			1	4170	4170		
	Administration / Guidance	1	3205	3205			1	3600	3600		
	Health Suite	1	865	865			1	865	865		
	In-School Suspension										
	Faculty Dining / Workroom	1	875	875			1	875	875		
	Faculty / I.P.C.	3	375	1125			3	375	1125		
	Functional Capacity				792	900				792	900
	Total Capacity				858	975				880	1000
	Scheduled Area				72,575					77,050	
	Architectural Area				112,000					119,000	
	New Architectural Area									7,000	
	Enrollment				791					800-900	

K-3 ES & 4-6 MS -- OPTION 3

5-8 Existing					Proposed 4-6 Opt 3							
Middle School					Middle School							
No.	Area	Total	District	PDE	No.	Area	Total	FTE	FTE			
										Full Day Kindergarten First Grade Clsrm Second Grade Clsrm Third Grade Clsrm Fourth Grade Clsrm Fifth Grade Clsrm Sixth Grade Clsrm Seventh Grade Clsrm Eighth Grade Clsrm	CLSRMS	
5	765	3825	125	125	7	765	5355	175	175			
5	765	3825	125	125	7	740	5180	175	175			
6	715	4290	150	150	7	765	5355	175	175			
6	740	4440	150	150								
3	780	2340	75	75	3	780	2340	75	75			
					2	920	1840			Support Clsrm Support Clsrm (Divided) Pre-K / Head Start Clsrm Special Educ / Gifted Clsrm S.E. Seminar / S.G.I. Title 1 / I.U. Clsrm Seminar / S.G.I. / Media Large Group / L.G.I. Student Commons / L.G.I.	SUPPORT	
7	755	5285			7	755	5285			Science Lab Science Lab Science Proj Room Computer Lab Art Classroom Music / Band / Choral Music / Band / Choral Music / Band / Choral F.C.S. Lab S.T.E.A.M. Lab Tech Comp. / Lecture Tech Lab T.V. Studio	SUPPORT	
2	535	1070			2	535	1070					
1	565	565			1	565	565					
1	3050	3050			1	3050	3050					
1	1355	1355	20	20								
3	1150	3450	60	60	3	1150	3450	60	60			
4	240	960			4	240	960					
1	725	725	20	20	1	725	725	20	20			
1	2130	2130	20	20	1	2130	2130	20	20			
1	745	745	25	25	1	745	745	25	25			
1	1985	1985	25	25	1	1985	1985	25	25			
1	2070	2070	25	25	1	2070	2070	25	25			
1	2065	2065	20	20	1	2065	2065	20	20			
4	875	3500	80	80	4	875	3500	80	80			
1	2725	2725	20	20	1	2725	2725	20	20			
1	1355	1355	20	20	1	1355	1355	20	20			
1	215	215			1	215	215					
1	4050	4050			1	4050	4050			Media Center Gymnasium Natatorium Wrestling Room / Aux Gym Training Room Locker Room (Natatorium) Locker Room (Boys) Locker Room (Girls) Officials / P.E. Office / Coach Stage / Platform Student Dining Kitchen Areas Administration / Guidance Health Suite In-School Suspension Faculty Dining / Workroom Faculty / I.P.C.	ANCILLARY / CORE AREAS	
1	7535	7535	66	66	1	7535	7535	66	66			
1	6540	6540	32	32	1	6540	6540	32	32			
1	1605	1605			1	1605	1605					
1	1505	1505			1	1505	1505					
2	810	1620			2	810	1620					
1	2205	2205			1	2205	2205					
1	1515	1515			1	1515	1515					
7	95	665			7	95	665					
1	2030	2030			1	2030	2030					
1	5220	5220			1	5220	5220					
1	2990	2990			1	2990	2990					
1	3135	3135			1	3135	3135					
1	725	725			1	725	725					
1	265	265			1	265	265					
5	375	1875			5	375	1875					
1	85	85			1	85	85					
718				923	687				883	Functional Capacity		
750				955	719				915	Total Capacity		
95,535					95,530					Scheduled Area		
152,000					152,000					Architectural Area		
0					0					New Architectural Area		
684					600-675					Enrollment		

PROPOSED ROOM SCHEDULE

7-12 HS -- OPTION 3

		9-12 Existing				Proposed 7-12 Opt. 3					
	EDUCATIONAL SPACE	High School				High School					
CLSRMS	Seventh Grade Clsrm					7	800	5600	175	175	CLSRMS
	Eighth Grade Clsrm					7	800	5600	175	175	
	Math Clsrm	5	790	3950	125 125	5	790	3950	125	125	
	Social Studies Clsrm	5	835	4175	125 125	5	835	4175	125	125	
	English Clsrm	6	850	5100	150 150	6	850	5100	150	150	
	Spanish Classroom (ESL)	2	1035	2070	50 50	2	1035	2070	50	50	
	German / Soc Studies Clsrm	1	815	815	25 25	1	815	815	25	25	
	Support Clsrm / Health	2	730	1460	50 50	10	800	8000	250	250	
	Support Clsrm (Divided)					3	800	2400			
SUPPORT	Special Educ / Gifted Clsrm	6	755	4530		10	800	8000			SUPPORT
	Alternative Ed Clsrm	1	880	880	20 20	1	880	880	20	20	
	Seminar / S.G.I. / Media / Conf					6	250	1500	(eq. 2 clrms)		
	Large Group / L.G.I.	1	1075	1075		1	1075	1075			
	Student Commons / L.G.I.					1	1600	1600	(divided)		
	Science Lab	8	1275	10200	160 160	10	1275	12750	200	200	
	Science Proj Room	1	430	430		1	430	430			
	Science Proj Room	6	215	1290		8	215	1720			
	Greenhouse	1	1125	1125		1	1125	1125			
	Business / Accounting Lab	1	1780	1780	20 20	1	1780	1780	20	20	
	Computer Lab / Bus. Clsrm	3	895	2685	60 60	3	895	2685	60	60	
	Art Classroom	1	1805	1805	20 20	2	3005	6010	40	40	
	Music / Keyboard	1	365	365		1	365	365			
	Music / Band / Choral	1	1665	1665	25 25	1	1665	1665	25	25	
	Music / Band / Choral	1	1985	1985	25 25	1	1985	1985	25	25	
	Music Practice	2	50	100		2	50	100			
	Music Office	1	365	365		1	365	365			
F.C.S. Lab & Nutrition Lecture	3	945	2835	60 60	3	945	2835	60	60		
S.T.E.A.M. Lab / T.E. Lab	2	3210	6420	40 40	2	3210	6420	40	40		
T.V. Studio	1	895	895	20 20	1	895	895	20	20		
ANCILLARY / CORE AREAS	Media Center	1	3815	3815		1	3815	3815			ANCILLARY / CORE AREAS
	Gymnasium	1	10190	10190	66 66	1	10190	10190	66	66	
	Wrestling Room / Aux Gym	1	4295	4295	33 33	1	4295	4295	33	33	
	Weight Room	1	3090	3090		1	3090	3090			
	Training Room	1	640	640		1	640	640			
	Locker Rm - Nat. / Team Rm	2	735	1470		2	735	1470			
	Locker Room (Boys)	1	1220	1220		1	1220	1220			
	Locker Room (Girls)	1	1220	1220		1	1220	1220			
	Officials / P.E. Office / Coach	1	250	250		1	250	250			
	P.E. Office / Coach	3	120	360		3	120	360			
	Auditorium	1	7410	7410		1	7410	7410			
	Stage / Platform	1	3030	3030		1	3030	3030			
	Student Dining	1	5220	5220		1	7720	7720			
	Kitchen Areas	1	2910	2910		1	6000	6000			
	Administration / Guidance	1	3145	3145		1	3145	3145			
	Health Suite	1	900	900		1	900	900			
	In-School Suspension	1	355	355		1	355	355			
	Faculty / Workroom / Conf	3	755	2265		3	755	2265			
	Faculty / I.P.C. / Work / Office	3	350	1050		3	350	1050			
	District Admin Offices	1	5525	5525		1	5525	5525			
	Functional Capacity	752 967				1207 1552					
	Total Capacity	752 967				1207 1552					
	Scheduled Area	116,360				159,045					
	Architectural Area	182,000				248,500					
	New Architectural Area					68,000					
	Enrollment	636				1200-1350					

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-6

M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required




7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required



K-3 Elementary School - Site Plan



-  EXISTING RENOVATION
-  ADDITION
-  EXISTING ALTERATION

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-6

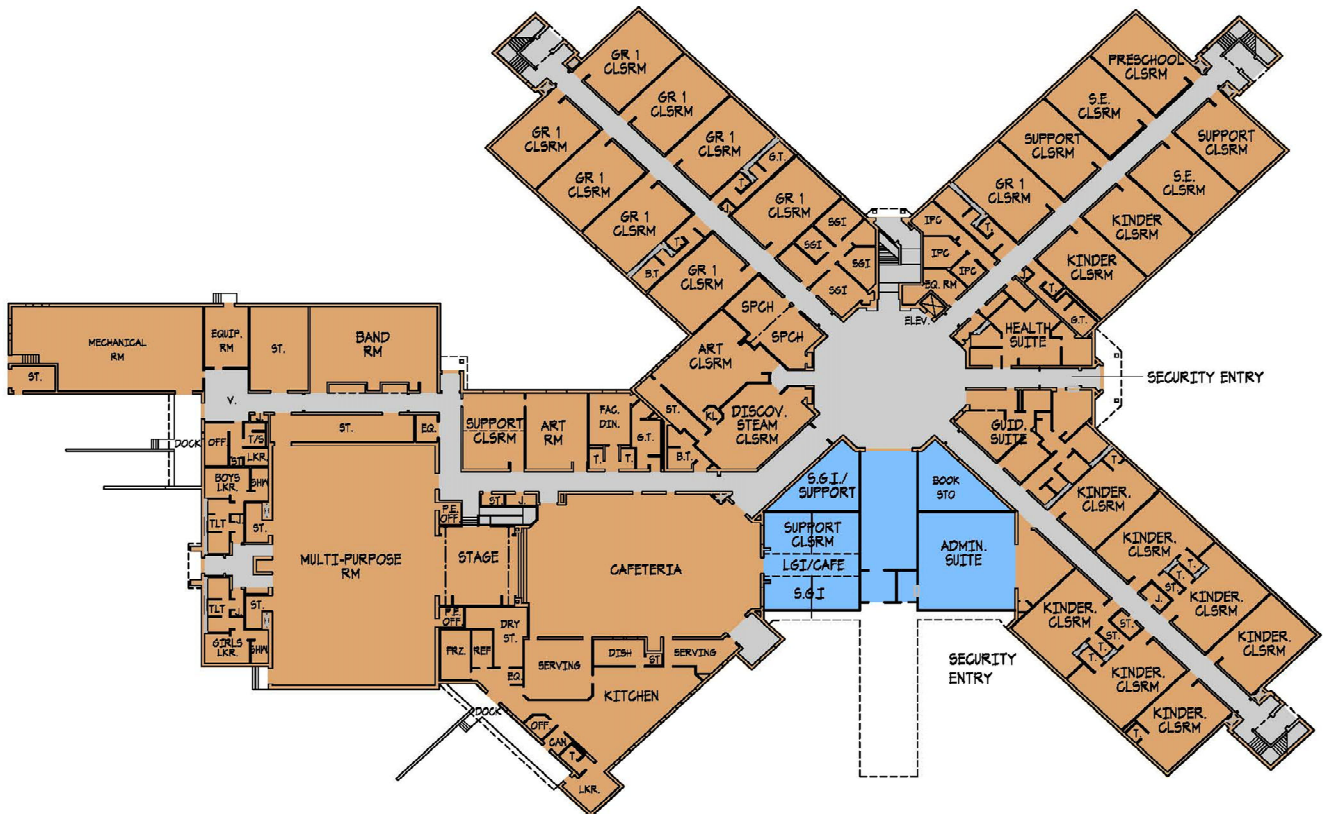
M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required

7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required



K-3 Elementary School - First Floor Plan



- EXISTING RENOVATION
- ADDITION
- EXISTING ALTERATION

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

**E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required**

4-6

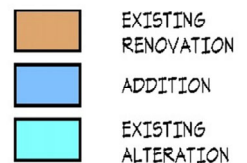
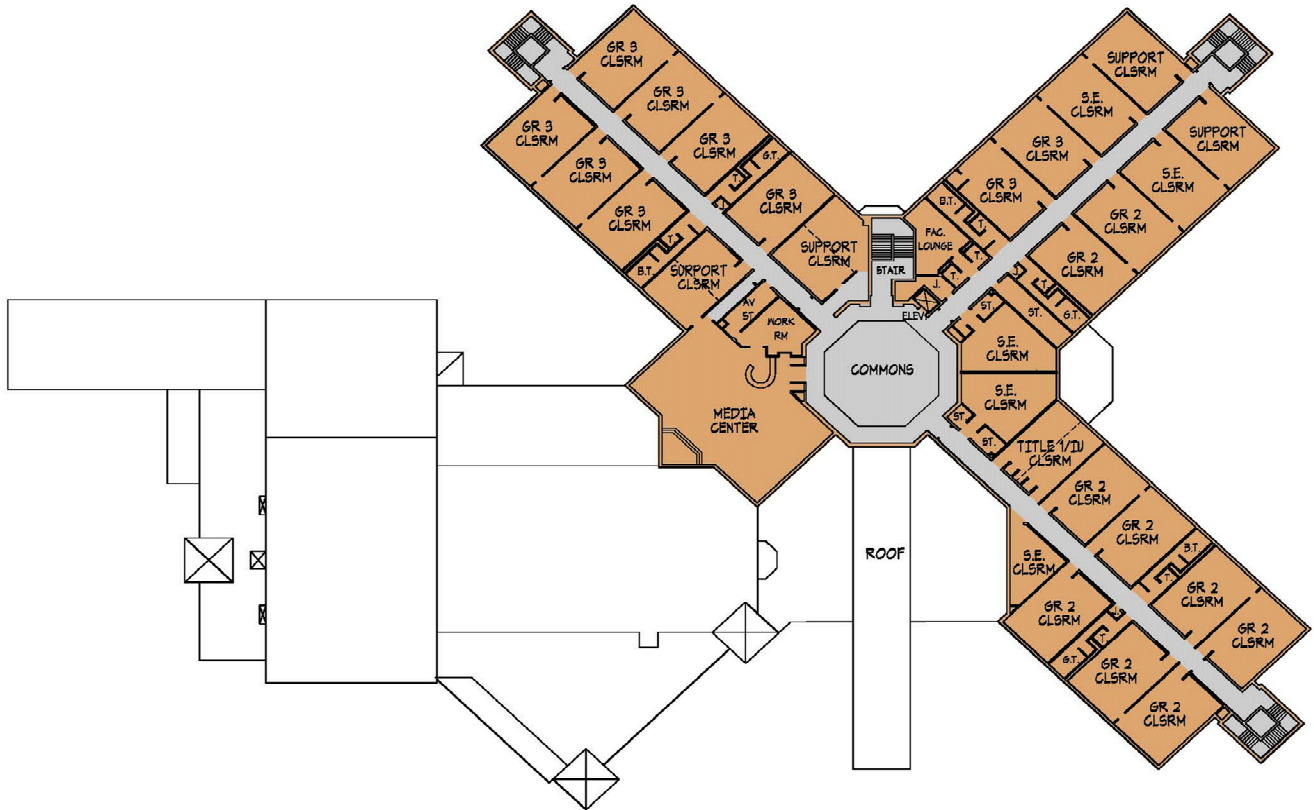
**M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required**

7-12

**H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required**



K-3 Elementary School - Second Floor Plan



OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-6

M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required




7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required



Middle School - Site Plan



-  EXISTING RENOVATION
-  ADDITION
-  EXISTING ALTERATION

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-6

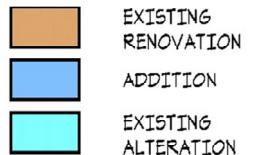
M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required

7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required



Middle School - First Floor Plan



OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-6

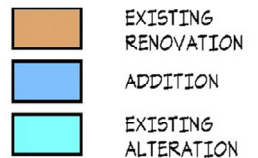
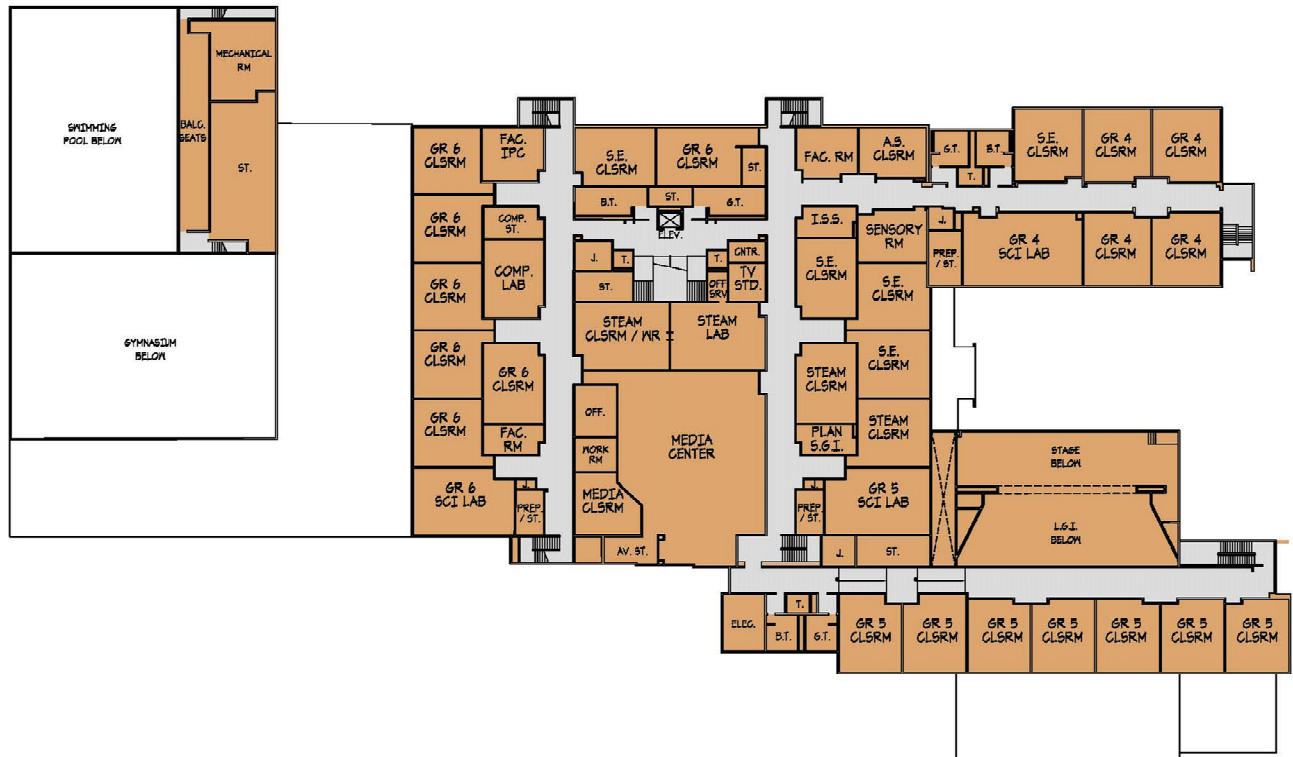
M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required

7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required



Middle School - Second Floor Plan



OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-6

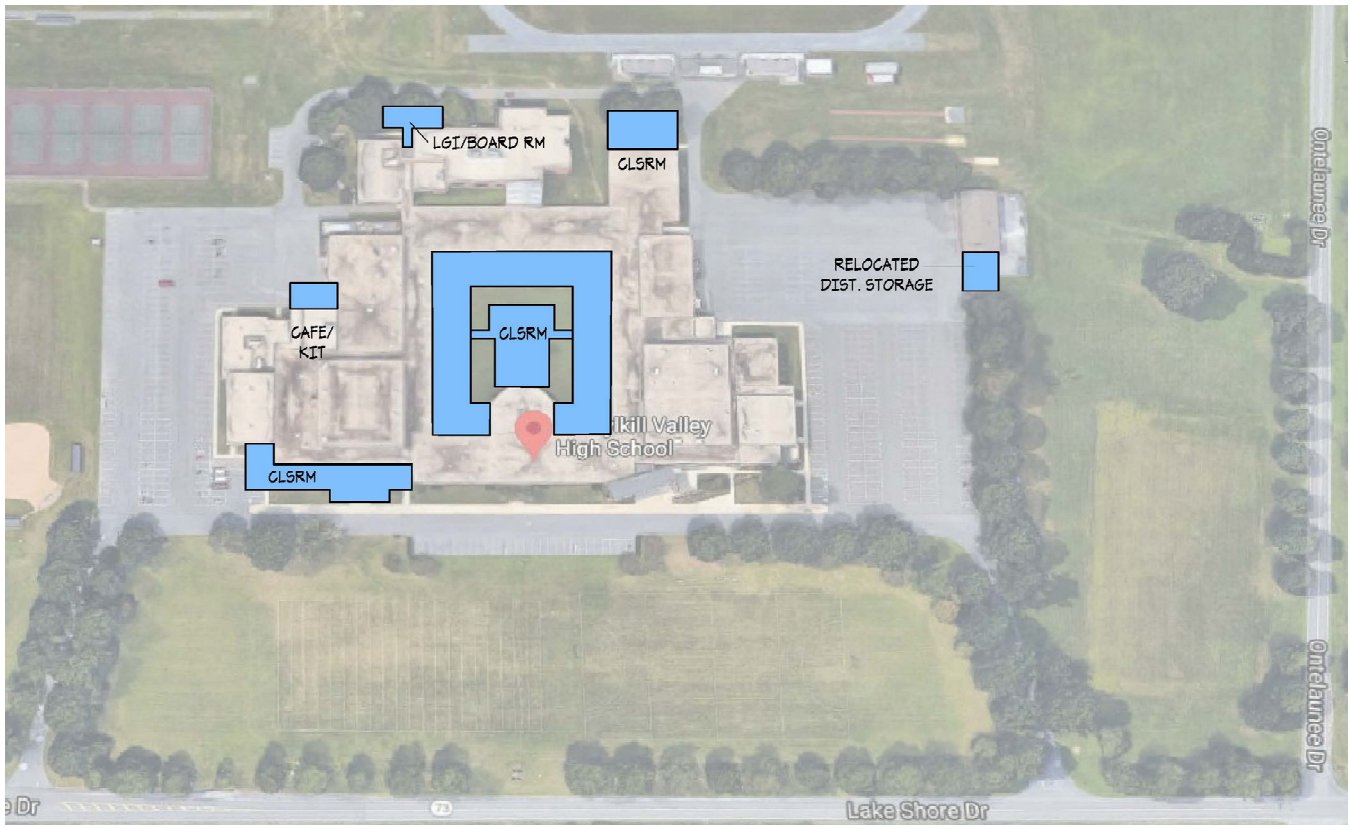
M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required

7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required



High School - Site Plan



- EXISTING RENOVATION
- ADDITION
- EXISTING ALTERATION

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-6

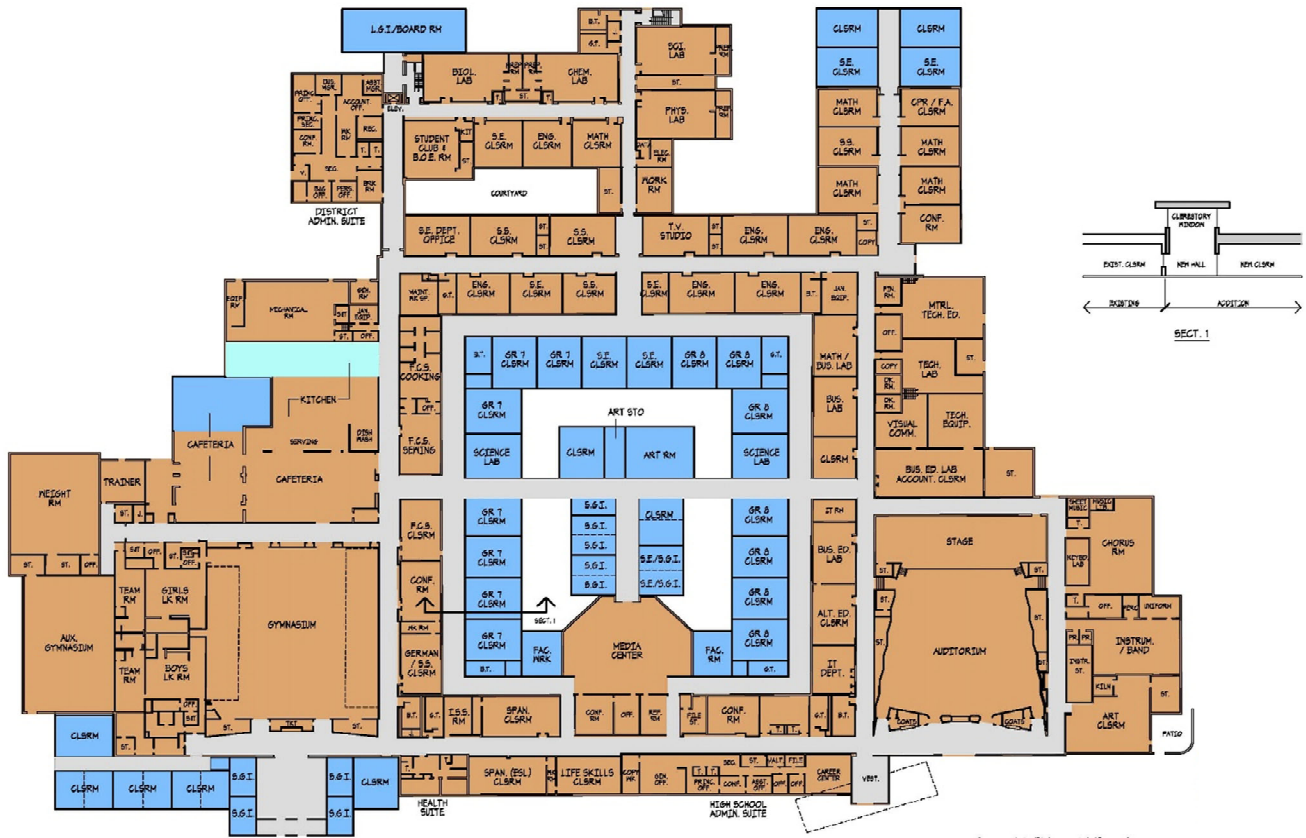
M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required

7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required



High School - First Floor Plan



- EXISTING RENOVATION
- ADDITION
- EXISTING ALTERATION

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-6

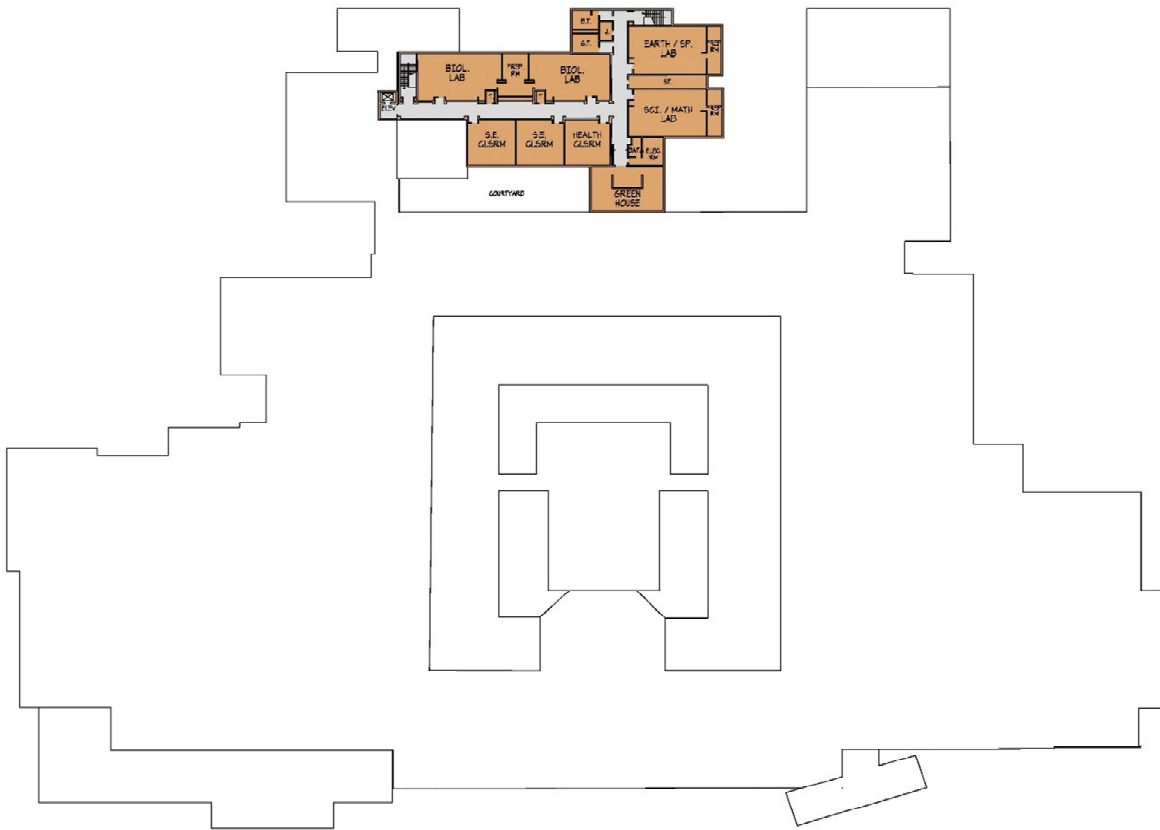
M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required




7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required



High School - Second Floor Plan



	EXISTING RENOVATION
	ADDITION
	EXISTING ALTERATION

PROJECTED OPTION COSTS

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3	E.S. building grade re-alignment to K-3 Elementary School Recommended Alterations & Additions as required
4-6	M.S. building grade re-alignment to 4-6 Middle School Recommended Alterations as required
7-12	H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School Recommended Alterations & Additions as required

	PDE Adj. New	RPC	* Reimb. Factor	Max Elig. Reimb.	Constr. New S.F.	Constr. Cost for Additions	Renov. Exist. S.F.	Renov. Study Cost	Alterations & Site Cost	Total Constr. Cost
K-3 E.S.	1,145	0	4,700	0	7,000	1,925,000	112,000	11,005,300	100,000	13,390,300
	* LEED		470	0				360,000		
K-3 Total				\$0	7,000	\$1,925,000	112,000	\$11,365,300	\$100,000	\$13,390,300
4-6 M.S.	489	0	4,700	0	0	0	152,000	6,853,100	0	6,853,100
	* LEED		470	0						
4-6 Total				\$0	0	\$0	152,000	\$6,853,100	\$0	\$6,853,100
7-12 H.S.	0	0	4,700	0	68,000	17,000,000	182,000	11,544,800	280,000	28,824,800
	* LEED		470	0						
7-12 Total				\$0	68,000	\$17,000,000	182,000	\$11,544,800	\$280,000	\$28,824,800
Campus Site	0	0	4,700	0		0		2,451,600	0	2,451,600
	* LEED		470	0						
Campus Site Total				\$0	0	\$0	0	\$2,451,600	\$0	\$2,451,600
K-12 Sub-Total				\$0	75,000	\$18,925,000	446,000	\$32,214,800	\$380,000	\$51,519,800

C. M. C.	C. M. C. (Construction Market Contingency)									1,280,000
CMC Total				\$0	0	\$0	0	\$0	\$0	\$1,280,000
K-12 Total				\$0	75,000	\$18,925,000	446,000	\$32,214,800	\$380,000	\$52,799,800

Notes: + Annual Total Share based upon a 4% 25-year bond issue rate.

OPTION 3

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	
16,738,000	0.0000	0.4426	0.00%	100.00%	1,071,500	0	1,071,500	K-3 E.S.
\$16,738,000					\$1,071,500	\$0	\$1,071,500	K-3 Total
8,566,000	0.0000	0.4426	0.00%	100.00%	548,200	0	548,200	4-6 M.S.
\$8,566,000					\$548,200	\$0	\$548,200	4-6 Total
36,031,000	0.0000	0.4426	0.00%	100.00%	2,306,300	0	2,306,300	7-12 H.S.
\$36,031,000					\$2,306,300	\$0	\$2,306,300	7-12 Total
3,065,000	0.0000	0.4426	0.00%	100.00%	196,200	0	196,200	Campus Site
\$3,065,000					\$196,200	\$0	\$196,200	Campus Site Total
\$64,400,000					\$4,122,200	\$0	\$4,122,200	K-12 Sub-Total
1,600,000	0.0000	0.6959	0.00%	100.00%	102,500	0	102,500	C. M. C.
\$1,600,000					\$102,500	\$0	\$102,500	CMC Total
\$66,000,000					\$4,224,700	\$0	\$4,224,700	K-12 Total

INTRODUCTION TO OPTIONS COST SUMMARY

Option Cost Summary

This section of the Feasibility Study is a Cost Summary of all options including: Cost for Additions, Renovation Study Cost, Additional Educational Upgrades Cost including Alterations & Site Costs, Total Project Cost which includes a 25% Soft Cost Factor, Annual Total Share (based upon a respective 25-year bond issue rate), also Annual Local Share which *equals* the Annual Total Share *minus* Annual State Share if applicable.

Note 1: If the Project is going to be Pre-financed, add 3% to the estimated "Total Project Cost".

Note 2: Cost estimates extend one-year (to March 2021).

PlanCon "20-year Rule" *

Buildings may only qualify for school construction reimbursement every twenty years at a minimum unless a variance is requested and approved.

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 Education 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-reimbursable. 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 26 profiles the data for PlanCon Reimbursement Eligibility based upon the "20% Rule" as outlined above for the Proposed Options.

TABLE 26	PDE Total Existing Capacity	PDE Replacement Value	PDE 20% Rule Value	Reimb. Eligibility Status
Elementary School	975	\$15,607,800	\$3,121,560	Eligible
Middle School	955	\$20,438,910	\$4,087,782	* Not Eligible
High School	967	\$20,695,734	\$4,139,147	* Not Eligible

Note: * The M.S. & H.S. are not currently eligible for state reimbursement via the PlanCon 20-year rule.

SUMMARY OF OPTIONS

OPTIONS 1-3

OPT 1 3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4

Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8

Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required

OPT 2 4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-5

Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)

6-8

M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required

OPT 3 3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-6

M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required

7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required

OPTIONS COST SUMMARY

OPTIONS 1-3

	Constr. Cost for Additions	Renov. Study Cost	Alterations Demo & Site Cost	(T.C.C.) Total Constr. Cost	(T.P.C.) Total Project Cost	+ Annual Total Share
OPTION 1	3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.					
K-4 Sub-total	\$8,000,000	\$11,365,300	\$235,000	\$19,600,300	\$24,500,000	\$1,568,200
5-8 Sub-total	\$4,950,000	\$6,853,100	\$200,000	\$12,003,100	\$15,004,000	\$960,500
9-12 Sub-total	\$4,125,000	\$11,544,800	\$195,000	\$15,864,800	\$19,831,000	\$1,269,300
Campus Sub-total	\$0	\$2,451,600	\$0	\$2,451,600	\$3,065,000	\$196,200
Opt. 1 Sub-Total	\$17,075,000	\$32,214,800	\$630,000	\$49,919,800	\$62,400,000	\$3,994,200
CMC Total	\$0	\$0	\$0	\$1,280,000	\$1,600,000	\$102,500
Option 1	\$17,075,000	\$32,214,800	\$630,000	\$51,199,800	\$64,000,000	\$4,096,700

* Additional Gymnasium area for Option 1: \$2,500,000 T.C.C. = \$3,125,000 T.P.C.

OPTION 2	4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.					
K-3 Sub-total	\$1,925,000	\$11,365,300	\$100,000	\$13,390,300	\$16,738,000	\$1,071,500
4-5 Sub-total	\$18,000,000	\$0	\$0	\$18,000,000	\$22,500,000	\$1,440,200
6-8 Sub-total	\$0	\$6,853,100	\$0	\$6,853,100	\$8,566,000	\$548,200
9-12 Sub-total	\$4,125,000	\$11,544,800	\$195,000	\$15,864,800	\$19,831,000	\$1,269,300
Campus Sub-total	\$0	\$2,451,600	\$0	\$2,451,600	\$3,065,000	\$196,200
Opt. 2 Sub-Total	\$24,050,000	\$32,214,800	\$295,000	\$56,559,800	\$70,700,000	\$4,525,400
CMC Total	\$0	\$0	\$0	\$1,280,000	\$1,600,000	\$102,500
Option 2	\$24,050,000	\$32,214,800	\$295,000	\$57,839,800	\$72,300,000	\$4,627,900

OPTION 3	3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.					
K-3 Sub-total	\$1,925,000	\$11,365,300	\$100,000	\$13,390,300	\$16,738,000	\$1,071,500
4-6 Sub-total	\$0	\$6,853,100	\$0	\$6,853,100	\$8,566,000	\$548,200
7-12 Sub-total	\$17,000,000	\$11,544,800	\$280,000	\$28,824,800	\$36,031,000	\$2,306,300
Campus Sub-total	\$0	\$2,451,600	\$0	\$2,451,600	\$3,065,000	\$196,200
Opt. 3 Sub-Total	\$18,925,000	\$32,214,800	\$380,000	\$51,519,800	\$64,400,000	\$4,122,200
CMC Total	\$0	\$0	\$0	\$1,280,000	\$1,600,000	\$102,500
Option 3	\$18,925,000	\$32,214,800	\$380,000	\$52,799,800	\$66,000,000	\$4,224,700

+ Annual Total Share based upon a 4% 25-year bond issue rate.

DEFINITIONS

The following section is included 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 (20% Rule). 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.

Construction Cost - The Total Cost of a project without soft costs. The Total Construction Cost includes: cost for new additions, renovation costs, demolition costs, and additional educational upgrades costs.

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.

Daylighting - Daylighting is the controlled admission of natural light into a space through glazing with the intent of reducing or eliminating electric lighting. By utilizing solar light, daylighting creates a productive environment for building occupants. Daylighting features include the use of light shelves, solar tubes, and exterior sun-shades, or other controlling devices.

DEFINITIONS

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 data can be used to determine a need for more classroom space in the future.

Heat Island Effect - Occurs when warmer temperatures are experienced in urban landscapes compared to adjacent rural areas as a result of solar energy retention on constructed surfaces. Principal surfaces that contribute to the heat island effect include streets, sidewalks, parking lots, and buildings. The intent is to reduce heat islands (thermal gradient differences between developed and undeveloped areas) to minimize impact on microclimate and human and wildlife habitat.

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.

LEED® Equivalent - Utilizing LEED® design principals in a project. A project may choose to not pursue LEED® certification, however, it may benefit from the LEED® design principals such as Water and Energy use Reduction, low VOC emitting materials, use of regional and recycled materials, sustainability features, and improved indoor air quality.

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.

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 Education 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-reimbursable. 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.

DEFINITIONS

PlanCon 20-Year Rule - The PlanCon reimbursement process allows reimbursement for alterations every 20-years, unless a request for a variance is approved by the Pennsylvania Department of Education.

Project Cost - The Total Cost of a project including Construction costs and soft costs. Total Project Costs include 18%-25% of Construction Cost for the following construction-related costs: Movable Fixtures and Equipment, Project Contingency, Construction-Related Costs, Architect/Engineering Fees, Financing Cost, and Project Supervision.

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.

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. RPC is the figure used to determine amount of reimbursement, and is determined by multiplying the Full Time Equivalent (FTE) by the RPC factor.

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.

Transpired Solar Wall - Outside air passes through South-facing, perforated solar collector wall panels and is pre-heated 30 to 55 degrees Fahrenheit on sunny days before entering the building's ventilation system. As the warm air rises, it is collected for use in the ventilation system on cold days, or vented out the top on warmer days. The feature also helps to keep the space behind it cooler in the summer months.

Vegetative Roof - Green roofs are vegetated roof surfaces that may provide many benefits. They reduce the heat island effect by replacing heat-absorbing surfaces with plants, shrubs and small trees that cool the air through evapotranspiration (or evaporation of water from leaves). Green roofs provide insulating benefits, stormwater management benefits, and the potential for rainwater harvesting and re-use as non-potable (non-drinking) water.

VOCs (Low Emitting Materials) - Volatile Organic Compounds (VOC) are carbon compounds that participate in atmospheric photochemical reactions (excluding carbon monoxide, carbon dioxide, carbonic acid metallic carbides and carbonates, and ammonium carbonate). The compounds vaporize (become a gas) at normal room temperatures. The intent is to reduce the quantity of indoor air contaminants that are odorous, irritating, and/or harmful to the occupants' well-being.

INFORMATION UTILIZED IN THE STUDY

District Aid Ratio - 0.4426

DESIGN GUIDELINES FOR NEW CONSTRUCTION

	S.F. Per Student	Cost per S.F. New Construction
		ADDITIONS AND ALTERATIONS
Elementary School	125 s.f.	\$250 - \$275 / s.f. construction cost for additions
Middle/Jr HS School	150-165 s.f.	\$250 - \$275 / s.f. construction cost for additions
High School	175-200 s.f.	\$250 - \$275 / s.f. construction cost for additions

* \$275 / s.f. for new construction under 20,000 s.f.

DESIGN GUIDELINES FOR RENOVATION

Renovation See Part III Facilities
Miscellaneous Upgrades See Part III 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/Construction Manager Fees
Project Contingency	Financing Cost
Construction-Related Costs	Project Supervision

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Director of Pupil Services & Special Education	Dawn Harris
Business Manager	Brian Feick
Director of Buildings & Grounds	Casey Blankenbiller
Principal, Elementary School	Jeremy Crills
Principal, Middle School	Joshua Kuehner
Principal, High School	Michael T. Mitchell, Jr.

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Alfonso F. Rossi
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David E. Moll
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NOTES

Project: District Wide Feasibility Study
Schuylkill Valley School District

Project No.: PP8696.00

Date: November 25, 2019

EI ASSOCIATES

2001 North Front St., Harrisburg, PA 17102
(717) 233-4556 Phone

MEETING REPORT NO. 1 (Revised)

Meeting Place: District Admin.-Conference in Superintendent's Office *Meeting Date:* November 14, 2019

<i>Participants:</i>	Dr. Cindy Mierzejewski, Superintendent	Schuylkill Valley School District
	Mr. Brian Feick, Business Manager	Schuylkill Valley School District
	Mr. Casey Blankenbiller, Dir. of Buildings & Grounds	Schuylkill Valley School District
	Mrs. Ann Long, Educational Facilities Planner	EI Associates (EIA)
	Mr. Daniel Bierzonski, Sr. Vice Pres. & Gen Mgr.	EI Associates (EIA)
	Mr. Peter Ortiz, Vice President	EI Associates (EIA)

The following are meeting notes and items of discussion:

1. Feasibility Study Data Gathering Checklist given to District to answer and return information to EIA.
2. Ann Long presented Demographic Information and an overall gain in student population was noted and discussed. In particular, the present and projected gain in student population was more pronounced in the secondary grades.
3. Dr. Mierzejewski noted that in the year 2017-18, grades K-4 required 7 classrooms per grade. However, this year (2018-19) grades K-4 required 8 classrooms per grade.
4. Avoid modulars in study scenarios if at all possible, but can be considered as a last possibility.
5. Study demography vs. building capacity early in the study process.
6. Presently, the Middle School is filled to the brim.
7. Regarding "inclusion", of the 7 classrooms two (2) classrooms are "inclusion classrooms" (larger classrooms, 20 students/classroom).
8. Middle School schedule needs to be scrutinized to yield to more efficient use of rooms and ease overcrowding.
9. Middle School is on a 6-day cycle. Specials run "oddly".
10. Elementary School is on a 6-day cycle also.

EI will proceed in reliance on this report. Any discrepancies should be brought to our attention in writing within seven (7) days.

MEETING REPORT NO. 1 *continued*

Project: PP8696.00

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11. Current enrollment:
 - K-4 ES = 799
 - Middle School = 684
 - High School = 631 +
 - Total = 2,114
12. School District very interested in demographics (vs. building capacity). It is one of the main drivers of the need for a study and potential resulting projects.
13. Elementary School is already quite large (\pm 800 students). If it increases in size, a "school- within- a school" design strategy should be employed to ameliorate the scale and perception of the overall school.
14. Kindergarten required age start date used to be August 1st but is now September 1st.
15. There is a large 1st grade class this year (164 students).
16. "Ozzy's" (neighboring property) is for sale for \$2.75 million for 10 acres (of which 9.5 acres is usable). The SVSD BOE rejected the idea of buying due to the "high cost".
17. District has no pre-kindergarten but they do have early intervention.
18. Kindergarten is full day.
19. No Alternative Education classes. Presently all Alternative Education is sent out of the District (not many disciplinary Alternate Education cases). There would likely be savings to the District to bring Alternate Education back to the District if there were space.
20. The District buses all students, (or car drop). There are no walkers.
21. Autistic Support is at the Middle School presently. School District wishes to keep this in-house. (Paw's Café).
22. In the High School, there are some "empty" classrooms. All teachers have their "own room".
23. The Middle School (quite crowded) is a "hybrid ES/MS" in that Language Arts and Math are homeroom based, but Social Studies and Science, etc. "rotate" a little bit.
24. Middle School classrooms average 28 to 30 students and run on 80 minute blocks. (Teachers have a "plan period" for 80 minutes every day).
25. Overview:
 - Middle School = space problem and schedule problem
 - Elementary School = space problem and size concern (\pm 800 students).
 - High School = no space problem
26. The District currently offers 31% free and reduced lunches.

MEETING REPORT NO. 1 *continued*

Project: PP8696.00

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27. 93 students from High School go to the Vo-Tech (BCT) for one half (½) day. They eat lunch at Vo-Tech and yes, they are counted in enrollment numbers.
28. The District wishes to develop their own Cyber-School.
29. The study should examine the possibility of pulling out 5th grade from the Middle School and putting 5th grade in Elementary School but this is only a possibility if we can find a way to make it not overwhelming. K-5 would be a large number of students.
30. Mr. Blankenbiller stated that all asbestos was abated District-wide except for some VAT/Mastic at the Elementary School.
31. Throughout the study, the "District Team" will be defined as the Superintendent, Business Manager, the Director of Facilities, and the three (3) building principals.
32. In the past, Trane Co. performed a GESA project.
33. The High School and Elementary School both need HVAC renovation.

cc: All Participants

Project: Schuylkill Elementary School
Schuylkill Valley School District

Project No.: PP8696.00

Date: February 7, 2020

EI ASSOCIATES

2001 North Front St., Harrisburg, PA 17102
(717) 233-4556 Phone

MEETING REPORT NO. 1

Meeting Place: Schuylkill Valley Elementary School

Meeting Date: January 21, 2020

Participants: Mr. Jeremy Crills, Principal
Mrs. Ann Long, Educational Facilities Planner
Mr. Peter Ortiz, Vice President

Schuylkill Valley School District
EI Associates (**EIA**)
EI Associates (**EIA**)

Purpose: Ann Long and Peter Ortiz met with the principal of Schuylkill Valley ES (Mr. Crills) and toured the ES building to discuss programs and program versus building space issues. Also as the District enrollment is steadily climbing, EI will evaluate the potential for space that could be utilized by the larger incoming ES enrollment.

1. Band begins at 4th grade.
2. Chorus is an "extra". Chorus is presently held on the stage.
3. Locker rooms at gym:
 - Only for after-school activities
 - Showers used as storage
 - Students use only toilets
4. Lunch begins at 11:00am and ends at 1:00pm.
 - 2nd grade-eats first
 - 3rd and 4th grade-eat second
 - 5th grade-eats last
5. There are ± 200 students per lunch at the cafeteria.
6. School District provides breakfast for ± 100 students.
7. Next year the Elementary School expects to require 8 classrooms per grade.
8. Elementary School has one pre-school classroom. It is on the second floor at the end of the "C-Corridor".
9. From 3rd grade on up, the kids "rotate classes" like in Middle School.

EI will proceed in reliance on this report. Any discrepancies should be brought to our attention in writing within seven (7) days.

MEETING REPORT NO. 1 *continued*

Project: PP8696.00

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10. The Elementary School recently changed its school enrollment deadline from August 8th to September 8th. The School District believes that this will possibly increase Kindergarten and 1st grade enrollment.
11. Grades vs Students per classroom:
 - K = 20-22 students
 - 1st grade = 22-23 students (even with extra classroom /section)
 - 2nd grade = 24-25 students
12. Huge jump in Kindergarten and 1st grade enrollment (+ 160 Kindergarten / + 170 First grade).
13. Kindergarten registration in May and July.
14. Corrections were made by the principal to the room schedule and plan (current use of spaces, etc.).
15. Parent pick-up at end of day is at exterior lobby to the gym (multi-purpose room).
16. Multi-purpose room is utilized all day by Physical Education.
17. Moveable wall between stage and multi-purpose room is rarely opened on Physical Education side.
18. Breakfast served at cafeteria from 8:35 to 9am.
19. The security entrance is not at the main entrance (misleading). Security entrance needs clarity.
20. Parent car drop-off is at the security entry side of the building. Entry flanked by the Health Suite and Admin Suite. The bus drop is at the original main entry to the building, but Admin Suite is remote from this entry thereby creating a non-secure entrance.
21. Present CR/Grade
 - Kindergarten = 7 classrooms per grade
 - 1st grade = 8 classrooms per grade (just added an extra section this year)
 - 2nd grade = 7 classrooms per grade
 - 3rd grade = 7 classrooms per grade
 - 4th grade = 7 classrooms per grade(Next year School District expects to require 8 classrooms per grade)
22. The Large Group Instruction room (LGI) is used for many LGI activities including: Physical Therapy, In-Services for Teachers, Professional Development, etc.
23. Global Classroom is based on a "grant" (Technology Equipment Grant).
24. Classroom converted into a Faculty Room (houses copiers, 6 computers for itinerants and miscellaneous equipment).
25. Second floor "commons" area is utilized by the yearly Art Show and sometimes Chorus.
26. Pre-School classroom is run by the PCIU. They rent the classroom from the SVSD.

MEETING REPORT NO. 1 *continued*

Project: PP8696.00

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27. The wing previously occupied by 5th grade is presently called "C-Corridor" and includes:
- Faculty Lounge
 - K-4 Autistic Support Classroom
 - Autistic Support-Movement Room
 - K-2 Supplemental Special Education (i.e. Life Skills classroom)
 - PCIU Pre-School classroom
 - Two reading specialist (including ESL)
 - Special Education classroom
 - Global classroom
28. Option 1A below would provide rooms and spaces to accommodate enrollment increase for the next school year at the Elementary School. Option 1B below could provide additional classrooms should the need arise later than next year. Any building project to relieve the longer term enrollment increase (campus-wide) would take one year to plan and almost two years to build.

Option 1A – Large Group Instruction Room (1,395 sq. ft.) can be divided with a new folding wall into two (2) useful \pm 700 sq. ft. classroom spaces, each with adjacent storage rooms and separate entrances. Also "Faculty Workroom" presently occupies a regular classroom. Reclaim that classroom and move Faculty Workroom into Library area. (There are many empty shelves in the Library). Total gain equals three (3) full size classrooms. See attached floor plans.

Option 1B - Library could house two (2) classrooms, one at each "lung" side (\pm 750 sf each), if Library books remain in the center part of the Library and seating is relocated to the "commons" area. Total gain equals two (2) additional classrooms.

cc: All Participants

Project: Schuylkill Valley Middle School (Grades 5-8)
Schuylkill Valley School District

Project No.: PP8696.00

Date: February 6, 2020

EI ASSOCIATES

2001 North Front St., Harrisburg, PA 17102
(717) 233-4556 Phone

MS MEETING REPORT NO. 1

Meeting Place: Schuylkill Valley Middle School

Meeting Date: January 21, 2020

Participants: Mr. Josh Kuehner, Principal
Mrs. Ann Long, Educational Facilities Planner
Mr. Peter Ortiz, Vice President

Schuylkill Valley School District
EI Associates (**EIA**)
EI Associates (**EIA**)

Purpose: Ann Long and Peter Ortiz met with the principal of Schuylkill Valley MS (Mr. Kuehner) and toured the MS building to discuss programs and program versus building space issues. Also as the District enrollment is steadily climbing, EI will evaluate the potential for space that could be utilized by the larger incoming ES enrollment.

1. Middle School is tight at \pm 700 students. Some classes have 25-32 students.
2. Middle School runs on block scheduling.
3. There are 3 core subjects:
 - Math, 80 minutes
 - Language Arts, 80 minutes
 - Science & Social Studies (they alternate), 80 minutes

Also 80 minutes of Unified Arts:

 - Art
 - Music
 - Two (2) S.T.E.A.M. classrooms
 - One (1) guidance class
4. Each grade level has a Small Group Instruction Room/Faculty Team Room. These are also used as "pull-out space.
5. There is not one space in the MS that is large enough to house all population grades 5-8 at one time.
6. Gym can fit two grades on the bleachers and two grades on chairs on the floor of the gym. That is the only way to fit grades 5-8.
7. Recently moved 5th grade to MS from the ES, now the MS is crowded.

***EI** will proceed in reliance on this report. Any discrepancies should be brought to our attention in writing within seven (7) days.*

MEETING REPORT NO. 1 *continued*

Project: PP8696.00

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8. Eliminated most computer labs except 8th grade.
9. Gym holds Physical Education classes every period of every day.
10. Swimming pool is used by 5th grade and 6th grade. It is used until 10:30 am after which it lies fallow (empty). Fifth and sixth grade alternate between pool and gym.
11. Pool houses Community Aquatics year round.
12. Theoretically, the gym can house two (2) PE classes simultaneously.
13. All MS students change clothes for gym (at the gym locker rooms) and to use the swimming pool (at pool locker rooms).
14. "Wrestling" gym (1,605 sf) is only used in winter. Wrestling mats are rolled up when not in use.
15. School District Trainer's Room (1,505 sf). School District outsources Athletic Trainers and this is their designated space. Space is too large for their needs.
16. Band room (1,985 sf) is used by grades 6 and 8.
17. Art classroom is very large (2,130 sf) but does house \pm 30 students.
18. Principal is okay with Administrative & Guidance Suites/areas and spaces.
19. Choral Room (2,070 sf) is used by grades 5-8.
20. FCS Lab (1,335 sf) is used by 8th grade as FCS Lab and by 5th grade as Reading classroom. Used only during the first and last 80 minute periods of the day
21. Science Lab (1,355 sf) in the 5th grade wing is not used as a regular lab.
22. Fenced courtyard behind the stage and cafeteria has an exterior rubber flooring. This courtyard is only used by 5th grade at recess (last half hour of the day). Students also use adjacent fields.
23. "Stage" at LGI is used to house 5th grade band practice (1/2 hour 2-3 days).
24. LGI is under-utilized because it has fixed seating and is not large enough to seat an entire grade level.
25. There are four (4) lunches. One grade per serving. Cafeteria has \pm 36 tables and is 5,220 sf in area. Cafeteria is crowded.
26. Buses: All students loaded at once onto two rows of buses. MS is picked up and dropped off first, then High School.
27. Media Center (Library) is good size (4,050 sf). PDE guidelines for Media Center is 3-5 sf per student.
28. Library classroom within Media Center teaches 5th and 6th grade.

EI will proceed in reliance on this report. Any discrepancies should be brought to our attention in writing within seven (7) days.

MEETING REPORT NO. 1 *continued*

Project: PP8696.00

Page: 3

29. Typically there are 6 classrooms per Team plus Special Education classroom and Science classroom/lab.
30. Middle School has 685-690 students this year (almost \pm 700 students). This is the largest population the MS has ever housed. In two years the enrollment will be over 700 students. Question: Where is there room to expand or grow within, or additional to, the existing layout?

cc: All Participants

Project: Schuylkill Valley High School (Grades 9-12)
Schuylkill Valley School District

Project No.: PP8696.00

Date: February 12, 2020

EI ASSOCIATES

2001 North Front St., Harrisburg, PA 17102
(717) 233-4556 Phone

MEETING REPORT NO. 1

Meeting Place: Schuylkill Valley High School

Meeting Date: January 31, 2020

Participants: Mr. Michael Mitchell Jr., Principal
Mrs. Ann Long, Educational Facilities Planner
Mr. Peter Ortiz, Vice President

Schuylkill Valley School District
EI Associates (EIA)
EI Associates (EIA)

Purpose: Ann Long and Peter Ortiz met with the principal of Schuylkill Valley HS (Mr. Mitchell) and toured the HS building to discuss existing programs, schedules and programs versus building space issues. Also, as the District enrollment is steadily climbing, EI will evaluate the potential for space that could be utilized by the larger incoming ES enrollment.

1. Average class sizes are 18 to 20 students. Some core classes have up to 22 students.
2. TV Studio (great equipment; not utilized to potential) not used often.
3. In the HS various classrooms are being used as offices and the HS will lose one more classroom to offices this coming summer.
4. "Biggest need": more full size classrooms.
 - CR # C-33 will be taken over by office functions this coming summer
 - CR # C-26 used as a conference area and a pull-out area for students
 - CR # D-9 used by the IT department (they need more space).
 - CR # B-28 used as a conference room but will likely become the Principal's Office this coming summer.
 - CR # F-117 Science Lab used for Keystone testing practice.
5. Need ± (5) five small rooms (conference room size) to house:
 - Time-Out rooms/Pull-out rooms for students
 - Parent/Teacher conference rooms
 - Conferences
6. They have enough Special Education rooms but will need (1) one Emotional Support classroom.
7. The Middle School is slated to receive (1) one Emotional Support classroom, so the High School will most likely also receive one.

EI will proceed in reliance on this report. Any discrepancies should be brought to our attention in writing within seven (7) days.

MEETING REPORT NO. 1 *continued*

Project: PP8696.00

Page: 2

8. The term "Alt Ed" is used to represent Emotional Support and Behavioral Support.
9. Total program change for Tech Ed area. (Ann Long & Peter Ortiz spoke at length with Mr. Matthew Cullen, Director of Tech Ed.) The Tech Ed program and department has evolved and has definite plans for further "evolution". The program has expanded from a traditional "wood/metal" shop Tech Ed program into a modern Robotics, Technical Trades, Graphic Production, STEAM type labs. Mr. Cullen has a defined vision regarding the use of the existing space allotted to Tech Ed at the HS. Ann Long and Peter Ortiz will meet with Mr. Cullen further to explore options for space utilization. Material TE; Tech Lab; Tech Equip; Visual Communications Room and small support rooms are all to be part of overall modern Tech Ed program spaces. The Tech Ed transformation is a first priority need for the Principal.
10. Admin & Guidance Suite offices need more soundproofing between offices (possibly replace ceiling tiles at edges of the offices with high sound absorptive AC tiles). Presently, the party walls do not extend above the ceiling or go to the bottom of structure.
11. Presently Guidance Suite has no privacy as it guards the main secure vestibule and receives all visitors. Principal would prefer to switch Guidance Suite with the Admin Suite (Principal's Office and staff), thereby placing the Admin Suite as the main gatekeeper of the existing secure vestibule. This should not be difficult as the existing spaces appear to be able to accommodate the switch.
12. Note: there is only one entrance into the hallways from the large courtyard in the center of the building. There is also one entrance into the Library from the courtyard.
13. Large Group Instruction Room (LGI Room) is utilized by the District Admin Offices (DAO). The HS staff asks permission from the DAO to schedule use of the space. (The space is used as a School Board, Board Room).
14. The High School does not use the second Science Lab (F-117). It is used for Keystone Testing practice/teaching.
15. High School has enough storage rooms/areas.
16. District Admin Offices (DAO) is tight and needs more space.
17. High School is a one-to-one computer school.
18. Media Center has adequate space. Principal wants Library to be a "Maker Space" (Media Café). Students do not use the Library much.
19. Cafeteria holds \pm 200 students per lunch. This is a manageable number of students per lunch. There are currently (4) four lunches. Lunches are not by grade level, but by schedule.
20. Auditorium is adequate size. Whole High School does fit in the Auditorium. The Auditorium is used after-hours throughout most of the year (rehearsals). Auditorium acoustics are poor; sound system, feedback, microphones are poor.
21. High School needs outside loud speaker connected to the P.A. for emergencies.

EI will proceed in reliance on this report. Any discrepancies should be brought to our attention in writing within seven (7) days.

MEETING REPORT NO. 1 *continued*

Project: PP8696.00

Page: 3

22. Recently upgraded cameras at the High School exterior. HS needs additional cameras as HS still has some "blind spots".
23. Security: would like both secretaries to have a door opener buzzer for main secure vestibule access to the building.
24. Gym is used a lot after school hours.
25. Gym needs more lockers and team rooms.

cc: All Participants



Schuylkill Valley School District

District-Wide Feasibility Study

7 March 2020



EI
ASSOCIATES
ARCHITECTURE
ENGINEERING
PLANNING



Schuylkill Valley School District

Owner



EI Associates

Architects & Educational Facilities Planners



K&W

Civil / Site Engineering



SiteLogiq (formerly Reynolds)

Mechanical, Electrical, Plumbing Engineering / Estimates



Advanced Foodservice Solutions

Food Service / Kitchen Design



Baker, Ingram & Associates

Structural Engineering

- **Demographic Review**
(Student Enrollment, Population, Housing)
- **Facilities Study**
(Building Improvements & Construction Cost)
- **Educational Program Review**
(Requirements / Needs)
- **Solutions** (Construction Options)
- **Cost of Options**
- **Schedule**

Note: Study per PDE Requirements

Schuylkill Valley SD Feasibility Study

Demographic Exploration - Population

TABLE 6 Total Population	2000 Actual Total Popul.	2010 Actual Total Popul.	Value Change 2000 to 2010	% Change 2000 to 2010	2017 Estimated Total Popul.	Value Change 2010 to 2017	% Change 2010 to 2017
Bern Township	6,758	6,797	39	0.6%	6,952	155	2.3%
Centerport Borough	327	387	60	18.3%	293	-94	-24.3%
Centre Township	3,631	4,036	405	11.2%	4,086	50	1.2%
Leesport Borough	1,805	1,918	113	6.3%	2,054	136	7.1%
Ontelaunee Township	1,217	1,646	429	35.3%	2,171	525	31.9%
School Dist. Total	13,738	14,784	1,046	7.6%	15,556	772	5.2%

2000 - 2010

- Gain of Population

+ 1046

2010 - 2017

- Gain of Population

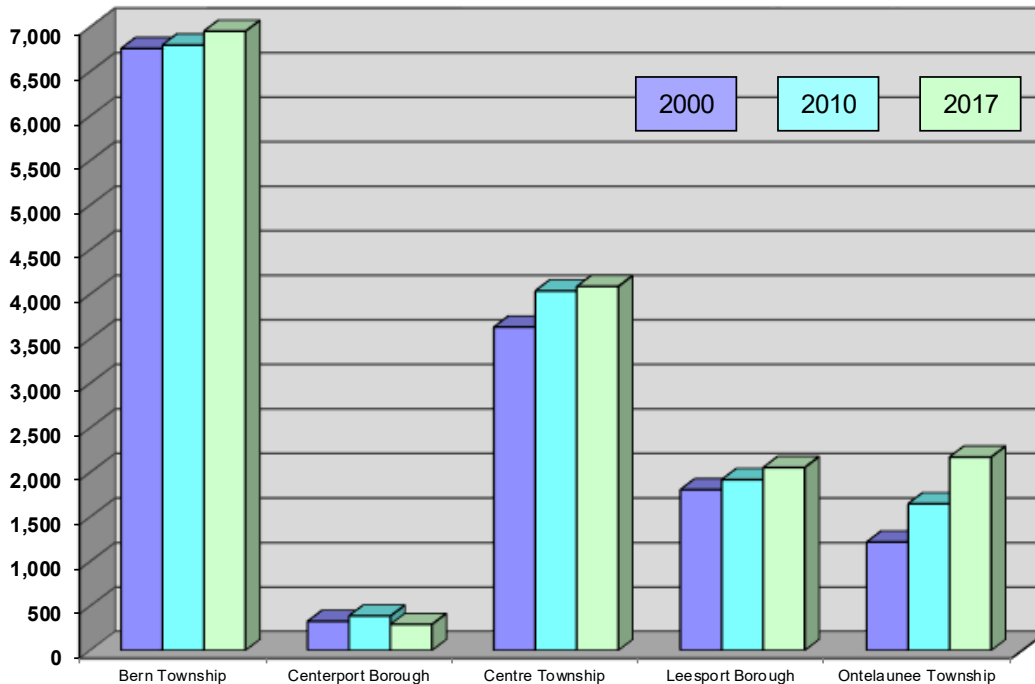
+ 772

2000 - 2017

- Gain of Population

+ 1818

TABLE 6 - CHART A



Schuylkill Valley SD Feasibility Study

Demographic Exploration - Housing

TABLE 9	2000 Total Housing Units	2010 Total Housing Units	Value Change 2000 to 2010	% Change 2000 to 2010	2017 Estimated Housing Units	Value Change 2010 to 2017	% Change 2010 to 2017
Total Housing Units							
Bern Township	1,964	2,168	204	10.39%	1,977	-191	-8.81%
Centerport Borough	139	150	11	7.91%	134	-16	-10.67%
Centre Township	1,405	1,570	165	11.74%	1,659	89	5.67%
Leesport Borough	718	790	72	10.03%	829	39	4.94%
Ontelaunee Township	557	680	123	22.08%	867	187	27.50%
School District Total	4,783	5,358	575	12.02%	5,466	108	2.02%

2000 - 2010

- Gain of Housing

+ 575

2010 - 2017

- Gain of Housing

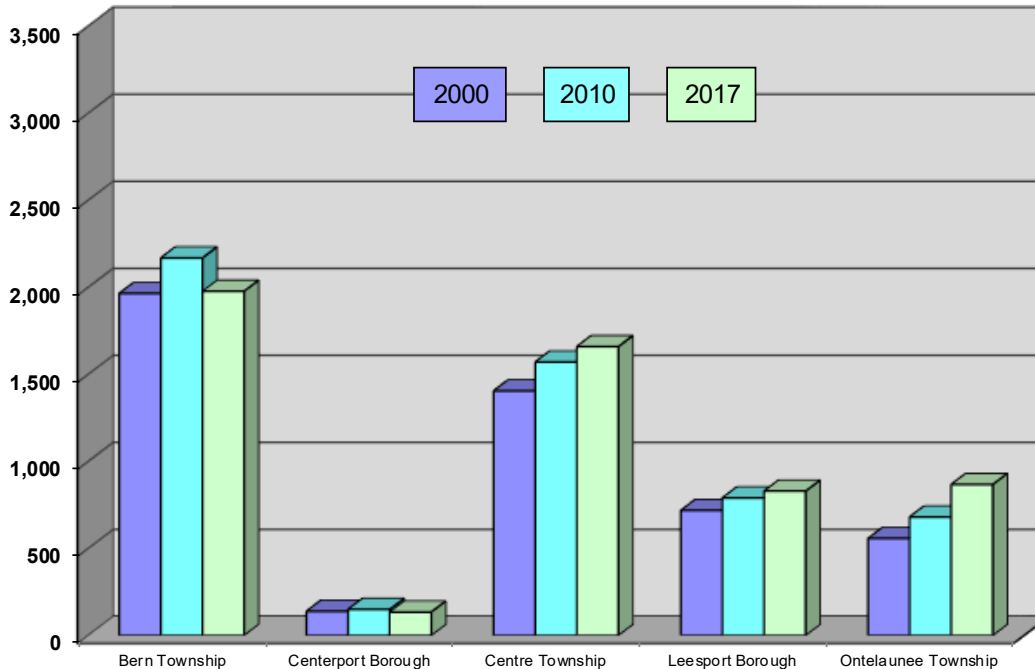
+ 108

2000 - 2017

- Gain of Housing

+ 683

TABLE 9 - CHART A



Schuylkill Valley SD Feasibility Study

Demographic Exploration – Historical Student Enrollment

	K	1	2	3	4	K - 4	5	6	7	8	5 - 8	9	10	11	12	9 - 12	K - 12
2000-01																	1888
2001-02																	1909
2002-03																	1928
2003-04																	1908
2004-05	119	120	128	139	153	659	132	176	179	159	646	177	165	175	145	662	1967
2005-06	134	137	127	142	150	690	157	139	178	178	652	159	173	154	165	651	1993
2006-07	129	145	137	134	143	688	149	158	143	187	637	177	165	180	153	675	2000
2007-08	118	137	145	136	142	678	144	155	161	151	611	197	186	168	171	722	2011
2008-09	129	126	146	140	141	682	143	155	159	164	621	153	186	181	161	681	1984
2009-10	142	134	126	146	145	693	139	150	154	156	599	172	161	189	188	710	2002
2010-11	120	141	140	121	147	669	150	151	152	156	609	159	169	157	183	668	1946
2011-12	148	129	142	141	126	686	151	157	155	154	617	160	154	164	150	628	1931
2012-13	141	155	144	146	138	724	130	155	159	148	592	164	157	157	169	647	1963
2013-14	158	145	157	152	151	763	134	135	153	160	582	150	159	152	155	616	1961
2014-15	143	153	151	159	154	760	156	135	146	152	589	166	154	156	153	629	1978
2015-16	126	158	161	155	170	770	152	163	140	150	605	160	168	157	162	647	2022
2016-17	150	138	156	166	156	766	168	161	176	145	650	149	158	163	153	623	2039
2017-18	134	157	149	160	168	768	150	185	173	183	691	138	152	149	165	604	2063
2018-19	147	147	163	151	164	772	169	155	185	170	679	177	138	152	149	616	2067
2019-20	152	164	151	168	156	791	169	181	154	180	684	162	182	138	154	636	2111

2000 - 2010

- Gain of Students

+ 58

2010 - 2017

- Gain of Students

+ 117

2000 - 2017

- Gain of Students

+ 175

Facilities Evaluation Process

Improvement Lists: Itemized, Priced, and Prioritized

Facilities
Evaluations

Architects, Civil and MEP
Engineers, and Kitchen Designers
survey buildings and sites

PHYSICAL PLANT

- Security
- Safety
- Codes
- Condition
- Mechanical
- Electrical
- Plumbing
- Site

EDUCATIONAL PROGRAMMING

- Efficient Program-Use of Facilities
- Size / Future Capacity of Schools
- Grade Realignment / Grade Levels
- Students per Classroom
- Use of Core Facilities
- Site – Parking, Drives, Playfields

ARCHITECTURAL SURVEY

- 8 The ceiling tile & grid are showing signs of age and tiles are bowed at the edges due to humidity levels. Remove and replace with new ceiling tile & grid.
- 9 Significant amount of building wall cracking is present in the corridor walls as well inside most classrooms occurring at walls between classrooms, the corridor wall, and at the soffit that parallels the corridor wall. Cracking is moderate to high at a few locations. Repair cracking and repaint wall.
- 10 The wardrobe doors in classroom #065 have minor scratches and other damage. Refinish doors.

C. Interior of Building Evaluation (con't):

- 11 Install bookshelves at removed unit vents and modify existing bookshelves at install of vertical air handler at 25 locations. Install new plastic laminate top over bookshelves.
- 12 The kitchen equipment is in poor condition and is aged. Remove and replace kitchen equipment.
- 13 Asbestos should be assumed to be present in all subsurface tars, glues, mastics, caulking, drywall, spackling compounds, and window glazing. Asbestos is also present in 9" floor tile and mastic covering 21,500 sf dispersed throughout the building. Cost for asbestos mitigation is not included in this study.

Interior of Building Evaluation Sub-Total:

D. Heating, Ventilation and Air Conditioning (HVAC) Evaluation:

- 1 Building heating hot water is provided by two cast iron coal fired boilers installed in 1991. The boilers are manufactured by Kewanee 2100 MBH water, 63 HP output. The units are in fair condition considering their age, but they operate at poor efficiency compared to modern boiler efficiency standards. Replacement of the boilers is recommended.
- 2 A base mounted hot water pump and an inline hot water pump circulate the heating hot water to the classroom unit ventilators. The base mounted pump is original equipment and has exceeded its normally expected life. Replacement parts are difficult to obtain. It was also noted that the insulation is starting to deteriorate on the piping associated with this equipment. This unit is recommended for replacement.

Facilities Evaluation Process

Improvement Lists: Itemized, Priced, and Prioritized



Architects, Civil and MEP Engineers, and Kitchen Designers estimate costs for each work item individually

ITEMIZED ESTIMATED COSTS

- Estimates = 1 year window

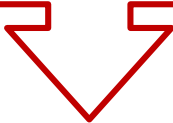
ARCHITECTURAL SURVEY		Cost
8	The ceiling tile & grid are showing signs of age and tiles are bowed at the edges due to humidity levels. Remove and replace with new ceiling tile & grid.	\$189,700
9	Significant amount of building wall cracking is present in the corridor walls as well inside most classrooms occurring at walls between classrooms, the corridor wall, and at the soffit that parallels the corridor wall. Cracking is moderate to high at a few locations. Repair cracking and repaint wall.	\$31,500
10	The wardrobe doors in classroom #065 have minor scratches and other damage. Refinish doors.	\$500
C. Interior of Building Evaluation (con't):		
11	Install bookshelves at removed unit vents and modify existing bookshelves at install of vertical air handler at 25 locations. Install new plastic laminate top over bookshelves.	\$93,800
12	The kitchen equipment is in poor condition and is aged. Remove and replace kitchen equipment.	\$181,400
13	Asbestos should be assumed to be present in all subsurface tars, glues, mastics, caulking, drywall, spackling compounds, and window glazing. Asbestos is also present in 9" floor tile and mastic covering 21,500 sf dispersed throughout the building. Cost for asbestos mitigation is not included in this study.	TBD
Interior of Building Evaluation Sub-Total:		\$640,900
D. Heating, Ventilation and Air Conditioning (HVAC) Evaluation:		
1	Building heating hot water is provided by two cast iron coal fired boilers installed in 1991. The boilers are manufactured by Kewanee 2100 MBH water, 63 HP output. The units are in fair condition considering their age, but they operate at poor efficiency compared to modern boiler efficiency standards. Replacement of the boilers is recommended.	\$550,000
2	A base mounted hot water pump and an inline hot water pump circulate the heating hot water to the classroom unit ventilators. The base mounted pump is original equipment and has exceeded its normally expected life. Replacement parts are difficult to obtain. It was also noted that the insulation is starting to deteriorate on the piping associated with this equipment. This unit is recommended for replacement.	Included in D1

Facilities Evaluation Process

Improvement Lists: Itemized, Priced, and Prioritized



Architect, Engineers, and SD Team prioritize the work items and assign ranking to each work item



RANK 1

HIGH PRIORITY

RANK 2

MEDIUM PRIORITY

RANK 3

LOW PRIORITY

FUTURE CONSIDERATION

RANK 4

OPTIONAL

SEPARATE FUTURE PROJECTS

ARCHITECTURAL SURVEY		Cost	Rank
8	The ceiling tile & grid are showing signs of age and tiles are bowed at the edges due to humidity levels. Remove and replace with new ceiling tile & grid.	\$189,700	1
9	Significant amount of building wall cracking is present in the corridor walls as well inside most classrooms occurring at walls between classrooms, the corridor wall, and at the soffit that parallels the corridor wall. Cracking is moderate to high at a few locations. Repair cracking and repaint wall.	\$31,500	1
10	The wardrobe doors in classroom #065 have minor scratches and other damage. Refinish doors.	\$500	2
C. Interior of Building Evaluation (con't):			
11	Install bookshelves at removed unit vents and modify existing bookshelves at install of vertical air handler at 25 locations. Install new plastic laminate top over bookshelves.	\$93,800	1
12	The kitchen equipment is in poor condition and is aged. Remove and replace kitchen equipment.	\$181,400	1
13	Asbestos should be assumed to be present in all subsurface tars, glues, mastics, caulking, drywall, spackling compounds, and window glazing. Asbestos is also present in 9" floor tile and mastic covering 21,500 sf dispersed throughout the building. Cost for asbestos mitigation is not included in this study.	TBD	
Interior of Building Evaluation Sub-Total:		\$640,900	
D. Heating, Ventilation and Air Conditioning (HVAC) Evaluation:			
1	Building heating hot water is provided by two cast iron coal fired boilers installed in 1991. The boilers are manufactured by Kewanee 2100 MBH water, 63 HP output. The units are in fair condition considering their age, but they operate at poor efficiency compared to modern boiler efficiency standards. Replacement of the boilers is recommended.	\$550,000	1
2	A base mounted hot water pump and an inline hot water pump circulate the heating hot water to the classroom unit ventilators. The base mounted pump is original equipment and has exceeded its normally expected life. Replacement parts are difficult to obtain. It was also noted that the insulation is starting to deteriorate on the piping associated with this equipment. This unit is recommended for replacement.	Included in D1	

Schuylkill Valley Elementary School

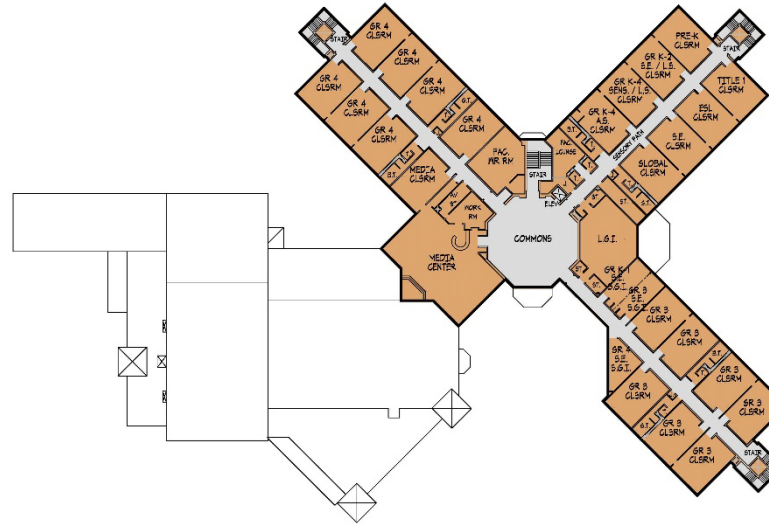
Existing Conditions

Grades **K-4**

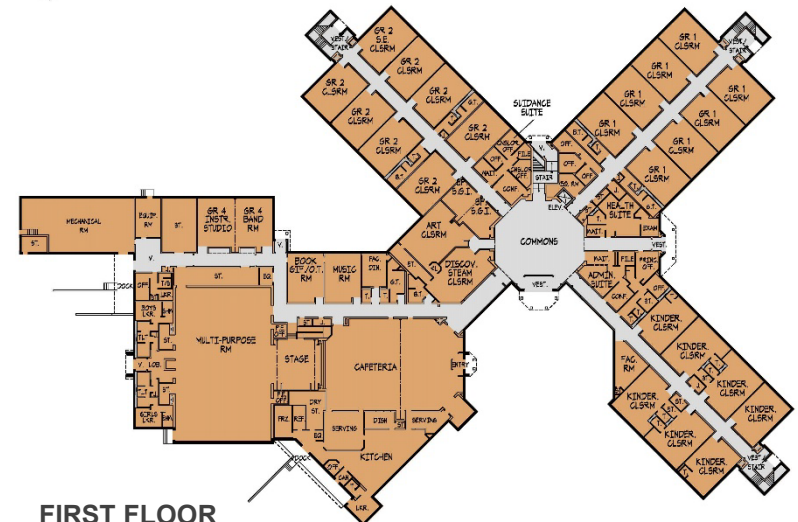
Built: 1993
Site: 110.41 acres*
Area: 112,000 SF
District Capacity: 792
2019-20 Enrollment: 791

FACILITIES IMPROVEMENTS:

- Overall Campus Site Improvement
- Roof Rehabilitation / Repair
- Energy Efficient Doors & Windows
- Interior Finishes
- Casework Replacement
- Kitchen Equipment Upgrades
- MEP Replacement
- Safety / Security Upgrades
- Building Code Upgrades
- Accessibility Upgrades
- Fire Protection System Install



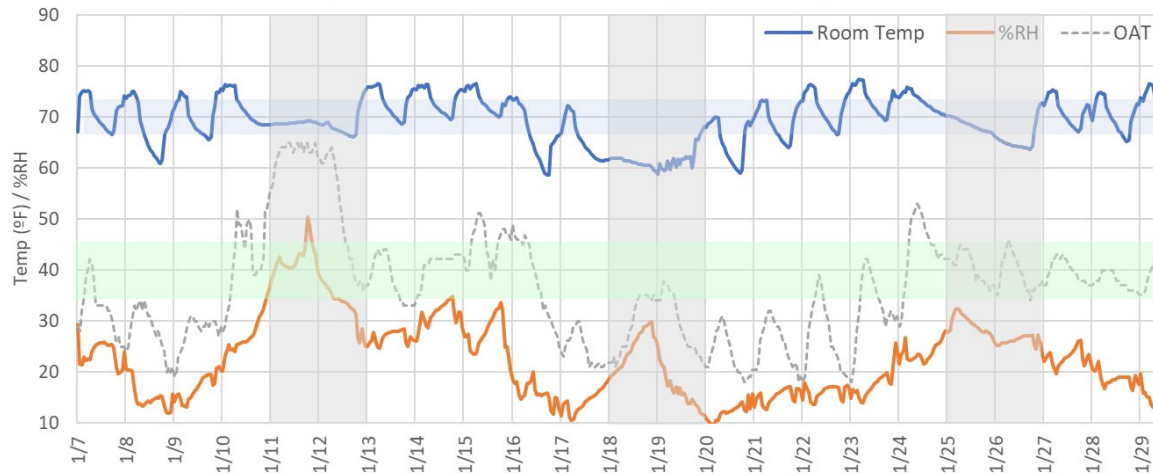
SECOND FLOOR



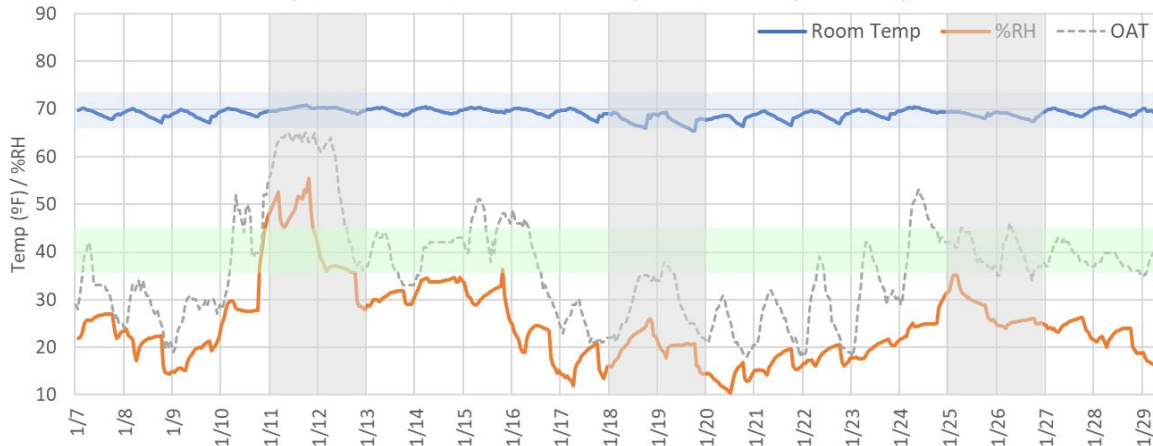
FIRST FLOOR

Elementary School

Temperature & Relative Humidity - Elementary B204



Temperature & Relative Humidity - Elementary - Library





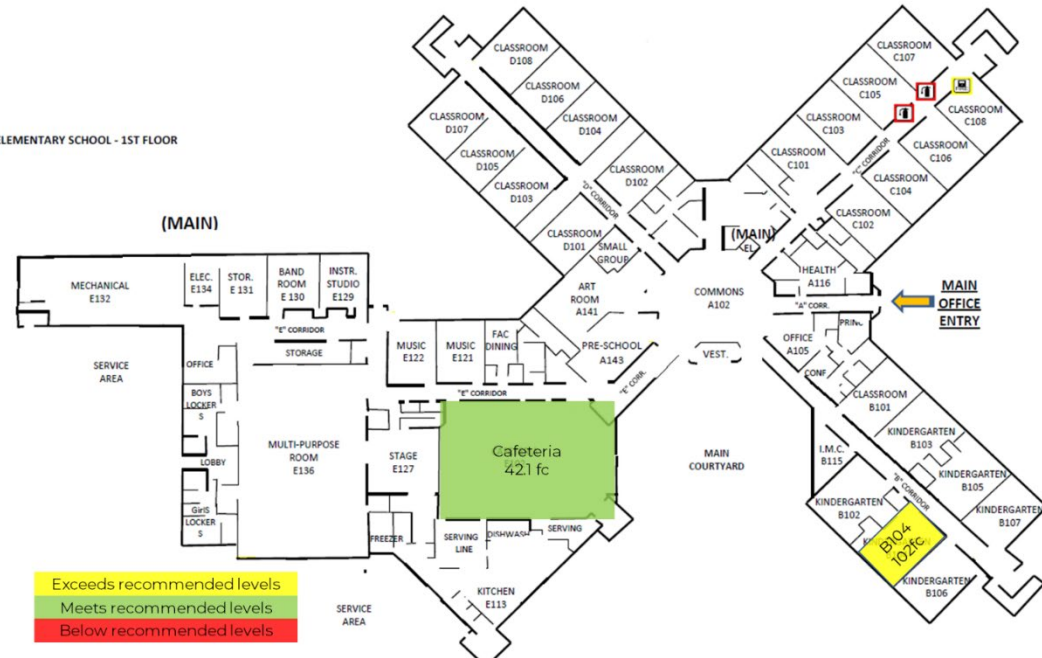
Elementary School

Room #	Space Type	Sound Level (dB)
B204	Classroom - General	43.9
B104	Classroom - General	0.0
Library	Library - Reading/Studying	44.6



Sound Levels

ELEMENTARY SCHOOL - 1ST FLOOR



Lighting Levels – Foot-Candles

Schuykill Valley Middle School

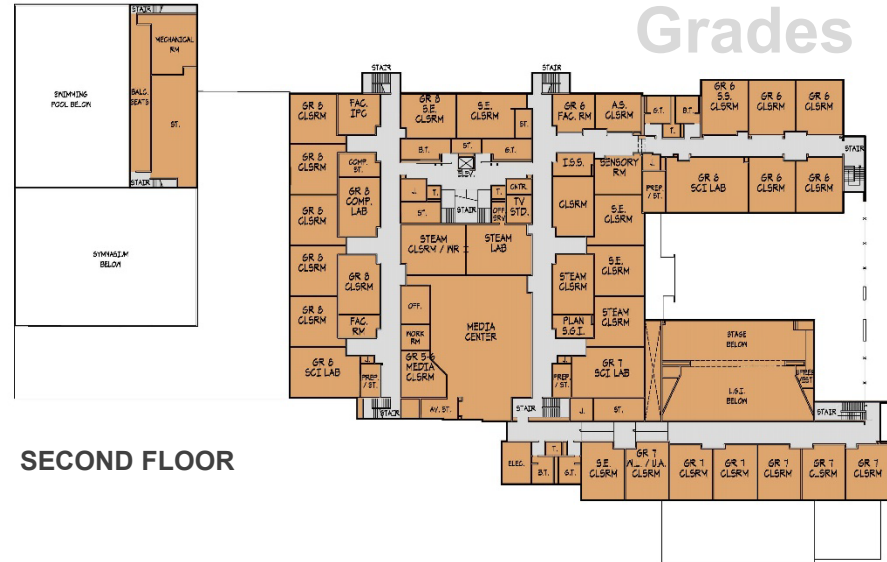
Existing Conditions

Grades **5-8**

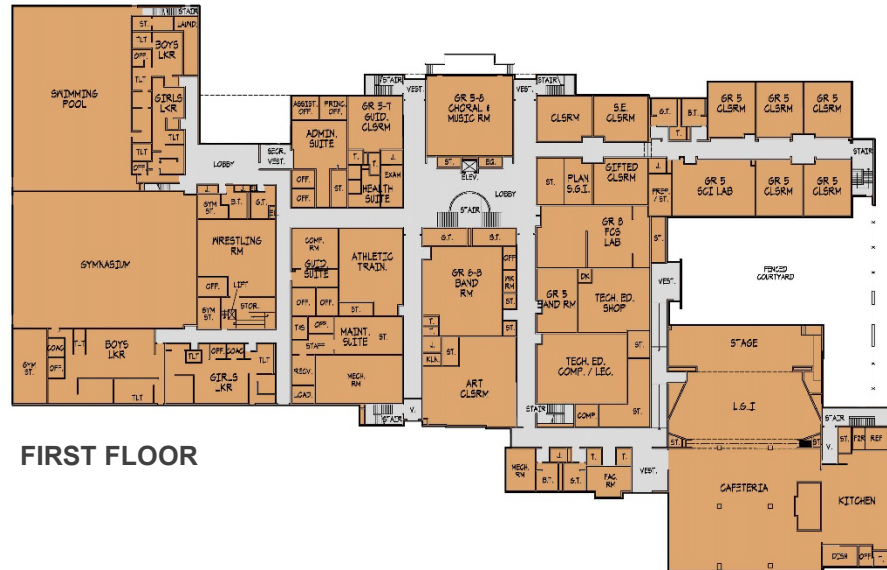
Built: 1974(B), 1998(A), 2007(A&A)
Site: 110.41 acres*
Area: 152,000 SF
District Capacity: 718
2019-20 Enrollment: 684

FACILITIES IMPROVEMENTS:

- Overall Campus Site Improvement
- Roof Rehabilitation / Repair
- Exterior Wall Repair / Cleaning
- Limited Interior Finishes Upgrades
- Limited Interior Acoustic Improvement
- Limited MEP Upgrades
- Building Code Upgrades
- Accessibility Upgrades



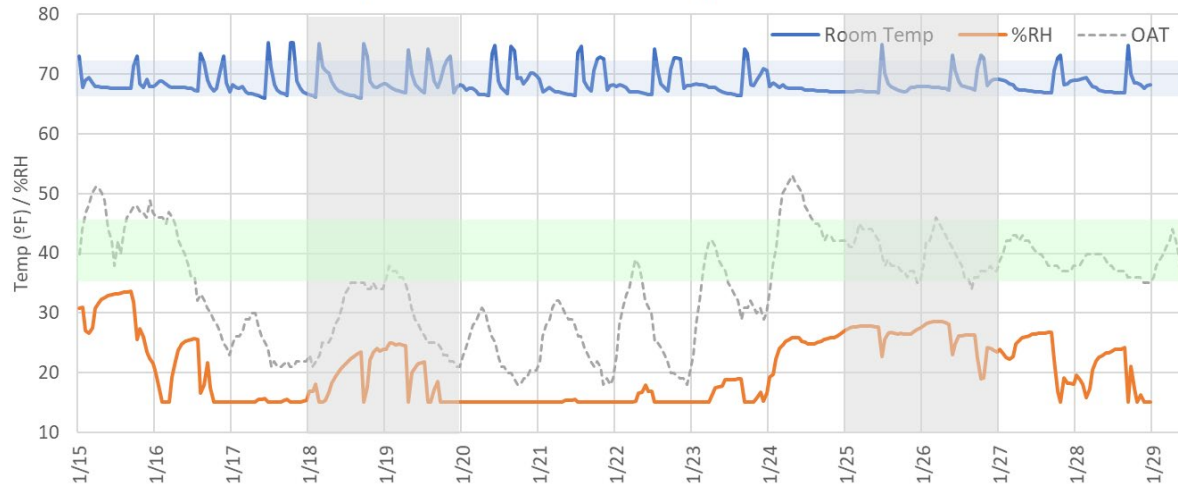
SECOND FLOOR



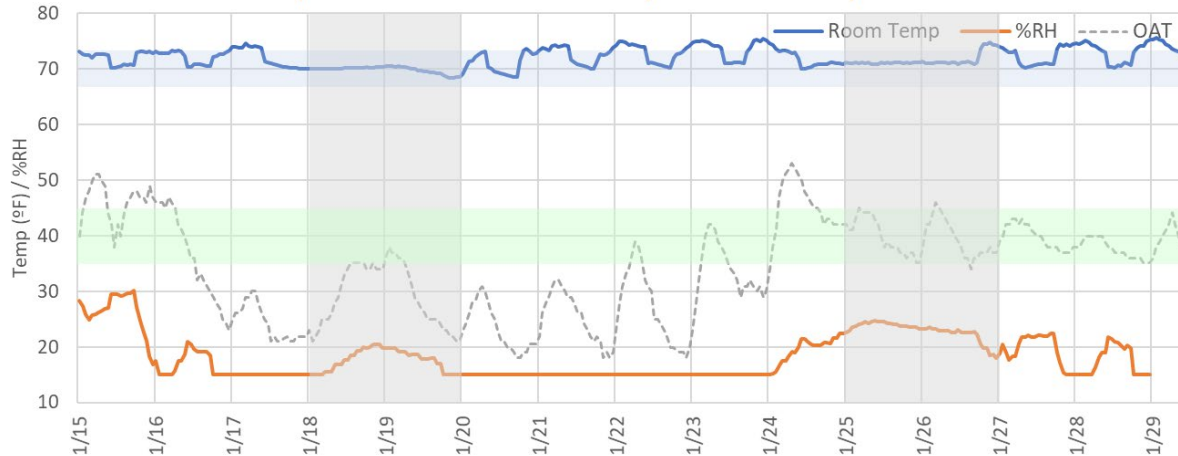
FIRST FLOOR

Middle School

Temperature & Relative Humidity - Middle D109



Temperature & Relative Humidity - Middle Library

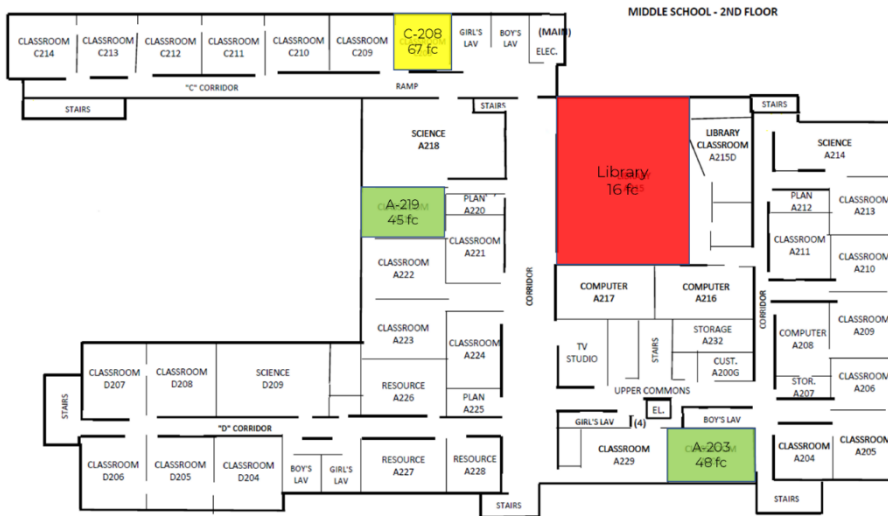


Schuykill Valley SD Feasibility Study

Existing Conditions – MEP

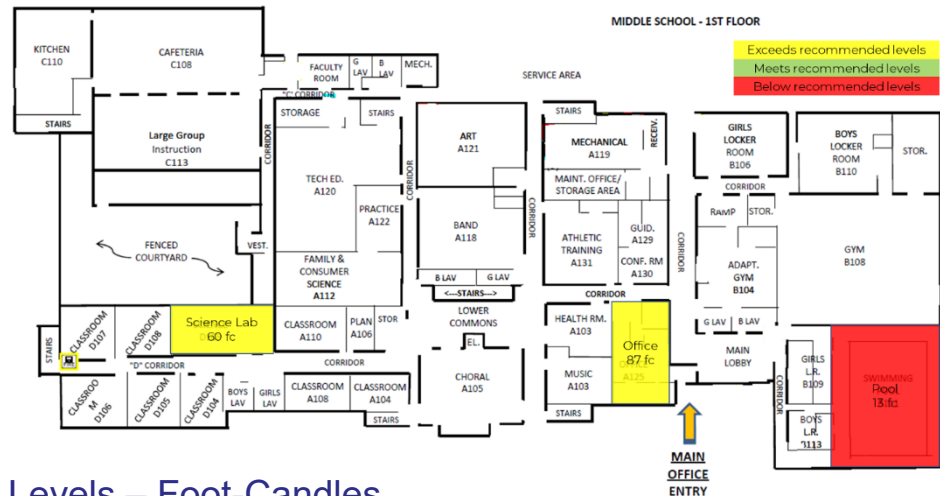


Middle School



Room #	Space Type	Sound Level (dB)
D109	Classroom - General	52.6
C208	Classroom - General	0.0
A219	Classroom - General	50.3
Library	Library - Reading/Studying	42.1

Sound Levels

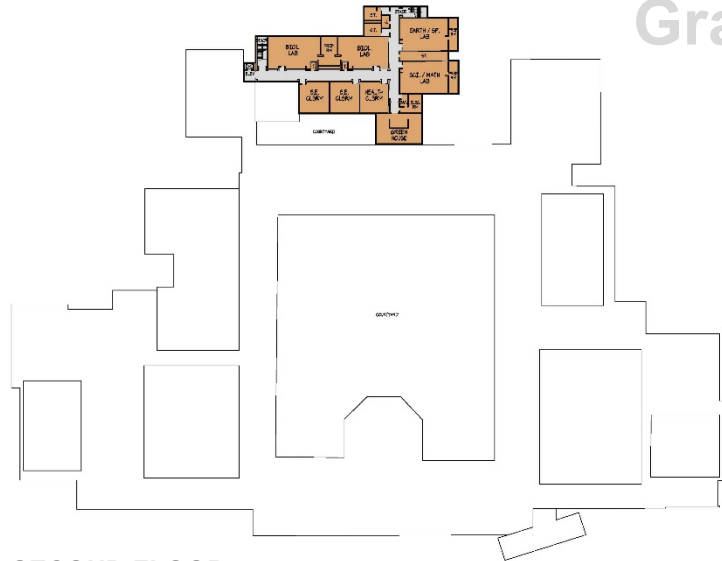


Lighting Levels – Foot-Candles

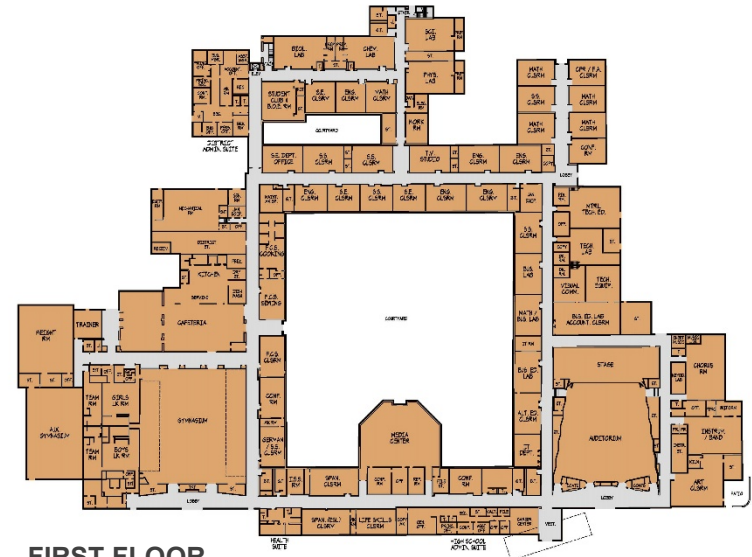
Built: 1959(B), 1995(A&A)
2000(DAO, A&A), 2006(A&A)
Site: 110.41 acres*
Area: 182,000 SF (with DAO)
District Capacity: 752
2019-20 Enrollment: 636

FACILITIES IMPROVEMENTS:

- Overall Campus Site Improvement
- Roof Rehabilitation / Repair
- Exterior Wall Repair / Cleaning
- Limited Interior Finishes Upgrades
- Limited Interior Acoustic Improvement
- MEP Upgrades
- Building Code Upgrades
- Accessibility Upgrades



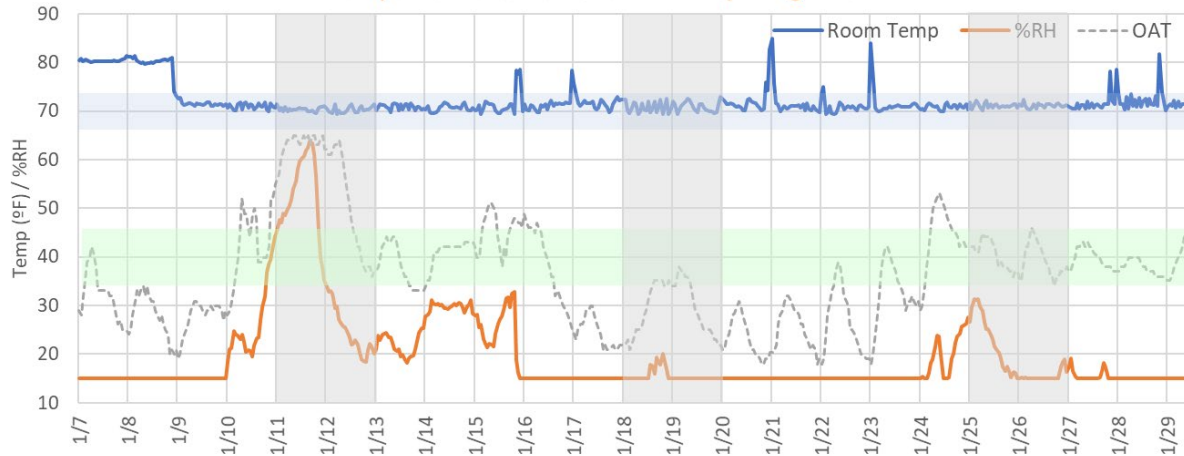
SECOND FLOOR



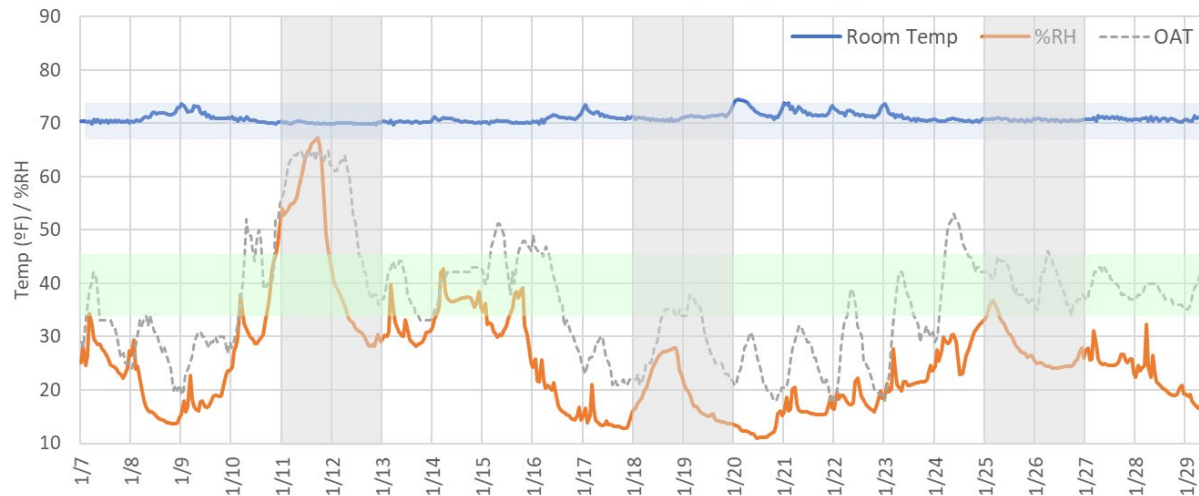
FIRST FLOOR

High School

Temperature & Relative Humidity - High D31

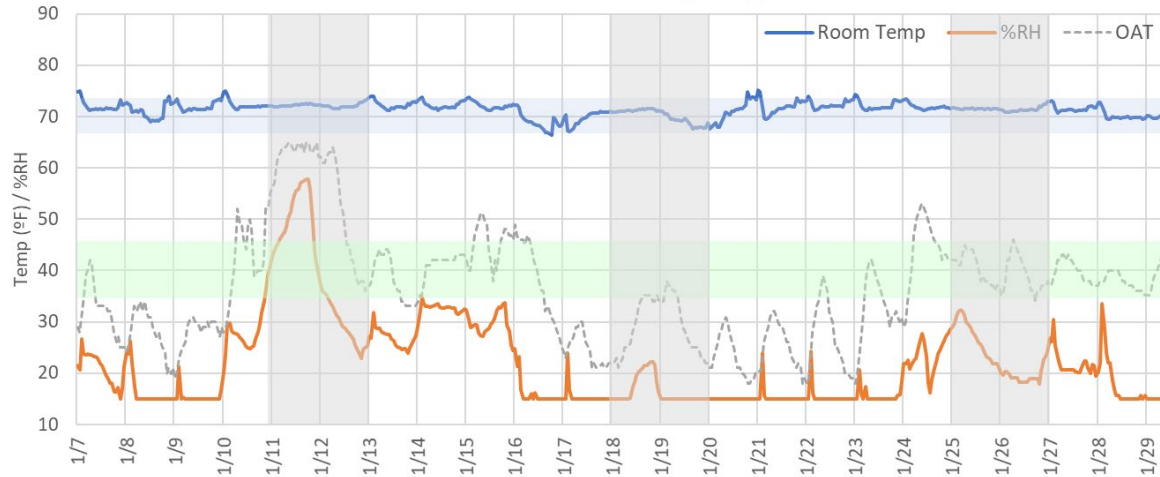


Temperature & Relative Humidity - High Weight RM

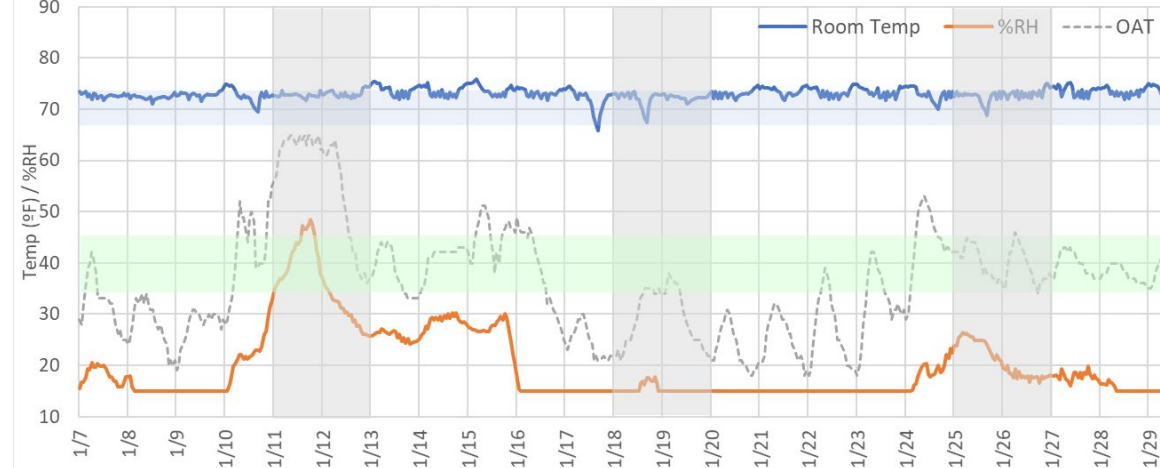


High School

Temperature & Relative Humidity - High Cafeteria



Temperature & Relative Humidity - DAO

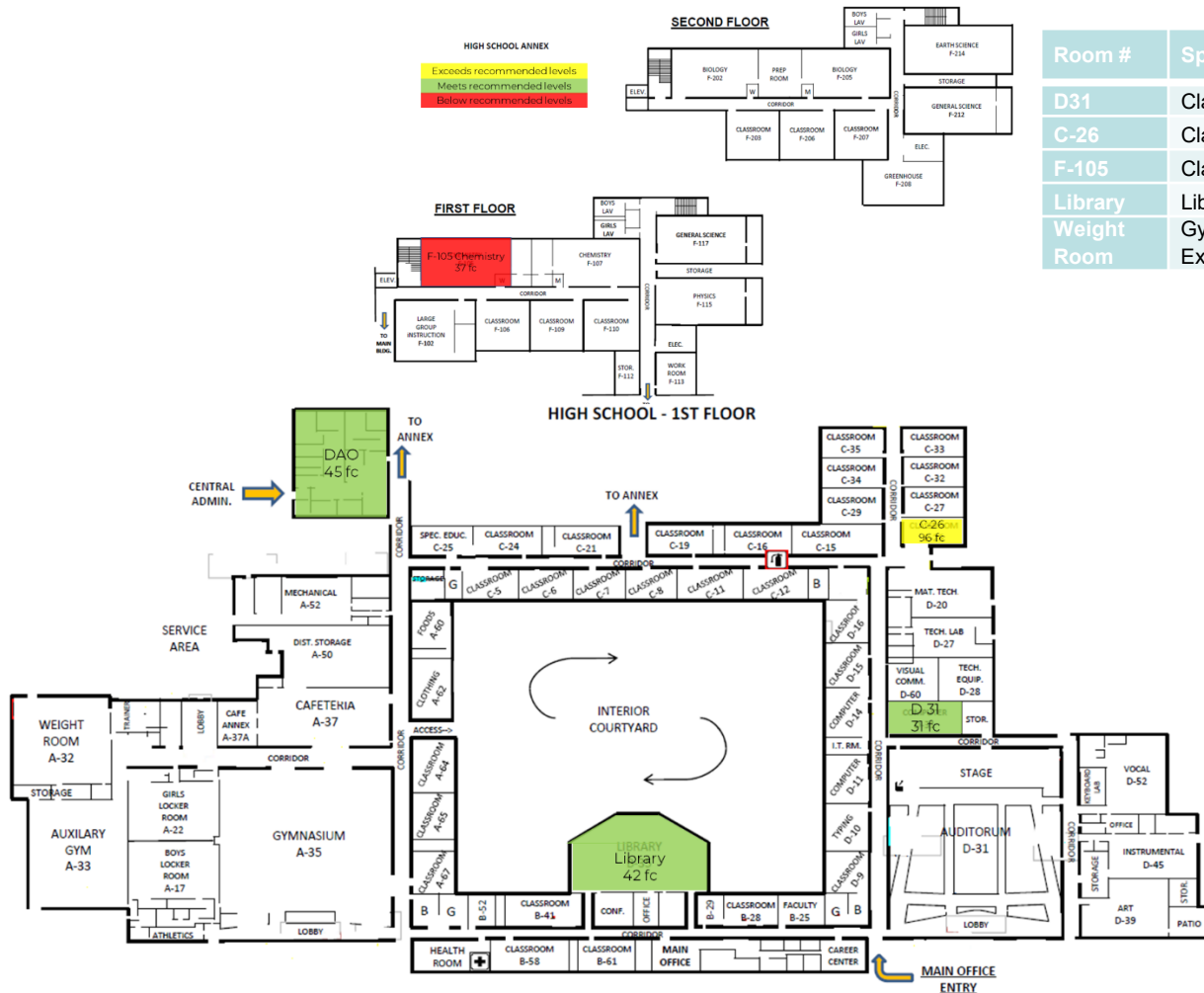


Schuykill Valley SD Feasibility Study

Existing Conditions – MEP



High School



Room #	Space Type	Sound Level (dB)
D31	Classroom - General	42.5
C-26	Classroom - General	48.1
F-105	Classroom - General	44.5
Library	Library - Reading/Studying	51.3
Weight Room	Gymnasium - General Exercise	49.8

Sound Levels

Lighting Levels – Foot-Candles

Schuylkill Valley School District

Summary - Building Improvement Construction Costs

Elementary School

		Cost per SF
SITE EVALUATION	\$172,000.00	\$1.54 / SF
EXTERIOR EVALUATION	\$2,134,600.00	\$19.06 / SF
INTERIOR EVALUATION	\$3,432,400.00	\$30.65 / SF
HVAC EVALUATION	\$3,824,300.00	\$34.15 / SF
PLUMBING EVALUATION	\$0.00	\$0.00 / SF
ELECTRICAL EVALUATION	\$254,200.00	\$2.27 / SF
SUB-TOTAL*	\$9,817,500.00	\$87.66 / SF
CODE EVALUATION	\$517,800.00	\$4.62 / SF
SAFETY & SECURITY EVALUATION	\$220,000.00	\$1.96 / SF
MISCELLANEOUS UPGRADES	\$450,000.00	\$4.02 / SF
BUILDING TOTAL*	\$11,005,300.00	\$98.26 / SF
CODE EVALUATION - Fire Supression System Upgrade **	\$360,000.00	\$3.21 / SF

	Construction Cost	Total Project Cost
RANK 1 Sub-Total Cost (High Priority)	\$6,255,500.00	\$7,819,400.00
RANK 2 Sub-Total Cost (Medium Priority)	\$1,344,800.00	\$1,681,000.00
RANK 3 Sub-Total Cost (Low Priority)	\$2,037,300.00	\$2,546,600.00
RANK 4 Sub-Total Cost (Optional / Consideration)	\$1,367,700.00	\$1,709,600.00
RANK - TOTAL COST *	\$11,005,300.00	\$13,756,600.00
Fire Supression System Upgrade (**TBD if needed for projects)	\$360,000.00	\$450,000.00

Schuylkill Valley School District

Summary - Building Improvement Construction Costs

Middle School

	Construction Cost	Total Project Cost
		Cost per SF
SITE EVALUATION	\$218,800.00	\$1.44 / SF
EXTERIOR EVALUATION	\$1,663,700.00	\$10.95 / SF
INTERIOR EVALUATION	\$343,800.00	\$2.26 / SF
HVAC EVALUATION	\$3,643,400.00	\$23.97 / SF
PLUMBING EVALUATION	\$0.00	\$0.00 / SF
ELECTRICAL EVALUATION	\$332,400.00	\$2.19 / SF
SUB-TOTAL*	\$6,202,100.00	\$40.80 / SF
CODE EVALUATION	\$327,000.00	\$2.15 / SF
SAFETY & SECURITY EVALUATION	\$0.00	\$0.00 / SF
MISCELLANEOUS UPGRADES	\$324,000.00	\$2.13 / SF
BUILDING TOTAL*	\$6,853,100.00	\$45.09 / SF
CODE EVALUATION - Fire Supression System Upgrade **	\$230,000.00	\$1.51 / SF
RANK 1 Sub-Total Cost (High Priority)	\$4,360,000.00	\$5,450,000.00
RANK 2 Sub-Total Cost (Medium Priority)	\$1,856,500.00	\$2,320,600.00
RANK 3 Sub-Total Cost (Low Priority)	\$0.00	\$0.00
RANK 4 Sub-Total Cost (Optional / Consideration)	\$636,600.00	\$795,800.00
RANK - TOTAL COST *	\$6,853,100.00	\$8,566,400.00
Fire Supression System Upgrade (**TBD if needed for projects)	\$230,000.00	\$287,500.00

Schuylkill Valley School District

Summary - Building Improvement Construction Costs

High School

		Cost per SF
SITE EVALUATION	\$1,694,000.00	\$9.31 / SF
EXTERIOR EVALUATION	\$2,836,000.00	\$15.58 / SF
INTERIOR EVALUATION	\$439,500.00	\$2.41 / SF
HVAC EVALUATION	\$5,049,800.00	\$27.75 / SF
PLUMBING EVALUATION	\$0.00	\$0.00 / SF
ELECTRICAL EVALUATION	\$371,500.00	\$2.04 / SF
SUB-TOTAL*	\$10,390,800.00	\$57.09 / SF
CODE EVALUATION	\$704,000.00	\$3.87 / SF
SAFETY & SECURITY EVALUATION	\$0.00	\$0.00 / SF
MISCELLANEOUS UPGRADES	\$450,000.00	\$2.47 / SF
BUILDING TOTAL*	\$11,544,800.00	\$63.43 / SF
CODE EVALUATION - Fire Supression System Upgrade **	\$610,000.00	\$3.35 / SF
CAMPUS SITE EVALUATION - Campus & Athletic Fields	\$2,451,600.00	\$13.47 / SF
	Construction Cost	Total Project Cost
RANK 1 Sub-Total Cost (High Priority)	\$6,145,800.00	\$7,682,300.00
RANK 2 Sub-Total Cost (Medium Priority)	\$3,077,000.00	\$3,846,300.00
RANK 3 Sub-Total Cost (Low Priority)	\$98,500.00	\$123,100.00
RANK 4 Sub-Total Cost (Optional / Consideration)	\$2,223,500.00	\$2,779,400.00
RANK - TOTAL COST *	\$11,544,800.00	\$14,431,100.00
Fire Supression System Upgrade (**TBD if needed for projects)	\$610,000.00	\$762,500.00
Campus Site Evaluation - Campus & Athletic Fields	\$2,451,600.00	\$3,064,500.00

Schuylkill Valley Elementary School

Existing Conditions

EDUCATIONAL PROGRAM IMPROVEMENTS:

- (2) Additional Graded Classrooms per Grade K-4
- Additional Support Classrooms
- (5) Additional Divided Support Classrooms (1 per Grade)
- Additional S.E. Seminar Room / S.G.I.
- Additional Art Classroom
- Add Auxiliary Gymnasium
- Enlarged Student Dining
- Enlarged Kitchen Area
- Enlarged Administration Office
- Additional Faculty Room / I.P.C.
- Additional Faculty Dining / Work Room



Schuylkill Valley Middle School

Existing Conditions

EDUCATIONAL PROGRAM IMPROVEMENTS:

- (2) Additional Graded Classrooms per Grade 5-8
- Additional Support Classroom
- (4) Additional Divided Support Classrooms (1 per Grade)
- Additional S.E. Seminar Room / S.G.I.
- Enlarged Administration Office



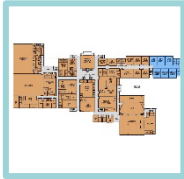

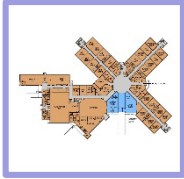



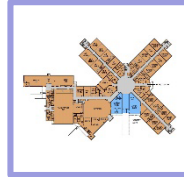
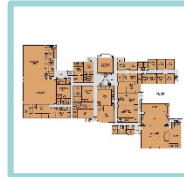

EDUCATIONAL PROGRAM IMPROVEMENTS:

- Additional Support Classrooms
- Additional Divided Support Classrooms
- Additional Conference /Seminar / S.G.I.
- Additional S.E. / Gifted Classroom
- Student Commons / L.G.I.
- Enlarged Kitchen Area



Schuylkill Valley SD Feasibility Study

Option Profiles Considered

	Elementary School	New Intermediate School	Middle School	High School
Option 1 (Status Quo)	K-4 	--	5-8 	9-12 
Option 2	K-3 	4-5 	6-8 	9-12 
Option 3	K-3 	--	4-6 	7-12 

OPTION 1

OPT 1

3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

K-4

Maintain K-4 Schuylkill Valley Elementary School
Recommended Alterations & Additions as required

5-8

Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required

OPTION PROS & CONS

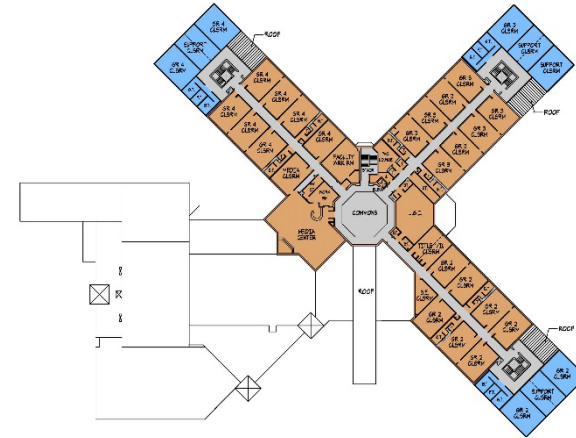
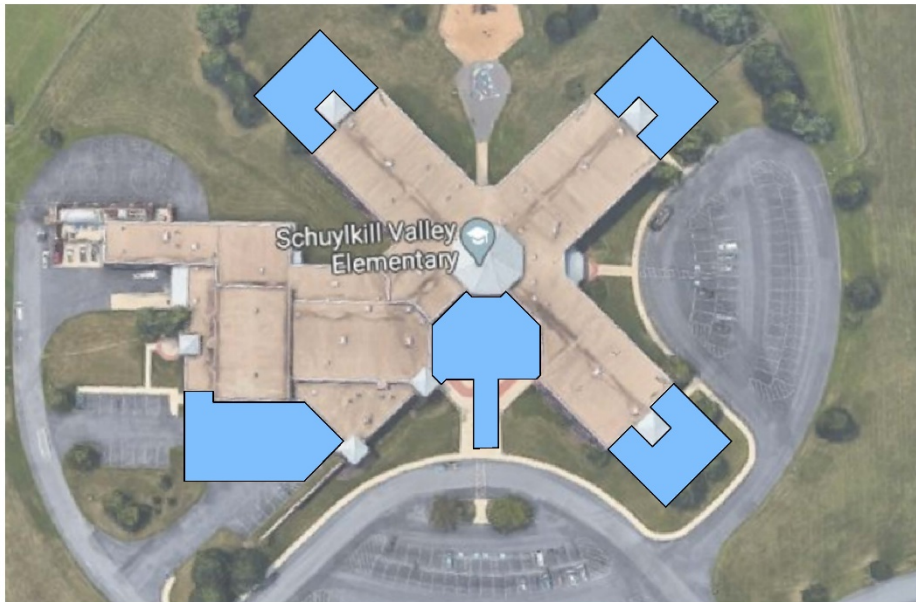
Pros

- Provides educational program upgrades for each grade structure.
- Capacity adequate for the projected student population.
- Less construction at M.S. and H.S. (most work consolidated at E.S.).
- Needed E.S. total renovations and the addition are combined as one project.
- Less expensive option.
- Maintains 3 schools on site.
- Less operational expenses.
- Provides views and daylight for the new administration suite and security improvement at main entry at E.S.
- Provides additional L.G.I. / Board Room at H.S. / D.A.O.

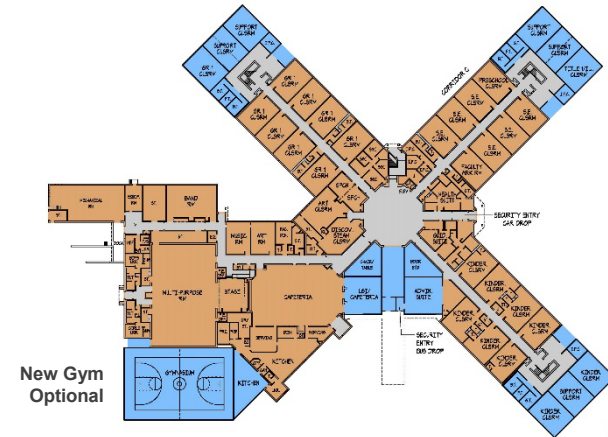
Cons

- Construction phasing and disruption of occupied H.S.
- Relocation of existing spaces in order to expand needed spaces at H.S.
- Driveway reconfiguration at M.S.

OPTION 1 Elementary School



SECOND FLOOR



FIRST FLOOR

New Gym
Optional



Design for
1000-1125
Students

OPT 1

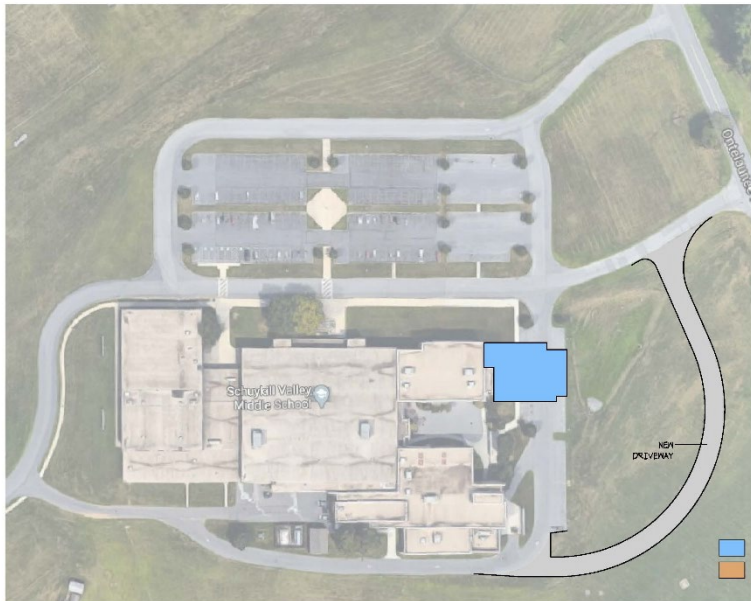
K-4

3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

Maintain K-4 Schuykill Valley Elementary School
Recommended Alterations & Additions as required

- EXISTING
- ALTERATION
- ADDITION

OPTION 1 Middle School



Design for
800-900
Students

OPT 1

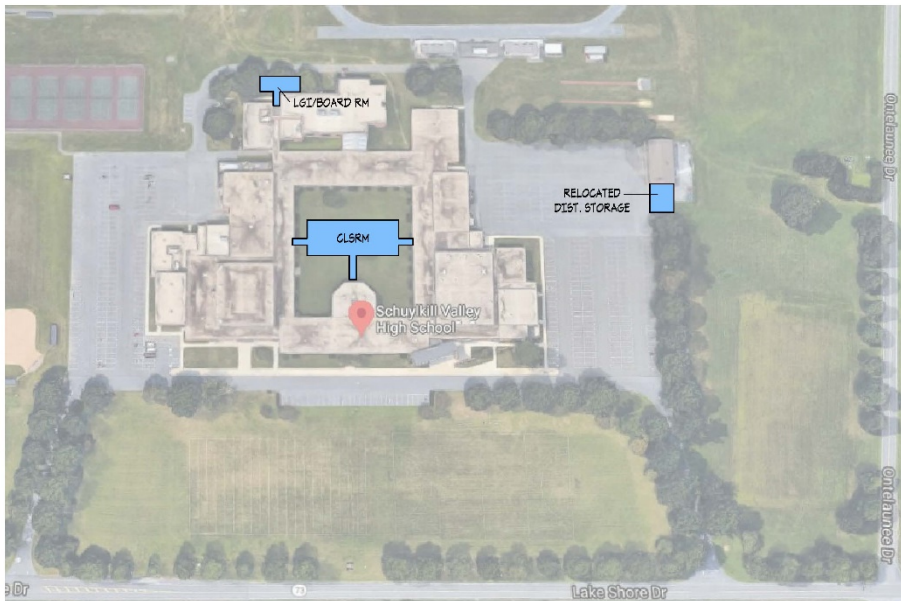
5-8

3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

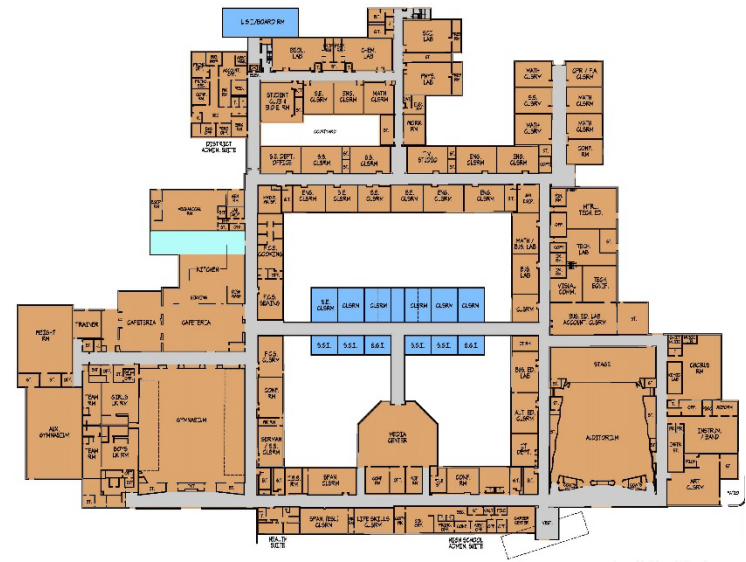
Maintain 5-8 Schuylkill Valley Middle School
Recommended Alterations & Additions as required



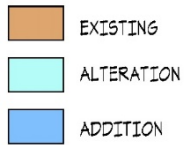
OPTION 1 High School



SECOND FLOOR



FIRST FLOOR



Design for
800-900
Students

OPT 1

9-12

3 SCHOOLS: K-4 E.S., 5-8 M.S. & 9-12 H.S.

Maintain 9-12 Schuykill Valley High School
Recommended Alterations & Additions as required

OPTION 2

OPT 2

4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-5

Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)

6-8

M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required

9-12

Maintain 9-12 Schuylkill Valley High School
Recommended Alterations & Additions as required

OPTION PROS & CONS

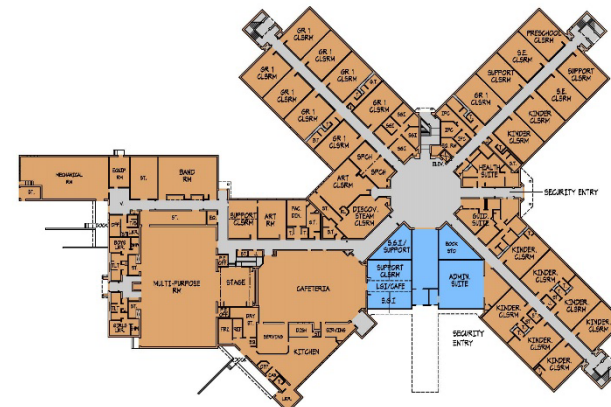
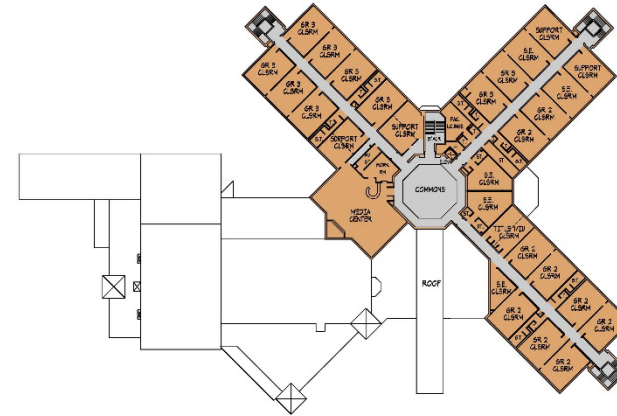
Pros

- Provides educational program upgrades for each grade structure.
- Capacity adequate for the projected student population.
- Less addition / construction at existing schools.
- Provides views, daylight, and security for the new administration suite at E.S.
- Provides additional L.G.I. / Board Room at H.S. / D.A.O.
- Simplify busing at E.S. and new I.S.
- Least disruption during construction.

Cons

- Four buildings on site. High operational expenses.
- Expensive option.

OPTION 2 Elementary School



Design for
800-900
Students

OPT 2

K-3

4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

- EXISTING
- ALTERATION
- ADDITION

OPTION 2 New Intermediate School



Design for
400-450
Students

OPT 2

4-5

4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

**Construct New 4-5 Intermediate School Building
(Relocate 4th grade from E.S. & 5th grade from M.S.)**

- EXISTING
- ALTERATION
- ADDITION

OPTION 2 Middle School



SECOND FLOOR



FIRST FLOOR

Design for
600-675
Students

OPT 2

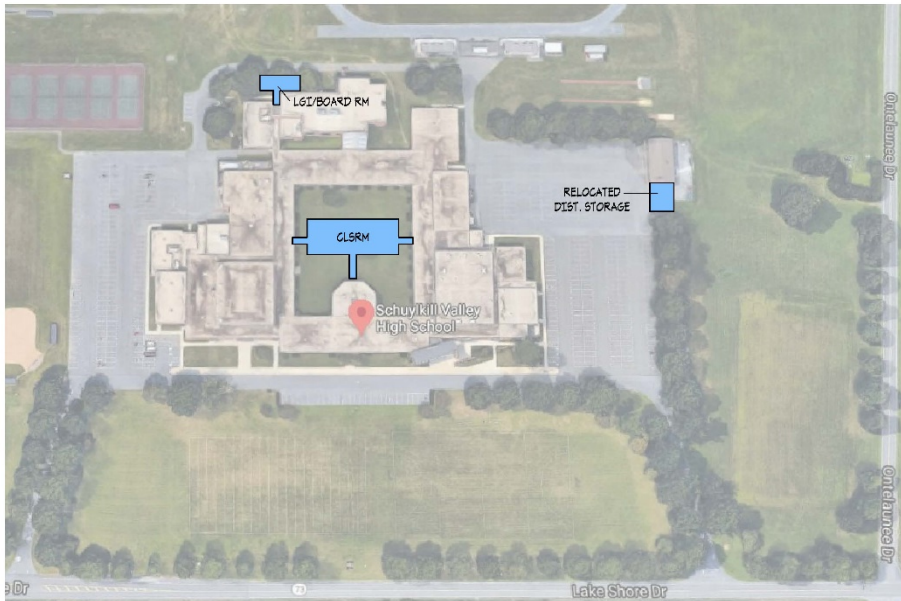
6-8

4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

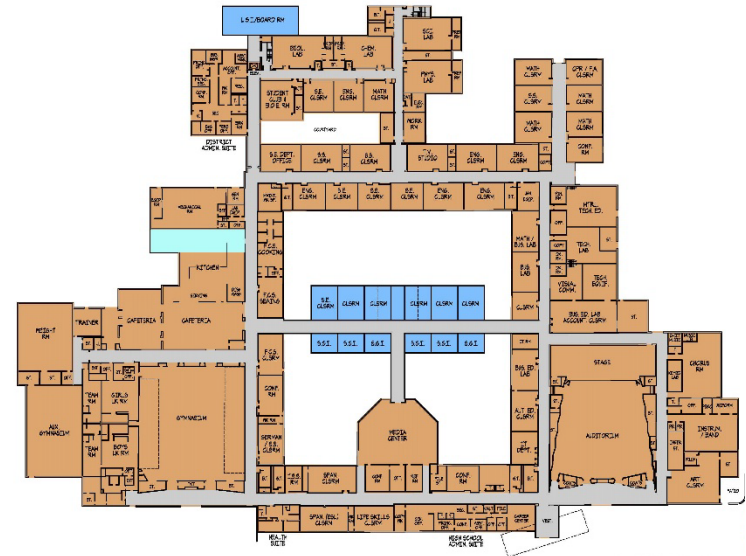
M.S. building grade re-alignment to 6-8 Middle School
Recommended Alterations as required

- EXISTING
- ALTERATION
- ADDITION

OPTION 2 High School



SECOND FLOOR



FIRST FLOOR

Design for
800-900
Students

OPT 2

9-12

4 SCHOOLS: K-3 E.S., 4-5 I.S., 6-8 M.S. & 9-12 H.S.

Maintain 9-12 Schuykill Valley High School
Recommended Alterations & Additions as required

EXISTING
ALTERATION
ADDITION

OPTION 3

OPT 3

3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

K-3

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

4-6

M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required

7-12

H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
Recommended Alterations & Additions as required

OPTION PROS & CONS

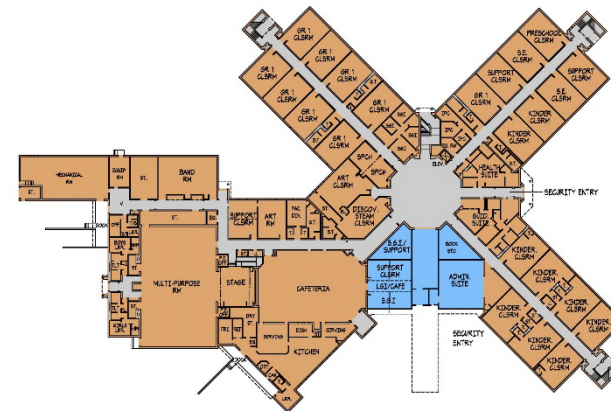
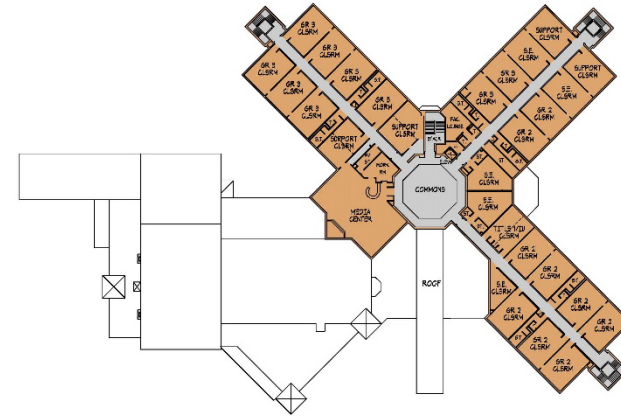
Pros

- Provides educational program upgrades for each grade structure.
- Capacity adequate for the projected student population.
- Less construction at E.S. and M.S. (most work consolidated at H.S.).
- Needed H.S. infrastructure renovations and the addition are combined as one project.
- Less expensive option.
- Provides views and daylight for the new administration suite and security improvement at main entry at E.S.
- Provides additional L.G.I. / Board Room at H.S. / D.A.O.

Cons

- Construction phasing and disruption of occupied H.S.
- Relocation of existing spaces in order to expand needed spaces at H.S.

OPTION 3 Elementary School



Design for
800-900
Students

OPT 3

K-3

3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

E.S. building grade re-alignment to K-3 Elementary School
Recommended Alterations & Additions as required

- EXISTING
- ALTERATION
- ADDITION

OPTION 3 Middle School



Design for
600-675
Students

OPT 3

4-6

3 SCHOOLS: K-3 E.S., 4-6 M.S. & 7-12 H.S.

M.S. building grade re-alignment to 4-6 Middle School
Recommended Alterations as required

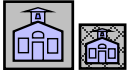
- EXISTING
- ALTERATION
- ADDITION

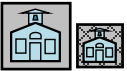
Schuylkill Valley SD Feasibility Study


Option Comparison

OPTION 1

- K-4**

 - Maintain K-4 Schuylkill Valley Elementary School
 - Recommended Alterations & Additions as required
- 5-8**

 - Maintain 5-8 Schuylkill Valley Middle School
 - Recommended Alterations & Additions as required
- 9-12**

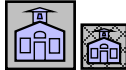
 - Maintain 9-12 Schuylkill Valley High School
 - Recommended Alterations & Additions as required


Total Construction Cost
\$52,799,800


Total Project Cost
\$66,000,000


OPTION 2

- K-3**

 - E.S. building grade re-alignment to K-3 Elementary School
 - Recommended Alterations & Additions as required
- 4-5**

 - Construct New 4-5 Intermediate School Building
 - (Relocate 4th grade from E.S. & 5th grade from M.S.)
- 6-8**

 - M.S. building grade re-alignment to 6-8 Middle School
 - Recommended Alterations as required
- 9-12**

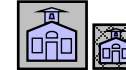
 - Maintain 9-12 Schuylkill Valley High School
 - Recommended Alterations & Additions as required


Total Construction Cost
\$59,439,800


Total Project Cost
\$74,300,000

OPTIONS 3

- K-3**

 - E.S. building grade re-alignment to K-3 Elementary School
 - Recommended Alterations & Additions as required
- 4-6**

 - M.S. building grade re-alignment to 4-6 Middle School
 - Recommended Alterations as required
- 7-12**

 - H.S. building grade re-alignment to 7-8, 9-12 Jr./Sr. High School
 - Recommended Alterations & Additions as required

Total Construction Cost
\$54,399,800

Total Project Cost
\$68,000,000

Schuylkill Valley SD Feasibility Study

Option Comparison

OPTION 1

	EST. CONST. COST	EST. TOTAL PROJ. COST
K-4	\$19.6M	\$24.5M
5-8	\$12M	\$15M
9-12	\$15.9M	\$19.8M
SITE	\$2.5M	\$3.1M
SUB-TOTAL	\$49.9M	\$62.4M
CMC	\$1.3M	\$1.6M
TOTAL	\$51.2M	\$64M

OPTION 2

	EST. CONST. COST	EST. TOTAL PROJ. COST
K-3	\$13.4M	\$16.7M
4-5	\$18M	\$22.5M
5-8	\$6.9M	\$8.6M
9-12	\$15.9M	\$19.8M
SITE	\$2.5M	\$3.1M
SUB TOTAL	\$56.6M	\$70.7M
CMC	\$1.3M	\$1.6M
TOTAL	\$57.8M	\$72.3M

OPTIONS 3

	EST. CONST. COST	EST. TOTAL PROJ. COST
K-3	\$13.4M	\$16.7M
4-6	\$6.9M	\$8.6M
7-12	\$28.8M	\$36M
SITE	\$2.5M	\$3.1M
SUB TOTAL	\$51.5M	\$64.4M
CMC	\$1.3M	\$1.6M
TOTAL	\$52.8M	\$66M

*Total Project Cost Includes construction cost of building and site / plus financing fees, contingency fund, moveable furniture, commissioning fees, construction testing / inspections, fees for Topographic / Geotechnical surveys, A/E fees, permit fees detailed estimates, and utility fees, etc.

Schuylkill Valley SD Feasibility Study

Option Comparison

RECOMMENDED OPTION 1

PHASE 1

Total Construction Cost Total Project Cost

ES Additions / Renovations

Totally renovate E.S. and add to accommodate enrollment growth

\$19.6M

\$24.5M

High School

Selective infrastructure replacement due to condition urgency (HVAC / Roofs)

\$4.4M

\$5.5M

Phase 1 Total:

\$24M

\$30M

PHASE 2

- After ES project is completed, evaluate enrollment growth for MS and HS at that time to determine the need for additions
- Wait until next reimbursable periods for MS and HS renovations
 - PDE allows reimbursement only one every 20 years
 - MS and HS received last reimbursements almost 13-14 years ago – State reimbursements might be available in next 6-7 years from now
 - Wait for moratorium to lift to receive reimbursements
- Balance of work of higher rank at MS and HS to scheduled in a 5-10 year long range plan

May 2020

School Board Authorizes Project Beginning

May / June 2020

Architect / Engineers Begin Production & Permits

September / October 2021

Bidding of Project

July / August 2023

Complete Construction / Move-In
(18-20 months maximum)

*Note: All governmental agency approvals must be in place before bid contract award; therefore, the target schedule is subject to length of agency review process.

- **Demographic Review**
(Student Enrollment, Population, Housing)
- **Facilities Study**
(Building Improvements & Construction Cost)
- **Educational Program Review**
(Requirements / Needs)
- **Solutions** (Construction Options)
- **Cost of Options**
- **Schedule**

Note: Study per PDE Requirements



Schuylkill Valley School District

District-Wide Feasibility Study

7 March 2020



EI
ASSOCIATES
ARCHITECTURE
ENGINEERING
PLANNING