

ACT 34 HEARING BOOKLET

School District of Springfield Township



For the
Proposed:

Construction of:
New K-2 Early Learning Center School

Date: October 19th, 2017
Time: 7:00 PM
Location: Springfield Township High School
Freeze Lobby
1801 East Paper Mill Road
Erdenheim, PA 19038



ARCHITECTURE

SCHRADERGROUP architecture, LLC
Design . Planning . Programming



PART I

Introduction



SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP ORELAND, PENNSYLVANIA

BOARD OF SCHOOL DIRECTORS

Gretchen Slapinsky, President
Katherine Lewis Sarsfield, Vice-President
Walter Lapidus, Board Member
Holly Kisailus, Board Member
Ben Rayer, Board Member
Dr. Karen Taratuski, Board Member
James Taylor, Board Member
John Chapman, Board Member
Jeannine DePaul-Nelson, Board Member

Kenneth King, School Board Secretary
Katie Braun, School Board Treasurer

DISTRICT ADMINISTRATION

Dr. Nancy M. Hacker, Superintendent
Dr. Carl Atkinson, Assistant Superintendent
Dr. Damian Johnston, Director of Special Education & Student Support Services
Lauren Patterson Davis, Supervisor of Educational Services
Kenneth King, Business Administrator
Katie Braun, Assistant Business Administrator
Craig Thorne, Director of Operations
Emily Kehr, Director of Human Resources
Rich Oliver, Director of Technology
Wayne Johnston, Director of Transportation

BUILDING ADMINISTRATION

Dr. Charles E. Rittenhouse, Springfield Township High School
Scott Zraggen, Assistant Principal, Springfield Township High School
Daniel Ortiz, Assistant Principal of Student Life and Athletic Director, Springfield Township High School
Zachary Fuller, Principal, Springfield Township Middle School
Jason Pane, Assistant Principal, Springfield Township Middle School
Andre' D. McLaurin, Principal, Erdenheim Elementary School
Meghan Markle, Assistant Principal, Erdenheim Elementary School
Catherine VanVooren, Principal, Enfield Elementary School



ARCHITECTS/ENGINEERS

SCHRADERGROUP Architecture, LLC
Philadelphia, PA

Snyder Hoffman Associates, Inc.
Mechanical/Electrical/Plumbing/Fire Protection/Technology
Engineering
Bethlehem, PA

SCHRADERGROUP Architecture, LLC
Structural Engineering
Lancaster, PA

Renew Design Group, Inc.
Civil Engineering/Land Development Approval/Landscape Architecture
Souderton, PA

McFarland Kistler & Associates, Inc.
Food Service
Pittsburgh, PA

CONSTRUCTION MANAGEMENT

D'Huy Engineering, Inc.

INDEPENDENT FINANCIAL ADVISOR

Public Financial Management, Inc.
Harrisburg, PA

DISTRICT SOLICITOR

Fox Rothschild LLP
Blue Bell, PA



ACT 34 HEARING AGENDA

NEW K-2 EARLY LEARNING CENTER
SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP
Oreland, PA

Location:
School District of Springfield Township
Springfield Township High School
Freeze Lobby
1801 East Paper Mill Road
Erdenheim, PA 19038

October 19, 2017
7:00 P.M.

- I. Opening Remarks..... Ms. Gretchen Slapinsky, President
Board of School Directors
School District of Springfield Township
- II. Hearing Duly Constituted..... Mr. Brian Subers, Partner
Solicitor
Fox Rothschild LLP
- III. Project History and Need for Construction..... Dr. Nancy Hacker
Superintendent of Schools
School District of Springfield Township
- IV. Project Options Considered Danielle V. Hoffer, AIA
SCHRADERGROUP Architecture, LLC
- V. Project Description David L. Schrader, AIA
SCHRADERGROUP Architecture, LLC

New Construction of: New K-2 Early Learning Center School

- a. Project Description
 - b. Site Plan
 - c. Floor Plan
 - d. Building Renderings
 - e. Room Schedules and Adjustments
 - f. Plancon D Cost Estimating
- VI. Analysis of Financial Alternatives Jamie Doyle
Public Financial Management
 - VII. Public Comments..... Mr. Brian Subers, Partner
Solicitor
Fox Rothschild LLP
 - VIII. Adjournment Ms. Gretchen Slapinsky, President
Board of School Directors
School District of Springfield Township



PART II

Hearing Duly Constituted



PURPOSE OF AN ACT 34 HEARING

THE PURPOSES FOR THIS HEARING ARE AS FOLLOWS:

1. To establish the need for the project by reviewing historical events leading to the Board's decision to proceed with a building program.
2. To review the various options considered by the Board prior to their decision to proceed with the project.
3. To describe the construction to occur at the New K-2 Early Learning Center and the educational program that serves as a basis for what is being proposed.
4. To present the estimated construction cost, the total project cost, the financial needs and an estimate of the local tax impact of the project.
5. To give citizens and residents the opportunity to comment and to pose questions. Act 34 of 1973 applies to all new construction in educational buildings:

Act 34 of 1973 applies only to costs for new construction and does not address the cost for alterations to existing structures. In addition, there are other excludable costs which are not factored into the Act 34 calculations including; site development costs, test borings and architectural/engineering fees on these items.

PLEASE NOTE: This is an opportunity for the administration and the professionals who are accountable to your Board of Education to describe and discuss the proposed project. It is not a debate, but a stenographer is present to receive and record comments and observations. Official record of the hearing is being documented in order that the Board can consider and study constructive comments or questions.

Any and all interested persons may appear at and attend the public hearing and will be granted a reasonable opportunity to be heard at this public hearing. Sign-in sheets are available in the Freeze Lobby of the Springfield Township High School at the time of the hearing. The Board will call upon individuals signing such sign-in sheets in the order in which they appear. Commentary will be limited to five (5) minutes per interested person. No person shall be allowed to speak a second time until all parties commenting the first time have been heard. The Board will allow public comment and/or questioning until the conclusion of the hearing.

Please feel welcome to participate during the comment period at the appropriate part of tonight's presentation. Thank you.

THE PUBLIC HAS THIRTY (30) DAYS FOLLOWING THIS HEARING UP TO AND INCLUDING MONDAY, NOVEMBER 20, 2017, TO MAKE WRITTEN COMMENTS ABOUT THE PROJECT.



SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP
Montgomery County, Pennsylvania
New K-2 Early Learning Center

RESOLUTION

WHEREAS, the Board of School Directors of this School District ("Board of School Director") has determined that a new K-2 Early Learning Center facility is required for the use of the pupils of this School District and has authorized preliminary steps to be taken with regard to this school project, consisting of planning, designing, constructing, and furnishing a new K-2 Early Learning Center (herein "Early Learning Center Project"); and

WHEREAS, the Pennsylvania Public School Code of 1949, as amended (the "School Code"), including amendments made pursuant to Act 34 of the Session of 1973 of the General Assembly ("Act 34"), requires, *inter alia*, that a public hearing be held prior to the construction, the entering into a contract to construct, or the entering into a contract to lease a new school building or a substantial addition to an existing school building; and

WHEREAS, in accordance with the requirements of Act 34 and the School Code, a public hearing is required to be held in conjunction with the K-2 Early Learning Center Project; and

WHEREAS, the School Code and related Pennsylvania Department of Education Building Standards requires that a notice of such public hearing under Act 34 be advertised at least twenty (20) days prior to such hearing and that certain information be made available to persons in attendance at such hearing and available for public inspection during the period of such advertisement; and

WHEREAS, the Board of School Directors desires to authorize its Solicitor, Superintendent, Business Manager, Architect, Financial Consultant, and others to take certain actions with respect to the Early Learning Center Project; and

WHEREAS, the School District desires to take certain action with respect to the Early Learning Center Project and to comply with Act 34 and the School Code.

NOW, THEREFORE, BE IT RESOLVED, by Board of School Directors of the School District of Springfield Township, Montgomery County, Pennsylvania, as follows:

1. The School District hereby authorizes a public hearing to be held in compliance with the requirements of Act 34 and the School Code, in the Freeze Lobby of the Springfield Township High School, 1801 East Paper Mill Road, Erdenheim, PA 19038, on Thursday, October 19, 2017, beginning at 7:00 PM, prevailing time.
2. The Secretary of the Board of School Directors is hereby authorized and directed to advertise the Notice of Public Hearing set forth in Exhibit "A", which is attached hereto and made a part hereof in accordance with the requirements hereof and of Act 34 and School Code.
3. This School District hereby authorizes the maximum project cost and maximum building construction cost for the Early Learning Center Project as follows:

Maximum Project Cost
\$39,172,137

Maximum Building Construction Cost
\$27,815,584

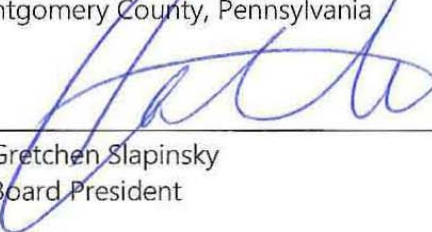


4. The Board of School Directors hereby authorizes and directs that project descriptions of the Early Learning Center Project be prepared and hereby directs the Superintendent of the School District to make copies of such descriptions of the Early Learning Center Project available to the public at the place and during the reasonable hours stated in the Notice of Public Hearing, after approval thereof by the Solicitor of this School District, and also to make such project descriptions available to the public media as required by Act 34, the School Code, and the regulations and standards of the Pennsylvania Department of Education.
5. This School District hereby authorizes Jeffrey T. Sultanik, Esquire, and the law firm of Fox Rothschild LLP, Blue Bell, Pennsylvania, Solicitor for the School District, to perform such acts on behalf of this School District as may be necessary in connection with the Early Learning Center Project.
6. This School District hereby authorizes the architectural firm known as SCHRADERGROUP Architecture, LLC, Project Architects for the designated K-2 Early Learning Center Project, to perform such acts on behalf of the School District as may be necessary in connection with the Early Learning Center Project.
7. This School District hereby authorizes the firm of Public Financial Management Group as financial consultant, to perform such acts on behalf of the School District as may be necessary in conjunction with the Early Learning Center Project.
8. This School District further authorizes the engagement of a court stenographer to transcribe the Act 34 proceedings, consistent with the intent of this Resolution.
9. This School District further authorizes its Officers, Administration, Solicitor, Financial Consultant, and Project Architect to take any and all necessary actions in order to effectuate the intent and purpose of this Resolution.

DULY ADOPTED, by the Board of School Directors of this School District, this 19th day of September 2017.

Attest: 
Kenneth King
Board Secretary

SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP
Montgomery County, Pennsylvania

By: 
Gretchen Slapinsky
Board President



CERTIFICATE

I, undersigned, Secretary of the Board of School Directors of the School District of Springfield Township, Montgomery County, Pennsylvania (the "School District"), hereby certify: that the foregoing is a true and correct copy of the Resolution, which was duly adopted by affirmative vote of a majority of all members of the Board of School Directors of the School District duly convened and held according to law on September 19, 2017 at which meeting a quorum was present; that said Resolution has been duly recorded in the minutes of the Board of School Directors of the School District; and that said Resolution is in full force and effect, without amendment, alterations, or repeal as of the date of this Certificate.

I further certify that the Board of School Directors of the School District met the advance notice requirements of the Sunshine Act, Act No. 1998-93 of the General Assembly of the Commonwealth of Pennsylvania, approved October 15, 1998, by advertising said meeting and posting prominently a notice of said meeting at the principal office of the School District or at the public building in which said meeting was held, all in accordance with such Act.

IN WITNESS WHEREOF, I set my hand and affix the official seal of the School District, this 19th day of September 2017.


Kenneth King
Board Secretary

(SEAL)



BOARD OF SCHOOL DIRECTORS OF THE
SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP

NOTICE OF PUBLIC HEARING IN ACCORDANCE WITH ACT 34
New K-2 Early Learning Center

TO: ALL RESIDENTS OF THE SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP

Please take notice that a public hearing will be held in the Freeze Lobby at the Springfield Township High School, 1801 East Paper Mill Road, Erdenheim, PA 19038, on Thursday, October 19, 2017, at 7:00 PM, prevailing time, relating to the planning, designing, acquiring, construction, and furnishing of the New K-2 Early Learning Center, Montgomery County, Pennsylvania (herein "Early Learning Center Project").

A description of the Early Learning Center Project, including facts with respect to the educational, physical, administrative, budgetary and fiscal matters relating to the Early Learning Center Project, and certain other information, will be presented at the hearing and will be available to the public from Wednesday, September 20, 2017, until the public hearing, during regular business hours (8:00 AM to 4:00 PM) of the School District at the office of the Superintendent of the School District of Springfield Township located in the Administration Offices at 1901 East Paper Mill Road, Oreland, PA 19075.

The Board of School Directors of the School District ("Board") by Resolution duly adopted has authorized the following:

Maximum Project Cost
\$39,172,137

Maximum Building Construction Cost
\$27,815,584

This public hearing is being held with respect to the Early Learning Center Project pursuant to requirements of the Pennsylvania Public School Code of 1949, approved March 10, 1949, as amended and supplemented, including amendments made pursuant to Act 34 of the Session of 1973 of the General Assembly.

Residents and employees of the School District may submit written testimony regarding the Early Learning Center Project no later than 12:00 PM on Thursday, October 19, 2017. Such written testimony should be mailed via first class U.S. Mail or hand delivered (electronic mail shall not constitute acceptable delivery) to:

Dr. Nancy Hacker
Superintendent
School District of Springfield Township
1901 East Paper Mill Road
Oreland, PA 19075

The written testimony shall include the name and address of the person submitting the testimony, identification of the sender as a School District resident or employee, and a description of the support or objection to the Early Learning Center Project. To be of most benefit, a statement of objection should be followed by a viable alternative solution.




Any and all interested persons may further appear at and attend the public hearing and will be given reasonable opportunity to be heard at such public hearing. Sign-in sheets will be available in the Freeze Lobby of the Springfield Township High School Building at the time of the hearing. The Board will call upon individuals signing such sign-in sheets in the order in which they appear. Commentary will be limited to five (5) minutes per interested person. No person shall be allowed to speak a second time until all parties commenting the first time have been heard. The Board will allow public comment and/or questioning until the conclusion of the hearing

Written comments regarding the Early Learning Center Project will also be received by the Superintendent at the School District's administrative offices until 4:00 PM, Monday, November 20, 2017. Such written comments should be mailed via first class U.S. mail or hand delivered (electronic mail shall not be acceptable delivery) at the address noted above.

BY THE ORDER OF THE BOARD OF SCHOOL DIRECTORS

SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP
Montgomery County, Pennsylvania

BY: 
Kenneth King
Secretary of the Board of School Directors



PART III

Project History & Need for
Construction



PROJECT HISTORY AND NEED FOR CONSTRUCTION

Introduction

LOCATION

The School District of Springfield Township (SDST) is located in Springfield Township, Montgomery County, in southeastern Pennsylvania. The Township has a total area of 6.8 square miles of which, 6.8 square miles of it is land and 0.15% is water, and includes the villages of Wyndmoor, Erdenheim, Flourtown, and Oreland. The communities of Lafayette Hill, Fort Washington, Laverock, North Hills, Miquon, and Glenside are also partly inside the Township. The Township is bordered in Montgomery County by (clockwise from west) Whitemarsh Township to the west, Upper Dublin Township to the north, shares a corner with Abington Township to the northeast, and Cheltenham Township to the east. In Philadelphia, it is adjacent to Cedarbrook to the southeast (along Ivy Hill Rd.), shares a corner with East Mount Airy to the south (Stenton and Ivy Hill), and Chestnut Hill to the southwest (along Stenton Avenue).

From a combined population of approximately 21,000 residents in Springfield Township, the District educates over 2,518 students in grades K-12 (2017-18 enrollment). The District currently maintains four schools: Enfield Elementary School (K-1); Erdenheim Elementary School (2-5); Springfield Township Middle School (6-8); and Springfield Township High School (9-12).

The School District of Springfield Township has identified that it is their mission to “educate and develop all students as learners and citizens who are high-achieving, resilient and responsible in a changing global community”. The District maintains its facilities to support the goals of its educational plan.

Every reasonable effort has been made by the District over the years to assure that the facilities complement the programs and staff in delivering quality education and never become a hindrance or a detriment to the learning environment.

Project History

Currently the school district is comprised of four educational buildings split between two campuses. The main campus which is bisected by Route 309 includes Erdenheim Elementary School and the Springfield Township High School on the west side of 309; Springfield Township Middle School and the District Administration Building on the east side of 309. Just east of the middle school at the intersection of Paper Mill Road and Church Road is the third school, Enfield Elementary School. All students start Kindergarten at Enfield Elementary, grades K-1 and complete their elementary education at Erdenheim Elementary for grades 2-5. The students then transition to the secondary schools, Springfield Township Middle School, grades 6-8, and the Springfield Township High School, grades 9-12.

In 2010 the original aging Erdenheim Elementary School was replaced last construction project with a new facility. Previously the district had been operating two K-5 elementary schools at the Enfield and Erdenheim locations. Upon completion of the new Erdenheim Elementary School, a redistricting plan consolidated grades K-1 at Enfield and grades 2-5 at Erdenheim.



Across the District the School District had been experiencing building capacity issues, building infrastructure deficiencies and decreased flexibility to deliver the educational program. In 2015, the School District commissioned a District-wide Facility Study to assess the current condition of the various district facilities and to work through a process to determine the best future course of action for the students of the district.

As part of this process, the design team met with the administrative staff and each of the building principals to discuss how the buildings effectively support the delivery of the educational program. The team made up of Architects; Mechanical, Plumbing and Electrical (MEP) Engineers; Site/Civil Engineers visited each of the District-owned facilities to evaluate the condition of the building including Accessibility and Code Related Deficiencies; the Physical Plant including the exterior and building envelope; Interior Finishes and MEP Systems. Each building was ranked by category from Excellent (4 points) to Failing (0 points) in order to do an apples-to-apples conditions comparison of District's facilities.

In order to fully evaluate a school districts future facilities planning, options are developed to determine the extent of renovations and additions needed to bring the buildings up to code, to review how the buildings are able to support the projected enrollments and deliver the educational program, and to determine the cost of the proposed options. Specific attention was paid to the analysis of how projected enrollments and the current grade configurations accommodate the transition of all the students from one building to the next.

Key Planning Considerations

K-2 Primary Center:

- Enfield Elementary school currently houses full-day kindergarten to support the students of Springfield Township from an early age. The current grade structure is grades K-1 supporting two years of instruction before they move to Erdenheim Elementary for four years for grades 2-5. Given the age of the students at first grade, minimizing a school transition to a larger school at such an early age was a consideration for planning. Providing an additional year at a primary center affords the students the opportunity to be both emotionally and academically better suited to be part of an intermediate level school model for grades 3-5. Therefore, options consider moving the 2nd grade out of Erdenheim Elementary School to accommodate grades 3-5 and to create a K-2 Primary Center at Enfield Elementary School.

New School Opportunities:

- Options that consider new school construction have the opportunity to create schools that are better positioned for 21st century instruction and programs. A new school design is not restricted by the limitations of the existing building sizes, arrangements and configurations.

School Renovation Opportunities:

- Options that consider renovations to a school are derived from the review of the program, the schools' capacity and condition of the building. All things considered, renovations may include either a portion of the building or a comprehensive building-wide upgrade including the building envelope (roof, exterior walls, windows and doors) and mechanical, electrical and plumbing systems.



Enrollment Projections

School Districts are required by Pennsylvania Department of Education (PDE) to update their enrollment projections periodically. PDE also maintains District enrollment projections that can be used as a comparison for planning.

In the Spring of 2014, SDST evaluated its long-term needs by examining current and projected demographic trends, academic programming needs, facility conditions, and capacity utilization. To assist in these efforts, SDST engaged The Montgomery County Planning Commission (MCPC) to develop an updated Enrollment Projection Document. This document focuses on average birth rates, however it also utilizes updated community development information as provided by SDST and as gathered from the municipalities. MCPC developed four Cohort Progression Model options, based on future birth estimates and/or housing adjustments. MCPC recommended Option 3 for "Housing Adjustments with Base Future Births" as the most realistic or likely result at that time. Based on MCPC's projections from April 2014, K-12 enrollment was expected to peak in 2023-24 to 2,603 adding 294 K-12 students. To ensure that the district was using the most accurate projection numbers, MCPC did an update in June 2015 which confirmed that the population would peak in 2023-24 with 13 less students than originally anticipated the year before.

It should be noted that the December 30, 2016 PDE's enrollment projections show the enrollments peaking at 2,421 in 2018-19 slightly decreasing over the next 7 years. PDE's uses the Cohort Progression Methodology but does not factor in the current development activity from the municipalities.

SUMMARY OF OWNED BUILDINGS AND LAND

The following "Summary of Owned Buildings and Land" presents information about each facility in terms of projects completed, grade configurations, capacities and enrollments. Columns 3-5 represent the existing FTE capacities of the buildings and columns 7-9 represent the proposed FTE capacities of the facilities once this project is complete.



SUMMARY OF OWNED BUILDINGS AND LAND										
District/CTC: School District of Springfield Township					Project Name: Early Learning Center			Grades: K - 2		
PRESENT					PLANNED					
#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
NAME OF BUILDING OR SITE (INCLUDING DAO AND VACANT LAND) OWNED BY SCHOOL DISTRICT/CTC	CONSTRUCTION AND/OR RENOVATION DATES (BID OPENING DATES)	SITE SIZE (ACRES)	GRADE LEVELS	BUILDING FTE	CONVERSION / DISPOSITION AND PLANNED COMPLETION DATE BASED ON OPTION CHOSEN	SITE SIZE (ACRES)	GRADE LEVELS	PLANNED BUILDING FTE	PDE PROJECTED GRADE LEVEL ENROLLMENT 10 YEARS INTO THE FUTURE	FTE MINUS ENROLLMENT (#9 - #10)
Enfield Elementary School	1948B, 1952, 1999	8.2	K-1	475	Close Fall 2019				XXXXXXXXXX	XXXXXXXXXX
New K-2 Early Learning Center (proposed on Antonelli School of Art and Photography; property currently owned and leased by the School District)	No previous PlanCon				Total Demo of Existing/ New Construction Complete for Spring 2020	10.5	K-2	900	XXXXXXXXXX	XXXXXXXXXX
Erdenheim Elementary School site shared with HS & Facilities	2008	44.1	2-5	825	Maintain Building Realign to grades 3-5 Fall 2020	44.1	3-5	825	XXXXXXXXXX	XXXXXXXXXX
Subtotal	XXXXXXXXXX	XXX	XXXX	1,300	XXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	1,725	994	731
Springfield Twp. Middle School site shared with District Offices	1958B, 1997, 2010	21	6-8	769	Maintain	21	6-8	769	XXXXXXXXXX	XXXXXXXXXX
Subtotal	XXXXXXXXXX	XXX	XXXX	769	XXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	769	544	225
Springfield Twp. High School site shared with Erdenheim ES & Facilities	2003	44.1	9-12	1,274	Renovations/ Additions Completed Fall 2019	44.1	9-12	1,322	XXXXXXXXXX	XXXXXXXXXX
Subtotal	XXXXXXXXXX	XXX	XXXX	1,274	XXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	1,322	788	534
Dist. Admin. Offices site shared with Middle School	1958, 1967, 2003, 2014	21			Maintain	21			XXXXXXXXXX	XXXXXXXXXX
Facilities Building (site shared with HS & Erdenheim ES)	1963	44.1			Maintain	44.1			XXXXXXXXXX	XXXXXXXXXX
Bus Garage	1980	2.2			Maintain	2.2			XXXXXXXXXX	XXXXXXXXXX
Antonelli School of Art and Photography		10.5			Demolish				XXXXXXXXXX	XXXXXXXXXX
Subtotal	XXXXXXXXXX	XXX	XXXX		XXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX			
TOTAL	XXXXXXXXXX	XXX	XXXX	3,343	XXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	3,816	2,326	1,490
<p align="center">ACTIONS TO BE TAKEN IN THE FUTURE IF PROJECTIONS COME TRUE AND THE SCHOOL DISTRICT EXPERIENCES EXCESS OR INSUFFICIENT CAPACITY (FTE MINUS PROJECTED ENROLLMENT (Col. 11) > + or - 300)</p> <p>CHECK IF APPLICABLE:</p> <p>_____ EXPAND PROGRAMS OR COURSE OFFERINGS</p> <p>_____ PROVIDE SPACE FOR USE BY COMMUNITY GROUPS OR SERVICE AGENCIES</p> <p>_____ OFFER FULL-TIME KINDERGARTEN OR PRE-SCHOOL</p> <p>_____ REDUCE CLASS SIZE</p> <p>_____ CLOSE SCHOOL(S)</p> <p>_____ OTHER (DESCRIBE): _____</p>										

REVISED JULY 1, 2010

FORM EXPIRES 6-30-12

PLANCON-A09



The Montgomery County Planning Commission Projected Enrollments prepared in April 2014 were used as the basis for the study.

School District of Springfield Township
Projected Enrollment by Grade
Referencing Recommended Option 3 - Housing Adjustments with Base Future Birth Estimate

Grade	2014-15 Projected	2014-15 Actual	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
K	202	212	189	186	173	178	179	179	179	179	179	179
1	190	193	218	194	190	177	182	183	183	183	183	183
2	201	193	194	219	194	191	177	183	184	184	184	184
3	193	199	194	195	220	195	192	178	184	185	185	185
4	171	171	205	200	201	226	201	197	183	189	190	190
5	174	177	172	206	201	201	227	201	198	184	189	190
6	192	189	183	177	212	207	207	233	207	203	189	195
7	170	164	193	186	180	216	210	211	237	211	207	193
8	195	190	168	197	190	184	220	214	215	242	215	211
9	146	141	187	165	194	186	181	216	211	211	238	211
10	156	160	145	192	169	198	191	185	221	216	216	243
11	149	158	158	143	188	166	194	187	182	217	212	212
12	164	162	157	157	142	187	165	193	186	180	216	210
Total	2,303	2,309	2,363	2,417	2,454	2,512	2,526	2,560	2,570	2,584	2,603	2,586

Source: Montgomery Planning Commission Report dated June 2015



PDE ENROLLMENT PROJECTIONS (CURRENT) – DECEMBER 30, 2016 are provided for reference.

Springfield Township SD 123467203

YEAR	K	1	2	3	4	5	6	7	8	9	10	11	12	Total
Actual														
2011 - 2012	188	164	178	182	168	186	145	169	163	164	149	169	163	2188
2012 - 2013	189	199	163	171	188	166	188	150	169	158	166	143	167	2217
2013 - 2014	185	200	195	167	174	187	167	190	148	155	152	165	144	2229
2014 - 2015	213	193	193	199	171	177	189	166	191	141	161	159	166	2319
2015 - 2016	200	205	200	196	191	173	174	185	170	186	147	165	156	2348
Projection														
2016 - 2017	180	210	204	204	198	192	173	170	186	162	189	148	164	2380
2017 - 2018	161	186	209	208	206	199	193	169	171	177	164	190	147	2380
2018 - 2019	185	166	185	213	210	207	200	189	170	163	179	165	189	2421
2019 - 2020	172	191	165	189	215	211	208	196	190	162	165	180	164	2408
2020 - 2021	168	178	190	168	191	216	212	204	197	181	164	166	179	2414
2021 - 2022	165	174	177	194	169	192	217	208	205	188	184	165	165	2403
2022 - 2023	161	170	173	181	196	169	193	212	209	195	191	185	164	2399
2023 - 2024	158	167	169	176	183	197	169	189	213	199	198	192	184	2394
2024 - 2025	154	163	166	172	178	184	198	165	190	203	202	199	191	2365
2025 - 2026	152	159	162	169	173	179	184	194	166	181	206	203	198	2326

Various Grade Groupings of the Enrollment Projections

YEAR	K-4	K-5	K-6	K-7	K-8	K-9	K-12	5-8	6-8	7-8	6-9	7-9	7-12	8-12	9-12	10-12
2015 - 2016	992	1165	1339	1524	1694	1880	2348	702	529	355	715	541	1009	824	654	468
2020 - 2021	895	1111	1323	1527	1724	1905	2414	829	613	401	794	582	1091	887	690	509
2025 - 2026	815	994	1178	1372	1538	1719	2326	723	544	360	725	541	1148	954	788	607

- Notes:
1. Excludes students in full-time out-of-district special education, comprehensive AVTSs, charter schools, state-owned schools, consortium-operated alternative high schools, and juvenile correctional institutions.
 2. Enrollment projections beyond five years are subject to errors in the lower grades resulting from inconsistencies between actual and projected live births and should be reviewed closely.
 3. Four year old kindergarten students, if any, added to K enrollments.
 4. Elementary and secondary ungraded students were distributed among the grades. Therefore, enrollments by grade may differ from those reported by the local education agencies.

- Sources:
1. Pennsylvania Information Management System (PIMS)
 2. Resident Live Birth file supplied by the Division of Health Statistics, Pennsylvania Department of Health. The Department of Health specifically disclaims responsibility for any analyses, interpretations or conclusions.



CONCLUSION

The Montgomery County Planning Commission Enrollment Projections more accurately reflect the actual growth patterns in the District than do the PDE Enrollment Projections. However, recent enrollment at the Kindergarten level has increased. As a result, the District will utilize The Montgomery County Planning Commission projections in their planning

It is clear that the District must act to implement a long-term solution to meet its current and future elementary capacity needs. To that end, the District has determined to proceed with the New K-2 Early Learning Center to replace Enfield Elementary School.

This Act 34 Hearing is for the New K-2 Early Learning Center at the Former Antonelli School of Art and Photography site.



PART IV

Project Options Considered



PROJECT OPTIONS CONSIDERED

Based on the key planning considerations noted above, the following options have been identified for development. The suggested options should be viewed as conceptual and were prepared to provide the School District of Springfield Township with the opportunity to understand the possibilities related to all of the district schools in meeting the educational needs of the district. The proposed floor plans, building square footages and the estimates of probable construction costs are based on preliminary program assumptions which will need to be refined once the building program is established and the design is further developed.

OPTION 1	NEW SCHOOL	ENFIELD ES	ERDENHEIM ES
RECONFIGURE K-5 ELEMENTARY SCHOOL GRADE STRUCTURE	NEW K-2 PRIMARY CENTER AT THE ANTONELLI SITE	DEMOLISH SCHOOL - PROVIDE ADDITIONAL ATHLETIC FIELDS FOR SECONDARY PROGRAM	RECONFIGURE GRADE STRUCTURE FOR GRADES 3-5 (NO CONSTRUCTION)
OPTION 2		ENFIELD ES	ERDENHEIM ES
MAINTAIN CURRENT K-5 ELEMENTARY SCHOOL GRADE RECONFIGURATION		MAINTAIN CURRENT K-1 GRADE CONFIGURATION	MAINTAIN CURRENT 2-5 GRADE CONFIGURATION AND REASSIGN SGIs FOR SUPPORT SPACE
OPTION 3	SPRINGFIELD MS	SPRINGFIELD HS	ADMINISTRATION BUILDING
RENOVATIONS AND/OR ADDITIONS	HVAC RENOVATIONS	RENOVATIONS AND ADDITION WITH SITE IMPROVEMENTS	HVAC RENOVATIONS AND SITE IMPROVEMENTS TO ADD ADDITIONAL PARKING



OPTION 1 – RECONFIGURE K-5 ELEMENTARY SCHOOL GRADE STRUCTURE

- Construct a new K-2 Primary Center at the Antonelli Site;
- Demolish the existing Enfield Elementary School and provide additional athletic fields for the secondary program
- Reconfigure the Erdenheim Elementary School grade structure to Grades 3-5 (No Construction)

Scope:

Based on the design teams observations and discussions with the staff, the proposed work is a result of the recognized building deficiencies at Enfield Elementary School and insufficient building capacity at Erdenheim Elementary School. The intent is to provide additional capacity at Erdenheim Elementary School and improve the ability to deliver the education program, operations and energy efficiency of the primary school.

- Construct a new K-2 elementary school at the Antonelli site
 - Demolish the existing district-owned Antonelli Institute of Art and Photography building
 - Construct a new K-2 replacement Enfield Elementary School at the Antonelli site with related site development
- Upon completion of the new school, demolish the original Enfield Elementary School at Paper Mill and Church Roads and prepare site for additional athletic fields for the secondary school physical education and athletic programs.
- Upon completion of the new school, reconfigure grade structure at Erdenheim Elementary School for grades 3-5.

Advantages:

- The construction of a new school on an alternative district-owned property allows Enfield Elementary School to remain operational during the construction period without any impact to the delivery of the educational program.
- A new K-2 primary center can be designed appropriately to the age group to support the educational program specific to early childhood instruction.
- The site plan can be designed to accommodate the entire bus fleet on-site for pick-up. Currently the buses stage on Paper Mill Road and pick up at the main entrance off of Church Road four buses at a time.
- The parent pick-up queue can be accommodated on-site. Currently the cars stage around the perimeter of the school and back-up onto Church Road.
- The existing Enfield site on Paper Mill and church Roads is within walking distance to the middle school campus and is an ideal location for additional needed athletic fields to support the secondary program.
- Parking can be provided at the athletic complex so the Township can also use the fields after school hours.
- The net effect of reducing the number of grades levels in the school from four to three at Erdenheim Elementary School will free up space at the school for support programs currently being provided in sub-standard sized classrooms; and it will reduce the student population overall which will improve scheduling issues for the core spaces such as the cafeteria and multipurpose room, and for the art and music classrooms that are shared by all students.



- Long-term solution to properly size the buildings across all grade levels to accommodate fluctuations in enrollments and program requirements such as special education, instructional support rooms, advanced classroom instruction, etc.

Disadvantages:

- Although this is a higher cost option, the construction of a new elementary school project ultimately addresses multiple schools including not only Enfield Elementary School but also Erdenheim Elementary School and the Middle School.
- The construction of the new elementary school will not be on-line in time to address space deficiencies at Erdenheim Elementary School based on the projected enrollments. A temporary solution as proposed as a more permanent solution in Option 2 would be to enclose the existing SGIs and assign to support classrooms to provide additional classroom space to house the anticipated student population for the 2017-18 school year.

OPTION 2 – MAINTAIN CURRENT K-5 ELEMENTARY GRADE CONFIGURATIONS AT THE ELEMENTARY SCHOOLS

- **Enfield Elementary School to remain grades K-1: no work proposed**
- **Erdenheim Elementary School to remain grades 2-5: enclose the existing SGIs to convert to support classrooms to provide additional classroom space to accommodate enrollments**

Scope:

Accommodate the enrollment projections at Enfield and Erdenheim Elementary Schools for the same grade structure.

Enfield Elementary School

Although the building plan is not highly conducive to Grades K-1 instruction, the building capacity is within the functional range based on the highest projected enrollments. Therefore, no additions or renovations proposed as part of a major construction project. Ongoing maintenance should be budgeted for this aging facility.

Erdenheim Elementary School

Additional classroom space will be needed based on the projected enrollments. As the time of this report, planning to accommodate enrollments for the 2015-16 school year has been established. Additional classroom space will be needed for the 2016-17 school year and beyond if no other options district-wide are implemented.

Site:

- The site was analyzed to add two (2) temporary modular classrooms on the site as a potential short-term solution to accommodate the projected enrollments. Four locations were evaluated as follows:
 - Options 1&2: Two locations were evaluated in the teachers' parking lot at the end of the building adjacent to the first floor entrance. Provide a covered walkway to the classrooms.
 - o The modular classrooms need to be located at least 30' away from the existing building by code.
 - o Due to the amount of parking lost and being located over the existing geothermal well field, these two locations were not recommended.



- Option 3: Locate a set of modular classrooms at the first floor between the building and the hill.
 - o The modular classrooms need to be located at least 30' away from the existing building by code. Therefore, the classroom would need to be located on the other side of the sidewalk and deep into the hill. This location does not work based on site existing site constraints.
- Option 4: Locate a set of modular classrooms at the upper level soft play area adjacent to the parking lot with a covered canopy to the cafeteria side entrance.
 - o The playground equipment would be relocated to another location in order to install the classrooms.
 - o The classrooms would project into the parking lot based on the depth of the moduls. This would impact the parent drop-off loop and reduce the number of parking spaces. Therefore, this option is not recommended.
- Each of the referenced options pose logistical challenges as well as requirements for land development approvals for zoning such as impervious coverage and parking which have cost and schedule implications.
- After further consideration, adding temporary modular on-site is not a viable option.

Building:

- Rededicate the existing SGI space in six locations to support space. By relocating the support programs such as special education learning support (SP ED LS), space becomes available in regularly sized classrooms for general grade level instruction.
- To accommodate the projected enrollments, this solution would need to be in place for at least 10 years based on the enrollment projections through 2024-2025.
- Budget for a roof replacement at the Antonelli School and other building maintenance issues typical for an aging building. Advantages:
- Lower short-term cost option.
- This option could also be implemented as part of a multi-school construction project as described in Option 1 as a temporary solution to accommodate enrollments at Erdenheim Elementary School.
- Partitions to enclose the SGIs could be either constructed using metal studs and drywall or could be demountable partitions that could be removed, stored and added later depending on the programmatic needs of the school.

Disadvantages:

- Higher long-term maintenance cost option for Enfield Elementary School and the Antonelli building.
- As an end all solution, there are limited long-term benefits both educationally or operationally at Enfield and Erdenheim Elementary Schools by limiting space flexibility for the full build-out condition.
- Athletic field space is limited at the secondary level and throughout the Township. This option does not address the availability of any additional field space.
- The issues with bus and parent pick-up will continue at Enfield Elementary School with congestion and integrated traffic patterns on two major transportation arteries in the Township – Paper Mill and Church Roads.



To understand the implications with respect to building capacity at the K-5 grades levels based on the two options above, the following analysis of the 2019-20 projected enrollments compared to the proposed building capacities has been provided for reference. For Option 1, adding a grade level to a new Enfield Elementary replacement school, will relieve the overcrowding at Erdenheim Elementary School. The resulting building capacity for each school is within the recommended utilization factor of 90%.

OPTION 1 PROPOSED GRADE ALIGNMENT	ELEMENTARY SCHOOL NAME	2019-20 PROJECTED ENROLL- MENT	PDE CAPACITY		CEFPI FUNCTIONAL CAPACITY	
			CAPACITY	UTIL. FACTOR	CAPACITY	UTIL. FACTOR
K-2	NEW SCHOOL	538	750	72%	675	80%
3-5	ERDENHEIM ES	620	825	75%	743	84%
	TOTAL	1158	1575	74%	1,418	82%

Conversely for Option 2, which encloses the SGIs for support spaces to recapture general classroom space, Erdenheim Elementary School will be over the recommended functional capacity of 90% even with enclosing the SGI areas for support spaces. This will be a continuing trend through 2024-25.

OPTION 2 PROPOSED GRADE ALIGNMENT	ELEMENTARY SCHOOL NAME	2019-20 PROJECTED ENROLL- MENT	PDE CAPACITY		CEFPI FUNCTIONAL CAPACITY	
			CAPACITY	UTIL. FACTOR	CAPACITY	UTIL. FACTOR
K-1	ENFIELD ES	361	475	76%	428	84%
2-5	ERDENHEIM ES	797	900	89%	810	98%
	TOTAL	1158	1375	84%	1,238	94%

OPTION 3 – RENOVATIONS AND/OR ADDITIONS TO IMPROVE OPERATIONS

- HVAC Renovations at Springfield Township Middle School;
- Renovations and Addition at Springfield Township High School with site improvements;
- HVAC Renovations at the District Administration Building and site improvements to add additional parking

Scope:

Based on the design teams observations and discussions with the staff, the proposed work is a result of recognized building deficiencies and not insufficient building capacity. The intent is to improve the operations and energy efficiency of the secondary schools and the District Administration Building as well as address site concerns.



Springfield Township Middle School

- Address persistent ongoing issues with the HVAC system to improve operations and energy efficiency.

Springfield Township High School

- Renovations to include upgrades to the HVAC system; modifications to improve security such as relocating the administration office to be more adjacent to the main entrance.
- Provide additions to add an auxiliary gymnasium and spaces to support the athletic program.
- Renovations to the existing locker rooms, lobby areas, etc. in the physical education wing of the building to improve circulation, security, programs and storage.
- Recommended site improvements for circulation, parking and security. District Administration Building
- Upgrade the HVAC system to improve operations and energy efficiency.
- Recommended site improvements for circulation and parking.

Advantages:

- HVAC improvements to each of these facilities will improve the operations and energy efficiency of each building to reduce costs for the district.
- The site improvements proposed for the high school will address the overuse of limited play field space on-campus with proposed synthetic field surface at the football stadium and multipurpose field; improve parking and circulation on the campus; and improve the approach and identification of the main entrances to the building.

Disadvantages:

- The HVAC renovations at the middle school and district administration building will need to be done in phases, summer construction and/or night shifts to maintain the operations of the building and site.
- The high school sitework will need to be done in phases to maintain the operations of the building and site.

Although this option was not intended to address building capacity deficiencies, the following chart has been provided for reference. The resulting building capacity for each school is within the recommended utilization factor of 85% utilization factor for middle schools and 80% utilization factor for high schools.

OPTION 3 PROPOSED GRADE ALIGNMENT	SECONDARY SCHOOL NAME	2019-20 PROJECTED ENROLL- MENT	PDE CAPACITY		CEFPI FUNCTIONAL CAPACITY	
			CAPACITY	UTIL. FACTOR	CAPACITY	UTIL. FACTOR
6-8	SPRGFLD TWSP MS	637	769	83%	807	79%
9-12	SPRGFLD TWSP HS	731	1304	56%	1,159	63%
	TOTAL	1368	2073	66%	1,966	70%



Option Summary - Elementary Schools

Option 1 to reconfigure the K-5 Elementary School grade structure is a solution that addresses multiple needs across multiple school facilities. The construction of a new K-2 Primary Center at the Antonelli Site offers the opportunity to design a true Early Learning Center (ELC) on district-owned land. When complete, the existing Enfield site, which is across the street from the middle school can provide additional athletic fields for the secondary program. Once the new ELC opens, Erdenheim will serve three grade levels in lieu of the four it now serves, which will provide additional capacity for program and enrollments.

The Board of School Directors approved to execute Option 1 beginning with the design and construction of a new Primary/Early Learning Center for grades K-2.

Option 3 provides opportunities for the secondary schools that the District has approved moving forward which is not relative to this Act 34 Hearing.



PART V

Project Description



PROJECT DESCRIPTION

Summary

The project is a Pennsylvania Department of Education PlanCon (Planning and Construction Workbook) project seeking reimbursement from the state.

The construction work includes but is not limited to the following: demolition of the existing Antonelli School of Art and Photography; preparation of site for new work including on-site storm water infiltration system, new parking lots and play areas; construction of a new 2-story school as described below and in the attached Drawings. The final building area is as follows:

<u>Total Proposed Building Area</u>	
First Floor:	60,786 SF
<u>Second Floor:</u>	<u>46,390 SF</u>
Total:	105,176 SF

This will be a multi-prime construction contract consisting at a minimum of the following prime contracts:

1. General Trades (including site)
2. HVAC
3. Plumbing
4. Electrical

**note: these may change as bid time draws near.*

PROPOSED K-2 EARLY LEARNING CENTER: Site Amenities

The proposed K-2 Early Learning Center has a dedicated bus loop for buses and vans accessed from Paper Mill Road and a separate dedicated loop for parent drop-off and pick-up with sufficient length to cue cars on-site which is accessed from Montgomery Avenue; and parking for 152 vehicles. Overflow parking for additional vehicles can be accommodated at the bus-loading zone for after school activities. The athletic facilities include two multiple-use play areas, and one softball field.

PROPOSED K-2 EARLY LEARNING CENTER: Building Amenities

The proposed K-2 Early Learning Center will be built on District-owned land currently occupied by the Antonelli School of Art and Photography. The new school have a functional capacity of 750 students to house the entire School District K-2 population.

The proposed school is two stories with shared use amenities located on the first floor. The main lobby corridor runs from the parent drop off to the cafeteria and allows direct access to both the classroom wing and the shared use facilities. The shared use facilities include the Gymnasium, Art and Music Room, Cafeteria, and Media Center/Library.



PROPOSED K-2 EARLY LEARNING CENTER: Programmed Areas

The programmed areas of the new Early Learning Center include:

- 1 Library
- 12 Kindergarten Classrooms
- 24 Regular Classrooms for Grades 1 and 2 (12 classrooms per grade level)
- 19 Small Group Instruction Spaces (6 SGIs per grade level, 1 SGI shared between 2 classrooms, plus 1 additional SGI)
- 3 Large Group Instruction (LGI) Spaces (1 for each grade level)
- 1 LGI/Learning Stair
- 1 STEAM Classroom
- 1 Art Classroom
- 1 Music Classroom
- 1 OT/PT / Autistic Support
- 1 OT/PT / Emotional Support
- 2 Reading Centers
- 1 Library
- 1 Gymnasium
- 1 Stage/Platform
- 1 Cafeteria with Kitchen
- 1 Administration and Guidance Suite
- 1 Health Suite (Nurse)
- 1 Faculty Dining Room

EDUCATIONAL SPECIFICATIONS

The new Early Learning Center will serve the entire District's Kindergarten (Full-day) through Second Grade populations. Erdenheim Elementary School, which currently serves Grades 2-5 or 4 grade levels, will house Grades 3-5 when the new Early Learning Center school is on-line. This will free up much needed classroom space at Erdenheim with a smaller population.

The building will be totally air-conditioned, sprinklered, and designed for handicap accessibility. Energy efficient lighting, HVAC and plumbing equipment will be installed.

A synopsis of the programmed developed for this project are as follows:

Classrooms

All classrooms will be located with access to the Media Center/Library and within short walking distance of the cafeteria and gymnasium. Cubbies will be provided inside of the classrooms. Marker boards and tack boards will be provided in the classrooms, mounted at heights appropriate to students.

Each classroom will feature a sink with both hot and cold water as well as a bubbler. Marker boards with tack boards will be included. Classroom tack strips above the markerboards will accommodate 18" high alphabet.



A computer work station will be provided at the teacher's desk area. New furniture for the teachers will be included as well as new student desks. Each room will be prepared for installation of "smartboards".

Dual level lighting and occupancy sensor lighting controls will also be included.

Roll-up shades will be provided at the exterior windows in the classrooms. Provide black-out shades on the corridor door and sidelite for lock-down.

The Kindergarten classrooms shall have direct access from the classroom to an individual handicapped accessible toilet room. For grades one and two, the individual toilet rooms, also handicapped accessible, will be accessed from the corridor. The grade levels are clustered or grouped together by a wing of the building with Kindergarten located on first floor and grades one and two on the second floor.

All rooms will have resilient tile flooring. All classrooms will feature removable area rugs.

Small Group Instruction Space:

Small Group Instruction (SGI) rooms will be shared between every two classrooms at all three grades levels. Sliding pocket doors and a swinging man door will be provided between the classroom and SGI space. Having the ability to open and close the doors provides flexibility for individual instruction/pull-outs or group activities. The doors will have vision panels on top for teacher/student visibility and control of both spaces, and dry marker board panels on the bottom.

The SGIs will be equipped with dry marker boards and tack boards.

All rooms will have resilient tile flooring.

Large Group Instruction Space:

A Large Group Instruction Learning Stair will be located strategically adjacent to the Media Center to provide for gathering of larger groups of students. The Learning Stair will receive a mixture of carpet and tile for sitting comfort and will have durable finishes on the walls. Projection capabilities and a screen will be provided in this space.

Art Classroom:

The Art Classroom will be located in the central area of the facility. Built-in casework will be provided including wall mounted storage cabinets. A kiln will be included and located to provide exhaust ventilation, safety, and security. Shelving will be provided in the art storage area and additional storage will be provided for three-dimensional project storage, flat files, and clay cart storage. Additional material storage will be located in an adjacent storage room.

Tall storage cabinets will have doors equipped for tack display space, accessible by students.

Countertop sinks with both hot and cold water will be provided.
Additional power and data outlets will be provided at multiple locations.



A number of display cases and tack display boards for display of student work need to be provided in the corridors.

New flooring will be resilient tile. Stain resistance and ease of maintenance will be special considerations in this area.

Music Instruction Room:

The music room will serve the purpose of supporting the music programs for the entire elementary program.

Carpet and acoustical wall panels will be utilized in the spaces.

Marker boards and tack boards will be installed.

Physical Education & Stage:

A gymnasium will be provided for physical education. It will be provided with a folding partition between the gym and cafeteria so that it can either accommodate two separate functions or combined to provide a full-sized performance/event area. The gymnasium will be separated from educational areas by door systems to allow the facility to be used by the district and community at night. Toilet rooms are adjacent to the gymnasium for nighttime functions. The gym will accommodate spectator seating in the bleachers. There will be no locker rooms or shower facilities provided.

The gymnasium flooring will be wood.

ADA assisted licensing devices will be provided in the gym.

Basketball backstops, and wall-mounted crash pads will be included as will volleyball equipment.

The room will be designed to take advantage of natural daylight

The elevated platform/stage will be equipped with classroom lighting and will be treated acoustically. A double-sided stage curtain, side valences, proscenium curtain, back curtain and several tracks of stage rigging will be provided. The stage will also be provided with an amplification sound system.

Media Center:

The school Media Center will be located at the core of the building. This is to be considered the Central "Living Room" of the facility. This space will be equally accessible by all age groups in the building. An area for storytelling and reading will be provided. Library equipment and furnishings will be provided. Additional storage casework will be provided to match this equipment. The library shelving will be considerate of the range of age groups of the students and will be mobile.

The library will include additional power and data outlets, and handicap accessible furnishings. An area for computers will be provided in the library.



Administration and Guidance:

One unified main office will be provided. The reception area, offices and conference room in the main office will have control and/or visual supervision of the main building entrance. The main entrance will be designed to provide a security vestibule.

The office area will include the Principal's offices, Guidance, Social Worker and Psychologist offices, a reception area, a work area, file/records room, two unisex toilet rooms and a kitchenette. The office area will have a view of the front drive and the main entrance.

A security vestibule will be provided that controls visitor access to the school through the office. This provides supervised access to be controlled by office personnel.

The workroom will include file storage, supply storage, work counter, copier, fax, and teachers' mailboxes.

Nurse:

The nurse's office will be adjacent to the main office. This location will be convenient to the classrooms, the cafeteria, the gymnasium, and the main office, and is located at the main entrance for student pick-up or ambulance service.

The nurse's office will include a handicapped accessible toilet room with shower accessible from the space. A storage room will be provided for a possible wheelchair and vision/hearing testing equipment. An enclosed exam room will be provided for student privacy. Lockable cabinets will be provided to secure records and mediations.

Faculty Dining Room:

The Faculty Dining room will be provided with sink and space for a refrigerator as well as a power outlet for a microwave. The facility will be located in relatively proximity to the cafeteria and kitchen with windows to the exterior for natural daylight.

Kitchen:

The kitchen will meet current standards and requirements. New equipment as well as refrigerated and dry storage will be provided as well as two sets of single line service.

Cafeteria:

The Cafeteria will be located central to the building with direct access to the outdoor playground. A folding partition will be provided between the cafeteria and gymnasium which can be opened for additional seating during large performances and events in the gymnasium/stage.

The Cafeteria floor material will be terrazzo (base bid).

ADA assisted licensing devices will be provided in the cafeteria.



Toilet Rooms:

The group toilet rooms will be designed to accommodate the handicapped. Durable finishes, lighting and ventilation will be included. One of the sets of group toilets will also serve the nighttime functions in the cafeteria and gym. Individual toilet rooms will be provided throughout to accommodate each classroom.

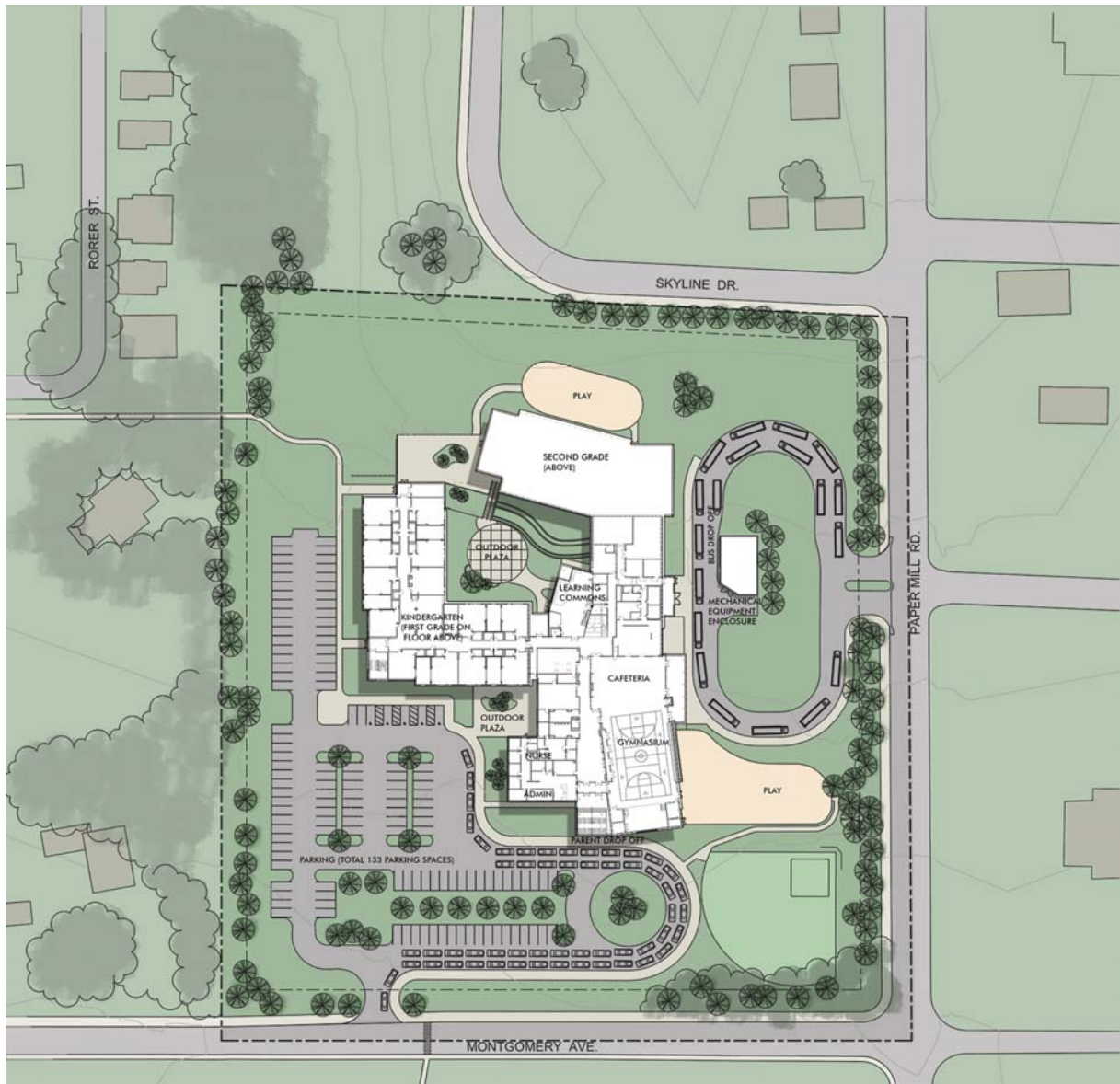
Corridors:

Terrazzo will be specified for the first and second floor lobby and corridors as the base bid with an alternate for Vinyl Enhanced Tile (VET). Display cases and tack boards will be added throughout the facility.



BUILDING PLANS AND IMAGES

The project site plans, floor plans and renderings follow:



Proposed Site Plan



LEGEND

- ADMINISTRATION
- CLASSROOM
- SGI
- LGI
- STUDENT SERVICES
- LEARNING COMMONS
- PERFORMING & VISUAL ARTS
- GYM
- DINING
- NURSE
- CIRCULATION
- SUPPORT



Proposed First Floor Plan



LEGEND

- ADMINISTRATION
- CLASSROOM
- SGI
- LGI
- STUDENT SERVICES
- LEARNING COMMONS
- PERFORMING & VISUAL ARTS
- GYM
- DINING
- NURSE
- CIRCULATION
- SUPPORT



Proposed Second Floor Plan



View of proposed facility from the Southwest



Early Learning Center Main Entrance



View from Paper Mill Road and Montgomery Avenue



View from Paper Mill Road and Skyline Drive



Aerial View of courtyard



SCHEDULE AND ADJUSTMENTS

The following pages are from the Pennsylvania Department of Education's Planning and Construction Workbook for reimbursable projects. They indicate the "schedule" or list of rooms planned for this project and the corresponding "full-time equivalent" (FTE) capacity. The total FTE is then adjusted for Special Education Classrooms and Resource Rooms, and the project Enrollment-to-Capacity Ratios.



FOR PROJECT BUILDING (1 OF 2)												
District/CTC: School District of Springfield Township						Project Name: Early Learning Center				Grades: K - 2		
PROJECT PLANNED SPACES - SCHEDULED AREA ONLY												
#1	EXISTING					NEW				TOTAL		
	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	
NAME OF SPACE	UNIT FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	TOTAL AREA SQ FT	TOTAL FTE CAP	
LIBRARY	XXX				XXXX	2,220	1.0	2,220	XXXX	2,220	XXXXX	
FULL-TIME KINDRGRTN	50					990	10.0	9,900	500	9,900	500	
FULL-TIME KINDRGRTN	50					960	2.0	1,920	100	1,920	100	
FULL-TIME KINDRGRTN	50											
FULL-TIME KINDRGRTN	25											
FULL-TIME KINDRGRTN	25											
FULL-TIME KINDRGRTN	25											
FULL-TIME KINDRGRTN	25											
FULL-TIME KINDRGRTN	25											
FULL-TIME KINDRGRTN	25											
FULL-TIME KINDRGRTN	25											
REG CLSRM 660+ SQ FT	25					990	21.0	20,790	525	20,790	525	
REG CLSRM 660+ SQ FT	25					960	5.0	4,800	125	4,800	125	
REG CLSRM 660+ SQ FT	25					880	2.0	1,760	50	1,760	50	
REG CLSRM 660+ SQ FT	25					830	1.0	830	25	830	25	
REG CLSRM 660+ SQ FT	25											
REG CLSRM 660+ SQ FT	25											
REG CLSRM 660+ SQ FT	25											
REG CLSRM 660+ SQ FT	25											
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REG CLSRM 660+ SQ FT	25											
REG CLSRM 660+ SQ FT	25											
REG CLSRM 660+ SQ FT	25											
SPECIAL ED ROOMS	XXX	PAGE A18					SEE PAGE A18				XXXXXX	XXXXX
SMALL GROUP <850 SQ FT	XXX				XXXX	560	1.0	560	XXXX	560	XXXXX	
SMALL GROUP <850 SQ FT	XXX				XXXX				XXXX		XXXXX	
LARGE GROUP INS 850+ SQ FT	XXX				XXXX	1,285	2.0	2,570	XXXX	2,570	XXXXX	
LARGE GROUP INS 850+ SQ FT	XXX				XXXX	1,340	1.0	1,340	XXXX	1,340	XXXXX	
ALTERNATIVE ED ROOM 660+ SQ FT	XXX				XXXX				XXXX		XXXXX	
OTHER: LGI						850	1.0	850		850		
OTHER: _____												
OTHER: _____												
OTHER: _____												
OTHER: _____												
OTHER: _____												
OTHER: _____												
PAGE A11 SUBTOTAL	XXX	XXXXX	XXXXX			XXXXX	XXXXX	47,540	1,325	47,540	1,325	



ELEMENTARY ROOM SCHEDULE FOR PROJECT BUILDING (2 OF 2)											
District/CTC: School District of Springfield Township				Project Name: Early Learning Center				Grades: K - 2			
		PROJECT PLANNED SPACES - SCHEDULED AREA ONLY									
		EXISTING				NEW				TOTAL	
#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
NAME OF SPACE	UNIT FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	TOTAL AREA SQ FT	TOTAL FTE CAP
COMPUTER ROOM	XXX				XXXX	770	1.0	770	XXXX	770	XXXXXX
COMPUTER ROOM	XXX				XXXX				XXXX		XXXXXX
COMPUTER ROOM	XXX				XXXX				XXXX		XXXXXX
ART ROOM	XXX				XXXX				XXXX		XXXXXX
ART ROOM	XXX				XXXX	1,009	1.0	1,009	XXXX	1,009	XXXXXX
ART ROOM	XXX				XXXX				XXXX		XXXXXX
MUSIC ROOM	XXX				XXXX	975	1.0	975	XXXX	975	XXXXXX
MUSIC ROOM	XXX				XXXX				XXXX		XXXXXX
MUSIC ROOM	XXX				XXXX				XXXX		XXXXXX
OTHER: _____	XXX				XXXX				XXXX		XXXXXX
OTHER: _____	XXX				XXXX				XXXX		XXXXXX
MULTI-PURPOSE RM	XXX				XXXX	6,650	1.0	6,650	XXXX	6,650	XXXXXX
STAGE/PLATFORM	XXX				XXXX	990	1.0	990	XXXX	990	XXXXXX
LOCKER ROOM, DRYING & SHOWER RM - BOYS	XXX				XXXX				XXXX		XXXXXX
LOCKER ROOM, DRYING & SHOWER RM - GIRLS	XXX				XXXX				XXXX		XXXXXX
NATATORIUM	XXX	SEE PAGE A19				SEE PAGE A19				XXXXXX	XXXXXX
KITCHEN & STORAGE	XXX				XXXX				XXXX		XXXXXX
# OF SERVINGS: _____	XXX				XXXX				XXXX		XXXXXX
MEALS PREPARED PER SERVING: _____	XXX				XXXX	3,075	1.0	3,075	XXXX	3,075	XXXXXX
CAFETERIA	XXX				XXXX				XXXX		XXXXXX
TO SEAT: _____	XXX				XXXX	3,700	1.0	3,700	XXXX	3,700	XXXXXX
FACULTY DINING ROOM	XXX				XXXX	860	1.0	860	XXXX	860	XXXXXX
FACULTY ROOM	XXX				XXXX	390	1.0	390	XXXX	390	XXXXXX
HEALTH SUITE (NURSE)	XXX				XXXX	980	1.0	980	XXXX	980	XXXXXX
BLDG ADMIN/GUIDANCE	XXX				XXXX				XXXX		XXXXXX
TOTAL STAFF: _____	XXX				XXXX	3,350	1.0	3,350	XXXX	3,350	XXXXXX
OTHER: IT Office	XXX				XXXX	275	1.0	275	XXXX	275	XXXXXX
OTHER: Gym Office	XXX				XXXX	140	1.0	140	XXXX	140	XXXXXX
OTHER: _____	XXX				XXXX				XXXX		XXXXXX
OTHER: _____	XXX				XXXX				XXXX		XXXXXX
OTHER: _____	XXX				XXXX				XXXX		XXXXXX
OTHER: _____	XXX				XXXX				XXXX		XXXXXX
PAGE A12 SUBTOTAL	XXX	XXXXXX	XXXXXX		XXXX	XXXXXX	XXXXXX	23,164	XXXX	23,164	XXXXXX
PAGE A11 SUBTOTAL	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX	47,540	1,325	47,540	1,325
BUILDING TOTAL	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX	70,704	1,325	70,704	1,325

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FORM EXPIRES 6-30-12

PLANCON-A12



ROOM SCHEDULE ADJUSTMENTS											
District/CTC: School District of Springfield Township						Project Name: Early Learning Center				Grades: K - 2	
PROJECT PLANNED SPACES - SCHEDULED AREA ONLY											
		EXISTING				NEW				TOTAL	
#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
NAME OF SPACE	UNIT FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	TOTAL AREA SQ FT	TOTAL FTE CAP
ELEMENTARY	XXX	XXXXXX	XXXXXX	XXXXXX	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXX	XXXXXX	XXXXXX
PROJECT ELEM CAP	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX	70,704	1,325	70,704	1,325
KINDERGARTEN DEDUCT FOR HALF-TIME PRGM	-25	XXXXXX XXXXXX		XXXXXX XXXXXX		XXXXXX XXXXXX		XXXXXX XXXXXX		XXXXXX XXXXXX	
ADJUSTED ELEM CAP	XXX	XXXXXX	XXXXXX	XXXXXX		XXXXXX	XXXXXX	XXXXXX	1,325	XXXXXX	1,325
ENR/CAP ADJ FACTOR	XXX	XXXXXX	XXXXXX	XXXXXX	0.7400	XXXXXX	XXXXXX	XXXXXX	0.7400	XXXXXX	0.7400
JUSTIFIED ELEM	XXX	XXXXXX	XXXXXX	XXXXXX		XXXXXX	XXXXXX	XXXXXX	981	XXXXXX	981
REG PRE-SCHOOL 660+*	25										
SP ED PRE-SCHOOL 660+*	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED RESOURCE ROOM > 400 SQ FT	**					580	1.0	580	25	580	25 (MAX=25)
SP ED RESOURCE ROOM > 400 SQ FT	XXX XXX				XXXX XXXX				XXXX XXXX		XXXXXX XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
ADJUSTED ELEMENTARY	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX	71,284	1,006	71,284	1,006
MIDDLE/SECONDARY	XXX	XXXXXX	XXXXXX	XXXXXX	XXXX	XXXXXX	XXXXXX	XXXXXX	XXXX	XXXXXX	XXXXXX
PROJECT MS/SEC UTIL	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX				
ENR/CAP ADJ FACTOR	XXX	XXXXXX	XXXXXX	XXXXXX	0.7400	XXXXXX	XXXXXX	XXXXXX	0.7400	XXXXXX	0.7400
JUSTIFIED MS/SEC	XXX	XXXXXX	XXXXXX	XXXXXX		XXXXXX	XXXXXX	XXXXXX		XXXXXX	
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED 660+ SQ FT	25										
SP ED RESOURCE ROOM > 400 SQ FT	**										(MAX=25)
SP ED RESOURCE ROOM > 400 SQ FT	XXX XXX				XXXX XXXX				XXXX XXXX		XXXXXX XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
SP ED < 401 SQ FT	XXX				XXXX				XXXX		XXXXXX
ADJUSTED MS/SEC	XXX	XXXXXX	XXXXXX			XXXXXX	XXXXXX				

* Regular and Special Education Pre-School rooms must meet the requirements addressed in the Part A instructions. Verification that the requirements will be met must be submitted with Part A.

** Justified Elementary or Middle/Secondary Capacity (Col. 12) divided by 25. The maximum capacity that may be reported in column #12 is 25. See Part A instructions for a more detailed explanation.

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FORM EXPIRES 6-30-12

PLANCON-A18



PROJECT FULL TIME EQUIVALENTS											
District/CTC: School District of Springfield Township				Project Name: Early Learning Center						Grades: <u> K </u> - <u> 2 </u>	
		PROJECT PLANNED SPACES - SCHEDULED AREA ONLY									
		EXISTING				NEW				TOTAL	
#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12
NAME OF SPACE	UNIT FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	UNIT AREA SQ FT	NUMBER OF UNITS	TOTAL AREA SQ FT	TOTAL FTE CAP	TOTAL AREA SQ FT	TOTAL FTE CAP
ADJUSTED ELEMENTARY	XXX	XXXXX	XXXX			XXXX	XXXX	71,284	1,006	71,284	1,006
ADJUSTED MS/SEC	XXX	XXXXX	XXXX			XXXXX	XXXX				
NATATORIUM *		XXXXX	XXXX			XXXX	XXXX				
NATATORIUM LOCKER					XXXXX				XXXXX		XXXXXX
ROOM, DRYING & SHOWER RM - BOYS	XXX XXX	XXXXX XXXXX	XXXX XXXX		XXXXX XXXXX	XXXX XXXX	XXXX XXXX		XXXXX XXXXX		XXXXXX XXXXXX
NATATORIUM LOCKER					XXXXX				XXXXX		XXXXXX
ROOM, DRYING & SHOWER RM - GIRLS	XXX XXX	XXXXX XXXXX	XXXX XXXX		XXXXX XXXXX	XXXX XXXX	XXXX XXXX		XXXXX XXXXX		XXXXXX XXXXXX
DIST ADMIN OFFICE	XXX	XXXXX	XXXX			XXXX	XXXX				
VOCATIONAL	XXX	XXXXX	XXXX			XXXX	XXXX				
PRJT BUILDING TOTAL	XXX	XXXXX	XXXX		XXXXX	XXXX	XXXX	71,284	XXXXX	71,284	XXXXXX

* REFER TO THE PART A INSTRUCTIONS TO DETERMINE IF CAPACITY SHOULD BE ASSIGNED.



PLANCON D COST ESTIMATING

The following pages are from the Pennsylvania Department of Education's Planning and Construction (PlanCon) Workbook for reimbursable projects. They indicate the project accounting based on estimates. These estimates utilize the design development cost estimate and are formatted to meet the PDE requirements.

The estimates and the various cost breakouts are shown on PlanCon D02, D03 and D04. The Act 34 Maximum Building Construction Cost for New Building or Substantial Addition and the Aggregate Building Expenditure Standard maximum cost calculations adopted by the School District of Springfield Township Board of School Directors are shown on PlanCon D20, D21 and D23.



PROJECT ACCOUNTING BASED ON ESTIMATES (1 of 2)			
District/CTO: School District of Springfield Township	Project Name: New K-2 Early Learning Center	Project #: 3894	
ROUND FIGURES TO NEAREST DOLLAR			
PROJECT COSTS	NEW	EXISTING	TOTAL
A. STRUCTURE COSTS (include site development)			
1. General (Report costs for sanitary sewage disposal on line E-1.)	23,236,327		23,236,327
2. Heating and Ventilating	3,730,357		3,730,357
3. Plumbing (Report costs for sanitary sewage disposal on line E-1.)	1,719,651		1,719,651
4. Electrical	3,561,795		3,561,795
5. Asbestos Abatement (D04, line C-3)	X X X X X X	250,000	250,000
6. Building Purchase Amount	X X X X X X		
7. Other * (Exclude test borings and site survey)			
a. _____			
b. _____			
c. _____			
d. _____			
e. PlanCon-D-Add't Costs, Total			
A-1 to A-7 - Subtotal	32,248,130	250,000	32,498,130
8. Construction Insurance			
a. Owner Controlled Insurance Program on Structure Costs (Exclude asbestos abatement, building purchase and other structure costs not covered by the program)			
b. Builder's Risk Insurance (if not included in primes)			
c. Construction Insurance - Total			
9. TOTAL-Structure Costs (A-1 to A-7-Subtotal plus A-8-c)	32,248,130	250,000	32,498,130
B. ARCHITECT'S FEE			
1. Architect's/Engineer's Fee on Structure	1,749,823		1,749,823
2. EPA-Certified Project Designer's Fee on Asbestos Abatement	X X X X X X	30,000	30,000
3. TOTAL - Architect's Fee	1,749,823	30,000	1,779,823
C. MOVABLE FIXTURES AND EQUIPMENT			
1. Movable Fixtures and Equipment	1,000,000		1,000,000
2. Architect's Fee			
3. TOTAL - Movable Fixtures & Equipment	1,000,000		1,000,000
D. STRUCTURE COSTS, ARCHITECT'S FEE, MOVABLE FIXTURES & EQUIPMENT - TOTAL (A-9 plus B-3 and C-3)	34,997,953	280,000	35,277,953
E. SITE COSTS			
1. Sanitary Sewage Disposal	25,000		25,000
2. Sanitary Sewage Disposal Tap-In Fee and/or Capacity Charges	25,000		25,000
3. Owner Controlled Insurance Program/Builder's Risk Insurance on Sanitary Sewage Disposal			
4. Architect's/Engineer's Fee for Sanitary Sewage Disposal			
5. Site Acquisition Costs		X X X X X X	
a. Gross Amount Due from Settlement Statement or Estimated Just Compensation		X X X X X X	
b. Real Estate Appraisal Fees		X X X X X X	
c. Other Related Site Acquisition Costs		X X X X X X	
d. Site Acquisition Costs - Total		X X X X X X	
6. TOTAL - Site Costs	50,000		50,000
F. STRUCTURE COSTS, ARCHITECT'S FEE, MOVABLE FIXTURES & EQUIPMENT, AND SITE COSTS - TOTAL (D plus E-6)	35,047,953	280,000	35,327,953
* Type "No Fee" beside each item for which no design fee is charged.			

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FORM EXPIRES 6-30-12

PLANCON-D02



PROJECT ACCOUNTING BASED ON ESTIMATES (2 of 2)				
District/CTC: School District of Springfield Township		Project Name: New K-2 Early Learning Center		Project #: 3894
ROUND FIGURES TO NEAREST DOLLAR				
PROJECT COSTS (CONT.)				TOTAL
G. ADDITIONAL CONSTRUCTION-RELATED COSTS				
1. Project Supervision (inc. Asbestos Abatement Project Supervision)				
2. Construction Manager Fee and Related Costs				830,906
3. Total Demolition of Entire Existing Structures and Related Asbestos Removal to Prepare Project Site for Construction of New School Building and Related AHERA Clearance Air Monitoring and EPA-Certified Project Designer's Fee on Asbestos Abatement (Exclude costs for partial demolition.)				
4. Architectural Printing				
5. Test Borings				12,725
6. Site Survey				15,000
7. Other (attach schedule if needed)				
a. _____				
b. PlanCon-D-Add't Costs, Total				788,150
8. Contingency				1,433,500
9. TOTAL - Additional Construction-Related Costs				3,080,281
H. FINANCING COSTS FOR THIS PROJECT ONLY	BOND ISSUE/NOTE SERIES OF 2016A	BOND ISSUE/NOTE SERIES OF 2017	BOND ISSUE/NOTE SERIES OF 2018	X X X X X X X X X X X X
1. Underwriter Fees	26,213	19,960	192,480	310,693
2. Legal Fees	8,934	6,378	50,000	95,312
3. Financial Advisor	11,635	8,306	65,000	119,941
4. Bond Insurance				
5. Paying Agent/Trustee Fees and Expenses	262	187	750	1,949
6. Capitalized Interest			138,651	138,651
7. Printing	3,497	2,496	10,000	25,993
8. CUSIP & Rating Fees	4,649	3,319	30,000	52,968
9. Other				
a. Internet Auction Administrator	962	686	2,750	7,148
b. Phone, Fed-Ex Advertising		1,248	5,000	10,000
10. TOTAL-Financing Costs	56,152	42,580	494,631	763,903
I. TOTAL PROJECT COSTS (F plus G-9 plus H-10)				39,172,137
REVENUE SOURCES	BOND ISSUE/NOTE SERIES OF 2016A	BOND ISSUE/NOTE SERIES OF 2017	BOND ISSUE/NOTE SERIES OF 2018	TOTAL
J. AMOUNT FINANCED FOR THIS PROJECT ONLY	3,495,000	2,495,000	24,060,000	39,055,000
K. ORIGINAL ISSUE DISCOUNT/ PREMIUM FOR THIS PROJECT ONLY	-39	-12,475	-120,300	(177,839)
L. INTEREST EARNINGS FOR THIS PROJECT ONLY	26,213	18,713	182,512	294,976
M. BUILDING INSURANCE RECEIVED				
N. PROCEEDS FROM SALE OF BUILDING OR LAND				
O. LOCAL FUNDS - CASH (SEE INSTRUCTIONS)				
P. OTHER FUNDS (ATTACH SCHEDULE)				
Q. TOTAL REVENUE SOURCES				39,172,137

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FORM EXPIRES 6-30-12

PLANCON-D03



PROJECT ACCOUNTING BASED ON ESTIMATES (2 of 2)				
District/CTC: School District of Springfield Township		Project Name: New K-2 Early Learning Center		Project #: 3894
ROUND FIGURES TO NEAREST DOLLAR				
PROJECT COSTS (CONT.)				TOTAL
G. ADDITIONAL CONSTRUCTION-RELATED COSTS				
1. Project Supervision (inc. Asbestos Abatement Project Supervision)				
2. Construction Manager Fee and Related Costs				
3. Total Demolition of Entire Existing Structures and Related Asbestos Removal to Prepare Project Site for Construction of New School Building and Related AHERA Clearance Air Monitoring and EPA-Certified Project Designer's Fee on Asbestos Abatement (Exclude costs for partial demolition.)				
4. Architectural Printing				
5. Test Borings				
6. Site Survey				
7. Other (attach schedule if needed)				
a. _____				
b. PlanCon-D-Add't Costs, Total				
8. Contingency				
9. TOTAL - Additional Construction-Related Costs				
H. FINANCING COSTS FOR THIS PROJECT ONLY	BOND ISSUE/NOTE SERIES OF 2019	BOND ISSUE/NOTE SERIES OF _____	BOND ISSUE/NOTE SERIES OF _____	X X X X X X X X X X X X
1. Underwriter Fees	72,040			72,040
2. Legal Fees	30,000			30,000
3. Financial Advisor	35,000			35,000
4. Bond Insurance				
5. Paying Agent/Trustee Fees and Expenses	750			750
6. Capitalized Interest				
7. Printing	10,000			10,000
8. CUSIP & Rating Fees	15,000			15,000
9. Other				
a. Internet Auction Administrator	2,750			2,750
b. Phone, Fed-Ex Advertising	5,000			5,000
10. TOTAL-Financing Costs	170,540			170,540
I. TOTAL PROJECT COSTS (F plus G-9 plus H-10)				170,540
REVENUE SOURCES	BOND ISSUE/NOTE SERIES OF 2019	BOND ISSUE/NOTE SERIES OF _____	BOND ISSUE/NOTE SERIES OF _____	TOTAL
J. AMOUNT FINANCED FOR THIS PROJECT ONLY	9,005,000			9,005,000
K. ORIGINAL ISSUE DISCOUNT/ PREMIUM FOR THIS PROJECT ONLY	-45,025			(45,025)
L. INTEREST EARNINGS FOR THIS PROJECT ONLY	67,538			67,538
M. BUILDING INSURANCE RECEIVED				
N. PROCEEDS FROM SALE OF BUILDING OR LAND				
O. LOCAL FUNDS - CASH (SEE INSTRUCTIONS)				
P. OTHER FUNDS (ATTACH SCHEDULE)				
Q. TOTAL REVENUE SOURCES	REVENUES DO NOT EQUAL COSTS			9,027,513

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FORM EXPIRES 6-30-12

PLANCON-D03



DETAILED COSTS			
District/CTC:	Project Name:		Project #:
School District of Springfield Township	New K-2 Early Learning Center		3894
	NEW	EXISTING	TOTAL
A. SITE DEVELOPMENT COSTS (exclude Sanitary Sewage Disposal)			
1. General (include Rough Grading to Receive Building)	6,024,660		6,024,660
2. Heating and Ventilating			
3. Plumbing			
4. Electrical	828,745		828,745
5. Other: _____			
6. Other: _____			
7. A-1 thru A-6 - Subtotal	6,853,405		6,853,405
8. Construction Insurance			
a. Owner Controlled Insurance Program on Site Development Costs			
b. Builder's Risk Insurance (if not included in primes)			
c. Construction Insurance - Subtotal			
9. Site Development Costs - Total	6,853,405		6,853,405
B. ARCHITECT'S FEE ON SITE DEVELOPMENT	328,963		328,963
			EXISTING
C. ASBESTOS ABATEMENT			
1. Asbestos Abatement			250,000
2. AHERA Clearance Air Monitoring			
3. Asbestos Abatement - Total (D02, line A-5)			250,000
D. EPA-CERTIFIED PROJECT DESIGNER'S FEE ON ASBESTOS ABATEMENT (D02, LINE B-2)			30,000
E. ROOF REPLACEMENT/REPAIR			
1. Roof Replacement Repair			
2. Owner Controlled Insurance Program on Roof Replacement/Repair			
3. Builder's Risk Insurance (if not included in primes)			
4. Roof Replacement/Repair - Total			
F. ARCHITECT'S FEE ON ROOF REPLACEMENT/REPAIR			

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FORM EXPIRES 6-30-12

PLANCON-D04



ACT 34 OF 1973: MAXIMUM BUILDING CONSTRUCTION COST FOR NEW BUILDING OR SUBSTANTIAL ADDITION ONLY														
District/CTC: School District of Springfield Township	Project Name: New K-2 Early Learning Center	Project #: 3894												
<p>Act 34 applies only to costs for new construction. The legal requirements do not address the costs for alterations to existing structures. For this reason, costs associated with the existing structure and other related costs should <u>not</u> be included in the following calculations.</p> <p>A. STRUCTURE COST, ARCHITECT'S FEE, MOVABLE FIXTURES AND EQUIPMENT (D02, line D-NEW) \$ 34,997,953</p> <p>B. EXCLUDABLE COSTS FOR NEW CONSTRUCTION</p> <table style="width: 100%;"><tr><td style="width: 60%;">1. Site Development Costs (D04, line A-7-NEW)</td><td style="width: 10%; text-align: right;">\$</td><td style="width: 30%; text-align: right;">6,853,405</td></tr><tr><td>2. Architect's Fees on the above excludable costs</td><td style="text-align: right;">\$</td><td style="text-align: right;">328,963</td></tr><tr><td>3. Vocational Projects Only - Movable Fixtures & Equipment (D02, line C-3-NEW)</td><td style="text-align: right;">\$</td><td style="text-align: right;"></td></tr><tr><td>4. Total Excludable Costs (B-1 plus B-2 and B-3)</td><td style="text-align: right;">\$</td><td style="text-align: right;">7,182,369</td></tr></table> <p>C. ACT 34 MAXIMUM BUILDING CONSTRUCTION COST (A minus B-4) \$ 27,815,584</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"><p>THE BOARD MUST ADOPT THE FIGURE ON LINE C BEFORE SCHEDULING THE FIRST ACT 34 HEARING.</p></div> <p style="text-align: center; padding: 10px;"><u>IF THE MAXIMUM BUILDING CONSTRUCTION COST BASED ON BIDS IS EQUAL TO OR GREATER THAN THE MAXIMUM BUILDING CONSTRUCTION COST BASED ON ESTIMATES PLUS EIGHT PERCENT (LINE D), A SECOND PUBLIC HEARING WILL BE REQUIRED BEFORE ENTERING INTO CONTRACTS AND STARTING CONSTRUCTION ON ANY PLANNED WORK.</u></p> <p>D. ACT 34 MAXIMUM BUILDING CONSTRUCTION COST TIMES 1.08 (C times 1.08) \$ 30,040,831</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"><p>THE FIGURE ON LINE D SHOULD NOT BE ADOPTED BY THE BOARD.</p></div>			1. Site Development Costs (D04, line A-7-NEW)	\$	6,853,405	2. Architect's Fees on the above excludable costs	\$	328,963	3. Vocational Projects Only - Movable Fixtures & Equipment (D02, line C-3-NEW)	\$		4. Total Excludable Costs (B-1 plus B-2 and B-3)	\$	7,182,369
1. Site Development Costs (D04, line A-7-NEW)	\$	6,853,405												
2. Architect's Fees on the above excludable costs	\$	328,963												
3. Vocational Projects Only - Movable Fixtures & Equipment (D02, line C-3-NEW)	\$													
4. Total Excludable Costs (B-1 plus B-2 and B-3)	\$	7,182,369												

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FORM EXPIRES 6-30-12

PLANCON-D20



ACT 34 OF 1973: SCHOOL BUILDING CAPACITY (1 of 2)														
District/CTC: School District of Springfield Township				Project Name: New K-2 Early Learning Center						Project #: 3894				
ACT 34 CAPACITY FRACTION														
A. SCHEDULED AREA FOR THE NEW BUILDING OR ADDITION (A19, Project Building Total, column #9)										USE AREAS FROM → 71,284 sq.ft. APPROVED PART A → 71,284 sq.ft. 1.0000 <small>(ROUND TO 4 DEC PL)</small>				
B. SCHEDULED AREA FOR THE TOTAL BUILDING (A19, Project Building Total, column #11)														
C. ACT 34 CAPACITY FRACTION (line A divided by line B)														
*** BASED ON SCHEDULED AREA FOR TOTAL BUILDING ***														
ELEMENTARY BUILDING														
	550-659 SQ FT			660-769 SQ FT			770-849 SQ FT			850+ SQ FT			TOTAL	
	ACT 34 CAP	NO. OF ROOMS	TOTAL	ACT 34 CAP	NO. OF ROOMS	TOTAL	ACT 34 CAP	NO. OF ROOMS	TOTAL	ACT 34 CAP	NO. OF ROOMS	TOTAL	BLDG TOTAL	
KINDERGARTEN	XXX	XXX	XXX	32			34			35	12	420	420	
REGULAR CLASSROOM	XXX	XXX	XXX	32			34			35	25	875	875	
SMALL GROUP/SEMINAR	24	1	24	32			34			XXX	XXX	XXX	24	
LARGE GROUP INSTR	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	35	4	140	140	
COMPUTER ROOM	XXX	XXX	XXX	32			34	1	34	35			34	
ART ROOM	XXX	XXX	XXX	32			34			35	1	35	35	
MUSIC ROOM **	XXX	XXX	XXX	32			34			35	1	35	35	
REG PRE-SCHOOL	XXX	XXX	XXX	32			34			35				
SPEC ED PRE-SCHOOL	XXX	XXX	XXX	32			34			35				
SPECIAL ED CLSRM	XXX	XXX	XXX	32			34			35	2	70	70	
SPECIAL ED RESOURCE (MAX = 1 RM)	24	1	24	32			34			35			24	
NATATORIUM	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	35				
D. BUILDING TOTAL													1657	
E. PRORATED ELEMENTARY CAPACITY FOR MIDDLE SCHOOL (D22, M minus O)														
F. ELEMENTARY CAPACITY (D plus E)													1,657	
G. ACT 34 ELEMENTARY CAPACITY (F times C; rounded to nearest whole number)													1657	
DISTRICT ADMINISTRATION OFFICES														
H. TOTAL NUMBER OF POSITIONS TO BE HOUSED (A16, Number of Positions Listed)													_____	
I. ACT 34 DISTRICT ADMINISTRATION OFFICE CAPACITY (H times 1.3; rounded to nearest whole number)													_____	
VOCATIONAL BUILDING														
J. TOTAL SCHEDULED AREA (A17, Building Total, column #12)													_____ sq.ft.	
K. VOCATIONAL CAPACITY (J divided by 100 times 1.44; rounded to nearest whole number)													_____	
L. ACT 34 VOCATIONAL CAPACITY (K times C; rounded to nearest whole number)													_____	

* SEE INSTRUCTIONS FOR ROOMS NOT LISTED HERE.

** ONLY INCLUDE MUSIC CLASSROOMS; DO NOT INCLUDE BAND ROOMS,
CHORAL ROOMS OR INSTRUMENTAL ROOMS

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FORM EXPIRES 6-30-12

PLANCON-D21



ACT 34 OF 1973: AGGREGATE BUILDING EXPENDITURE STANDARD		
District/CTC: School District of Springfield Township	Project Name: New K-2 Early Learning Center	Project #: 3894
A. GRADES K-6		
1. Act 34 Elementary Capacity (D21, line G)	1657	
2. 2015-2016 Per Pupil Cost Limit	<u>\$17,046</u>	
3. Building Expenditure Standard for Grades K-6 (A-1 times A-2)		\$ 28,245,222
B. GRADES 7-9		
1. Grades 7-9 Capacity		
a. Act 34 Secondary Capacity (D22, line R)		
b. Proration Fraction (building housing grades 7-9 - 1.00; grades 7-12 - .50; grades 8-12 - 0.40; grades 9-12 - .25; grades 10-12 - 0.00)	(ROUND TO 2 DEC PL)	
c. Grades 7-9 Capacity (1-a times 1-b; rounded to nearest whole number)		
2. 2015-2016 Per Pupil Cost Limit	<u>\$22,109</u>	
3. Building Expenditure Standard for Grades 7-9 (B-1-c times B-2)		\$
C. GRADES 10-12 / DAO		
1. Grades 10-12 Capacity		
a. Act 34 Secondary Capacity (D22, line R)		
b. Proration Fraction (building housing grades 7-9 - 0.00; grades 7-12 - .50; grades 8-12 - 0.60; grades 9-12 - .75; grades 10-12 - 1.00)	(ROUND TO 2 DEC PL)	
c. Grades 10-12 Capacity (1-a times 1-b; rounded to nearest whole number)		
d. Act 34 District Administration Office Capacity (D21, line I)		
e. Grades 10-12 / DAO Capacity (1-c plus 1-d)		
2. 2015-2016 Per Pupil Cost Limit	<u>\$27,374</u>	
3. Building Expenditure Standard for Grades 10-12 / DAO (C-1-e times C-2)		\$
D. VOCATIONAL		
1. Act 34 Vocational Capacity (D21, line L)		
2. 2015-2016 Per Pupil Cost Limit	<u>\$27,374</u>	
3. Building Expenditure Standard for Vocational (D-1 times D-2)		\$
E. AGGREGATE BUILDING EXPENDITURE STANDARD (A-3 plus B-3 plus C-3 plus D-3)		
		\$ 28,245,222
F. ACT 34 MAXIMUM BUILDING CONSTRUCTION COST (D20, line C)		
		\$ 27,815,584
<u>IF THE ACT 34 MAXIMUM BUILDING CONSTRUCTION COST (Line F) EXCEEDS THE AGGREGATE BUILDING EXPENDITURE STANDARD (Line E), THIS PROJECT REQUIRES A REFERENDUM.</u>		
REFERENDUM (if applicable)		
Date Advertised		
Date Held		

REVISED JULY 1, 2010

FORM EXPIRES 6-30-12

PLANCON-D23



PART VI

Analysis of Financial Alternatives



ANALYSIS OF FINANCING ALTERNATIVES

We have analyzed four alternative methods of financing the proposed designing, constructing, furnishing, and equipping renovations to the New K-2 Early Learning Center (the "Project"). We also estimated the direct costs of financing as required by the Department of Education regulations issued November 4, 1978.

ANALYSIS OF ALTERNATIVES

The four alternatives of financing that we examined are:

1. Cash or a short-term loan.
2. General obligation bond issue.
3. A local authority issue.
4. A financing through the State Public School Building Authority (SPSBA).

Analysis of the School District's financial statements for recent years, and of the financing projections prepared in connection with this Project, and discussions with the School District's Administration indicated that a financing the entire project with cash is not feasible. The School District does not have the funds necessary to pay enough cash for its share of the Project, nor does it appear that the School District would be able to raise the required amounts from its anticipated cash flow to meet the proposed construction schedule.

We then analyzed in detail the three alternatives which would require the School District to incur long-term debt. For each alternative, we estimated a bond issue size and calculated the average annual debt service requirements. We then constructed a repayment schedule assuming equal annual payments over 20 years at current interest rate levels for the General Obligation, Local Authority, and SPSBA Bond Issues. Financing costs for the local authority and SPSBA were slightly higher, which resulted in a larger bond issue and higher average annual payments. Bonds issued through either a local authority or the SPSBA would be classified as revenue bonds instead of general obligation bonds. Interest rates on revenue bonds are slightly higher than interest rates that would be received on general obligation bonds. This would result in higher annual debt service payments for the School District. The General Obligation alternative offers the School District the advantage of lower interest rates, more favorable refunding provisions and keeps more control with the local school board. Based on these analyses and past performance, the least costly alternative for financing the Project is the General Obligation Bond Issue.



COMPARISON OF LONG TERM FINANCING METHODS

<u>ITEM</u>	<u>GENERAL OBLIGATION</u>	<u>LOCAL AUTHORITY*</u>	<u>SPSBA</u>
Construction & Related Costs	\$36,143,829	\$36,143,829	\$36,143,829
Contingency & Supervision	2,264,405	2,264,405	2,264,405
Costs of Issuance	625,252	635,500	630,500
Capitalized Interest	138,651	138,651	138,651
Total Costs	<u>39,172,137</u>	<u>39,182,385</u>	<u>39,177,385</u>
Less: Interest Earned	294,976	297,385	297,385
Plus: Original Issue Discount	177,839	185,000	185,000
BOND ISSUE	39,055,000	39,070,000	39,065,000
Average Annual Payment at 4.00%** for 20 years	\$2,830,552	\$2,892,973	\$2,892,603

* A Local Authority would have annual administrative expenses, which have not been included in these calculations.

** Local Authority and SPSBA Annual Payments are calculated assuming 4.25% as a result of higher interest costs associated with selling revenue bonds.

The School District is considering other ways to reduce the debt service and local effort needed to fund the Project.

1. The School District will most likely not require the use of bond insurance due to the underlying credit rating of the School District.
2. The School District utilized a wrap around debt service structure on the 2016A Bonds anticipates using a wrap around debt service structure on the 2017, 2018 and 2019 Bonds in order to take advantage of a drop off in old debt service which will minimize the millage impact.
3. For discussion purposes only, we have provided the following amortization schedules which would fully fund the Project:
 - Table 1 – Series A of 2016 \$3,495,000
 - Table 2 - Series of 2017 \$2,495,000
 - Table 3 – Series of 2018 \$24,060,000
 - Table 4 – Series of 2019 \$9,995,000

STATE REIMBURSEMENT

The State will reimburse the School District for a portion of the principal and interest which the School District pays each year on the bonds. The amount of the reimbursement is determined by two factors, the percentage of the Project determined by the Department of Education to be reimbursable and the School District's Capital Account Reimbursement Fraction ("CARF"). It is estimated that the Project will be assigned \$6,436,754 in reimbursement. Based on a pro-forma calculation of reimbursement for a bond issue sized for this Project, the reimbursement percentage would be 16.43%. The School District's CARF percentage is 18.40%. When these two percentages are multiplied, the result is an "effective" reimbursable percentage of 3.02%. Therefore, for

SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP
Act 34 Hearing Booklet



each dollar paid by the School District toward principal and interest, the state will reimburse the School District 3.02 cents for the Project.

INDIRECT COSTS

As a result of the completion of this proposed Project, it is only reasonable to assume that there will be indirect costs associated with services to be provided to accomplish long range objectives of the School District. It is reasonable to assume costs of approximately \$244,000 annually.

School District officials have estimated the annual indirect costs associated with the Project to be as follows:

Professional Personnel	\$170,000
Additional Custodial Services & Supplies	48,000
Additional Fuel & Utilities	5,000
Additional Insurance Premium	<u>21,000</u>
Total Increase	\$244,000

Assuming a collected mill currently provides \$1,270,772, the indirect costs will have a millage increase of 0.19 mills annually.

TOTAL MILLAGE IMPACT

The total millage estimated for the Project is:	
\$3,495,000 G.O. Bonds on Table 1 =	0.09 mills
\$2,495,000 G.O. Bonds on Table 2 =	0.07 mills
\$24,060,000 G.O. Bonds on Table 3 =	0.66 mills
\$9,995,000 G.O. Bonds on Table 4 =	<u>0.26 mills</u>
Total	1.08 mills

The millage impact from the bond issue of 1.08 plus the indirect costs of 0.19 mills equals a total millage impact of 1.27 mills.



SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP

SERIES A OF 2016

Total Issue = \$9,995,000

Settled 12/30/2016

Dated 12/30/2016

TABLE 1

STEP 1 - \$3,495,000

1	2	3	4	5	6	7	8	9	10	11	12
Date	Principal	Coupon	Yield	Interest	Semi-Annual Debt Service	Proposed Fiscal Year Debt Service	Less: State Aid	Proposed Local Effort	Existing Local Effort	Total Local Effort	Millage Equivalent
5/15/2017	50,000	0.900	0.900	41,387.81	91,387.81	91,387.81	(2,762.76)	88,625.05	5,716,975.37	5,967,923.54	0.07
11/15/2017	5,000	2.250	2.300	54,958.75	59,958.75						
5/15/2018				54,902.50	54,902.50	114,861.25	(3,472.39)	111,388.86	5,754,242.65	6,071,061.51	0.02
11/15/2018	5,000	2.250	2.300	54,902.50	59,902.50						
5/15/2019				54,846.25	54,846.25	114,748.75	(3,468.99)	111,279.76	5,866,780.42	6,183,490.17	
11/15/2019	5,000	2.250	2.300	54,846.25	59,846.25						
5/15/2020				54,790.00	54,790.00	114,636.25	(3,465.59)	111,170.66	5,864,754.70	6,181,355.36	
11/15/2020	5,000	2.250	2.300	54,790.00	59,790.00						
5/15/2021				54,733.75	54,733.75	114,523.75	(3,462.19)	111,061.56	5,868,321.83	6,184,813.39	
11/15/2021	5,000	2.250	2.300	54,733.75	59,733.75						
5/15/2022				54,677.50	54,677.50	114,411.25	(3,458.79)	110,952.46	5,867,605.23	6,183,987.69	
11/15/2022	5,000	2.250	2.300	54,677.50	59,677.50						
5/15/2023				54,621.25	54,621.25	114,298.75	(3,455.39)	110,843.36	5,867,576.77	6,183,850.13	
11/15/2023	5,000	2.250	2.300	54,621.25	59,621.25						
5/15/2024				54,565.00	54,565.00	114,186.25	(3,451.99)	110,734.26	5,867,009.40	6,183,173.66	
11/15/2024	115,000	2.700	2.700	54,565.00	169,565.00						
5/15/2025				53,012.50	53,012.50	222,577.50	(6,728.78)	215,848.72	3,089,924.24	3,718,367.96	
11/15/2025	115,000	2.700	2.700	53,012.50	168,012.50						
5/15/2026				51,460.00	51,460.00	219,472.50	(6,634.92)	212,837.58	3,089,738.80	3,714,433.88	
11/15/2026	120,000	2.700	2.700	51,460.00	171,460.00						
5/15/2027				49,840.00	49,840.00	221,300.00	(6,690.16)	214,609.84	3,091,150.68	3,716,745.52	
11/15/2027	125,000	3.100	3.100	49,840.00	174,840.00						
5/15/2028				47,902.50	47,902.50	222,742.50	(6,733.77)	216,008.73	3,088,455.41	3,713,991.64	
11/15/2028	100,000	3.100	3.100	47,902.50	147,902.50						
5/15/2029				46,352.50	46,352.50	194,255.00	(5,872.56)	188,382.44	3,037,498.79	3,584,131.23	
11/15/2029	160,000	3.100	3.100	46,352.50	206,352.50						
5/15/2030				43,872.50	43,872.50	250,225.00	(7,564.60)	242,660.40	2,515,851.95	3,229,322.34	
11/15/2030	190,000	3.100	3.100	43,872.50	233,872.50						
5/15/2031				40,927.50	40,927.50	274,800.00	(8,307.53)	266,492.47	1,863,788.28	2,641,015.75	
11/15/2031	270,000	3.100	3.100	40,927.50	310,927.50						
5/15/2032				36,742.50	36,742.50	347,670.00	(10,510.48)	337,159.52	1,306,852.95	2,301,417.47	
11/15/2032	395,000	3.300	3.300	36,742.50	431,742.50						
5/15/2033				30,225.00	30,225.00	461,967.50	(13,965.83)	448,001.67	877,125.00	2,202,251.67	
11/15/2033	340,000	3.300	3.300	30,225.00	370,225.00						
5/15/2034				24,615.00	24,615.00	394,840.00	(11,936.49)	382,903.51	749,107.50	1,881,118.51	
11/15/2034	350,000	3.300	3.300	24,615.00	374,615.00						
5/15/2035				18,840.00	18,840.00	393,455.00	(11,894.62)	381,560.38	752,410.00	1,886,380.38	
11/15/2035	365,000	3.300	3.300	18,840.00	383,840.00						
5/15/2036				12,817.50	12,817.50	396,657.50	(11,991.43)	384,666.07	749,970.00	1,884,606.07	
11/15/2036	375,000	3.300	3.300	12,817.50	387,817.50						
5/15/2037				6,630.00	6,630.00	394,447.50	(11,924.62)	382,522.88	751,787.50	1,886,097.88	
11/15/2037	390,000	3.400	3.400	6,630.00	396,630.00						
5/15/2038				0.00	0.00	396,630.00	(11,990.60)	384,639.40	747,495.00	1,879,629.40	
TOTALS	3,495,000			1,789,094.06	5,284,094.06	5,284,094.06	(159,744.50)	5,124,349.56	72,384,422.47	87,379,165.16	0.09
PE%=	16.43%										
CARF%=	18.40%										
1 MILL=	1,270,772	Estimated									



SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP
SERIES OF 2017

Total Issue = \$9,995,000

TABLE 2

Settled 11/7/2017
Dated 11/7/2017

STEP 2 - \$2,495,000

1	2	3	4	5	6	7	8	9	10	11
<u>Date</u>	<u>Principal</u>	<u>Rate</u>	<u>Interest</u>	<u>Semi-Annual Debt Service</u>	<u>Proposed Fiscal Year Debt Service</u>	<u>Less: State Aid</u>	<u>Proposed Local Effort</u>	<u>Existing Local Effort</u>	<u>Total Local Effort</u>	<u>Millage Equivalent</u>
5/15/2018	35,000	2.230	45,406.70	80,406.70	80,406.70	(2,430.79)	77,975.91	6,071,061.51	6,149,037.42	0.06
11/15/2018	5,000	2.230	43,084.25	48,084.25						
5/15/2019			43,028.50	43,028.50	91,112.75	(2,754.45)	88,358.30	6,183,490.17	6,271,848.48	0.01
11/15/2019	5,000	2.290	43,028.50	48,028.50						
5/15/2020			42,971.25	42,971.25	90,999.75	(2,751.03)	88,248.72	6,181,355.36	6,269,604.08	
11/15/2020	5,000	2.380	42,971.25	47,971.25						
5/15/2021			42,911.75	42,911.75	90,883.00	(2,747.50)	88,135.50	6,184,813.39	6,272,948.89	
11/15/2021	5,000	2.510	42,911.75	47,911.75						
5/15/2022			42,849.00	42,849.00	90,760.75	(2,743.81)	88,016.94	6,183,987.69	6,272,004.63	
11/15/2022	5,000	2.660	42,849.00	47,849.00						
5/15/2023			42,782.50	42,782.50	90,631.50	(2,739.90)	87,891.60	6,183,850.13	6,271,741.73	
11/15/2023	5,000	2.810	42,782.50	47,782.50						
5/15/2024			42,712.25	42,712.25	90,494.75	(2,735.76)	87,758.99	6,183,173.66	6,270,932.65	
11/15/2024	105,000	2.910	42,712.25	147,712.25						
5/15/2025			41,184.50	41,184.50	188,896.75	(5,710.58)	183,186.17	3,718,367.96	3,901,554.13	
11/15/2025	105,000	3.000	41,184.50	146,184.50						
5/15/2026			39,609.50	39,609.50	185,794.00	(5,616.78)	180,177.22	3,714,433.88	3,894,611.11	
11/15/2026	110,000	3.090	39,609.50	149,609.50						
5/15/2027			37,910.00	37,910.00	187,519.50	(5,668.94)	181,850.56	3,716,745.52	3,898,596.08	
11/15/2027	115,000	3.190	37,910.00	152,910.00						
5/15/2028			36,075.75	36,075.75	188,985.75	(5,713.27)	183,272.48	3,713,991.64	3,897,264.12	
11/15/2028	130,000	3.290	36,075.75	166,075.75						
5/15/2029			33,937.25	33,937.25	200,013.00	(6,046.63)	193,966.37	3,584,131.23	3,778,097.59	
11/15/2029	135,000	3.370	33,937.25	168,937.25						
5/15/2030			31,662.50	31,662.50	200,599.75	(6,064.37)	194,535.38	3,229,322.34	3,423,857.72	
11/15/2030	145,000	3.440	31,662.50	176,662.50						
5/15/2031			29,168.50	29,168.50	205,831.00	(6,222.52)	199,608.48	2,641,015.75	2,840,624.23	
11/15/2031	155,000	3.480	29,168.50	184,168.50						
5/15/2032			26,471.50	26,471.50	210,640.00	(6,367.90)	204,272.10	2,301,417.47	2,505,689.57	
11/15/2032	165,000	3.540	26,471.50	191,471.50						
5/15/2033			23,551.00	23,551.00	215,022.50	(6,500.39)	208,522.11	2,202,251.67	2,410,773.78	
11/15/2033	170,000	3.590	23,551.00	193,551.00						
5/15/2034			20,499.50	20,499.50	214,050.50	(6,471.00)	207,579.50	1,881,118.51	2,088,698.01	
11/15/2034	175,000	3.640	20,499.50	195,499.50						
5/15/2035			17,314.50	17,314.50	212,814.00	(6,433.62)	206,380.38	1,886,380.38	2,092,760.76	
11/15/2035	180,000	3.690	17,314.50	197,314.50						
5/15/2036			13,993.50	13,993.50	211,308.00	(6,388.09)	204,919.91	1,884,606.07	2,089,525.97	
11/15/2036	190,000	3.740	13,993.50	203,993.50						
5/15/2037			10,440.50	10,440.50	214,434.00	(6,482.60)	207,951.40	1,886,097.88	2,094,049.28	
11/15/2037	195,000	3.780	10,440.50	205,440.50						
5/15/2038			6,755.00	6,755.00	212,195.50	(6,414.92)	205,780.58	1,879,629.40	2,085,409.97	
11/15/2038	255,000	3.800	6,755.00	261,755.00						
5/15/2039			1,910.00	1,910.00	263,665.00	(7,970.91)	255,694.09		255,694.09	
11/15/2039	100,000	3.820	1,910.00	101,910.00						
5/15/2040			0.00	0.00	101,910.00	(3,080.86)	98,829.14		98,829.14	
TOTALS	2,495,000		1,343,968.45	3,838,968.45	3,838,968.45	(116,056.62)	3,722,911.83	81,411,241.62	85,134,153.44	0.07
PE%=	16.43%									
CARF%=	18.40%									
1 MILL=	1,270,772	Estimated								



SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP
SERIES OF 2018

Total Issue = \$43,600,000

TABLE 3

Settled 12/1/2018
Dated 12/1/2018

STEP 3 - \$24,060,000

1	2	3	4	5	6	7	8		9	10	11
				Semi-Annual	Proposed		Proposed	Less:	Existing	Total	
Date	Principal	Rate	Interest	Debt Service	Fiscal Year Debt Service	Less: State Aid	Local Effort	Capitalized Interest	Local Effort	Local Effort	Millage Equivalent
5/15/2019			389,427.34	389,427.34	389,427.34	(11,772.86)	377,654.48		6,271,848.48	6,649,502.96	0.30
11/15/2019	5,000	2.330	427,420.25	432,420.25							
5/15/2020			427,362.00	427,362.00	859,782.25	(25,992.25)	833,790.00	(138,651.00)	6,269,604.08	6,964,743.08	0.25
11/15/2020	5,000	2.390	427,362.00	432,362.00							
5/15/2021			427,302.25	427,302.25	859,664.25	(25,988.68)	833,675.57		6,272,948.89	7,106,624.46	0.11
11/15/2021	5,000	2.480	427,302.25	432,302.25							
5/15/2022			427,240.25	427,240.25	859,542.50	(25,985.00)	833,557.50		6,272,004.63	7,105,562.13	
11/15/2022	5,000	2.610	427,240.25	432,240.25							
5/15/2023			427,175.00	427,175.00	859,415.25	(25,981.15)	833,434.10		6,271,741.73	7,105,175.83	
11/15/2023	5,000	2.760	427,175.00	432,175.00							
5/15/2024			427,106.00	427,106.00	859,281.00	(25,977.10)	833,303.90		6,270,932.65	7,104,236.55	
11/15/2024	1,055,000	2.910	427,106.00	1,482,106.00							
5/15/2025			411,755.75	411,755.75	1,893,861.75	(57,253.71)	1,836,608.04		3,901,554.13	5,738,162.17	
11/15/2025	1,090,000	3.010	411,755.75	1,501,755.75							
5/15/2026			395,351.25	395,351.25	1,897,107.00	(57,351.82)	1,839,755.18		3,894,611.11	5,734,366.29	
11/15/2026	1,120,000	3.100	395,351.25	1,515,351.25							
5/15/2027			377,991.25	377,991.25	1,893,342.50	(57,238.02)	1,836,104.48		3,898,596.08	5,734,700.56	
11/15/2027	1,155,000	3.190	377,991.25	1,532,991.25							
5/15/2028			359,569.00	359,569.00	1,892,560.25	(57,214.37)	1,835,345.88		3,897,264.12	5,732,610.00	
11/15/2028	1,215,000	3.290	359,569.00	1,574,569.00							
5/15/2029			339,582.25	339,582.25	1,914,151.25	(57,867.09)	1,856,284.16		3,778,097.59	5,634,381.75	
11/15/2029	1,300,000	3.390	339,582.25	1,639,582.25							
5/15/2030			317,547.25	317,547.25	1,957,129.50	(59,166.37)	1,897,963.13		3,423,857.72	5,321,820.85	
11/15/2030	1,405,000	3.470	317,547.25	1,722,547.25							
5/15/2031			293,170.50	293,170.50	2,015,717.75	(60,937.57)	1,954,780.18		2,840,624.23	4,795,404.41	
11/15/2031	1,515,000	3.540	293,170.50	1,808,170.50							
5/15/2032			266,355.00	266,355.00	2,074,525.50	(62,715.40)	2,011,810.10		2,505,689.57	4,517,499.68	
11/15/2032	1,605,000	3.580	266,355.00	1,871,355.00							
5/15/2033			237,625.50	237,625.50	2,108,980.50	(63,757.01)	2,045,223.49		2,410,773.78	4,455,997.27	
11/15/2033	1,740,000	3.640	237,625.50	1,977,625.50							
5/15/2034			205,957.50	205,957.50	2,183,583.00	(66,012.33)	2,117,570.67		2,088,698.01	4,206,268.68	
11/15/2034	1,805,000	3.690	205,957.50	2,010,957.50							
5/15/2035			172,655.25	172,655.25	2,183,612.75	(66,013.23)	2,117,599.52		2,092,760.76	4,210,360.28	
11/15/2035	1,875,000	3.740	172,655.25	2,047,655.25							
5/15/2036			137,592.75	137,592.75	2,185,248.00	(66,062.67)	2,119,185.33		2,089,525.97	4,208,711.30	
11/15/2036	1,945,000	3.790	137,592.75	2,082,592.75							
5/15/2037			100,735.00	100,735.00	2,183,327.75	(66,004.62)	2,117,323.13		2,094,049.28	4,211,372.41	
11/15/2037	2,020,000	3.840	100,735.00	2,120,735.00							
5/15/2038			61,951.00	61,951.00	2,182,686.00	(65,985.22)	2,116,700.78		2,085,409.97	4,202,110.76	
11/15/2038	2,540,000	3.880	61,951.00	2,601,951.00							
5/15/2039			12,675.00	12,675.00	2,614,626.00	(79,043.28)	2,535,582.72		255,694.09	2,791,276.81	
11/15/2039	650,000	3.900	12,675.00	662,675.00							
5/15/2040			0.00	0.00	662,675.00	(20,033.46)	642,641.54		98,829.14	741,470.68	
			0.00	0.00							
TOTALS	24,060,000		12,470,247.09	36,530,247.09	36,530,247.09	(1,104,353.21)	35,425,893.88		78,985,116.02	114,272,358.91	0.66
PE%=	16.43%										
CARF%=	18.40%										
1 MILL=	1,270,772	Estimated									



SCHOOL DISTRICT OF SPRINGFIELD TOWNSHIP

SERIES OF 2019

Total Issue = \$9,995,000

TABLE 4

Settled 11/1/2019
Dated 11/1/2019

STEP 4 - \$9,995,000

1	2	3	4	5	6	7	8	9	10	11
<u>Date</u>	<u>Principal</u>	<u>Rate</u>	<u>Interest</u>	<u>Semi-Annual Debt Service</u>	<u>Proposed Fiscal Year Debt Service</u>	<u>Less: State Aid</u>	<u>Proposed Local Effort</u>	<u>Existing Local Effort</u>	<u>Total Local Effort</u>	<u>Millage Equivalent</u>
5/15/2020			182,826.14	182,826.14	182,826.14	(5,527.05)	177,299.09	6,964,743.08	7,142,042.16	0.14
11/15/2020	5,000	2.230	169,632.50	174,632.50						
5/15/2021			169,576.75	169,576.75	344,209.25	(10,405.86)	333,803.39	7,106,624.46	7,440,427.85	0.12
11/15/2021	5,000	2.290	169,576.75	174,576.75						
5/15/2022			169,519.50	169,519.50	344,096.25	(10,402.44)	333,693.81	7,105,562.13	7,439,255.94	
11/15/2022	5,000	2.380	169,519.50	174,519.50						
5/15/2023			169,460.00	169,460.00	343,979.50	(10,398.91)	333,580.59	7,105,175.83	7,438,756.41	
11/15/2023	5,000	2.510	169,460.00	174,460.00						
5/15/2024			169,397.25	169,397.25	343,857.25	(10,395.22)	333,462.03	7,104,236.55	7,437,698.59	
11/15/2024	445,000	2.660	169,397.25	614,397.25						
5/15/2025			163,478.75	163,478.75	777,876.00	(23,516.12)	754,359.88	5,738,162.17	6,492,522.05	
11/15/2025	455,000	2.810	163,478.75	618,478.75						
5/15/2026			157,086.00	157,086.00	775,564.75	(23,446.25)	752,118.50	5,734,366.29	6,486,484.78	
11/15/2026	465,000	2.910	157,086.00	622,086.00						
5/15/2027			150,320.25	150,320.25	772,406.25	(23,350.77)	749,055.48	5,734,700.56	6,483,756.05	
11/15/2027	480,000	3.000	150,320.25	630,320.25						
5/15/2028			143,120.25	143,120.25	773,440.50	(23,382.03)	750,058.47	5,732,610.00	6,482,668.47	
11/15/2028	500,000	3.090	143,120.25	643,120.25						
5/15/2029			135,395.25	135,395.25	778,515.50	(23,535.46)	754,980.04	5,634,381.75	6,389,361.80	
11/15/2029	515,000	3.190	135,395.25	650,395.25						
5/15/2030			127,181.00	127,181.00	777,576.25	(23,507.06)	754,069.19	5,321,820.85	6,075,890.04	
11/15/2030	530,000	3.290	127,181.00	657,181.00						
5/15/2031			118,462.50	118,462.50	775,643.50	(23,448.63)	752,194.87	4,795,404.41	5,547,599.28	
11/15/2031	550,000	3.370	118,462.50	668,462.50						
5/15/2032			109,195.00	109,195.00	777,657.50	(23,509.52)	754,147.98	4,517,499.68	5,271,647.66	
11/15/2032	625,000	3.440	109,195.00	734,195.00						
5/15/2033			98,445.00	98,445.00	832,640.00	(25,171.71)	807,468.29	4,455,997.27	5,263,465.56	
11/15/2033	715,000	3.480	98,445.00	813,445.00						
5/15/2034			86,004.00	86,004.00	899,449.00	(27,191.42)	872,257.58	4,206,268.68	5,078,526.25	
11/15/2034	735,000	3.540	86,004.00	821,004.00						
5/15/2035			72,994.50	72,994.50	893,998.50	(27,026.65)	866,971.85	4,210,360.28	5,077,332.13	
11/15/2035	760,000	3.590	72,994.50	832,994.50						
5/15/2036			59,352.50	59,352.50	892,347.00	(26,976.72)	865,370.28	4,208,711.30	5,074,081.58	
11/15/2036	795,000	3.640	59,352.50	854,352.50						
5/15/2037			44,883.50	44,883.50	899,236.00	(27,184.98)	872,051.02	4,211,372.41	5,083,423.43	
11/15/2037	820,000	3.690	44,883.50	864,883.50						
5/15/2038			29,754.50	29,754.50	894,638.00	(27,045.98)	867,592.02	4,202,110.76	5,069,702.78	
11/15/2038	1,010,000	3.740	29,754.50	1,039,754.50						
5/15/2039			10,867.50	10,867.50	1,050,622.00	(31,761.56)	1,018,860.44	2,791,276.81	3,810,137.25	
11/15/2039	575,000	3.780	10,867.50	585,867.50						
5/15/2040			0.00	0.00	585,867.50	(17,711.48)	568,156.02	741,470.68	1,309,626.70	
TOTALS	9,995,000		4,721,446.64	14,716,446.64	14,716,446.64	(444,895.84)	14,271,550.80	107,622,855.95	121,894,406.75	0.26
PE%=	16.43%									
CARF%=	18.40%									
1 MILL=	1,270,772	Estimated								



PART VII

Public Comments



PUBLIC COMMENTS:

Any and all interested persons may appear at and attend the public hearing and will be granted a reasonable opportunity to be heard at this public hearing. Sign-in sheets are available in the Freeze Lobby of the Springfield Township High School at the time of the hearing. The Board will call upon individuals signing such sign-in sheets in the order in which they appear. Commentary will be limited to five (5) minutes per interested person. No person shall be allowed to speak a second time until all parties commenting the first time have been heard. The Board will allow public comment and/or questioning until the conclusion of the hearing.

Please feel welcome to participate during the comment period at the appropriate part of tonight's presentation. Thank you.

THE PUBLIC HAS THIRTY (30) DAYS FOLLOWING THIS HEARING UP TO AND INCLUDING MONDAY, NOVEMBER 20, 2017, TO MAKE WRITTEN COMMENTS ABOUT THE PROJECT.



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