

ACT 34 HEARING BOOKLET

Springfield School District



For the
Proposed:

Construction of:
New High School

Date: April 11th, 2018
Time: 7:00 PM
Location: Springfield School District
Board Room of the
McLaughlin Education Center
Administration Offices
111 West Leamy Avenue
Springfield, PA 19064

SCHRADERGROUP

in association with

PERKINS+WILL

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PART I

Introduction

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SPRINGFIELD SCHOOL DISTRICT DELAWARE COUNTY, PENNSYLVANIA

BOARD OF SCHOOL DIRECTORS

Jennifer H. Lofland, President
Bruce E. Lord, Jr., Vice-President
Jennifer Flynn, Board Member
Christopher DeSantis, Board Member
Kevin Keenan, Board Member
Joseph Sillo, Board Member
Margaret G. Rovinski, Board Member

Domenic Bentivegna, School Board Secretary
Frank Agovino, School Board Treasurer

DISTRICT ADMINISTRATION

Dr. Anthony Barber, Superintendent
Dr. Kristin Nash, Director of Special Education
Cynthia Mattei, Director of Teaching and Learning Elementary Education
Jeffrey Zweiback, Director of Teaching and Learning for Secondary Education
Donald Mooney, Executive Director of Operations
Linda Bellace, Director of Human Resources
Melissa Butler, Ed.D., Director of Technology and Assessment
Peter Olsen, Director of Facilities

BUILDING ADMINISTRATION

Joseph A. Hepp, Principal, Springfield High School
Dan Tracy, Principal, E.T. Richardson Middle School
Dr. Peter Brigg, Principal, Sabold Elementary School
Dr. Madeleine O'Dowd, Principal, Scenic Hills Elementary School
Susan Trella, Principal, Springfield Literacy Center



ARCHITECTS/ENGINEERS

SCHRADERGROUP Architecture, LLC
In association with
Perkins + Will Inc.

Consolidated Engineers
Mechanical/Electrical/Plumbing/Fire Protection/Technology
Engineering

SCHRADERGROUP Architecture, LLC
Structural Engineering

T & M Associates
Civil Engineering/Land Development Approval/Landscape Architecture

McFarland Kistler & Associates, Inc.
Food Service

CONSTRUCTION MANAGEMENT

CID Group, LLC

INDEPENDENT FINANCIAL ADVISOR

Public Financial Management, Inc.

DISTRICT SOLICITOR

DiOrio & Sereni LLP



ACT 34 HEARING AGENDA

NEW HIGH SCHOOL
SPRINGFIELD SCHOOL DISTRICT
Delaware County, PA

Location:
Springfield School District
Board Room of the McLaughlin Education Center
Administration Offices
111 West Leamy Avenue
Springfield, PA 19064

April 11, 2018
7:00 P.M.

- I. Opening Remarks..... Ms. Jennifer H. Lofland, President, Board of School Directors
and Dr. Anthony Barber, Superintendent of Schools
Springfield School District
- II. Hearing Duly Constituted..... Mr. Mark Sereni, Esq.
Solicitor
DiOrio & Sereni LLP
- III. Project History and Need for Construction..... Mr. Kevin Keenan, PE, CEM, LEED AP
Chairperson of Facilities Committee
Springfield School District
- IV. Project Options Considered Mr. Donald Mooney
Executive Director of Operations
Springfield School District
- V. Project Description David L. Schrader, AIA
SCHRADERGROUP Architecture, LLC

New Construction of: New High 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 Christopher Bamber
Public Financial Management
 - VII. Public Comments..... Mr. Mark Sereni, Esq.
Solicitor
DiOrio & Sereni LLP
 - VIII. Adjournment Ms. Jennifer H. Lofland, President
Board of School Directors
Springfield School District



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PART II

Hearing Duly Constituted

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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 High School 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 Board Room of the McLaughlin Education Center Administration Offices of the Springfield School District, 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 FRIDAY, MAY 11, 2018, TO MAKE WRITTEN COMMENTS ABOUT THE PROJECT.



**SPRINGFIELD SCHOOL DISTRICT
Delaware County, Pennsylvania
New High School**

RESOLUTION

WHEREAS, the Board of School Directors of this School District ("Board of School Director") has determined that a new High School 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 High School (herein "New High School 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 New High School 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, Executive Director of Operations, Architect, Financial Consultant, and others to take certain actions with respect to the New High School Project; and

WHEREAS, the School District desires to take certain action with respect to the New High School Project and to comply with Act 34 and the School Code.

NOW, THEREFORE, BE IT RESOLVED, by Board of School Directors of the Springfield School District, Delaware 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 Board Room of the McLaughlin Education Center Administration Offices of the Springfield School District, 111 West Leamy Avenue, Springfield, PA 19064, on April 11, 2018, 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 New High School Project as follows:

**Maximum Project Cost
\$137,456,328**

**Maximum Building Construction Cost
\$77,306,303**



4. The Board of School Directors hereby authorizes and directs that project descriptions of the New High School Project be prepared and hereby directs the Superintendent of the School District to make copies of such descriptions of the New High School 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 Mark A. Sereni, Esquire, and the law firm of DiOrio & Sereni, LLP, Media, Pennsylvania, Solicitor for the School District, to perform such acts on behalf of this School District as may be necessary in connection with the New High School Project.
6. This School District hereby authorizes the architectural firm known as SCHRADERGROUP Architecture, LLC, in association with Perkins + Will, Project Architects for the designated New High School Project, to perform such acts on behalf of the School District as may be necessary in connection with the New High School 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 New High School 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 8th day of February 2018.

Attest: 
Domenic Benlivegna
Board Secretary

SPRINGFIELD SCHOOL DISTRICT
Delaware County, Pennsylvania

By: 
Jennifer H. Lofland
Board President



CERTIFICATE

I, undersigned, Secretary of the Board of School Directors of the Springfield School District, Delaware 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 February 8, 2018 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 8th day of February 2018.


Domenic Bentivogna
Board Secretary

(SEAL)



BOARD OF SCHOOL DIRECTORS OF THE
SPRINGFIELD SCHOOL DISTRICT

NOTICE OF PUBLIC HEARING IN ACCORDANCE WITH ACT 34
New High School

TO: ALL RESIDENTS AND EMPLOYEES OF THE SPRINGFIELD SCHOOL DISTRICT

Please take notice that a public hearing will be held in the McLaughlin Education Center Board Room at the Administration Offices of the Springfield School District, 111 West Leamy Avenue, Springfield, PA 19064 on Wednesday, April 11, 2018, at 7:00 PM, prevailing time, relating to the planning, designing, acquiring, construction, and furnishing of the New High School, Delaware County, Pennsylvania (herein "New High School Project").

A description of the New High School Project, including facts with respect to the educational, physical, administrative, budgetary and fiscal matters relating to the New High School Project, and certain other information, will be presented at the hearing and will be available to the public from Wednesday, February 9th, 2018, until the public hearing, during regular business hours (8:00 AM to 4:00 PM) at the administrative offices of the Springfield School District located in the McLaughlin Education Center Administration Offices at 111 West Leamy Avenue, Springfield, PA 19064.

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

Maximum Project Cost
\$137,456,328

Maximum Building Construction Cost
\$77,306,303

This public hearing is being held with respect to the New High School 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 New High School Project no later than 12:00 noon on Wednesday, April 11, 2018. Such written testimony should be mailed via first class U.S. Mail or hand delivered (electronic mail shall not constitute acceptable delivery) to:

Dr. Anthony Barber
Superintendent
Springfield School District
111 West Leamy Avenue
Springfield, PA 19064

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 New High School 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 Administrative Center Board Room of the Administrative Offices of the Springfield School District 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 New High School Project will also be received by the Superintendent at the School District's administrative offices until 4:00 PM, Friday, May 11, 2018. 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

SPRINGFIELD SCHOOL DISTRICT
Delaware County, Pennsylvania

BY:


Domenic Bentivegna
Secretary of the Board of School Directors

**RECEIPT**

6/16/18

digitalfirst
MEDIA

PENNSYLVANIA GROUP

Account: 881819	Date: 03/16/18
Name:	Start Date: 03/19/18 Stop Date: 04/10/18
Company: SPRINGFIELD SCHOOL DISTRICT	Class: 1201 - Legal Notices
	Ad ID: 1549322
Address: 111 W LEAMY AVE	Ad Taker: CRMWISNEWSKI
SPRINGFIELD, PA 19064	Sales Person: Marylynn Wisniewski-Class Rep (
	Words: 583
Telephone: (610) 938-6004	Lines: 52
Fax: (000) 000-0000	Agate Lines: 162
Description: BOARD OF SCHOOL DIRECTORS OF THE SPR	Depth: 6.0
	Inserts: 46
	Blind Box:
	PC Number:

Ad sample

Total: \$11,750.37

Paid Amount: \$0.00

Amount Due: \$11,750.37

**BOARD OF SCHOOL DIRECTORS OF THE SPRINGFIELD SCHOOL DISTRICT
NOTICE OF PUBLIC HEARING IN ACCORDANCE WITH ACT 34
New High School**

TO: ALL RESIDENTS AND EMPLOYEES OF THE SPRINGFIELD SCHOOL DISTRICT
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Dr. Anthony Barber, Superintendent

Springfield School District, 111 West Leamy Avenue, Springfield, PA 19064

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**BY THE ORDER OF THE BOARD OF SCHOOL DIRECTORS
SPRINGFIELD SCHOOL DISTRICT, Delaware County, Pennsylvania**

BY: Domenic Bentivegna, Secretary of the Board of School Directors
DCT, March 19 thru April 10, 2-2

PublicationDaily Times and Sunday Times,
Daily & Sunday Times DigitalWe Appreciate Your Business!
Thank You !



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PART III

Project History & Need for
Construction

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PROJECT HISTORY AND NEED FOR CONSTRUCTION

Introduction

LOCATION

The Springfield School District is located in Springfield Township, Delaware County, in southeastern Pennsylvania. It is a suburb of Philadelphia, located about 12 miles southwest of the city. The Township has a total area of 6.34 square miles of which, 6.32 square miles of it is land and 0.28% is water, and serves the neighboring community of Morton Borough. The Township is bordered in Delaware County by Haverford Township to the north, Upper Darby Township to the east, both Ridley Township and Morton Borough to the south, both Swarthmore Borough and Nether Providence Township to the southwest, and Marple Township to the northwest. It should be noted that a small exclave of Springfield Township is located south of Swarthmore Borough. The northeastern border of the township is formed by Darby Creek, and the western border is formed by Crum Creek, both of which flow south to the Delaware River.

From a combined population of approximately 24,375 residents in Springfield Township and Morton Borough, the District educates over 4,059 students in grades K-12 (2017-18 enrollment). The District currently maintains five schools: Springfield Literacy Center (K-1); Scenic Hills Elementary School (2-5); Harvey C. Sabold Elementary School (2-5); E.T. Richardson Middle School (6-8); and Springfield High School (9-12).

The Springfield School District has identified that it is their mission of attaining excellence by “inspiring our students to explore themselves and their endless possibilities, and giving them the power and choice to attain their ultimate potential”. 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

Springfield School District’s Facilities Committee regularly evaluates the effectiveness of the District’s facilities. A report called the Service Life Extension Program (SLEP) is prepared at intervals in order to forecast capital improvements required at all District facilities. Enrollment projections are prepared on a regular basis in order to evaluate the District’s capacity vs the expected number of students. A master plan was completed in 2014 to specifically evaluate the High School facility and develop options for the future.

In general, the High School is showing significant signs of aging. Originally constructed in 1953, there have been 4 subsequent additions in 1956, 1970, 1978, and 1998. The following represents a summary of findings:

- The roof is in need of immediate replacement. Currently, roof maintenance is a series of patch projects not addressing the overall condition of the roof system.



- The exterior windows and doors are approaching the end of their useful life. Some are single-pane windows, and some double-pane units have failed seals/gaskets. Many of the exterior doors are showing wear, and much of the panic hardware is worn.
- Many of the interior doors are original and should be replaced. Included should be ADA compliant hardware.
- Accessibility items include door hardware, reconstruction of interior ramps, non-compliant restrooms. Compliant guard and handrails, access to the main entries, egress directly to grade, and access to each floor level.
- Areas of rescue assistance/two-way communication points should be considered due to non-rated stairs and a lack of egress to grade throughout the building. Areas of rescue assistance are not required under IBC 2009 if the building is fully sprinklered.
- Approximately $\frac{1}{2}$ of the interior corridor ceilings could be considered for replacement. Although functional, aesthetically they are showing signs of wear.
- The rubber floor material at stair and ramps should be considered for replacement. Although intact and maintained, they show signs of aging and can be expected to require increased maintenance.
- Asbestos is contained within the school, most notably the roof decking, which significantly contributes to the cost of roof replacement. Per the ATC report, most of the asbestos is non-friable.
- The exterior canopies should be replaced in their entirety. The roofs are leaking, leading to compromised plaster soffits. The soffits can be expected to fail shortly, posing a safety concern for students. The steel column bases are rusted and should be reviewed for structural adequacy. Repair and repainting of these columns may be an option in lieu of full replacement with further analysis from a structural engineer.
- Many restrooms have been upgraded for finishes and ADA compliance; however, a few remain to be updated.
- The lower level maintenance area (DAO) requires life safety attention specific to illuminated egress signage and panic hardware on required egress doors.
- Site sidewalk concrete is failing and should be replaced prior to further deterioration and heaving, which could pose tripping hazards. Much of the concrete walks needing replacement are at the main High School and DAO entries. Further, the main high school stone entry steps are in need of replacement/resetting to avoid future tripping hazards.

Engineering Systems

The High School is heated by 4 Smith Mills series 650 cast iron sectional steam boilers in good condition. The boilers are approximately 30 years old, but are of good quality and could provide additional years of service with proper maintenance. It would be reasonable to assume another 15 years of life exist in these boilers. Mud drum and nipple maintenance was recently performed in the Summer 2011 and is critical to prolonging their life. Condensate piping is likely to be at the end of its useful life and will require continued repair as long as the steam systems are utilized. A vacuum pump condensate return system was recently rebuilt and should provide good service for a couple of years. These types of condensate return systems require frequent rebuilding and maintenance. Continuation of the current trap maintenance program is recommended.

Limited cooling is provided by two separate chilled water systems and various small DX systems. Two water cooled screw chillers and a single tower provide cooling to areas of the original High School. An



air-cooled chiller provides cooling to the senior wing and media center. These systems appear to be in good working order.

Most classrooms (other than the senior wing) are served by heating and ventilating unit ventilators of various age and condition. Unit ventilators are typically re-buildable either by used manufacturer or field manufactured parts and should remain usable for the remaining life of the building. Four pipe fan coil units serving the senior wing provide adequate temperature control, but no humidity control due to improper placement of the heating and cooling coils.

Air handlers serving large spaces have been replaced over the past couple of years and typically are in good condition.

The hot water tank and steam heating element have recently been repaired/replaced and are in good working order.

Bathrooms and fixtures have been typically been renovated or recently constructed and are in good condition.

The High School electric service from PECO is a 13.2 kilovolt medium voltage service and current readings indicate the electric service adequately serves the building's present loads. Most of the distribution equipment is in good condition and replacement breakers are readily available. However, some Federal Pacific panel-boards exist in the District Administration Area that are older and replacement parts are difficult to obtain.

Emergency power is provided by three on-site generators; a 135kva diesel generator located outside the boiler room, a 40kva natural gas located in the chiller area and a 16kva natural gas located near the kitchen. The generator at the boiler room is newer and in good condition and adequately sized for current needs. The generator at the chiller area is older but in fair condition and appears to have been properly maintained. The small generator at the kitchen area is older and present needs for additional emergency power in the area indicate that this generator should be replaced. Options to replace the generator in place with a larger unit, moving the load to one of the other generators or replacing all the generators with one larger unit to serve the entire facility should be studied and considered.

Interior lighting mostly consists of recessed parabolic or lensed fixtures with T8 fluorescent lamps that provide sufficient light levels and offer decent energy efficiency. Several down-lights and exterior wall packs exist with incandescent lamping. These should be replaced with Fluorescent or LED fixtures to provide energy savings. The old gym utilizes 400 wall metal halide fixtures and replacement with fluorescent would provide energy savings. The library lighting was older, inefficient and lacked controls for available daylight, and the School District indicated they were scheduled for replacement. Some occupancy sensor controls exist in selected spaces and should be added to all interior space for additional energy savings.

The auditorium lighting system currently consists of a Lehigh Dimming Cabinet and control board. The stage has three rows of lighting plug bars with several flood and spot lights along with three rows of 3-color border lights. Spot lights also serve the stage from front of house and side bars in the auditorium seating area. Recessed lighting in the plaster ceiling (asbestos) serve the seating area. The auditorium/stage lighting system is old and the District has had recent problems.



The special electrical/safety/communication systems serving the High School appeared to be in working condition and adequately serving the facility with District providing the necessary revisions and upgrades as the need arises.

Roof Replacement

It should be noted replacement of the roof is necessary due to consistent failures in the ballasted roof system. Further, replacement is significantly complicated by asbestos roof decking which constitutes approximately 50% of the decking. Consequently, it is reasonable to expect deck abatement and replacement as part of the roof replacement project. Included in the estimated cost to replace the roof are roof removal and replacement, decking removal/remediation, supplemental steel for new metal roof decking, temporary weather proofing, demolition and replacement of ceiling systems, allowance for damaged interior due to exposure to weather and temporary classrooms. Deserving further discussion is the operational impact phasing will have on students and faculty as spaces such as the auditorium and the blue gym contain asbestos decking.

Emergency Generator

Currently, the full emergency power demands for the high school are being met by 3 separate generators. Some of these generators are maxed-out and/or approaching the end of their lifespan. The Stantec District Wide Feasibility Study notes 2 options: one provides one generator to handle the school's demand; the other replaces one existing smaller generator with a larger to handle the required additional load. One generator sized for current and future loads would offer decreased maintenance.

Canopy Replacement HS and DAO

This scope at a minimum should include a more detailed structural analysis of the existing canopy columns, which are rusting at the base. At a minimum, these column bases should be prepped and structurally remediated. Should remediation not be feasible, a full replacement of the columns will be required. It is recommended a concrete base be provided to shield new steel columns from direct contact with salt. Further, each canopy will require a new roof, gutter, down spout and soffit system. Due to the extent of work required at each canopy, it is likely more cost effective to consider a full demolition of the canopies.

Football Plaza Masonry

The flashing at each coast stone cap appears to be failing as efflorescence is present on all of the pilasters. Further, water intrusion is causing some of the brick to spall. It is recommended that the masonry be removed to the cap flashing level and that the cap flashing be continuous under the cast stone caps. Further, joints in the cast stone caps should be soft joints to minimize water intrusion due to freeze thaw cycles.

Conclusion

As indicated above, Architecture (core/shell/fitout) is anticipated to contain the majority of capital expenditures at the High School. A majority of these costs are attributable to the roof replacement.



Springfield School District conducted a Master Plan to study the High School Building and site. At the conclusion of the master plan a series of Town Hall Meetings were conducted. The master plan noted numerous deficiencies with the existing building. The information presented is described throughout in this booklet.

After extensive evaluation of the various options, and in light of the educational goals of the District, the decision was made to construct a New High School Building on the existing Springfield High School site.

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.



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



Enrollment Projections
Prepared by the Pennsylvania Department of Education
(717) 787-2644

Springfield SD 125238502

YEAR	K	1	2	3	4	5	6	7	8	9	10	11	12	Total
Actual														
2011 - 2012	276	311	299	292	279	267	259	307	260	290	307	296	311	3754
2012 - 2013	265	301	321	307	296	290	269	266	307	277	291	316	312	3818
2013 - 2014	287	289	315	323	314	315	297	277	269	330	281	292	318	3907
2014 - 2015	256	302	303	324	339	323	315	309	275	281	334	277	306	3944
2015 - 2016	300	285	292	314	321	343	328	305	314	286	290	332	292	4002
Projection														
2016 - 2017	307	304	292	301	320	333	347	333	307	332	290	291	349	4106
2017 - 2018	270	314	311	301	307	332	337	353	335	324	337	291	306	4118
2018 - 2019	288	276	321	320	307	318	336	343	355	354	329	338	306	4191
2019 - 2020	269	295	282	331	326	318	322	341	345	375	359	330	356	4249
2020 - 2021	264	275	302	291	337	338	322	327	343	364	381	360	347	4251
2021 - 2022	259	270	281	311	297	349	342	327	329	362	370	382	379	4258
2022 - 2023	254	265	276	290	317	308	353	348	329	347	368	371	402	4228
2023 - 2024	249	260	271	284	296	328	312	359	350	347	352	369	390	4167
2024 - 2025	244	255	266	279	289	307	332	317	361	370	352	353	388	4113
2025 - 2026	239	250	261	274	284	299	311	337	319	381	376	353	371	4055

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	1512	1855	2183	2488	2802	3088	4002	1290	947	619	1233	905	1819	1514	1200	914
2020 - 2021	1469	1807	2129	2456	2799	3163	4251	1330	992	670	1356	1034	2122	1795	1452	1088
2025 - 2026	1308	1607	1918	2255	2574	2955	4055	1266	967	656	1348	1037	2137	1800	1481	1100

- 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.



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PART IV

Project Options Considered

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PROJECT OPTIONS CONSIDERED

DISTRICT OPTIONS

Springfield School District (SSD) undertook an extensive and public process to determine the future of the high school project. After considerable analysis of the existing building and its condition, the district began a process of public investigation conducted through a series of Town Hall meetings to determine the future of the project.

Beginning on May 22, 2014, SSD undertook a process to provide the public with a series of presentations to first, provide the public with the knowledge base to make the difficult decisions of what to do with the building and site, and then to further develop a thorough and comprehensive approach to the various options. During this timeframe, administration, staff and consultants worked diligently to provide the investigations and options required to develop appropriate options.

The Town Hall Meetings and their content occurred on the following dates:

<u>Town Hall Meeting Number</u>	<u>Meeting date</u>	<u>Presentation Content</u>
Town Hall Meeting #1	May 22, 2014	Master Plan Process Overview
Town Hall Meeting #1 (repeat)	October 16, 2014	Repeat of Master Plan Process Overview
Town Hall Meeting #2	November 13, 2014	Exist. Bldg./Right Sizing/Ed Model
Town Hall Meeting #3	December 11, 2014	Phasing/Traffic and Parking
Town Hall Meeting #4	January 14, 2015	Community/Academic/Athlet. + Rec/Sustain
Town Hall Meeting #5	February 4, 2015	Cost/Financing/Tax Impact
Town Hall Meeting #6	March 19, 2015	Recap/Summary/Options Moving Forward

OPTIONS

As a conclusion to the process described above, the District developed four basic options to pursue. Each of the four options presented below is provided with a series of criteria for evaluation based on those SSD criteria from the various Town Hall Meetings described above. All of the information provided below assumes a project with construction starting in 2017. The project was delayed approximately one year and so costs provided below should be escalated appropriately. Analyses are as provided below.

OPTION 1 – Maintain Existing Building

Under the Maintain Existing Building concept, the goal would be to maintain the existing building in its current form with renovations to provide for a service life extension. All required building performance and maintenance upgrades will be completed. In this option, the Administrative Building is not relocated, there are limited campus/site improvements and the overall building design and layout does not change.

<u>CATEGORY</u>	<u>INFORMATION</u>
COSTS	
Estimate Project Cost (2013)	\$76M-\$92M
Estimated Project Cost (2019)	\$90M-\$110M



Estimated Project Cost (2017 start – 2019 midpoint)	\$100.3M
PHASING/SCHEDULE	
Base Constr. Duration	3.2 yrs (38 months)
Proj Duration incl Phasing	3.7 yrs (44 months)
TEMPORARY SPACE	
Are temp CRs required?	Yes, 25-30 potential
OTHER ISSUES	
Circulation/Campus disruption during const issues	High
Potential for schedule creep	High
Is remediation of the roof deck required	Yes
Will building services be interrupted	Yes

OPTION 2 – Renovate Existing Building

Under the Renovate Existing Building concept, the goal would be to maintain the existing building with renovations to provide for a service life extension. All required building performance and maintenance upgrades will be completed. Additionally, in this option, the Administrative Building and Bus Parking are relocated. A new gymnasium and locker rooms will be constructed and new parking spots will be provided along with an additional regulation sized playing field.

<u>CATEGORY</u>	<u>INFORMATION</u>
COSTS	
Estimate Project Cost (2013)	\$101M-\$123M
Estimated Project Cost (2019)	\$121M-\$148M
Estimated Project Cost (2017 start – 2019 midpoint)	\$133.8M
PHASING/SCHEDULE	
Base Constr. Duration	3.25 yrs (39 months)
Proj Duration incl Phasing	4.7 yrs (56 months)
TEMPORARY SPACE	
Are temp CRs required?	Yes, 25-30 potential
OTHER ISSUES	
Circulation/Campus disruption during const issues	High
Potential for schedule creep	High
Is remediation of the roof deck required	Yes
Will building services be interrupted	Yes

OPTION 3 – New Construction – Leamy Ave Scheme

Under the New Construction – Leamy Ave Scheme concept, the goal would be to build a new building on the corner of Leamy Avenue and South Rolling Road and when that building is complete, demolish the existing high school and restore the site with a new parking lot and playing fields. This concept provides for; the construction of a new high school, demolition of the existing high school, new track and field with additional lanes, additional parking and site improvements.



<u>CATEGORY</u>	<u>INFORMATION</u>
COSTS	
Estimate Project Cost (2013)	\$103M-\$125M
Estimated Project Cost (2019)	\$123M-\$150M
Estimated Project Cost (2017 start – 2019 midpoint)	\$136.4M
PHASING/SCHEDULE	
Base Constr. Duration	3.25 yrs (39 months)
Proj Duration incl Phasing	5 yrs (60 months)
TEMPORARY SPACE	
Are temp CRs required?	No
OTHER ISSUES	
Circulation/Campus disruption during const issues	Medium
Potential for schedule creep	Medium
Is remediation of the roof deck required	As part of demolition
Will building services be interrupted relocations	Through service

OPTION 4 – New Construction – Saxer Ave Scheme

Under the New Construction – Saxer Ave Scheme concept, the goal would be to build a new building on the eastern side of the site against Rolling Road and when that building is complete, to demolish the existing high school and restore the site to a new parking lot and playing fields. This concept provides for; the construction of a new high school, demolition of the existing high school, new track and field with additional lanes, additional parking and site improvements.

<u>CATEGORY</u>	<u>INFORMATION</u>
COSTS	
Estimate Project Cost (2013)	\$99M-\$121M
Estimated Project Cost (2019)	\$118M-\$144M
Estimated Project Cost (2017 start – 2019 midpoint)	\$131M
PHASING/SCHEDULE	
Base Constr. Duration	1.75 yrs (21 months)
Proj Duration incl Phasing	3 yrs (36 months)
TEMPORARY SPACE	
Are temp CRs required?	No
OTHER ISSUES	
Circulation/Campus disruption during const issues	Low
Potential for schedule creep	Low
Is remediation of the roof deck required	As part of demolition
Will building services be interrupted	No



It should be noted that the Town Hall Meeting PowerPoint presentations provide a wealth of knowledge about the various analysis performed to support the decisions. The Town Hall meetings as well as the video of each meeting are available on the Springfield School District website.

SELECTED OPTION

Following the completion of the Town Hall Meetings the Board of Directors elected to develop an RFP to select architects. Following a thorough proposal and interview process, SCHRADERGROUP in Association with Perkins + Will was hired to continue the process in fall of 2015. The initial phases of this team's involvement included the continued analysis of the site for a new high school based on the New Construction models developed during the Town Hall meetings previously described.

One of the major considerations for SSD was the environmental remediation issues related to the roof work on the existing high school. This issue combined with the phasing required to remove portions of the roof and roof substrate in its entirety was the first of many issues that moved SSD to consider building a new facility in lieu of renovating and adding to the existing facility. The roof remediation, combined with the phasing, staging and duration of construction which the students and faculty would need to endure ultimately resulted in a decision to construct a new high school. Further, the cost differential between additions and renovations verse new construction were not substantial enough to cause that to become the deciding factor.

Once the decision was made to build a new facility, the positioning of that new facility on the site was the next of the challenges. While being sensitive to neighbors in the ultimate placement was a key consideration, the staging of construction to allow for the existing facility to continue to operate while construction ensued helped establish the location of the new facility towards the eastern edge of the site. The construction of a new stadium in a limited timeframe to reduce the impact on SSD District sports also helped the team to complete the master planning of the site with the new facility to the east on the site, with the new stadium towards the center allowing the existing facility to remain mostly intact while the construction process occurred.

As a result of the continued analysis, the design team settled on a version of the new construction most closely related to the Saxer Avenue version presented in the Town Hall Meetings. The development of a building closer to the eastern edge of the site is the plan presented as part of this Act 34 Hearing.



PART V

Project Description

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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 Springfield High School and Grounds building; preparation of site for new work including on-site storm infiltration system, new parking lots, a football stadium, 6 tennis courts and 4 additional playing fields; construction of a one-story District maintenance building; construction of a new bus maintenance building and bus parking area (alternate); and construction of a 3-story school with a District administration suite as described below and in the attached drawings. The final building area is as follows:

<u>Total Proposed Building Area</u>	
First Floor:	108,481 SF
Second Floor:	79,260 SF
Third Floor:	51,121 SF
<hr/>	
Subtotal:	238,862 SF
District Maintenance:	10,268 SF
Total	249,130 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 NEW HIGH SCHOOL: Site Amenities

The proposed new high school has a dedicated bus drop off in the north parking lot adjacent to the building and a separate dedicated loop through the west parking lot for parent drop-off and pick-up with sufficient length to queue cars on site, which is accessed from Leamy Avenue; and parking on site for 400 vehicles. The athletic facilities include a football stadium and track, 6 tennis courts, and 4 multi-sport playing fields.



PROPOSED NEW HIGH SCHOOL: Building Amenities

The proposed new high school will be built on District-owned land currently occupied by the existing Springfield High School. The new school will have a functional capacity of 1,500 students to house the entire School District 9-12 High School population.

The proposed school will be three stories with shared use amenities located on the first floor. The main lobby is situated on Rolling Road. A central courtyard features just to the north of this area with double-loaded corridors situated around it to provide natural light to all classrooms. The Auditorium, Music and Drama wing is immediately adjacent to the Main Lobby on the east side of the building. The Cafeteria and Media Center are set to the north of the courtyard with the Athletic wing with Gymnasium, Auxiliary Gym, Locker Rooms, Fitness room and Weight Room to the extreme north of the building. The shared use facilities include the Gymnasium, Auxiliary Gym, Auditorium, Cafeteria, and Media Center.

EDUCATIONAL SPECIFICATIONS

Coupled with best practices regarding high school education, SSDHS faculty, students, and families believe that High School students benefit greatly from the opportunity to engage in developmentally appropriate learning that supports the whole student. Further, Springfield High School supports a College and Career Academy program.

EXISTING FACILITY

Site and Facility (Status)

Springfield High School has served the Springfield School District for years. The school consists of a series of additions constructed over different eras with parking lots available on several sides of the site and along Leamy Avenue. The site on which Springfield High School is located is a 25-acre tract that includes playing fields, the current high school, a stadium, a maintenance building and several parking lots. Parent drop off occurs directly off of Leamy Avenue meaning that parent queuing occurs in a public right of way. This site is located in Springfield proper and is within blocks of the Middle School and the Springfield Literacy Center.

In addition to the primary function of this building as a High School, indoor and outdoor facilities at SSDHS are used throughout the year by community groups. Most often utilized are the gymnasiums, auditorium and playing fields.

While the existing building continues to be functionable, it is far from optimal for meeting contemporary educational needs for a High School. Significant ADA compliance issues exist in the building and any attempt to provide a major overhaul to the building will result in a major environmental project due to a roof laden with environmental issues.



PROPOSED FACILITY

Academic Programming

The enrollment at Springfield High School in October 2017 was approximately 1195 students. Enrollment projections for the next ten years indicate steady to slight increases in enrollment. The grade configuration has been maintained since the Building was built. The academic program is built around a Career and College Academy model that emphasizes the individual learning style and features a variety of special area classes including Science, Technology, Art, Music, Physical Education, Family and Consumer Science, and Technology Education.

The recent infusion of technology has reduced the reliance on standalone computer labs, so the district is moving toward replacing such labs with technology spaces that will better align with a project based learning and career model. Classrooms will feature interactive projectors that permit the teacher to be mobile throughout the classroom and no longer tethered to a computer station in the front of the room. As educational technology continues to evolve the district will be prepared to adapt our physical spaces to accommodate these improvements.

As the District moves forward in emphasizing collaborative practice among our educators, there is an increased need for dedicated space for teachers to meet during common planning time. The need for space for our school counselors to work with students, individually and in groups, has grown. There is an increased need for flexible meeting space to accommodate administrative functions, and meetings with parents.

In sum, the Springfield High School facility as it currently exists does not support the way that we now teach. Additionally, the deficiencies in accessibility as provided through the Americans with Disabilities Act coupled with environmental concerns during any large-scale renovation are extensive and will be costly to renovate.

Preferred Educational Space Utilization

The improved High School facility should be adaptable for educational and community uses and the emergence of technological advancements. The concept of teaming of core academic programs involves placing their learning spaces in close proximity to make learning integrated, flexible, rigorous and relevant, leading to development of the essential skills of critical thinking, communication, collaboration, and creativity.

High School level teachers, content coordinators, and curriculum specialists have invested time and energy in the development of a curriculum that aligns with the Pennsylvania Core Academic Standards and problem-based learning while supporting the Career and College Academy program. This building project, with a focus on the educational specifications necessary to deliver this curriculum, will incorporate changes to the building that will enable our instructional staff to deliver more meaningful and effective instruction, and to maximize instructional space for each dollar invested. Through the integration of technology and comprehensive student services the building design will foster instructional teaming, problem and project based learning with a strong emphasis on our high school students' developmental needs, the broad range of learning styles, and varied ability levels.



This project includes areas dedicated to the arts, technology and STEM education, gymnasiums, an auditorium and commons/dining space designed to accommodate current and projected enrollment. Safety and security will be addressed through secured entry into the building, modern security devices and cameras. Adequate parking for faculty and visitors will be provided in addition to a separate and safe drop-off area for students who arrive and depart by bus and those who arrive and depart by car.

The building will incorporate energy efficient construction, and all lighting, HVAC, electrical systems, plumbing, data and fire alarm systems will utilize the latest in technologies and design schemes. The building exterior will fit into the neighboring community and be constructed of durable materials requiring minimal maintenance.

The facilities are being designed to meet the current and future needs of our high school students and will be adaptable for educational and community uses. To encourage and support healthful living and sound physical fitness, ample space will be provided for adequate physical education and athletic facilities to encourage the engagement of our students and community members.

The instructional spaces will be spacious, proportional in size and shape, and designed to facilitate movement of students, furniture and equipment. Each room will have display areas and ample storage. Included in the content specific classroom space will be specialty rooms for special education, art, music, science and large group instruction spaces.

Interior Design

The building must provide a safe and secure environment that is designed to support a large number of diverse activities for students in the high school setting. The corridors should be well lighted and security devices should be installed in entry ways and as needed throughout the building. Public gathering areas and foyers should have ample display cases that enable the presentation of student-generated work along with awards and recognitions of student achievement.

The administrative offices, attendance and security offices, guidance offices and the health suite should be located in proximity to the majors entrance points to facilitate access by students, faculty, and the public. The cafeteria, gymnasium, auditorium, and media center should be located to provide easy access from the classroom spaces, yet sufficiently removed to reduce noise and other distractions that might impede learning.

The materials used throughout the building should be durable and easy to maintain.

Building Organization

The building is a continuous circuit arranged around an interior courtyard to further enhance learning in both an interior and exterior setting. A two-story Commons Space is provided in the middle of the building connecting the exterior athletic areas with the interior academic and courtyard spaces.

The facility is organized by floor. The ground floor is designed to support both the community use as well as the arts. The front of the facility supports the music and drama programs while one side off the ground floor supports the visual arts. The back of the facility supports all athletics and promotes



the connection with the playing fields outside. The second floor supports general academics and the third floor supports both the general academics as well as the sciences.

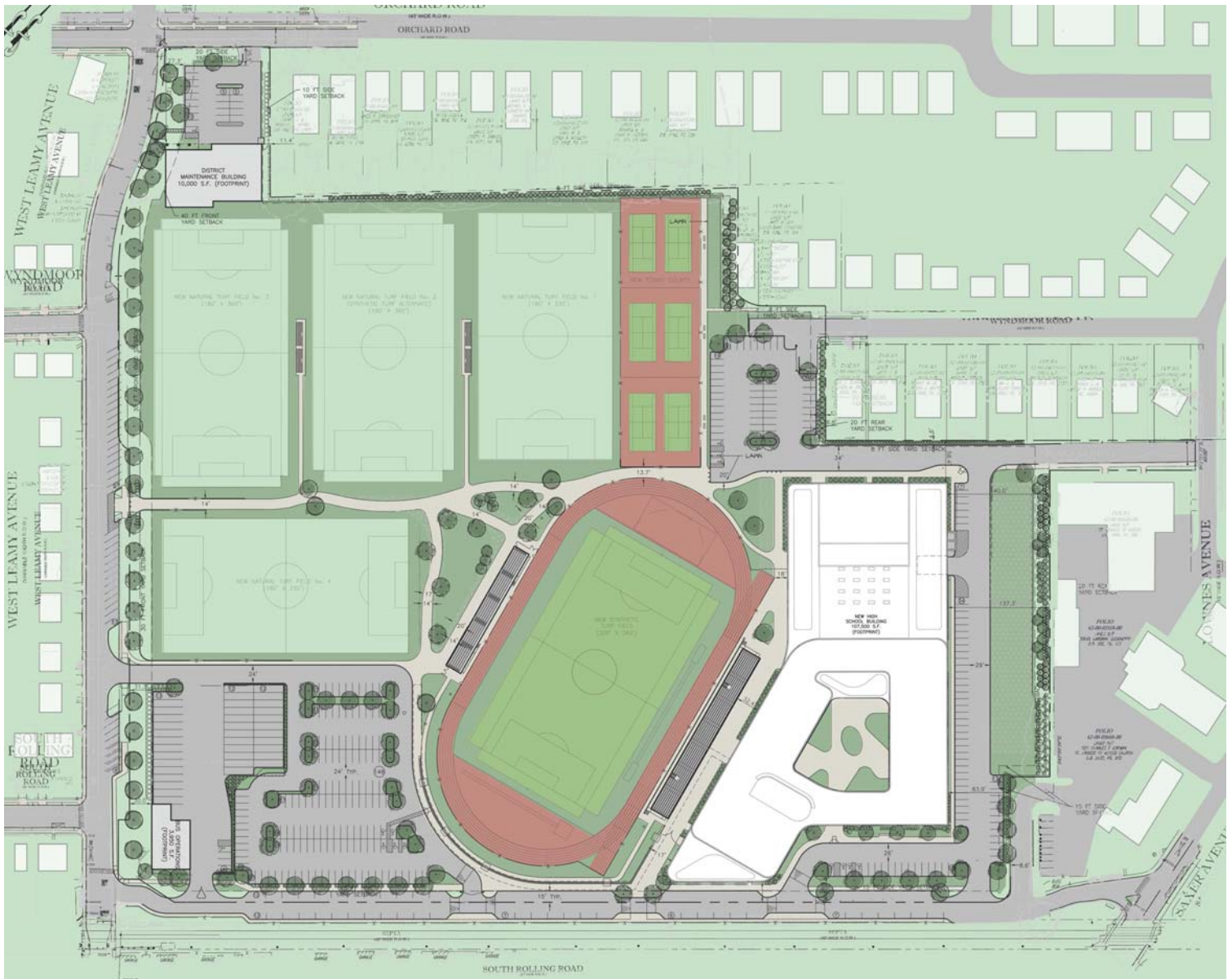
Proposed Site

The proposed site engages with Leamy Avenue on the west side by providing playing fields and parking. Further, access through the center of the site is provided through a Town Green concept. The center of the site features the stadium and the tennis courts and the northernmost portion of the site in that location provides for parking and bus drop off. The easternmost portion of the site provides for a visitor parking area as well as staff parking along the easternmost edge with a “green” space and berm/buffer against the neighboring property.











BUILDING PLANS AND IMAGES

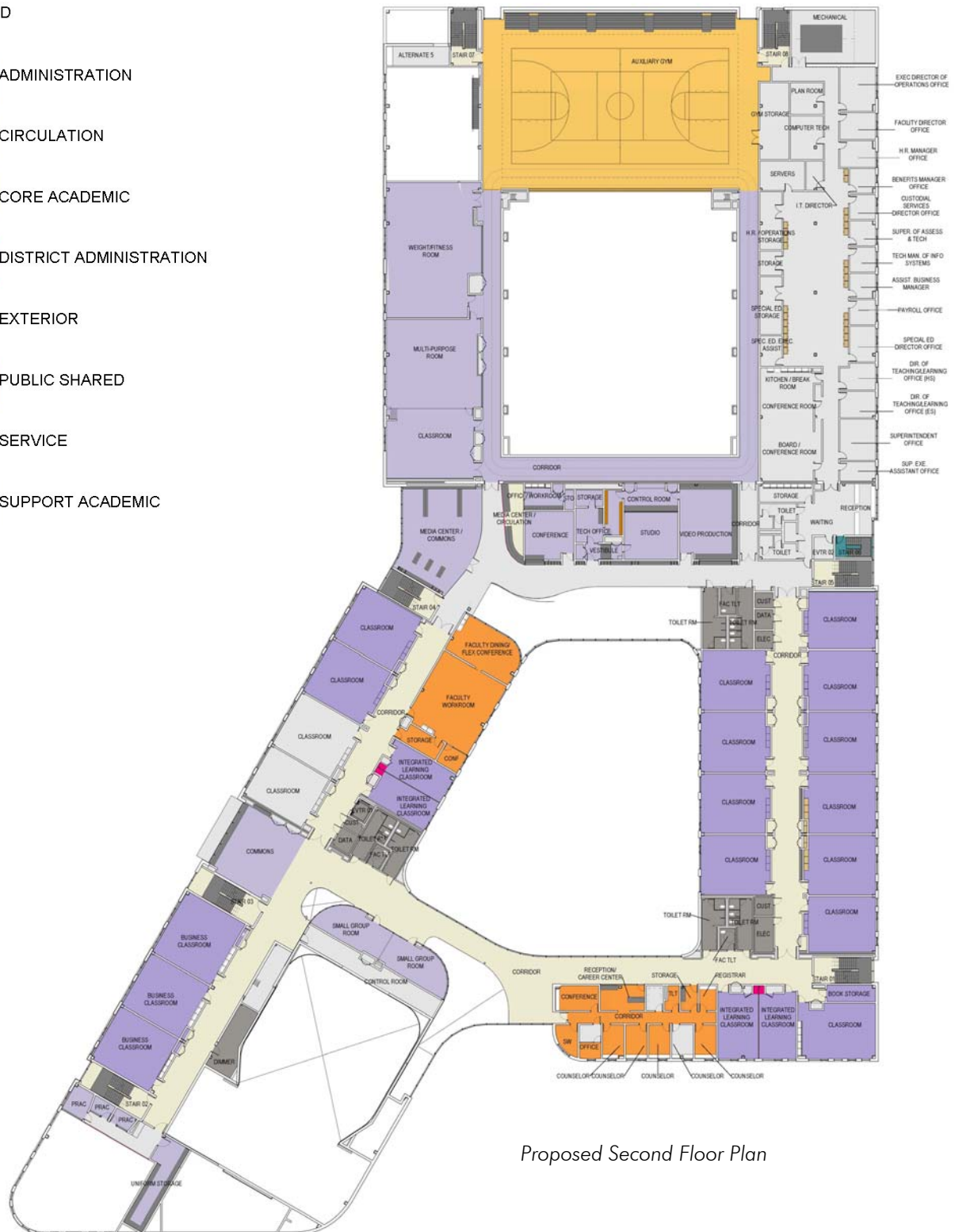
The project site plans, floor plans and renderings follow:



Proposed Site Plan

LEGEND

	ADMINISTRATION
	CIRCULATION
	CORE ACADEMIC
	DISTRICT ADMINISTRATIVE
	EXTERIOR
	PUBLIC SHARED
	SERVICE
	SUPPORT ACADEMIC

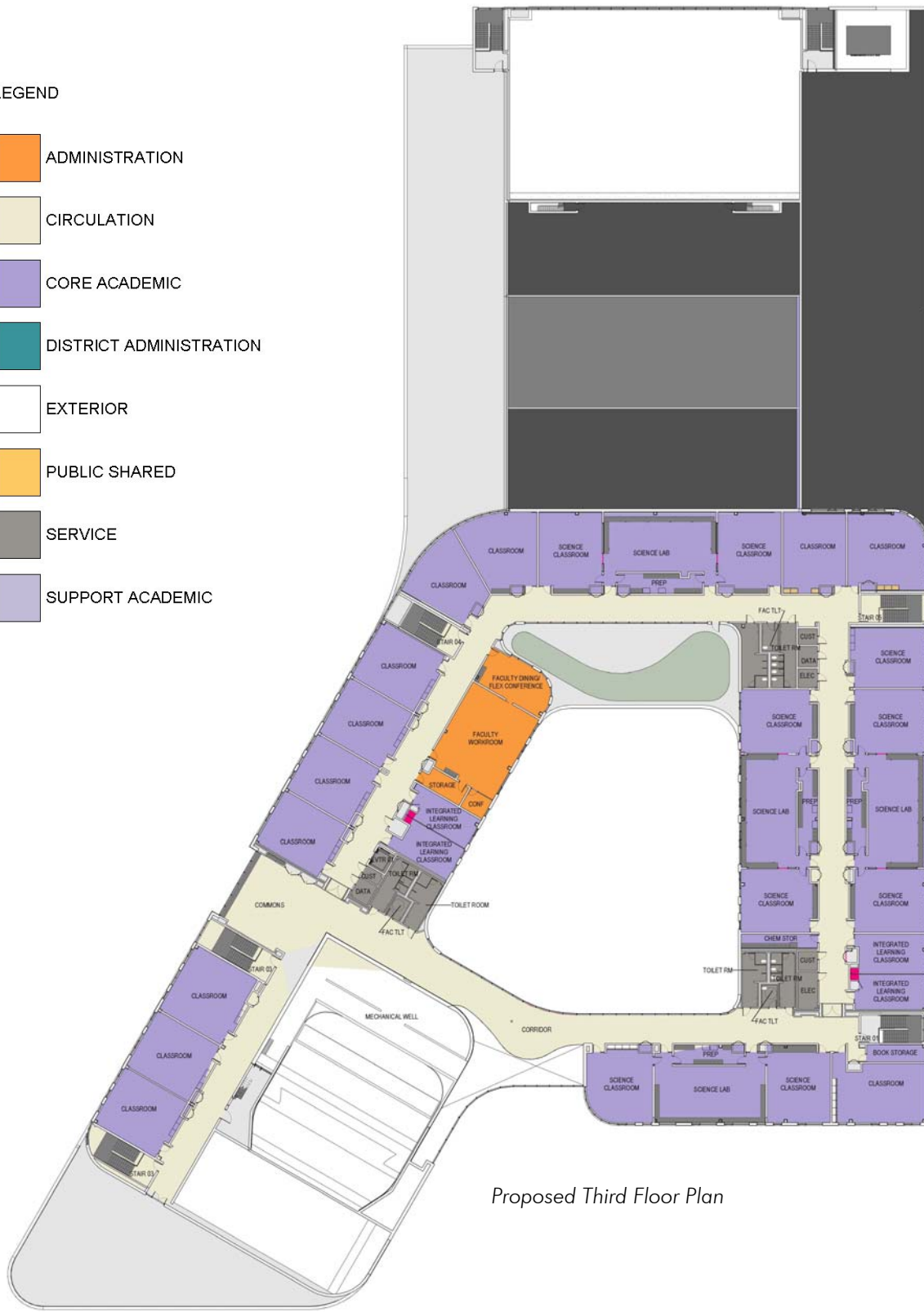


Proposed Second Floor Plan



LEGEND

- ADMINISTRATION
- CIRCULATION
- CORE ACADEMIC
- DISTRICT ADMINISTRATION
- EXTERIOR
- PUBLIC SHARED
- SERVICE
- SUPPORT ACADEMIC



Proposed Third Floor Plan



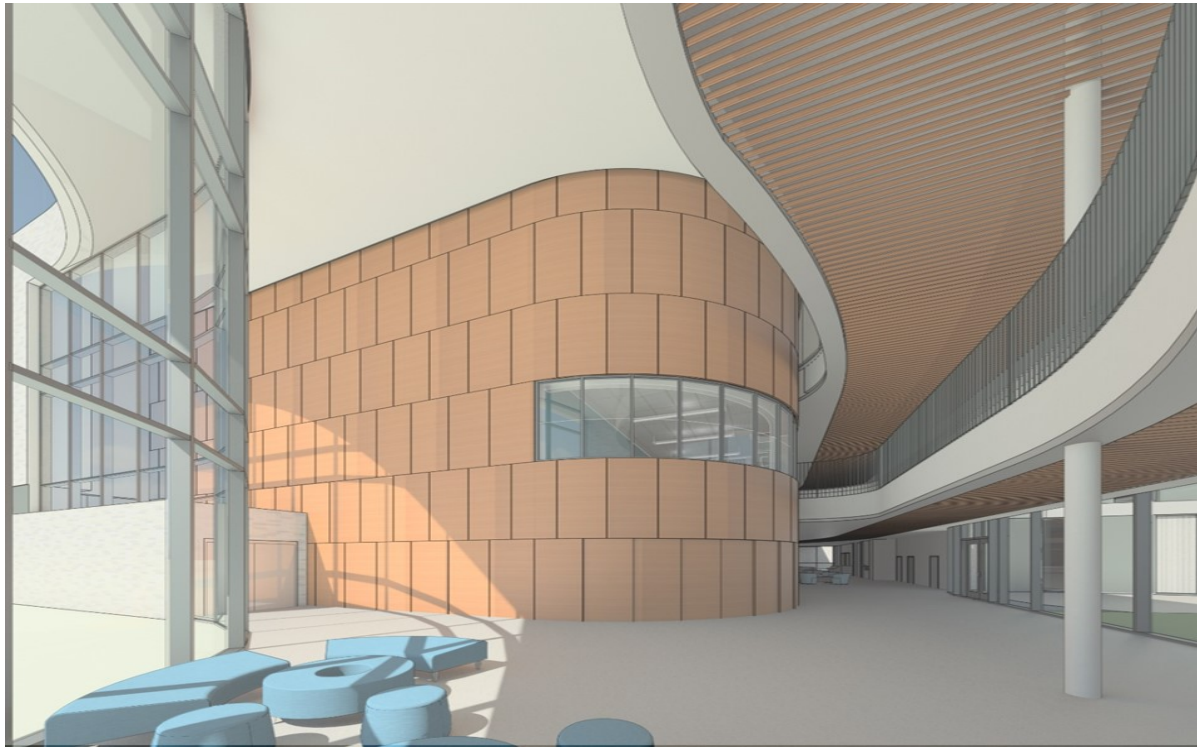
Aerial Perspective View



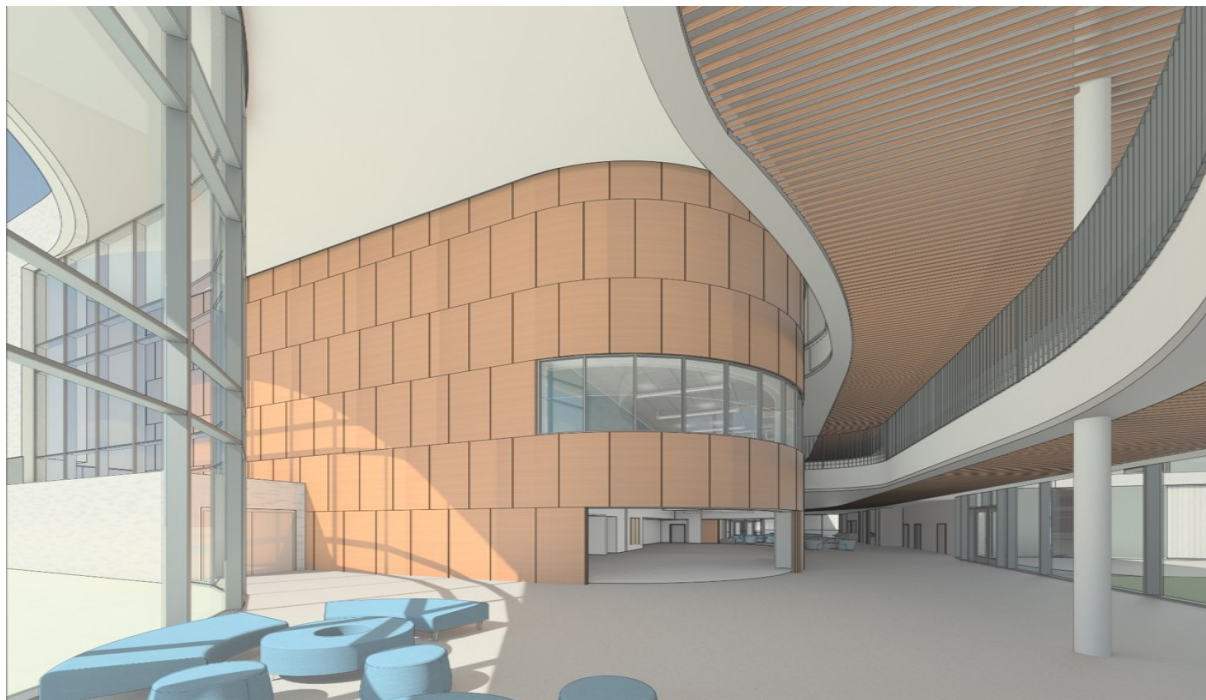
Exterior Perspective View



Exterior Perspective View



Interior Perspective View - Lobby



Interior Perspective View – Lobby, Doors Open



Interior Perspective View – Dining Commons



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.



MIDDLE/SECONDARY ROOM SCHEDULE FOR PROJECT BUILDING (1 OF 3)												
District/CTC: Springfield School District					Project Name: Springfield High School					Grades: 9 - 12		
		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	
LIBRARY	XXX				XXXX	2,015	1.0	2,015	XXXX	2,015	XXXXX	
REG CLSRM 660+ SQ FT	25					660	1.0	660	25	660	25	
REG CLSRM 660+ SQ FT	25					700	1.0	700	25	700	25	
REG CLSRM 660+ SQ FT	25					720	2.0	1,440	50	1,440	50	
REG CLSRM 660+ SQ FT	25					730	3.0	2,190	75	2,190	75	
REG CLSRM 660+ SQ FT	25					735	3.0	2,205	75	2,205	75	
REG CLSRM 660+ SQ FT	25					765	5.0	3,825	125	3,825	125	
REG CLSRM 660+ SQ FT	25					785	7.0	5,495	175	5,495	175	
REG CLSRM 660+ SQ FT	25					790	10.0	7,900	250	7,900	250	
REG CLSRM 660+ SQ FT	25					795	3.0	2,385	75	2,385	75	
REG CLSRM 660+ SQ FT	25					805	1.0	805	25	805	25	
REG CLSRM 660+ SQ FT	25					815	4.0	3,260	100	3,260	100	
REG CLSRM 660+ SQ FT	25					885	1.0	885	25	885	25	
REG CLSRM 660+ SQ FT	25					910	1.0	910	25	910	25	
REG CLSRM 660+ SQ FT	25					920	1.0	920	25	920	25	
REG CLSRM 660+ SQ FT	25					960	1.0	960	25	960	25	
REG CLSRM 660+ SQ FT	25					1,140	1.0	1,140	25	1,140	25	
SPECIAL ED ROOMS	XXX	SEE PAGE A18				SEE PAGE A18				XXXXXX	XXXXX	
SMALL GROUP <850 SQ FT	XXX				XXXX	640	1.0	640	XXXX	640	XXXXX	
SMALL GROUP <850 SQ FT	XXX				XXXX	590	1.0	590	XXXX	590	XXXXX	
LARGE GROUP INS 850+ SQ FT	XXX				XXXX	985	2.0	1,970	XXXX	1,970	XXXXX	
AUDITORIUM TO SEAT 545	XXX XXX				XXXX XXXX	4,575	1.0	4,575	XXXX	4,575	XXXXX XXXXX	
STAGE	XXX				XXXX	2,785	1.0	2,785	XXXX	2,785	XXXXX	
SCIENCE CLSRM 660+ SQ FT	25					780	3.0	2,340	75	2,340	75	
SCIENCE CLSRM 660+ SQ FT	25					800	4.0	3,200	100	3,200	100	
SCIENCE LAB: _____	20					1,125	2.0	2,250	40	2,250	40	
SCIENCE LAB: _____	20					1,155	1.0	1,155	20	1,155	20	
SCIENCE LAB: _____	20					1,190	1.0	1,190	20	1,190	20	
SCIENCE LAB: _____	20											
SCIENCE STUDENT PROJ RM	XXX				XXXX				XXXX		XXXXX	
PLANETARIUM CLSRM 660+ SQ FT	20											
OBSERVATORY	XXX				XXXX				XXXX		XXXXX	
ALTERNATIVE ED ROOM 660+ SQ FT	20											
OTHER: <u>Small Group Instruction</u>						550	5.0	2,750		2,750		
OTHER: <u>Small Group Instruction</u>						365	1.0	365		365		
OTHER: _____												
OTHER: <u>Science Classroom</u>	25					845	2.0	1,690	50	1,690	50	
OTHER: _____												
OTHER: _____												
OTHER: _____												
PAGE A13 SUBTOTAL	XXX	XXXXX	XXXXX			XXXXX	XXXXX	63,195	1,430	63,195	1,430	

REVISED JULY 1, 2010

FORM EXPIRES 6-30-12

PLANCON-A13



MIDDLE/SECONDARY ROOM SCHEDULE FOR PROJECT BUILDING (2 OF 3)											
District/CTC: Springfield School District						Project Name: Springfield High School				Grades: 9 - 12	
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
BUSINESS CLSRM 660+ SQ FT	25					790	2.0	1,580	50	1,580	50
BUSINESS CLSRM 660+ SQ FT	25					925	1.0	925	25	925	25
BUSINESS LAB 660+ SQ FT	20										
BUSINESS LAB 660+ SQ FT	20										
BUSINESS LAB 660+ SQ FT	20										
COMPUTER LAB 660+ SQ FT	20					1,110	1.0	1,110	20	1,110	20
COMPUTER LAB 660+ SQ FT	20					1,075	1.0	1,075	20	1,075	20
COMPUTER LAB 660+ SQ FT	20					810	1.0	810	20	810	20
TV INSTRUCTIONAL STUDIO 660+ SQ FT	20					735	1.0	735	20	735	20
OTHER: _____											
OTHER: _____											
ART CLASSROOM 660+ SQ FT	20					1,085	3.0	3,255	60	3,255	60
ART CLASSROOM 660+ SQ FT	20					1,115	1.0	1,115	20	1,115	20
MUSIC CLASSROOM 660+ SQ FT	25					815	1.0	815	25	815	25
MUSIC CLASSROOM 660+ SQ FT	25										
BAND ROOM 660+ SQ FT	25					2,365	1.0	2,365	25	2,365	25
ORCHESTRA ROOM 660+ SQ FT	25										
CHORAL ROOM 660+ SQ FT	25					1,320	1.0	1,320	25	1,320	25
OTHER: _____											
OTHER: _____											
FAMILY/CONSMR SCIENCE 660+ SQ FT	20					1,025	1.0	1,025	20	1,025	20
FAMILY/CONSMR SCIENCE 660+ SQ FT	20					1,045	1.0	1,045	20	1,045	20
FAMILY/CONSMR SCIENCE 660+ SQ FT	20										
IA/SHOP 1800+ SQ FT	20					2,550	1.0	2,550	20	2,550	20
IA/SHOP 1800+ SQ FT	20										
TECH ED 1800+ SQ FT	20										
TECH ED 1800+ SQ FT	20										
TECH ED 1800+ SQ FT	20										
TECH ED 1800+ SQ FT	20										
IA/SHOP <1800 SQ FT	XXX				XXXX				XXXX		XXXXX
TECH ED <1800 SQ FT	XXX				XXXX	790	1.0	790	XXX	790	XXXXX
VO AG SHOP W/CLSRM 660+ SQ FT	20										
DRIVER'S ED 660+ SQ FT	20										
OTHER: _____											
OTHER: _____											
OTHER: _____											
OTHER: _____											
OTHER: _____											
OTHER: _____											
OTHER: _____											
OTHER: _____											
PAGE A14 SUBTOTAL	XXX	XXXXX	XXXXX			XXXXX	XXXXX	20,515	370	20,515	370



MIDDLE/SECONDARY ROOM SCHEDULE FOR PROJECT BUILDING (3 OF 3)											
District/CTC: Springfield School District				Project Name: Springfield High School				Grades: 9 - 12			
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
GYM 6500+ SQ FT	66					6,500	1.0	6,500	66	6,500	66
GYM 6500+ SQ FT	66					9,205	1.0	9,205	66	9,205	66
2500 SQ FT AUX GYM	33					5,100	1.0	5,100	33	5,100	33
1000 SQ FT ADAPT GYM	XXX				XXXX				XXXX		XXXXXX
WRESTLING ROOM	XXX				XXXX	1,600	1.0	1,600	XXXX	1,600	XXXXXX
WEIGHT ROOM	XXX				XXXX	2,235	1.0	2,235	XXXX	2,235	XXXXXX
LOCKER ROOM, DRYING & SHOWER RM - BOYS	XXX				XXXX	1,150	1.0	1,150	XXXX	1,150	XXXXXX
LOCKER ROOM, DRYING & SHOWER RM - GIRLS	XXX				XXXX	1,150	1.0	1,150	XXXX	1,150	XXXXXX
TEAM ROOM	XXX				XXXX	565	2.0	1,130	XXXX	1,130	XXXXXX
TEAM ROOM	XXX				XXXX	365	1.0	365	XXXX	365	XXXXXX
INSTRUCTOR'S OFFICE	XXX				XXXX	210	1.0	210	XXXX	210	XXXXXX
INSTRUCTOR'S OFFICE	XXX				XXXX	100	2.0	200	XXXX	200	XXXXXX
OTHER: Training Room						590	1.0	590		590	
OTHER: Team Room						1,655	1.0	1,655		1,655	
OTHER: Team Room						640	2.0	1,280		1,280	
OTHER: Team Room						320	1.0	320		320	
NATATORIUM	XXX	SEE PAGE A19				SEE PAGE A19				XXXX	XXXXXX
KITCHEN & STORAGE # OF SERVINGS: 3 MEALS PREPARED PER SERVING: 500	XXX XXX XXX				XXXX	5,630	1.0	5,630	XXXX XXXX XXXX	5,630	XXXXXX XXXXXX XXXXXX
CATERIA TO SEAT: 500	XXX XXX				XXXX	5,950	1.0	5,950	XXXX XXXX	5,950	XXXXXX XXXXXX
FACULTY DINING ROOM	XXX				XXXX	540	2.0	1,080	XXXX	1,080	XXXXXX
FACULTY ROOM	XXX				XXXX				XXXX		XXXXXX
INSTR PLANNING CTR	XXX				XXXX	1,190	1.0	1,190	XXXX	1,190	XXXXXX
INSTR PLANNING CTR	XXX				XXXX	1,075	1.0	1,075	XXXX	1,075	XXXXXX
CONFERENCE ROOM	XXX				XXXX	425	1.0	425	XXXX	425	XXXXXX
STUDENT ACTIVITY RM	XXX				XXXX				XXXX		XXXXXX
HEALTH SUITE(NURSE)	XXX				XXXX				XXXX		XXXXXX
BLDG ADMIN/GUIDANCE TOTAL STAFF:	XXX XXX				XXXX	4,300	1.0	4,300	XXXX XXXX	4,300	XXXXXX XXXXXX
OTHER: Office						225	1.0	225		225	
OTHER: Office						180	1.0	180		180	
OTHER: Coach Office						135	1.0	135		135	
OTHER:											
OTHER:											
OTHER:											
PAGE A15 SUBTOTAL	XXX	XXXX	XXXX			XXXX	XXXX	52,880	165	52,880	165
PAGE A13 SUBTOTAL	XXX	XXXX	XXXX			XXXX	XXXX	63,195	1,430	63,195	1,430
PAGE A14 SUBTOTAL	XXX	XXXX	XXXX			XXXX	XXXX	20,515	370	20,515	370
BUILDING TOTAL	XXX	XXXX	XXXX			XXXX	XXXX	136,590	1,965	136,590	1,965
MS/SEC UTILIZATION (BLDG TOTAL TIMES .9)	XXX	XXXX	XXXX	XXXX		XXXX	XXXX	XXXX	1,769	XXXXXX	1,769

REVISED JULY 1, 2010

FORM EXPIRES 6-30-12

PLANCON-A15



CENTRAL DISTRICT ADMINISTRATION OFFICE			
District/CTC: Springfield School District	Project Name: Springfield High School	Grades: <u>9</u> - <u>12</u>	
<p>If this project building includes office space for central district administration, provide the position for each staff member who will be working in this office space. For vacant or new positions, indicate prospective employment date. Attach additional sheets if necessary.</p>			
<p><u>POSITION</u> (If vacant or new, indicate date to be filled)</p> <ol style="list-style-type: none"> 1. Superintendent 2. Super, Exec Assistant 3. Reception 4. Director Teaching/ Learning ES 5. Director Teaching/ Learning HS 6. Special Ed Director 7. Super of Assess & Tech 8. Tech Manager Info Systems 9. Assistant Business Manager 10. Exec Director of Operations 11. Facility Director 12. HR Manager 13. Benefits Manager 14. Custodial Services Director 15. Payroll Office 16. IT Director 17. Computer Tech 18. computer Tech 19. Computer Tech 20. Ops Exec Assist 21. Facility Assist 22. Accounts Payable 23. Accounting 24. Tech Assistant - Info Systems 25. Special Ed Assistant 26. Special Ed Assistant 27. DOTL Admin Assist 28. Teacher on Assign 29. Teacher on Assign 30. Community Development 31. SAEF Foundation 32. Registration 33. HR Exec Assist 34. Spec Ed Supervisor 35. 36. 37. 38. 39. 40. 	<p><u>POSITION</u> (If vacant or new, indicate date to be filled)</p> <ol style="list-style-type: none"> 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 		
DISTRICT ADMINISTRATION STAFFING CONVERTED TO FULL TIME EQUIVALENTS			
A. TOTAL NUMBER OF STAFF LISTED	34	X 1.2 =	41 FTE CAP
B. NUMBER OF STAFF TO BE HOUSED IN NEW AREA	34	X 1.2 =	41 FTE CAP
C. NUMBER OF STAFF TO BE HOUSED IN EXISTING AREA (A minus B)		X 1.2 =	FTE CAP

REVISED JULY 1, 2010

FORM EXPIRES 6-30-12

PLANCON-A16



ROOM SCHEDULE ADJUSTMENTS											
District/CTC: Springfield School District				Project Name: Springfield High School				Grades: 9 - 12			
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	XXXXX	XXXXX	XXXXX	XXXX	XXXXX	XXXXX	XXXXX	XXXX	XXXXXX	XXXXXX
PROJECT ELEM CAP	XXX	XXXXX	XXXXX			XXXXX	XXXXX				
KINDERGARTEN DEDUCT FOR HALF-TIME PRGM	-25	XXXXX		XXXXX		XXXXX		XXXXX		XXXXXXX	
ADJUSTED ELEM CAP	XXX	XXXXX	XXXXX	XXXXX		XXXXX	XXXXX	XXXXX		XXXXXXX	
ENR/CAP ADJ FACTOR	XXX	XXXXX	XXXXX	XXXXX	0.8440	XXXXX	XXXXX	XXXXX	0.8440	XXXXXXX	0.8440
JUSTIFIED ELEM	XXX	XXXXX	XXXXX	XXXXX		XXXXX	XXXXX	XXXXX		XXXXXXX	
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 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 ELEMENTARY	XXX	XXXXX	XXXXX			XXXXX	XXXXX				
MIDDLE/SECONDARY	XXX	XXXXX	XXXXX	XXXXX	XXXX	XXXXX	XXXXX	XXXXX	XXXX	XXXXXX	XXXXXX
PROJECT MS/SEC UTIL	XXX	XXXXX	XXXXX			XXXXX	XXXXX	136,590	1,769	136,590	1,769
ENR/CAP ADJ FACTOR	XXX	XXXXX	XXXXX	XXXXX	0.8440	XXXXX	XXXXX	XXXXX	0.8440	XXXXXXX	0.8440
JUSTIFIED MS/SEC	XXX	XXXXX	XXXXX	XXXXX		XXXXX	XXXXX	XXXXX	1,493	XXXXXXX	1,493
SP ED 660+ SQ FT	25					755	1.0	755	25	755	25
SP ED 660+ SQ FT	25					1,160	1.0	1,160	25	1,160	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	XXXXX	XXXXX			XXXXX	XXXXX	138,505	1,543	138,505	1,543

* 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.

REVISED JULY 1, 2010

FORM EXPIRES 6-30-12

PLANCON-A18



PROJECT FULL TIME EQUIVALENTS											
District/CTC: Springfield School District				Project Name: Springfield High School						Grades: 9 - 12	
		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				
ADJUSTED MS/SEC	XXX	XXXXX	XXXX			XXXXX	XXXX	138,505	1,543	138,505	1,543
NATATORIUM *		XXXXX	XXXX			XXXX	XXXX				
NATATORIUM LOCKER					XXXXX				XXXXX		XXXXXX
ROOM, DRYING & SHOWER RM - BOYS	XXX	XXXXX	XXXX		XXXXX	XXXX	XXXX		XXXXX		XXXXXX
	XXX	XXXXX	XXXX		XXXXX	XXXX	XXXX		XXXXX		XXXXXX
NATATORIUM LOCKER					XXXXX				XXXXX		XXXXXX
ROOM, DRYING & SHOWER RM - GIRLS	XXX	XXXXX	XXXX		XXXXX	XXXX	XXXX		XXXXX		XXXXXX
	XXX	XXXXX	XXXX		XXXXX	XXXX	XXXX		XXXXX		XXXXXX
DIST ADMIN OFFICE	XXX	XXXXX	XXXX			XXXX	XXXX	10,585	41	10,585	41
VOCATIONAL	XXX	XXXXX	XXXX			XXXX	XXXX				
PRJT BUILDING TOTAL	XXX	XXXXX	XXXX		XXXXX	XXXX	XXXX	149,090	XXXXX	149,090	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/CTC: Springfield School District	Project Name: Springfield High School	Project #:	
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.)	74,918,451		74,918,451
2. Heating and Ventilating	9,191,370		9,191,370
3. Plumbing (Report costs for sanitary sewage disposal on line E-1.)	3,434,324		3,434,324
4. Electrical	8,494,735		8,494,735
5. Asbestos Abatement (D04, line C-3)	X X X X X X		
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	96,038,880		96,038,880
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)	198,290		198,290
c. Construction Insurance - Total	198,290		198,290
9. TOTAL-Structure Costs (A-1 to A-7-Subtotal plus A-8-c)	96,237,170		96,237,170
B. ARCHITECT'S FEE			
1. Architect's/Engineer's Fee on Structure	6,412,049		6,412,049
2. EPA-Certified Project Designer's Fee on Asbestos Abatement	X X X X X X X X X X X X		
3. TOTAL - Architect's Fee	6,412,049		6,412,049
C. MOVABLE FIXTURES AND EQUIPMENT			
1. Movable Fixtures and Equipment	2,461,322		2,461,322
2. Architect's Fee	120,000		120,000
3. TOTAL - Movable Fixtures & Equipment	2,581,322		2,581,322
D. STRUCTURE COSTS, ARCHITECT'S FEE, MOVABLE FIXTURES & EQUIPMENT - TOTAL (A-9 plus B-3 and C-3)	105,230,541		105,230,541
E. SITE COSTS			
1. Sanitary Sewage Disposal			
2. Sanitary Sewage Disposal Tap-In Fee and/or Capacity Charges			
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			
a. Gross Amount Due from Settlement Statement or Estimated Just Compensation	18,000	X X X X X X X X X X X X X X X X X X	18,000
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	18,000	X X X X X X	18,000
6. TOTAL - Site Costs	18,000		18,000
F. STRUCTURE COSTS, ARCHITECT'S FEE, MOVABLE FIXTURES & EQUIPMENT, AND SITE COSTS - TOTAL (D plus E-6)	105,248,541		105,248,541
* Type "No Fee" beside each item for which no design fee is charged.			

REVISED JULY 1, 2010

FORM EXPIRES 6-30-12

PLANCON-D02



PROJECT ACCOUNTING BASED ON ESTIMATES (2 of 2)				
District/CTC: Springfield School District		Project Name: Springfield High School		Project #:
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				3,261,402
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.)				9,755,215
4. Architectural Printing				40,000
5. Test Borings				54,500
6. Site Survey				47,500
7. Other (attach schedule if needed)				
a. _____				
b. PlanCon-D-Add't Costs, Total				8,126,034
8. Contingency				9,466,808
9. TOTAL - Additional Construction-Related Costs				30,751,459
H. FINANCING COSTS FOR THIS PROJECT ONLY	BOND ISSUE/NOTE SERIES OF 2015	BOND ISSUE/NOTE SERIES OF 2016A	BOND ISSUE/NOTE SERIES OF 2017	X X X X X X X X X X X X
1. Underwriter Fees	69,965	68,355	66,500	855,400
2. Legal Fees	23,000	23,000	23,000	195,000
3. Financial Advisor	29,500	29,500	29,500	193,500
4. Bond Insurance				
5. Paying Agent/Trustee Fees and Expenses	750	750	750	8,250
6. Capitalized Interest				
7. Printing	3,000	3,000	3,000	39,000
8. CUSIP & Rating Fees	16,600	18,910	17,600	140,110
9. Other				
a. Miscellaneous	1,000	1,320	1,748	25,068
b. _____				
10. TOTAL-Financing Costs	143,815	144,835	142,098	1,456,328
I. TOTAL PROJECT COSTS (F plus G-9 plus H-10)				137,456,328
REVENUE SOURCES	BOND ISSUE/NOTE SERIES OF 2015	BOND ISSUE/NOTE SERIES OF 2016A	BOND ISSUE/NOTE SERIES OF 2017	TOTAL
J. AMOUNT FINANCED FOR THIS PROJECT ONLY	9,995,000	9,765,000	9,500,000	137,690,000
K. ORIGINAL ISSUE DISCOUNT/ PREMIUM FOR THIS PROJECT ONLY	996	-95,485	-132,394	(619,033)
L. INTEREST EARNINGS FOR THIS PROJECT ONLY	24,988	24,412	23,750	385,361
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				137,456,328

REVISED JULY 1, 2010

FORM EXPIRES 6-30-12

PLANCON-D03



PROJECT ACCOUNTING BASED ON ESTIMATES (2 of 2)				
District/CTC: Springfield School District	Project Name: Springfield High School		Project #:	
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 2018	BOND ISSUE/NOTE SERIES OF 2019	BOND ISSUE/NOTE SERIES OF 2020	X X X X X X X X X X X X
1. Underwriter Fees	234,000	180,000	236,580	650,580
2. Legal Fees	42,000	42,000	42,000	126,000
3. Financial Advisor	35,000	35,000	35,000	105,000
4. Bond Insurance				
5. Paying Agent/Trustee Fees and Expenses	2,000	2,000	2,000	6,000
6. Capitalized Interest				
7. Printing	10,000	10,000	10,000	30,000
8. CUSIP & Rating Fees	29,000	29,000	29,000	87,000
9. Other				
a. Miscellaneous	7,000	7,000	7,000	21,000
b. _____				
10. TOTAL-Financing Costs	359,000	305,000	361,580	1,025,580
I. TOTAL PROJECT COSTS (F plus G-9 plus H-10)				
REVENUE SOURCES	BOND ISSUE/NOTE SERIES OF 2018	BOND ISSUE/NOTE SERIES OF 2019	BOND ISSUE/NOTE SERIES OF 2020	TOTAL
J. AMOUNT FINANCED FOR THIS PROJECT ONLY	39,000,000	30,000,000	39,430,000	108,430,000
K. ORIGINAL ISSUE DISCOUNT/ PREMIUM FOR THIS PROJECT ONLY	-195,000		-197,150	(392,150)
L. INTEREST EARNINGS FOR THIS PROJECT ONLY	97,500	90,000	124,711	312,211
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				108,350,061

REVISED JULY 1, 2010

FORM EXPIRES 6-30-12

PLANCON-D03

[illegible]



DETAILED COSTS			
District/CTC:	Project Name:		Project #:
Springfield School District	Springfield High School		
	NEW	EXISTING	TOTAL
A. SITE DEVELOPMENT COSTS (exclude Sanitary Sewage Disposal)			
1. General (include Rough Grading to Receive Building)	25,132,418		25,132,418
2. Heating and Ventilating			
3. Plumbing	50,000		50,000
4. Electrical	150,000		150,000
5. Other: _____			
6. Other: _____			
7. A-1 thru A-6 - Subtotal	25,332,418		25,332,418
8. Construction Insurance			
a. Owner Controlled Insurance Program on Site Development Costs			
b. Builder's Risk Insurance (if not included in primes)	27,000		27,000
c. Construction Insurance - Subtotal	27,000		27,000
9. Site Development Costs - Total	25,359,418		25,359,418
B. ARCHITECT'S FEE ON SITE DEVELOPMENT	2,564,820		2,564,820
			EXISTING
C. ASBESTOS ABATEMENT			
1. Asbestos Abatement			
2. AHERA Clearance Air Monitoring			
3. Asbestos Abatement - Total (D02, line A-5)			
D. EPA-CERTIFIED PROJECT DESIGNER'S FEE ON ASBESTOS ABATEMENT (D02, LINE B-2)			
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			



ACT 34 OF 1973: MAXIMUM BUILDING CONSTRUCTION COST FOR NEW BUILDING OR SUBSTANTIAL ADDITION ONLY														
District/CTC: Springfield School District	Project Name: Springfield High School	Project #:												
<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) \$ <u>105,230,541</u></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%;">\$</td><td style="width: 30%; text-align: right;"><u>25,359,418</u></td></tr><tr><td>2. Architect's Fees on the above excludable costs</td><td>\$</td><td style="text-align: right;"><u>2,564,820</u></td></tr><tr><td>3. Vocational Projects Only - Movable Fixtures & Equipment (D02, line C-3-NEW)</td><td>\$</td><td style="text-align: right;"><u> </u></td></tr><tr><td>4. Total Excludable Costs (B-1 plus B-2 and B-3)</td><td>\$</td><td style="text-align: right;"><u>27,924,238</u></td></tr></table> <p>C. ACT 34 MAXIMUM BUILDING CONSTRUCTION COST (A minus B-4) \$ <u>77,306,303</u></p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;">THE BOARD MUST ADOPT THE FIGURE ON LINE C BEFORE SCHEDULING THE FIRST ACT 34 HEARING.</div> <p style="text-align: center; padding-top: 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) \$ <u>83,490,808</u></p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;">THE FIGURE ON LINE D SHOULD NOT BE ADOPTED BY THE BOARD.</div>			1. Site Development Costs (D04, line A-7-NEW)	\$	<u>25,359,418</u>	2. Architect's Fees on the above excludable costs	\$	<u>2,564,820</u>	3. Vocational Projects Only - Movable Fixtures & Equipment (D02, line C-3-NEW)	\$	<u> </u>	4. Total Excludable Costs (B-1 plus B-2 and B-3)	\$	<u>27,924,238</u>
1. Site Development Costs (D04, line A-7-NEW)	\$	<u>25,359,418</u>												
2. Architect's Fees on the above excludable costs	\$	<u>2,564,820</u>												
3. Vocational Projects Only - Movable Fixtures & Equipment (D02, line C-3-NEW)	\$	<u> </u>												
4. Total Excludable Costs (B-1 plus B-2 and B-3)	\$	<u>27,924,238</u>												



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PART VI

Analysis of Financial Alternatives

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ANALYSIS OF FINANCING ALTERNATIVES

We have analyzed four alternative methods of financing the proposed designing, constructing, furnishing, and equipping renovations to the Springfield High School (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	\$123,271,790	\$123,271,790	\$123,271,790
Contingency & Supervision	12,728,210	12,728,210	12,728,210
Costs of Issuance	1,456,328	1,476,500	1,466,500
Total Costs	<u>137,456,328</u>	<u>137,476,500</u>	<u>137,466,500</u>
Less: Interest Earned	385,361	391,500	388,500
Plus: Original Issue Discount	619,033	625,000	622,000
BOND ISSUE	137,690,000	137,710,000	137,700,000
Average Annual Payment at 4.25%** for 20 years	\$10,195,378	\$10,415,599	\$10,414,842

* 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 4.50% 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 will consider the use of a wrap around debt service structure on the Bonds in order to take advantage of a drop off in old debt service which will minimize the millage impact.
3. The School District may consider the use of variable rate debt for the future Series of 2019 in order to minimize the millage impact and diversify their debt portfolio.
4. For discussion purposes only, we have provided the following amortization schedules which may fully fund the Project:
 - Table 1 - Series of 2015 \$9,995,000
 - Table 2 -Series A of 2016 \$9,765,000
 - Table 3 – Series of 2017 \$9,500,000
 - Table 4 – Series of 2018 \$39,000,000
 - Table 5 – Series of 2019 \$30,000,000
 - Table 6 – Series of 2020 \$39,430,000



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 Market Value Aid Ratio ("MVAR"). It is estimated that the Project will be assigned \$11,916,200 in reimbursement. Based on a pro-forma calculation of reimbursement for a bond issue sized for this Project, the reimbursement percentage would be 8.67%. The School District's MVAR percentage is 32.58%. When these two percentages are multiplied, the result is an "effective" reimbursable percentage of 2.82%. Therefore, for each dollar paid by the School District toward principal and interest, the state will reimburse the School District 2.82 cents for the Project.

INDIRECT COST SAVINGS

As a result of the completion of this proposed Project, it is only reasonable to assume that there will be indirect cost savings associated with services to be provided to accomplish long range objectives of the School District due to a Square Footage reduction. Current building at 280,000 SqFt to 225,000 Sqft new building. School District officials have estimated the annual indirect cost savings associated with the Project to be as follows:

Support Personnel -1.5 Custodial reduction	\$45,500
-Benefits/pension (60%)	67,900
Maintenance costs/ supplies \$7.10/ft at 55,000 SqFt (2019-20 projected costs)	390,500
Utility cost reduction \$1.40 perSqft at 55,000 Sqft (2019-20 projected costs)	<u>77,000</u>
Total Annual Cost reduction	\$580,900

Assuming a collected mill currently provides \$1,808,387, the indirect cost savings will have a millage decrease of 0.32 mills annually.

TOTAL MILLAGE IMPACT

The total millage impact of the Project is:	
Table 1 - Series of 2015 \$9,995,000 =	0.19 mills
Table 2 -Series A of 2016 \$9,765,000 =	0.16 mills
Table 3 – Series of 2017 \$9,500,000 =	0.17 mills
Table 4 – Series of 2018 \$39,000,000 =	0.85 mills
Table 5 – Series of 2019 \$30,000,000 =	0.48 mills
Table 6 – Series of 2020 \$39,430,000 =	<u>1.04 mills</u>
Total	2.89 mills

The millage impact from the bond issues of 2.89 mills less the indirect cost savings of 0.32 mills equals a total millage impact of 2.57 mills.



SPRINGFIELD SCHOOL DISTRICT

SERIES OF 2015

Total Issue = \$9,995,000

TABLE 1

Settled

12/10/2015

Dated

12/10/2015

1	2	3	4	5	6	7	8	9	10	11
Date	Principal	Coupon	Interest	Semi-Annual Debt Service	Proposed Fiscal Year Debt Service	Less: State Aid	Proposed Local Effort	Existing Debt Service	Total Local Effort	Millage Equivalent
4/1/2016			104,239.41	104,239.41	104,239.41	(2,944.44)	101,294.97	5,144,232.50	5,245,527.47	0.06
10/1/2016			169,036.88	169,036.88						
4/1/2017			169,036.88	169,036.88	338,073.75	(9,549.52)	328,524.23	5,230,995.00	5,559,519.23	0.13
10/1/2017	5,000	2,000	169,036.88	174,036.88						
4/1/2018			168,986.88	168,986.88	343,023.75	(9,689.34)	333,334.41	5,232,617.50	5,565,951.91	
10/1/2018	5,000	2,000	168,986.88	173,986.88						
4/1/2019			168,936.88	168,936.88	342,923.75	(9,686.52)	333,237.23	5,095,983.75	5,429,220.98	
10/1/2019	5,000	2,000	168,936.88	173,936.88						
4/1/2020			168,886.88	168,886.88	342,823.75	(9,683.69)	333,140.06	5,115,722.50	5,448,862.56	
10/1/2020	5,000	2,000	168,886.88	173,886.88						
4/1/2021			168,836.88	168,836.88	342,723.75	(9,680.87)	333,042.88	5,111,155.00	5,444,197.88	
10/1/2021	5,000	2,000	168,836.88	173,836.88						
4/1/2022			168,786.88	168,786.88	342,623.75	(9,678.05)	332,945.70	5,116,155.00	5,449,100.70	
10/1/2022	5,000	2,000	168,786.88	173,786.88						
4/1/2023			168,736.88	168,736.88	342,523.75	(9,675.22)	332,848.53	5,133,377.50	5,466,226.03	
10/1/2023	5,000	2,100	168,736.88	173,736.88						
4/1/2024			168,684.38	168,684.38	342,421.25	(9,672.33)	332,748.92	5,213,600.00	5,546,348.92	
10/1/2024	5,000	2,250	168,684.38	173,684.38						
4/1/2025			168,628.13	168,628.13	342,312.50	(9,669.25)	332,643.25	5,237,700.00	5,570,343.25	
10/1/2025	415,000	2,300	168,628.13	583,628.13						
4/1/2026			163,855.63	163,855.63	747,483.75	(21,114.07)	726,369.68		726,369.68	
10/1/2026	425,000	2,450	163,855.63	588,855.63						
4/1/2027			158,649.38	158,649.38	747,505.00	(21,114.67)	726,390.33		726,390.33	
10/1/2027	435,000	2,500	158,649.38	593,649.38						
4/1/2028			153,211.88	153,211.88	746,861.25	(21,096.49)	725,764.76		725,764.76	
10/1/2028	450,000	3,000	153,211.88	603,211.88						
4/1/2029			146,461.88	146,461.88	749,673.75	(21,175.93)	728,497.82		728,497.82	
10/1/2029	465,000	3,000	146,461.88	611,461.88						
4/1/2030			139,486.88	139,486.88	750,948.75	(21,211.94)	729,736.81		729,736.81	
10/1/2030	480,000	3,000	139,486.88	619,486.88						
4/1/2031			132,286.88	132,286.88	751,773.75	(21,235.25)	730,538.50		730,538.50	
10/1/2031	495,000	3,500	132,286.88	627,286.88						
4/1/2032			123,624.38	123,624.38	750,911.25	(21,210.88)	729,700.37		729,700.37	
10/1/2032	510,000	3,500	123,624.38	633,624.38						
4/1/2033			114,699.38	114,699.38	748,323.75	(21,137.80)	727,185.95		727,185.95	
10/1/2033	530,000	3,500	114,699.38	644,699.38						
4/1/2034			105,424.38	105,424.38	750,123.75	(21,188.64)	728,935.11		728,935.11	
10/1/2034	550,000	3,750	105,424.38	655,424.38						
4/1/2035			95,111.88	95,111.88	750,536.25	(21,200.29)	729,335.96		729,335.96	
10/1/2035	570,000	3,750	95,111.88	665,111.88						
4/1/2036			84,424.38	84,424.38	749,536.25	(21,172.05)	728,364.20		728,364.20	
10/1/2036	590,000	3,750	84,424.38	674,424.38						
4/1/2037			73,361.88	73,361.88	747,786.25	(21,122.61)	726,663.64		726,663.64	
10/1/2037	615,000	3,750	73,361.88	688,361.88						
4/1/2038			61,830.63	61,830.63	750,192.50	(21,190.58)	729,001.92		729,001.92	
10/1/2038	635,000	3,600	61,830.63	696,830.63						
4/1/2039			50,400.63	50,400.63	747,231.25	(21,106.94)	726,124.31		726,124.31	
10/1/2039	660,000	3,600	50,400.63	710,400.63						
4/1/2040			38,520.63	38,520.63	748,921.25	(21,154.67)	727,766.58		727,766.58	
10/1/2040	685,000	3,600	38,520.63	723,520.63						
4/1/2041			26,190.63	26,190.63	749,711.25	(21,176.99)	728,534.26		728,534.26	
10/1/2041	710,000	3,625	26,190.63	736,190.63						
4/1/2042			13,321.88	13,321.88	749,512.50	(21,171.37)	728,341.13		728,341.13	
10/1/2042	735,000	3,625	13,321.88	748,321.88						
4/1/2043					748,321.88	(21,137.74)	727,184.13		727,184.13	
TOTALS	9,995,000		6,674,043.78	16,669,043.78	16,669,043.78	(470,848.15)	16,198,195.64	51,631,538.75	67,829,734.39	0.19

PE%= 8.67% *Estimated*
 AR%= 32.58% *(2017-2018)*
 1 MILL= 1,808,387 *Estimated*



SPRINGFIELD SCHOOL DISTRICT
SERIES A OF 2016
Total Issue = \$9,765,000

TABLE 2

Settled 5/24/2016
Dated 5/24/2016

1	2	3	4	5	6	7	8	9	10	11
<u>Date</u>	<u>Principal</u>	<u>Coupon</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 Debt Service</u>	<u>Total Local Effort</u>	<u>Millage Equivalent</u>
9/1/2016			77,575.08	77,575.08						
3/1/2017			143,953.75	143,953.75	221,528.83	(6,257.49)	215,271.33	5,559,519.23	5,774,790.56	0.12
9/1/2017			143,953.75	143,953.75						
3/1/2018	5,000	2,000	143,953.75	148,953.75	292,907.50	(8,273.72)	284,633.78	5,565,951.91	5,850,585.69	0.04
9/1/2018			143,903.75	143,903.75						
3/1/2019	5,000	2,000	143,903.75	148,903.75	292,807.50	(8,270.89)	284,536.61	5,429,220.98	5,713,757.59	
9/1/2019			143,853.75	143,853.75						
3/1/2020	5,000	2,000	143,853.75	148,853.75	292,707.50	(8,268.07)	284,439.43	5,448,862.56	5,733,301.99	
9/1/2020			143,803.75	143,803.75						
3/1/2021	5,000	2,000	143,803.75	148,803.75	292,607.50	(8,265.24)	284,342.26	5,444,197.88	5,728,540.14	
9/1/2021			143,753.75	143,753.75						
3/1/2022	5,000	2,000	143,753.75	148,753.75	292,507.50	(8,262.42)	284,245.08	5,449,100.70	5,733,345.79	
9/1/2022			143,703.75	143,703.75						
3/1/2023	5,000	2,000	143,703.75	148,703.75	292,407.50	(8,259.59)	284,147.91	5,466,226.03	5,750,373.94	
9/1/2023			143,653.75	143,653.75						
3/1/2024	5,000	2,000	143,653.75	148,653.75	292,307.50	(8,256.77)	284,050.73	5,546,348.92	5,830,399.66	
9/1/2024			143,603.75	143,603.75						
3/1/2025	5,000	2,000	143,603.75	148,603.75	292,207.50	(8,253.94)	283,953.56	5,570,343.25	5,854,296.80	
9/1/2025			143,553.75	143,553.75						
3/1/2026	430,000	2,000	143,553.75	573,553.75	717,107.50	(20,256.04)	696,851.46	726,369.68	1,423,221.15	
9/1/2026			139,253.75	139,253.75						
3/1/2027	435,000	2,150	139,253.75	574,253.75	713,507.50	(20,154.35)	693,353.15	726,390.33	1,419,743.48	
9/1/2027			134,577.50	134,577.50						
3/1/2028	445,000	2,250	134,577.50	579,577.50	714,155.00	(20,172.64)	693,982.36	725,764.76	1,419,747.13	
9/1/2028			129,571.25	129,571.25						
3/1/2029	455,000	2,350	129,571.25	584,571.25	714,142.50	(20,172.28)	693,970.22	728,497.82	1,422,468.04	
9/1/2029			124,225.00	124,225.00						
3/1/2030	465,000	3,000	124,225.00	589,225.00	713,450.00	(20,152.72)	693,297.28	729,736.81	1,423,034.08	
9/1/2030			117,250.00	117,250.00						
3/1/2031	475,000	3,000	117,250.00	592,250.00	709,500.00	(20,041.15)	689,458.85	730,538.50	1,419,997.35	
9/1/2031			110,125.00	110,125.00						
3/1/2032	490,000	3,000	110,125.00	600,125.00	710,250.00	(20,062.33)	690,187.67	729,700.37	1,419,888.03	
9/1/2032			102,775.00	102,775.00						
3/1/2033	510,000	3,000	102,775.00	612,775.00	715,550.00	(20,212.04)	695,337.96	727,185.95	1,422,523.91	
9/1/2033			95,125.00	95,125.00						
3/1/2034	520,000	3,000	95,125.00	615,125.00	710,250.00	(20,062.33)	690,187.67	728,935.11	1,419,122.78	
9/1/2034			87,325.00	87,325.00						
3/1/2035	540,000	3,000	87,325.00	627,325.00	714,650.00	(20,186.62)	694,463.38	729,335.96	1,423,799.34	
9/1/2035			79,225.00	79,225.00						
3/1/2036	555,000	3,000	79,225.00	634,225.00	713,450.00	(20,152.72)	693,297.28	728,364.20	1,421,661.48	
9/1/2036			70,900.00	70,900.00						
3/1/2037	575,000	3,100	70,900.00	645,900.00	716,800.00	(20,247.35)	696,552.65	726,663.64	1,423,216.29	
9/1/2037			61,987.50	61,987.50						
3/1/2038	590,000	3,100	61,987.50	651,987.50	713,975.00	(20,167.55)	693,807.45	729,001.92	1,422,809.37	
9/1/2038			52,842.50	52,842.50						
3/1/2039	610,000	3,200	52,842.50	662,842.50	715,685.00	(20,215.85)	695,469.15	726,124.31	1,421,593.46	
9/1/2039			43,082.50	43,082.50						
3/1/2040	625,000	3,200	43,082.50	668,082.50	711,165.00	(20,088.18)	691,076.82	727,766.58	1,418,843.40	
9/1/2040			33,082.50	33,082.50						
3/1/2041	645,000	3,300	33,082.50	678,082.50	711,165.00	(20,088.18)	691,076.82	728,534.26	1,419,611.08	
9/1/2041			22,440.00	22,440.00						
3/1/2042	670,000	3,300	22,440.00	692,440.00	714,880.00	(20,193.12)	694,686.88	728,341.13	1,423,028.01	
9/1/2042			11,385.00	11,385.00						
3/1/2043	690,000	3,300	11,385.00	701,385.00	712,770.00	(20,133.51)	692,636.49	727,184.13	1,419,820.62	
TOTALS	9,765,000		5,639,441.33	15,404,441.33	15,404,441.33	(435,127.10)	14,969,314.23	62,584,206.91	77,553,521.14	0.16

PE%= 8.67% *Estimated*
 AR%= 32.58% (2017-2018)
 1 MILL= 1,808,387 *Estimated*



SPRINGFIELD SCHOOL DISTRICT

SERIES OF 2017

Total Issue = \$9,500,000

TABLE 3

Settled 6/14/2017
Dated 6/14/2017

1	2	3	4	5	6	7	8	9	10	11
Date	Principal	Coupon	Interest	Semi-Annual Debt Service	Proposed Fiscal Year Debt Service	Less: State Aid	Proposed Local Effort	Existing Local Effort	Total Local Effort	Millage Equivalent
9/1/2017			65,050.30	65,050.30						
3/1/2018			152,065.63	152,065.63	217,115.93	(6,132.84)	210,983.09	5,850,585.69	6,061,568.78	0.12
9/1/2018			152,065.63	152,065.63						
3/1/2019	5,000	2.000	152,065.63	157,065.63	309,131.26	(8,731.99)	300,399.27	5,713,757.59	6,014,156.86	0.05
9/1/2019			152,015.63	152,015.63						
3/1/2020	5,000	2.000	152,015.63	157,015.63	309,031.26	(8,729.16)	300,302.10	5,733,301.99	6,033,604.09	
9/1/2020			151,965.63	151,965.63						
3/1/2021	5,000	2.000	151,965.63	156,965.63	308,931.26	(8,726.34)	300,204.92	5,728,540.14	6,028,745.06	
9/1/2021			151,915.63	151,915.63						
3/1/2022	5,000	2.000	151,915.63	156,915.63	308,831.26	(8,723.51)	300,107.75	5,733,345.79	6,033,453.53	
9/1/2022			151,865.63	151,865.63						
3/1/2023	5,000	2.000	151,865.63	156,865.63	308,731.26	(8,720.69)	300,010.57	5,750,373.94	6,050,384.51	
9/1/2023			151,815.63	151,815.63						
3/1/2024	5,000	2.000	151,815.63	156,815.63	308,631.26	(8,717.86)	299,913.40	5,830,399.66	6,130,313.05	
9/1/2024			151,765.63	151,765.63						
3/1/2025	5,000	2.250	151,765.63	156,765.63	308,531.26	(8,715.04)	299,816.22	5,854,296.80	6,154,113.02	
9/1/2025			151,709.38	151,709.38						
3/1/2026	405,000	2.375	151,709.38	556,709.38	708,418.76	(20,010.61)	688,408.15	1,423,221.15	2,111,629.30	
9/1/2026			146,900.00	146,900.00						
3/1/2027	415,000	2.500	146,900.00	561,900.00	708,800.00	(20,021.37)	688,778.63	1,419,743.48	2,108,522.11	
9/1/2027			141,712.50	141,712.50						
3/1/2028	425,000	3.000	141,712.50	566,712.50	708,425.00	(20,010.78)	688,414.22	1,419,747.13	2,108,161.35	
9/1/2028			135,337.50	135,337.50						
3/1/2029	435,000	3.000	135,337.50	570,337.50	705,675.00	(19,933.10)	685,741.90	1,422,468.04	2,108,209.93	
9/1/2029			128,812.50	128,812.50						
3/1/2030	450,000	3.000	128,812.50	578,812.50	707,625.00	(19,988.18)	687,636.82	1,423,034.08	2,110,670.90	
9/1/2030			122,062.50	122,062.50						
3/1/2031	465,000	3.000	122,062.50	587,062.50	709,125.00	(20,030.55)	689,094.45	1,419,997.35	2,109,091.80	
9/1/2031			115,087.50	115,087.50						
3/1/2032	480,000	3.000	115,087.50	595,087.50	710,175.00	(20,060.21)	690,114.79	1,419,888.03	2,110,002.82	
9/1/2032			107,887.50	107,887.50						
3/1/2033	490,000	3.000	107,887.50	597,887.50	705,775.00	(19,935.93)	685,839.07	1,422,523.91	2,108,362.99	
9/1/2033			100,537.50	100,537.50						
3/1/2034	510,000	3.100	100,537.50	610,537.50	711,075.00	(20,085.64)	690,989.36	1,419,122.78	2,110,112.14	
9/1/2034			92,632.50	92,632.50						
3/1/2035	520,000	3.200	92,632.50	612,632.50	705,265.00	(19,921.52)	685,343.48	1,423,799.34	2,109,142.82	
9/1/2035			84,312.50	84,312.50						
3/1/2036	540,000	3.300	84,312.50	624,312.50	708,625.00	(20,016.43)	688,608.57	1,421,661.48	2,110,270.05	
9/1/2036			75,402.50	75,402.50						
3/1/2037	555,000	3.350	75,402.50	630,402.50	705,805.00	(19,936.78)	685,868.22	1,423,216.29	2,109,084.51	
9/1/2037			66,106.25	66,106.25						
3/1/2038	575,000	3.450	66,106.25	641,106.25	707,212.50	(19,976.53)	687,235.97	1,422,809.37	2,110,045.33	
9/1/2038			56,187.50	56,187.50						
3/1/2039	595,000	3.450	56,187.50	651,187.50	707,375.00	(19,981.12)	687,393.88	1,421,593.46	2,108,987.34	
9/1/2039			45,923.75	45,923.75						
3/1/2040	620,000	3.500	45,923.75	665,923.75	711,847.50	(20,107.46)	691,740.04	1,418,843.40	2,110,583.44	
9/1/2040			35,073.75	35,073.75						
3/1/2041	640,000	3.500	35,073.75	675,073.75	710,147.50	(20,059.44)	690,088.06	1,419,611.08	2,109,699.15	
9/1/2041			23,873.75	23,873.75						
3/1/2042	660,000	3.550	23,873.75	683,873.75	707,747.50	(19,991.64)	687,755.86	1,423,028.01	2,110,783.87	
9/1/2042			12,158.75	12,158.75						
3/1/2043	685,000	3.550	12,158.75	697,158.75	709,317.50	(20,035.99)	689,281.51	1,419,820.62	2,109,102.13	
TOTALS	9,500,000		5,627,371.01	15,127,371.01	15,127,371.01	(427,300.73)	14,700,070.28	71,778,730.58	86,478,800.86	0.17

PE%= 8.67% *Estimated*
AR%= 32.58% (2017-2018)
1 MILL= 1,808,387 *Estimated*



SPRINGFIELD SCHOOL DISTRICT
SERIES OF 2018
Total Issue = \$39,000,000

TABLE 4

Settled 10/1/2018
Dated 10/1/2018

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>
3/1/2019			660,543.75	660,543.75	660,543.75	(18,658.29)	641,885.46	6,014,156.86	6,656,042.32	0.35
9/1/2019			792,652.50	792,652.50						
3/1/2020	5,000	3.140	792,652.50	797,652.50	1,590,305.00	(44,921.12)	1,545,383.88	6,033,604.09	7,578,987.96	0.50
9/1/2020			792,574.00	792,574.00						
3/1/2021	5,000	3.180	792,574.00	797,574.00	1,590,148.00	(44,916.69)	1,545,231.31	6,028,745.06	7,573,976.37	
9/1/2021			792,494.50	792,494.50						
3/1/2022	5,000	3.220	792,494.50	797,494.50	1,589,989.00	(44,912.20)	1,545,076.80	6,033,453.53	7,578,530.34	
9/1/2022			792,414.00	792,414.00						
3/1/2023	5,000	3.300	792,414.00	797,414.00	1,589,828.00	(44,907.65)	1,544,920.35	6,050,384.51	7,595,304.86	
9/1/2023			792,331.50	792,331.50						
3/1/2024	5,000	3.370	792,331.50	797,331.50	1,589,663.00	(44,902.99)	1,544,760.01	6,130,313.05	7,675,073.06	
9/1/2024			792,247.25	792,247.25						
3/1/2025	5,000	3.470	792,247.25	797,247.25	1,589,494.50	(44,898.23)	1,544,596.27	6,154,113.02	7,698,709.29	
9/1/2025			792,160.50	792,160.50						
3/1/2026	1,530,000	3.570	792,160.50	2,322,160.50	3,114,321.00	(87,969.79)	3,026,351.21	2,111,629.30	5,137,980.51	
9/1/2026			764,850.00	764,850.00						
3/1/2027	1,585,000	3.650	764,850.00	2,349,850.00	3,114,700.00	(87,980.49)	3,026,719.51	2,108,522.11	5,135,241.62	
9/1/2027			735,923.75	735,923.75						
3/1/2028	1,645,000	3.720	735,923.75	2,380,923.75	3,116,847.50	(88,041.15)	3,028,806.35	2,108,161.35	5,136,967.69	
9/1/2028			705,326.75	705,326.75						
3/1/2029	1,705,000	3.790	705,326.75	2,410,326.75	3,115,653.50	(88,007.43)	3,027,646.07	2,108,209.93	5,135,856.01	
9/1/2029			673,017.00	673,017.00						
3/1/2030	1,770,000	3.850	673,017.00	2,443,017.00	3,116,034.00	(88,018.18)	3,028,015.82	2,110,670.90	5,138,686.72	
9/1/2030			638,944.50	638,944.50						
3/1/2031	1,840,000	3.920	638,944.50	2,478,944.50	3,117,889.00	(88,070.57)	3,029,818.43	2,109,091.80	5,138,910.23	
9/1/2031			602,880.50	602,880.50						
3/1/2032	1,910,000	3.990	602,880.50	2,512,880.50	3,115,761.00	(88,010.46)	3,027,750.54	2,110,002.82	5,137,753.35	
9/1/2032			564,776.00	564,776.00						
3/1/2033	1,990,000	4.050	564,776.00	2,554,776.00	3,119,552.00	(88,117.55)	3,031,434.45	2,108,362.99	5,139,797.44	
9/1/2033			524,478.50	524,478.50						
3/1/2034	2,065,000	4.080	524,478.50	2,589,478.50	3,113,957.00	(87,959.51)	3,025,997.49	2,110,112.14	5,136,109.63	
9/1/2034			482,352.50	482,352.50						
3/1/2035	2,150,000	4.110	482,352.50	2,632,352.50	3,114,705.00	(87,980.64)	3,026,724.36	2,109,142.82	5,135,867.18	
9/1/2035			438,170.00	438,170.00						
3/1/2036	2,240,000	4.140	438,170.00	2,678,170.00	3,116,340.00	(88,026.82)	3,028,313.18	2,110,270.05	5,138,583.23	
9/1/2036			391,802.00	391,802.00						
3/1/2037	2,335,000	4.170	391,802.00	2,726,802.00	3,118,604.00	(88,090.77)	3,030,513.23	2,109,084.51	5,139,597.74	
9/1/2037			343,117.25	343,117.25						
3/1/2038	2,430,000	4.200	343,117.25	2,773,117.25	3,116,234.50	(88,023.84)	3,028,210.66	2,110,045.33	5,138,255.99	
9/1/2038			292,087.25	292,087.25						
3/1/2039	2,530,000	4.220	292,087.25	2,822,087.25	3,114,174.50	(87,965.65)	3,026,208.85	2,108,987.34	5,135,196.19	
9/1/2039			238,704.25	238,704.25						
3/1/2040	2,640,000	4.230	238,704.25	2,878,704.25	3,117,408.50	(88,057.00)	3,029,351.50	2,110,583.44	5,139,934.94	
9/1/2040			182,868.25	182,868.25						
3/1/2041	2,750,000	4.240	182,868.25	2,932,868.25	3,115,736.50	(88,009.77)	3,027,726.73	2,109,699.15	5,137,425.87	
9/1/2041			124,568.25	124,568.25						
3/1/2042	2,865,000	4.250	124,568.25	2,989,568.25	3,114,136.50	(87,964.58)	3,026,171.92	2,110,783.87	5,136,955.79	
9/1/2042			63,687.00	63,687.00						
3/1/2043	2,990,000	4.260	63,687.00	3,053,687.00	3,117,374.00	(88,056.03)	3,029,317.97	2,109,102.13	5,138,420.10	
TOTALS	39,000,000		27,289,399.75	66,289,399.75	66,289,399.75	(1,872,467.39)	64,416,932.36	80,417,232.09	144,834,164.44	0.85

PE%= 8.67% *Estimated*
 AR%= 32.58% *(2017-2018)*
 1 MILL= 1,808,387 *Estimated*



SPRINGFIELD SCHOOL DISTRICT

SERIES OF 2019

TABLE 5

Settled

10/1/2019

Total Issue = \$30,000,000

Dated

10/1/2019

1	2	3	4	5	6	7	8	9	10
Principal Payment Date	Principal	Budgeted Rate	Fiscal Year Interest	Fiscal Year Debt Service	Less: State Aid	Fiscal Year Local Effort	Existing Local Effort	Total Local Effort	Millage Equivalent
3/1/2020		3.000	675,000.00	675,000.00	(19,066.63)	655,933.37	7,578,987.96	8,234,921.33	0.36
3/1/2021	5,000	3.000	899,950.00	904,950.00	(25,562.00)	879,388.00	7,573,976.37	8,453,364.38	0.12
3/1/2022	5,000	3.000	899,800.00	904,800.00	(25,557.76)	879,242.24	7,578,530.34	8,457,772.58	
3/1/2023	5,000	3.000	899,650.00	904,650.00	(25,553.52)	879,096.48	7,595,304.86	8,474,401.34	
3/1/2024	5,000	3.000	899,500.00	904,500.00	(25,549.28)	878,950.72	7,675,073.06	8,554,023.78	
3/1/2025	5,000	3.000	899,350.00	904,350.00	(25,545.05)	878,804.95	7,698,709.29	8,577,514.25	
3/1/2026	1,280,000	3.000	886,450.00	2,166,450.00	(61,195.41)	2,105,254.59	5,137,980.51	7,243,235.10	
3/1/2027	1,315,000	3.000	847,700.00	2,162,700.00	(61,089.48)	2,101,610.52	5,135,241.62	7,236,852.13	
3/1/2028	1,355,000	3.000	807,850.00	2,162,850.00	(61,093.72)	2,101,756.28	5,136,967.69	7,238,723.97	
3/1/2029	1,400,000	3.000	766,750.00	2,166,750.00	(61,203.88)	2,105,546.12	5,135,856.01	7,241,402.12	
3/1/2030	1,435,000	3.000	724,400.00	2,159,400.00	(60,996.27)	2,098,403.73	5,138,686.72	7,237,090.45	
3/1/2031	1,480,000	3.000	680,900.00	2,160,900.00	(61,038.64)	2,099,861.36	5,138,910.23	7,238,771.59	
3/1/2032	1,525,000	3.000	636,050.00	2,161,050.00	(61,042.88)	2,100,007.12	5,137,753.35	7,237,760.48	
3/1/2033	1,575,000	3.000	589,800.00	2,164,800.00	(61,148.80)	2,103,651.20	5,139,797.44	7,243,448.63	
3/1/2034	1,620,000	3.000	542,100.00	2,162,100.00	(61,072.54)	2,101,027.46	5,136,109.63	7,237,137.10	
3/1/2035	1,670,000	3.000	493,000.00	2,163,000.00	(61,097.96)	2,101,902.04	5,135,867.18	7,237,769.22	
3/1/2036	1,725,000	3.000	442,350.00	2,167,350.00	(61,220.83)	2,106,129.17	5,138,583.23	7,244,712.40	
3/1/2037	1,770,000	3.000	390,150.00	2,160,150.00	(61,017.45)	2,099,132.55	5,139,597.74	7,238,730.29	
3/1/2038	1,830,000	3.000	336,450.00	2,166,450.00	(61,195.41)	2,105,254.59	5,138,255.99	7,243,510.58	
3/1/2039	1,880,000	3.000	281,050.00	2,161,050.00	(61,042.88)	2,100,007.12	5,135,196.19	7,235,203.31	
3/1/2040	1,940,000	3.000	224,050.00	2,164,050.00	(61,127.62)	2,102,922.38	5,139,934.94	7,242,857.32	
3/1/2041	1,995,000	3.000	165,300.00	2,160,300.00	(61,021.69)	2,099,278.31	5,137,425.87	7,236,704.18	
3/1/2042	2,060,000	3.000	104,800.00	2,164,800.00	(61,148.80)	2,103,651.20	5,136,955.79	7,240,606.99	
3/1/2043	2,120,000	3.000	42,400.00	2,162,400.00	(61,081.01)	2,101,318.99	5,138,420.10	7,239,739.09	
TOTALS	30,000,000		14,134,800.00	44,134,800.00	(1,246,669.52)	42,888,130.48	138,178,122.12	181,066,252.60	0.48

PE%= 8.67% *Estimated*
 AR%= 32.58% (2017-2018)
 1 MILL= 1,808,387 *Estimated*



SPRINGFIELD SCHOOL DISTRICT
SERIES OF 2020
Total Issue = \$39,430,000

TABLE 6

Settled 10/1/2020
Dated 10/1/2020

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>
3/1/2021			650,049.17	650,049.17	650,049.17	(18,361.85)	631,687.32	8,453,364.38	9,085,051.69	0.35
9/1/2021			780,059.00	780,059.00						
3/1/2022	370,000	3.140	780,059.00	1,150,059.00	1,930,118.00	(54,519.77)	1,875,598.23	8,457,772.58	10,333,370.80	0.69
9/1/2022			774,250.00	774,250.00						
3/1/2023	365,000	3.180	774,250.00	1,139,250.00	1,913,500.00	(54,050.37)	1,859,449.63	8,474,401.34	10,333,850.97	
9/1/2023			768,446.50	768,446.50						
3/1/2024	295,000	3.220	768,446.50	1,063,446.50	1,831,893.00	(51,745.23)	1,780,147.77	8,554,023.78	10,334,171.55	
9/1/2024			763,697.00	763,697.00						
3/1/2025	280,000	3.300	763,697.00	1,043,697.00	1,807,394.00	(51,053.21)	1,756,340.79	8,577,514.25	10,333,855.04	
9/1/2025			759,077.00	759,077.00						
3/1/2026	1,510,000	3.370	759,077.00	2,269,077.00	3,028,154.00	(85,535.84)	2,942,618.16	7,243,235.10	10,185,853.26	
9/1/2026			733,633.50	733,633.50						
3/1/2027	1,570,000	3.470	733,633.50	2,303,633.50	3,037,267.00	(85,793.26)	2,951,473.74	7,236,852.13	10,188,325.88	
9/1/2027			706,394.00	706,394.00						
3/1/2028	1,620,000	3.570	706,394.00	2,326,394.00	3,032,788.00	(85,666.74)	2,947,121.26	7,238,723.97	10,185,845.23	
9/1/2028			677,477.00	677,477.00						
3/1/2029	1,675,000	3.650	677,477.00	2,352,477.00	3,029,954.00	(85,586.69)	2,944,367.31	7,241,402.12	10,185,769.44	
9/1/2029			646,908.25	646,908.25						
3/1/2030	1,745,000	3.720	646,908.25	2,391,908.25	3,038,816.50	(85,837.02)	2,952,979.48	7,237,090.45	10,190,069.93	
9/1/2030			614,451.25	614,451.25						
3/1/2031	1,805,000	3.790	614,451.25	2,419,451.25	3,033,902.50	(85,698.22)	2,948,204.28	7,238,771.59	10,186,975.87	
9/1/2031			580,246.50	580,246.50						
3/1/2032	1,875,000	3.850	580,246.50	2,455,246.50	3,035,493.00	(85,743.15)	2,949,749.85	7,237,760.48	10,187,510.33	
9/1/2032			544,152.75	544,152.75						
3/1/2033	1,940,000	3.920	544,152.75	2,484,152.75	3,028,305.50	(85,540.12)	2,942,765.38	7,243,448.63	10,186,214.01	
9/1/2033			506,128.75	506,128.75						
3/1/2034	2,025,000	3.990	506,128.75	2,531,128.75	3,037,257.50	(85,792.99)	2,951,464.51	7,237,137.10	10,188,601.61	
9/1/2034			465,730.00	465,730.00						
3/1/2035	2,105,000	4.050	465,730.00	2,570,730.00	3,036,460.00	(85,770.46)	2,950,689.54	7,237,769.22	10,188,458.76	
9/1/2035			423,103.75	423,103.75						
3/1/2036	2,180,000	4.080	423,103.75	2,603,103.75	3,026,207.50	(85,480.86)	2,940,726.64	7,244,712.40	10,185,439.04	
9/1/2036			378,631.75	378,631.75						
3/1/2037	2,280,000	4.110	378,631.75	2,658,631.75	3,037,263.50	(85,793.16)	2,951,470.34	7,238,730.29	10,190,200.63	
9/1/2037			331,777.75	331,777.75						
3/1/2038	2,365,000	4.140	331,777.75	2,696,777.75	3,028,555.50	(85,547.18)	2,943,008.32	7,243,510.58	10,186,518.90	
9/1/2038			282,822.25	282,822.25						
3/1/2039	2,475,000	4.170	282,822.25	2,757,822.25	3,040,644.50	(85,888.66)	2,954,755.84	7,235,203.31	10,189,959.15	
9/1/2039			231,218.50	231,218.50						
3/1/2040	2,570,000	4.200	231,218.50	2,801,218.50	3,032,437.00	(85,656.82)	2,946,780.18	7,242,857.32	10,189,637.50	
9/1/2040			177,248.50	177,248.50						
3/1/2041	2,680,000	4.220	177,248.50	2,857,248.50	3,034,497.00	(85,715.01)	2,948,781.99	7,236,704.18	10,185,486.17	
9/1/2041			120,700.50	120,700.50						
3/1/2042	2,790,000	4.230	120,700.50	2,910,700.50	3,031,401.00	(85,627.56)	2,945,773.44	7,240,606.99	10,186,380.43	
9/1/2042			61,692.00	61,692.00						
3/1/2043	2,910,000	4.240	61,692.00	2,971,692.00	3,033,384.00	(85,683.57)	2,947,700.43	7,239,739.09	10,187,439.52	
TOTALS	39,430,000		23,305,742.17	62,735,742.17	62,735,742.17	(1,772,087.73)	60,963,654.44	172,831,331.27	233,794,985.71	1.04
PE%=	8.67% <i>Estimated</i>									
AR%=	32.58% <i>(2017-2018)</i>									
1 MILL=	1,808,387 <i>Estimated</i>									



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PART VII

Public Comments

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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 Board Room of the McLaughlin Education Center Administration Offices of the Springfield School District, 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 FRIDAY, MAY 11, 2018, TO MAKE WRITTEN COMMENTS ABOUT THE PROJECT.

SCHRADERGROUP

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