

### **PUBLIC HEARING**

On the proposed

## Construction Of A New MANHEIM TOWNSHIP MIDDLE SCHOOL

To be held in the Auditorium of the Manheim Township Middle School

Located at 5134 School Road Lancaster, PA 17606

on

Tuesday, October 10, 2017 6:00 pm

### TABLE OF CONTENTS – EXHIBIT "B"

		Page <u>Number</u>
1.	AGENDA	3
2.	INTRODUCTION	4
3.	PROJECT NEED	5-7
4.	SUMMARY OF DISTRICT OWNED BUILDINGS AND LAND (A-09	9) <b>8</b>
5.	OPTIONS CONSIDERED	9-10
6.	PROJECT DESCRIPTION	11-12
7.	SITE PLAN AND FLOOR PLANS	13-15
8.	PROJECT ACCOUNTING BASED ON ESTIMATES (PLANCON D-02 and 03)	16-17
9.	OTHER DETAILED COSTS (PLANCON D-04)	18
10.	ACT 34 MAXIMUM BUILDING CONSTRUCTION COST (PLANCON D-20)	19
11.	ANALYSIS OF FINANCING ALTERNATIVES	20-28
12.	BOARD RESOLUTION OF MAXIMUM BUILDING CONSTRUCTION AND PROJECT COSTS / CERTIFICATE	29-31
13.	PUBLIC HEARING NOTICE	32

### **AGENDA**

1. CALL TO ORDER / INTRODUCTION Mark Anderson
Board President

2. HEARING, DULY CONSTITUTED

By

William C. McCarty
Solicitor: Barley Snyder

3. PURPOSE OF THE MEETING

(Need for the Project)

Dr. Robin Felty

**Superintendent of Schools** 

4. PROJECT DESCRIPTION

By Crabtree, Rohrbaugh & Associates

Anthony Colestock Project Manager

5. FINANCIAL ANALYSIS

By RBC Capital Markets

Ken Phillips

**Bond Underwriter** 

Lauren Stadel Bond Underwriter

**Scott Shearer** 

**PFM Financial Advisor** 

#### 6. PUBLIC COMMENT

Question and Answer Period

- A. Pre-registered speakers / comments
- B. Please raise hand, stand, and state name, address
- C. Each speaker may only provide testimony one time for a maximum of five minutes.

#### 7. ADJOURNMENT

### <u>INTRODUCTION</u>

The Board of School Directors of the Manheim Township School District, Lancaster, Pennsylvania is providing this opportunity to inform the public as to the School Board's consideration of a project to fully construct a new Manheim Township Middle School, located in Manheim Township, Lancaster County, Pennsylvania to replace the existing Manheim Township Middle School.

The project is in response to a district-wide review of physical facility and academic program needs for the middle school population.

This public hearing is being held in accordance with Act 34 of 1973 of the Commonwealth of Pennsylvania. The purpose is to have the District Administration, Architect and Financial Advisors present a proposal for the building wide renovation and new construction.

The specific purposes for this hearing are as follows:

- 1. Establish the **need** for the project by reviewing events leading to the Board's consideration to build a new middle school.
- 2. Review the various **options** considered by the Board prior to the decision to proceed with the current project proposal.
- 3. Describe the **construction elements** proposed to meet the educational program that serves as the basis for the project under consideration.
- 4. Present the estimated **construction cost**, the total project cost, indirect costs and the financial needs and estimate of the local tax impact of the project.
- 5. Provide citizens and residents an opportunity to offer **comments** and written testimony concerning the project.

Please feel free to participate during the comment period at the latter part of the presentation. An official transcript of the hearing is being recorded in order for the Board to consider and study your constructive comments, insights and observations.

### PROJECT NEED

The Manheim Township School District is located in Manheim Township, Lancaster County, Pennsylvania, geographically placed between Harrisburg and Philadelphia. The District encompasses approximately 23 square miles, and holds over 35,000 citizens – 27 percent of these households have children in the district. The academic programs for approximately 5,748 students are housed within six elementary schools (grades K-4), one intermediate school (grades 5-6), one middle school (grades 7-8), and one high school (grades 9-12). Enrollment has grown at a slow and steady pace over the past 24 years, with the average annual growth rate at 1.21%. Given the population growth within the local community, which currently has some new mixed-use developments in process, various neighborhood developments that are not yet at capacity, and several residential developments that have been and/or are anticipated for development, enrollment will continue to increase.

The vision statement for the Manheim Township School District holds that the District is committed to the achievement of each individual's potential by providing a nurturing learning community that provides safety and mutual respect, stimulates curiosity and creativity, promotes personal integrity, and encourages good citizenship. Furthermore, it provides a challenging learning environment that establishes high expectations and promotes individual achievement, encourages critical thinking and problem solving, inspires lifelong learning, provides opportunities for extracurricular experiences, facilitates collaborative communication, and embraces the richness of diversity. The District maintains its facilities to achieve the goals of the educational plan supporting the mission statement. At this time, the Manheim Township Middle School needs a new facility for students in grades 7 and 8 so an effective educational environment can be provided to its growing student population. Therefore, the District plans to implement a building project to replace the existing middle school. In order for students to learn in an appropriate educational setting, a new school is needed to better accommodate current and anticipated student population, offer comprehensive educational programming to all students, and address the infrastructure deficiencies of the building.

The Manheim Township Middle School was originally constructed in 1968 with a capacity to hold a maximum of 600 students, and addressed the basic educational needs of children during that time period. Over the past 50 years the school has not received any major renovations. Routine maintenance, repairs, and replacements occurred, as well as several capital projects consisting of roof restoration, new cooling system, and other building improvements in order to continue providing a facility to support the Districts educational programming.

The Board of School Directors has undergone a rigorous planning process with the understanding that the learning environment plays an essential role in providing effective educational opportunities for all students. The Board also acknowledges the need to provide such programming to students in the most cost effective manner. Based on this vision, the following timeline of events has occurred over the last two years:

### **Process Timeline:**

>	June 18, 2015 Remington, Vernick and Beach Engineers was hired to update the District-Wide Feasibility Study (DWFS).
May 2016	Updated DWFS publicly presented
>	October 13, 2016 District's ten-year plan publicly presented (developed with input from focus groups including staff, students and parents.
>	November 17, 2016 Remington, Vernick and Beach Engineers was hired to develop conceptual options and budget estimates.
>	February 2, 2017 Facility audit publicly presented along with proposed options
>	February 16, 2017 Issue a Request for Proposal for Architectural and Design Services to develop specifications and bidding documents.
>	February 23, 2017 School Board approves Option #8 for a Maximum Construction Cost of \$58,000,000 and a Maximum Project Cost of \$74,000,000

#### **Educational Program Deficiencies:**

- Building Capacity:
  - Original facility was designed for 600.
  - Current student population is 915.
- ➤ Limited Classroom space:
  - Ten teachers traveling on mobile carts between classrooms.
  - One Science Classroom shared for 7<sup>th</sup> and 8<sup>th</sup> grades
- Lack of adequate classroom spaces
  - Multiple classes needed to be held in the Auditorium
- > Inappropriate educational spaces
  - Classrooms in closets

- Lack of STEM (Science, Technology Education, Mathematics) learning environments
- Undersized physical education classroom and fitness areas
  - Students run in the hallways since space is limited in the gymnasium.
- Limited educational options for students with special needs
  - Building circulation and Classrooms are not handicapped accessible
  - Multiple Disabilities Support (MDS) students must stay in Landis Run Intermediate School due to lack of ADA compliance thus they are segregated from age appropriate peers for two years.
- Inadequate space in the administrative office and guidance counseling areas make parent meetings and confidential student counseling sessions difficult.

### **Facility Infrastructure Deficiencies:**

- ➤ No sprinkler system (facility does not meet current Life Safety requirements)
- > The entire facility needs to be brought up to current Accessibility Standards
  - Hardware
  - Toilet Rooms
  - Elevator
  - Stair Towers
  - Ramps
  - Handrails
- New HVAC system needed
- New Electrical system needed
- New Roof system needed
- Major Restroom renovations needed
  - Plumbing fixture counts need to be increased to meet current codes
- New Kitchen plumbing (fixtures and piping) is needed

### SUMMARY OF DISTRICT OWNED BUILDINGS AND LAND

DLALERON/CTC1		2000	Project		BUILDINGS AND LAND		10	radan:		
Manheim Township School Dis	trict				hip Middle School				_ 7	- 8
	1	PRES	ENT	- 7		1	LANNEL			1111
11	F2.	87	-84	#5	76	FT	#11.	19	£3.0	#11.
NAME OF BUILDING ON SITE IINCLODING DAD AND VACANT LAND) OWNED BY SUBSOL DISTRICT/CTC	CCRSTRUCTION AND/SS SENGVATION DATES SAID CREMING SAID	STTS SIDE (ACKES)	GRADE LEVELS	BUILDING FIE	CONVERSION / DISPOSITION AND FLANSHID COMPLETION DATE BAHED ON GPTION CHOSEN	1178 5115 (DERES)	CHANGE LEAVES	FLAMBIED WETTATTHE FTR	DOE FRONCIED GRADE LEVEL ENGOSLABET 10 YAMS DEFO THE CUTONE	THE ACHES
Brecht Elementary	1929, 56	9.87	K-4	350	Maintain	9.87	K-4	350		
Bucher Elemtary (DAO) Neff Elementary	80, 00 1972, 08 1940, 52, 62	17.1 149*	K-4 K-4		Maintain Maintain	17.1 142	K-4 K-4	700 350		
Nitrauer Elementary Reidenbaugh Elementary Schaffer Elementary	1965, 67, 92 1991 1936, 46, 56, 78	18.8 18 7.7	K-4 K-4 K-4	600	Maintain Maintain Maintain	18.8 18 7.7	K-4 K-4 K-4	575 600 475		
* Schools share 149 acre campus									INPUT APPROPRI PDE PROJ IN COL. SUBTOTAL	ATE ECTION #10,
Subtotal	XXXXXXXX	XXX	XXXX	3,050	XXXXXXXXXXXXXXXXXXX	XXX	XXXX	3,050		3,050
Landis Run Intermediate	2012	40	5-6	1,200	Maintain	40	5-6	1,200	INPUT APPROPRI PDE PROJ IN COL. SUBTOTAL	ATE ECTION #10,
Subtotal	XXXXXXXX	XXX	XXXX	1,200	XXXXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	1,200	BUBIUIAL	1,200
Middle School  * Schools share 149 acre campus	1986, 76	149*	7-8	1,178	New Middle School	142	7-8	1,463	INPUT APPROPRI PDE PROJ IN COL, SUBTOTAL	ATE ECTION #10,
Subtotal	XXXXXXXX	XXX	XXXX	1,178	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXX	XXXX	1,463		1,463
High School	1959, 66, 77, 79, 06	149*	9-12	2,074	Maintain	142	9-12	2,074	INPUT APPROPRI PDE PROJ IN COL. SUBTOTAL DESCRIPT	ATE ECTION #10, ION OF
* Schools share 149 acre campus									BOARD REQUIRED	ACTIONS BELOW
Subtotal	XXXXXXXX	XXX	XXXX	2,074	XXXXXXXXXXXXXXXXXXXX	XXX	XXXX	2,074		2,074
TOTAL	ID THE SCHOOL	O BE	TAKEN I	XPERIENC	TURE IF PROJECTIONS COME CES EXCESS OR INSUFFICIEN ROLLMENT (Col. 11) > + er - 30	TRUE		7,787		7,787
CHECK IF APPLICA	BLE:		57-01111		CO CHOISE ALTERNA					
		EXPA	ND PROG	RAMS OR	COURSE OFFERINGS					
		PROV	IDE SPA	CE FOR U	SE BY COMMUNITY GROUPS O	R SER	VICE A	RNCIES		
					DERGARTEN OR PRE-SCHOOL					
		REDU	CE CLAS	S SIZE						
		CLOS	в всноо	L(S)						

### <u>OPTIONS CONSIDERED</u>

In 2015-2016 the Manheim Township School District completed a District-Wide Facility Assessment Study that focused on the middle school. Various options and ideas were explored that culminated in the following options:

- Existing Manheim Township Middle School Renovations only
- Existing Manheim Township Middle School Additions and Renovations
- New Manheim Township Middle School

The details and cost estimates for these options are detailed in the District Wide Facility Study - "Preliminary Middle School Concept Planning" dated February 2, 2017.

#### **Option One**

Renovation Only

### **Option Two**

Additions and Renovations

#### **Option Three**

- Additions to Landis Run
- Renovations to Middle School

#### **Option Four**

New Middle School (3 story) attached to existing High School

#### **Option Five**

New Middle School (4 story) attached to existing High School

#### **Option Six**

New Middle School (3 story) located north of athletic fields

#### **Option Seven**

New Middle School (4 story) located north of athletic fields

#### **Option Eight**

New Middle School (2 story) located at west property line

#### **Option Nine**

New Middle School (3 story) located at west property line

The **Option Eight** – constructing a new two-story middle school on the west property line, was selected to manage the increased enrollment and need for additional capacity at the middle school level, provide effective educational programs, and address physical deficiencies.

### PROJECT DESCRIPTION

**Summary of Site** 

Site Size / Condition: 149 Acres (Campus Total) 23 Acres (Middle School portion)

Current Site Usage: R3 – Residential

Wetlands: None identified on Middle School Site

**Available Utilities:** Electricity, Sewer, Water, Gas Service **Proposed Community Use Areas:** Open Playfields

Parking Count: Estimated 248 spaces

**Safety Measures:** 

Separate Vehicular and Bus Drop-Off for Increased Safety Combined MS/HS Bus Drop-Off to decrease bus travel Combined MS/HS Vehicular Drop Off / Pick Up Area

Separate Loading Dock and Receiving Area

### **Summary of Proposed Building**

New 7-8 Facility with 1200 Student Capacity One and Two Level Masonry Structure Total Square Footage: Approximately 235,000 SF

### **Program Spaces include:**

General Classrooms, Science Classrooms, Special Education Classrooms, Art Rooms, Music Classrooms, Small Group Instruction, Media Center, Related Arts Labs, Gymnasium, Black Box Assembly Space, Administration Offices, Cafeteria, Food Court and Kitchen (all spaces meet PA Department of Education guidelines).

<u>Building Systems:</u> VAV HVAC system, Lighting and Lighting Control System, Plumbing, Fire Suppression System, Fire Protection Alarm, Emergency Lighting, Integrated Communications & Clock System.

<u>Building Codes:</u> The building will be designed under the following codes: 2009 IBC/PA UCC, ADA and NFPA

### **Project Description:**

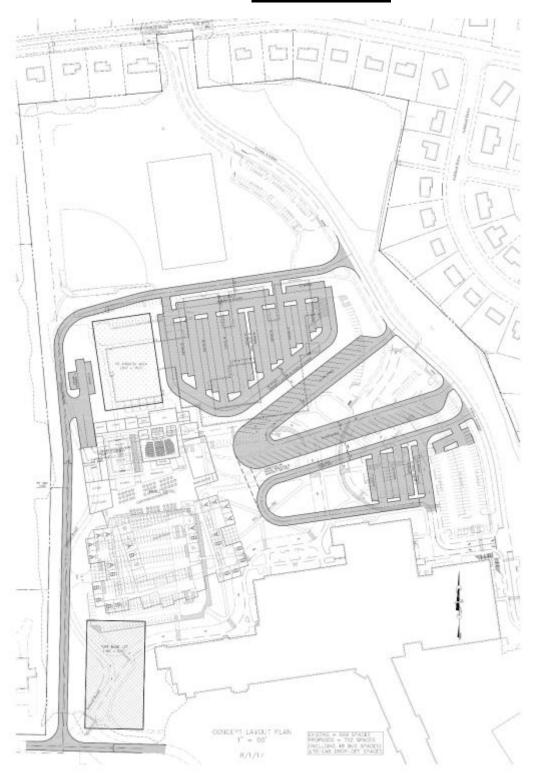
The facility is designed with a "Main Commons" Lobby which separates the large public spaces, such as the Gymnasium, Black Box Theater and Cafeteria/Food Court/Kitchen, from the academic spaces. Two Academic Wings, which connect to the Main Commons, will each house 7<sup>th</sup> and 8<sup>th</sup> grades. Each floor of the Academic Wing will consist of a "Main Street" which separates the conventional classrooms from the Team Clusters. Each Academic Wing has four Team Clusters, two on each floor, to accommodate the team teaching organization. By reducing the 1200 total capacity to smaller units it will promote student communities and opportunities for collaboration. The Team Clusters consists of four classrooms, a science classroom and a breakout/commons space used to organize a variety of group sizes. Support spaces for general classrooms are centrally located within the academic wings.

The entry vestibule design provides security card access control and requires all visitors to enter the building through the supervised Administration area.

The new site work includes separate bus and parent drop-off staging areas to avoid vehicular congestion. Each staging area will be shared between the High School and Middle School to enhance student safety. Staff, visitor and overflow parking will accommodate daily operations as well as evening events. School Road will be realigned and attached to Arena Avenue to achieve Campus connectivity. A service drive, isolated from the parking and staging areas, will avoid additional vehicular congestion.

While the new Middle School is being constructed the existing Middle School will remain in operation until June 2020, the end of the school year. At that time the existing Middle School will be vacated and demolished to finalize the site work. Students will relocate to the new Middle School starting in August of 2020.

### **SITE PLAN**



### **FLOOR PLANS**

### **NOT BEING SHARED DUE TO SECURITY**

### **FLOOR PLANS**

### **NOT BEING SHARED DUE TO SECURITY**

### PROJECT ACCOUNTING BASED ON ESTIMATES

HIM TO STATE OF THE STATE OF TH	ject Name:	till Ochool	Project	11
	anheim Township Mi			
***************************************	RES TO NEAREST		***************************************	
PROJECT COSTS		NEW	EXISTING	TOTAL
A. STRUCTURE COSTS (include site development)				10212027
1. General (Report costs for sanitary sewage dispo	sal on line E-l.)	35,420,219		35,420,219
2. Heating and Ventilating		7,200,000		7,200,000
<ol> <li>Plumbing (Report costs for senitary sewage disp</li> </ol>	osal on line E-1.)	3,360,000		3,360,000
4. Electrical		6,480,000		6,480,000
5. Asbestos Abatement (DO4, line C-3)		XXXXXX		
6. Building Purchase Amount		XXXXXX		
7. Other <u>*</u> (Exclude test borings and site survey) a.				
b.				
c.				
d.		+ +		
		+ +		
e. PlanCon-D-Add't Costs, Total		1		
A-1 to A-7 - Subtotal		52,460,219		52,460,219
8. Construction Insurance				
<ul> <li>Owner Controlled Insurance Program Structure Costs (Exclude asbestos abateme</li> </ul>				
purchase and other structure costs not cover	ed by the program)			
b. Builder's Risk Insurance (if not inc	cluded in primes)			
c. Construction Insurance - Total				
9, TOTAL-Structure Costs (A-1 to A-7-Subtot	al plus A-8-c)	52,460,219		52,460,219
B. ARCHITECT'S FEE				
1. Architect's/Engineer's Fee on Struct	ire	3,127,390		3,127,390
2. EPA-Certified Project Designer's		xxxxxx		
Fee on Asbestos Abatement		$x \times x \times x \times x$		
3. TOTAL - Architect's Fee		3,127,390		3,127,390
C. MOVABLE FIXTURES AND EQUIPMENT				
1. Movable Fixtures and Equipment		2,606,400		2.606,400
2, Architect's Fee			- 1	
3. TOTAL - Movable Fixtures & Equipment		2,606,400		2.606,400
D. STRUCTURE COSTS, ARCHITECT'S FEE,				414441744
MOVABLE FIXTURES & EQUIPMENT -		58,194,009		58,194,009
TOTAL (A-9 plus B-3 and C-3)			- 1	
E. SITE COSTS				
1. Sanitary Sewage Disposal				
<ol> <li>Sanitary Sewage Disposal Tap-In Fee a Capacity Charges</li> </ol>	and/or	50,000		50,000
3. Owner Controlled Insurance Program/Bu	uilder's Risk	00,000		00,000
Insurance on Sanitary Sewage Disp	osal			
4. Architect's/Engineer's Fee for Sanitary Sewage Disposal				
5. Site Acquisition Costs		1	xxxxx	
a. Gross Amount Due from Settlement S	tatement		X X X X X X	
or Estimated Just Compensation			x x x x x x	
b. Real Estate Appraisal Fees			xxxxxx	
c. Other Related Site Acquisition Cos	ts		XXXXXX	
d. Site Acquisition Costs - Total			xxxxx	
6. TOTAL - Site Costs		50,000		50,000
F. STRUCTURE COSTS, ARCHITECT'S FEE,		1		
MOVABLE FIXTURES & EQUIPMENT, AND		58,244,009		58,244,009
SITE COSTS - TOTAL (D plus E-6)		8 6		

REVISED JULY 1, 2010 FORM EXPIRES 6-30-12 PLANCON-D02

Manhala		Project Name:	fiddle Cohe-1	Project #1	
Manhein	n Township School District	Manheim Township M			
		ROUND FIGURES TO	NEAREST DOLLAR		<u> </u>
	r COSTS (CONT.)	1 too			TOTAL
G. ADDI	TIONAL CONSTRUCTION-REI				
1.	Project Supervision (in			vision)	
2.	Construction Manager Fe			*	350,000
3.	Total Demolition of Ent to Prepare Project Site				
	AHERA Clearance Air Mor				
	on Asbestos Abatement	(Exclude costs for	partial demolitic	n.)	1,832,736
4.	Architectural Printing			01.00	25,000
5.	Test Borings				9,860
6.	Site Survey				
7.	Other (attach schedule	if needed)			
	a				
	b. PlanCon-D-Add't Cost	s, Total			1,492,507
8.	Contingency				2.170.918
9.	TOTAL - Additional Cons	struction-Related C	osts		5.881.021
	ANCING COSTS	BOND ISSUE/NOTE	BOND ISSUE/NOTE	BOND ISSUE/NOTE	XXXXXX
	THIS PROJECT ONLY	SERIES OF 2019	SERIES OF 2020	SERIES OF	XXXXX
1.	Underwriter Fees	250,000	250,000		500,000
2.	Legal Fees	50,000	50,000		100,000
3.	Financial Advisor	50,000	50,000		100,000
	Bond Insurance				
5.	Paying Agent/Trustee	2.000	2.000		4.000
6	Fees and Expenses	2,000	2,000		4,000
	Capitalized Interest Printing	8.000	8.000		16,000
	CUSIP & Rating Fees	20.000	20.000		40,000
	Other	20,000	20,000		40,000
2.	a . SEC Compliance	5,000	5.000		10.000
		-	1000000		16575766
	b . Advertising/PDE	7,485	7,485		14,970
10.	TOTAL-Financing Costs	392,485	392,485		784,970
I. TOTA	L PROJECT COSTS (F plus	G-9 plus H-10)			64,910,000
REVENUI	E SOURCES	BOND ISSUE/NOTE SERIES OF 2019	BOND ISSUE/NOTE SERIES OF2020	BOND ISSUE/NOTE SERIES OF	TOTAL
	NT FINANCED THIS PROJECT ONLY	32,205,000	32,205,000		64,410,000
	SINAL ISSUE DISCOUNT/	VE,E00,000	02,200,000		01,110,000
PREM	IIUM FOR THIS PROJECT ONLY				
	REST EARNINGS THIS PROJECT ONLY	250,000	250,000		500,000
M. BUIL	DING INSURANCE RECEIVED	6			
N. PROC	EEDS FROM SALE OF BUILD	ING OR LAND			
O. LOCA	L FUNDS - CASH (SEE INS	TRUCTIONS)			
P. OTHE	R FUNDS (ATTACH SCHEDUL	E)			3
O TOTA	L REVENUE SOURCES				64,910,000

REVISED JULY 1, 2010 FORM EXPIRES 6-30-12 PLANCON-D03

### **OTHER DETAILED COSTS**

	DETAILED COSTS				
Manheim Township School District	Project. Name: Manheim Township Middle	School		Project #:	
Walliett Totalon Calour District	Wallion Township Wildele		BATOMING	momar	
A CITE DEVELOPMENT COCTO		NEW	EXISTING	TOTAL	
A. SITE DEVELOPMENT COSTS (exclude Sanitary Sewage Disposal)					
1. General (include Rough Grading to Re	ceive Building)	5,050,000		5,050,000	
2. Heating and Ventilating					
3. Plumbing					
4. Electrical					
5. Other:					
6. Other:					
7. A-1 thru A-6 - Subtotal	5,050,000		5,050,000		
8. Construction Insurance					
<ul> <li>a. Owner Controlled Insurance P on Site Development Costs</li> </ul>	rogram				
b. Builder's Risk Insurance (if	not included in primes)				
c. Construction Insurance - Sub	total				
9. Site Development Costs - Total	5,050,000		5,050,000		
B. ARCHITECT'S FEE ON SITE DEVELOPMEN	T	182,900		182,900	
		- 101 - 101		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 F	EE ON ASBESTOS				
ABATEMENT (DO2, LINE B-2)					
E. ROOF REPLACEMENT/REPAIR					
1. Roof Replacement Repair					
2. Owner Controlled Insurance Prog	ram on Roof Replaceme	nt/Repair			
3. Builder's Risk Insurance (if no	t included in primes)				
4. Roof Replacement/Repair - Total					
F. ARCHITECT'S FEE ON ROOF REPLACEMEN	T/REPAIR				

REVISED JULY 1, 2010 FORM EXPIRES 6-30-12 PLANCON-D04

### **ACT 34 MAXIMUM BUILDING CONSTRUCTION** COST

Manheim Township School District Manheim Township Middle Sc	chool	Project #1
Act 34 applies only to costs for new construct do not address the costs for alterations to expression, costs associated with the existing standard not be included in the following calculations.	xisting structur ructure and othe	es. For this
A. STRUCTURE COST, ARCHITECT'S FEE, MOVABLE FIXTU AND EQUIPMENT (D02, line D-NEW)	URES	\$ 58,194,009
3. EXCLUDABLE COSTS FOR NEW CONSTRUCTION		THE FIGURE ON
1. Site Development Costs (DO4, line A-7-NEW)	\$ 5,050,000	NOT BE ADOPTE
<ol><li>Architect's Fees on the above excludable costs</li></ol>	s <u>182,900</u>	BY THE BOARD.
<ol> <li>Vocational Projects Only - Movable Fixtures &amp; Equipment (D02, line C-3-NEW)</li> </ol>	\$	,
4. Total Excludable Costs (B-1 plus B-2 and B-3)		\$ 5,232,900
.ACT 34 MAXIMUM BUILDING CONSTRUCTION COST		
THE BOARD MUST ADOPT THE LINE C BEFORE SCHEDULING ACT 34 HEARING.	The state of the s	\$ 52,961,109
IF THE MAXIMUM BUILDING CONSTRUCTION COST BASE TO OR GREATER THAN THE MAXIMUM BUILDING CONSTR ESTIMATES PLUS EIGHT PERCENT (LINE D), A SECON BE REQUIRED BEFORE ENTERING INTO CONTRACTS AND ON ANY PLANNED WORK.	RUCTION COST BAS ND PUBLIC HEARIN	ED ON G WILL
	RE ON LINE D	\$ 57,197,998

REVISED JULY 1, 2010 FORM EXPIRES 6-30-12

PLANCON-D20

### **ANALYSIS OF FINANCING ALTERNATIVES**

We have analyzed several alternative methods of financing the construction of a new Middle School (the "Project"). We have also estimated the direct costs of financing, all as required by Department of Education regulations issued November 4, 1978.

#### Analysis of Alternatives

The alternatives of financing which we examined are:

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

Analysis of the School District's recent financial statements and of the financing projections in connection with this Project indicated that a short-term bank loan was not feasible.

We also analyzed the remaining alternatives which would require the School District to incur long-term debt. For each alternative we estimated a bond issue and average annual debt service. Financing costs for each were slightly different due to the nature of the issue structure and entity issuing the debt. These costs are presented on the attached Table I.

Based on these estimates, at this time the least costly alternative for financing the capital projects is through the use of General Obligation Bond Issues. This alternative also offers the School District the advantage of increased flexibility and control over the construction of the project, structure of the Bond Issue, lower interest rates through the general obligation issue, investment of Bond Proceeds and more favorable refunding provisions. The School District anticipates funding the Project with a proposed Series of 2019 general obligation bond issue and a proposed Series of 2020 general obligation bond issue.

#### STATE REIMBURSEMENT

The State reimburses a School District for a portion of the principal and interest which the School District pays each year on its 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 or CARF ratio. Current estimates by the Architect indicate that the Project will have a net effective reimbursement of approximately 4.52% for both the 2019 general obligations bonds and the 2020 general obligation bonds after taking into consideration the School District's 2017/18 Market Value Aid Ratio of 38.34%. Therefore, for each dollar paid by the School District toward principal and interest, the state will reimburse the School District approximately 4.52 cents for the Project. *There can be no assurances that the State* 

will pay reimbursement to the District. The financial analysis for this Act 34 Hearing assumes no reimbursement and the debt is 100% local effort.

#### TABLE I

### Manheim Township School District Comparison of Various Methods of Financing Middle School

<u>Costs</u>	General Obligation	Local <u>Authority</u>	<u>SPSBA</u>
Costs of Construction: Middle School (1)	64,125,030	64,125,030	64,125,030
Financing Costs: (2) Bond Discount Legal Fees Financial Advisor Printing & Miscellaneous Rating & CUSIP Compliance/PDE Filing Paying Agent	500,000 100,000 100,000 16,000 40,000 24,970 4,000	530,000 125,000 100,000 18,000 55,000 27,000 6,000	520,000 120,000 100,000 18,000 55,000 27,000 6,000
Total Requirements	64,910,000	64,986,030	64,971,030
Less: Interest Earned (3)	500,000	506,030	501,030
Size of Bond Issue(s)	64,410,000	64,480,000(4)	64,470,000(5)

- (1) Includes total Project Costs for Project appearing on PLANCON D-02, Line F; Contingency Fund Allowances and funds for Project Management occurring on PLANCON D-03, Line G-9.
- (2) Financing Costs are estimates based upon recent averages and fees realized from bond issues sold in the municipal market.
- (3) Interest earnings on construction funds being available from investments based upon approximate payout schedule and possible use for millage phase-in.
- (4) A local authority would have annual administrative expenses, which have not been included in these calculations and also higher rates due to revenue bond issue.
- (5) SPSBA average annual payment is calculated assuming higher interest rates for a general obligation bond issue as compared to rates for a revenue bond issue.

### **Debt Service and Millage Impact**

Table IIA and IIB is a summary of the projected debt service and approximate millage impact anticipated by the completion of the Project. The School District is funding the Project with a proposed Series of 2019 general obligation bond issue and a proposed Series of 2020 general obligation bond issue, both in a wrap-around debt structure.

It is anticipated that the required funds for the School District's share of debt service requirements will be derived from using a phase-in of new mills and the budget surplus in the early years of these new mills and, in later years, using existing debt related mills currently in the budget which become available as previous bond issues are retired. Table IIB illustrates one option for the District to phase-in the new millage requirements from the issuance of the new debt. The District will continue to study phase-in options throughout the financing process to reflect final bid costs and interest rates.

Based upon an estimated future value of 1 collected mill being \$3,250,000 beginning in 2018/19 fiscal year, a summary millage impact and debt service analysis is shown on Tables IIA. The supporting bond amortization schedules are shown as attachments.

#### Table IIA

Average Annual <u>Debt Service (1)</u>	Net Debt Service After State <u>Reimbursement (2)</u>	Mills Required for Direct Debt	Total Mills Required for Direct and Indirect Costs
\$8,045,070	\$8,045,070	2.48 Mills 0.54 Mills (3)	2.48 Mills 0.54 Mills (3)(4)

- 1. Average annual share from Fiscal Total column totals on attached debt service schedules assuming a level debt average. (The Project will require 100% of the total \$32,205,000 Series of 2019 Bond issue and 100% of the total \$32,205,000 Series of 2020 Bond issue calculated as total principal and interest which includes a 1% interest rate contingency for a total of \$92,518,307/11.5 avg. years equals average annual debt of \$8,045,070 if structured as a level debt financing). PLEASE NOTE: Per the attached wrap around debt schedules the average annual debt service is less the first seven/nine years of the debt structures and greater the last four/three years of the structures, respectively for the proposed 2019 and 2020 bond structures. This wrap-around structure minimizes the new millage requirements required for the Project to .54 mills)
- 2. Assumes a zero project reimbursement for the Bonds.

- 3. Table IIB attached to show the millage impact of the wrap-around debt structure for the proposed Series of 2019 and Series of 2020 Bonds.
- 4. The breakdown of Indirect Costs follows the discussion on the Direct Costs.

#### BOND DEBT SERVICE

### Manheim Township School District Proposed GO Bonds, Series of 2019 - 32.205MM Wraparound - Act 34

Annual Debt Service	Debt Service	Interest	Coupon	Principal	Period Ending
	651,173.25	651,173.25			09/01/2019
	711,173.25	651,173.25	2.460%	60,000	03/01/2020
1,362,346.50					06/30/2020
	650,435.25	650,435.25			09/01/2020
	655,435.25	650,435.25	2.660%	5,000	03/01/2021
1,305,870.50					06/30/2021
	650,368.75	650,368.75			09/01/2021
	670,368.75	650,368.75	2.860%	20,000	03/01/2022
1,320,737.50					06/30/2022
	650,082.75	650,082.75			09/01/2022
	670,082.75	650,082.75	3.040%	20,000	03/01/2023
1,320,165.50	1975 50 414 \$440 945 540 1 116111	accept compensation		and the second	06/30/2023
	649,778.75	649,778.75			09/01/2023
	669,778.75	649,778.75	3.230%	20,000	03/01/2024
1,319,557.50	(2000) SEC. 250-00-00-00-00-00-00-00-00-00-00-00-00-0			3020 0200	06/30/2024
	649,455.75	649,455.75			09/01/2024
	669,455.75	649,455.75	3.460%	20,000	03/01/2025
1,318,911.50				1814.000	06/30/2025
	649,109.75	649,109.75			09/01/2025
	674,109.75	649,109.75	3.640%	25,000	03/01/2026
1,323,219.50	MC.			7,50	06/30/2026
	648,654.75	648,654.75			09/01/2026
	5,278,654.75	648,654.75	3.800%	4,630,000	03/01/2027
5,927,309.50				1111 125	06/30/2027
	560,684.75	560,684.75			09/01/2027
	10,630,684.75	560,684.75	3.970%	10,070,000	03/01/2028
11,191,369.50					06/30/2028
100	360,795.25	360,795.25			09/01/2028
	12,040,795.25	360,795.25	4.130%	11,680,000	03/01/2029
12,401,590.50		~n.n.n.ko.n.mo	1,1110,500,000		06/30/2029
	119,603.25	119,603.25			09/01/2029
	5,774,603.25	119,603.25	4.230%	5,655,000	03/01/2030
5,894,206.50	TALL XTTUTT				06/30/2030
44,685,284.50	44,685,284.50	12,480,284.50		32,205,000	

#### BOND DEBT SERVICE

### Manheim Township School District Proposed GO Bonds, Series of 2020 - 32.205MM Wraparound - Act 34

Annual Debt Service	Debt Service	Interest	Coupon	Principal	Period Ending
	698,020.25	698,020.25		— . —	09/01/2020
	708,020.25	698,020.25	2.660%	10,000	03/01/2021
1,406,040.50					06/30/2021
20 (1)	697,887.25	697,887.25			09/01/2021
	707,887.25	697,887.25	2.860%	10,000	03/01/2022
1,405,774.50					06/30/2022
	697,744.25	697,744.25			09/01/2022
	707,744.25	697,744.25	3.040%	10,000	03/01/2023
1,405,488.50					06/30/2023
	697,592.25	697,592.25			09/01/2023
	712,592.25	697,592.25	3.230%	15,000	03/01/2024
1,410,184.50				EN CROSSES	06/30/2024
500 F 100 100 F1 A150 F1 F1	697,350.00	697,350.00			09/01/2024
	712,350.00	697,350.00	3.460%	15,000	03/01/2025
1,409,700.00				1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	06/30/2025
STATE OF STATE OF STATE OF	697,090.50	697,090.50			09/01/2025
	712,090.50	697,090.50	3.640%	15,000	03/01/2026
1,409,181.00		55			06/30/2026
	696,817.50	696,817.50			09/01/2026
	706,817.50	696,817.50	3.800%	10,000	03/01/2027
1,403,635.00	**************************************			A	06/30/2027
	696,627.50	696,627.50			09/01/2027
	706,627.50	696,627.50	3.970%	10,000	03/01/2028
1,403,255.00	000000	\$179.000 <b>\$</b> 1,000 \$100.000		•	06/30/2028
	696,429.00	696,429.00			09/01/2028
	706,429.00	696,429.00	4.130%	10,000	03/01/2029
1,402,858.00	5) 5-5 <b>5</b> (0.055)/55/50				06/30/2029
	696,222.50	696,222.50			09/01/2029
	7,211,222.50	696,222.50	4.230%	6,515,000	03/01/2030
7,907,445.00					06/30/2030
	558,430.25	558,430.25			09/01/2030
	13,243,430.25	558,430.25	4.330%	12,685,000	03/01/2031
13,801,860.50	120-246-518-5-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-				06/30/2031
1280 00 00 00 00 00 00 00 00 00 00 00 00 0	283,800.00	283,800.00			09/01/2031
	13,183,800.00	283,800.00	4.400%	12,900,000	03/01/2032
13,467,600.00					06/30/2032
47,833,022.50	47,833,022.50	15,628,022.50		32,205,000	

# Prepared by RBC Capital Markets

#### **Manheim Township School District ACT 34 PUBLIC HEARING New Construction** of the **Manheim Township Middle School**

# Manheim Township School District

Millage Requirement Study

Proposed Series of 2019 (\$32.205 Million) and Series of 2020 (\$32.205 Million)

Schedule IIB

5,404 \$64.410 Million Financing - Act 34 Study School District Funds for 7-Year Millage Phase-in 5,604 346,167 13,809,90 Surplus (Deficit) Appropriated 12,998,968 13,249,218 13,509,218 13,769,218 14,029,218 14,289,218 14,289,218 14,289,218 14,289,218 14,289,218 14,289,218 14,289,218 14,289,218 14,289,218 Dollars 4.40 4.40 4.40 4.40 4.00 4.08 4.24 4.40 4.40 4.40 4.40 Mills in Place 0.070 0.080 0.000 0.000 0.000 0.000 0.000 0.077 0.080 0.080 0.080 0.000 0.000 0.000 0.000 0.537 Equivalent Mills 4.39 0.15 4.24 4.39 4.39 Required 3.96 4.40 4.40 Mills Total 3,250,000 3,250,000 Value of 3 150 000 250,000 3,250,000 3,250,000 3,250,000 3,250,000 3,250,000 3,250,000 3,250,000 3,250,000 3,250,000 3,250,000 3,250,000 3,250,000 13,509,218 13,769,218 14,283,982 14,283,614 14,283,814 14,281,129 12,874,310 14,029,218 14,281,392 14,281,552 14,280,996 479.311 206,201,522 1,656,332 14,280,513 13,943,051 1,683,871 Net in 1,535,870 509,943 773,724 252.203 SD Reserves Earnings/ Interest Less: 1,403,255 47,833,023 1,405,489 1,410,185 1,403,635 7,907,445 1,406,041 1,405,775 1,409,700 1,409,181 1,402,858 13,801,861 Series of 2020 13,467,600 \$32,205,000 44,685,285 Series of 2019 1,362,347 1,320,738 1,320,166 1,319,558 1,318,912 5,927,310 1,305,871 1,323,220 11,191,370 12,401,591 \$32,205,000 Outstanding 11,656,332 11,511,963 11,571,031 11,552,649 11,554,240 11,555,002 11,551,414 6,950,448 479,692 115,219,085 11,555,767 476,681 478,861 475,451 479.311 11,683,87 1.686.37 Total Ne 2026 Total 2019 2020 2021 2023 2025 2032 2018 2022 2024 2027 2029 2031 2028 2033 Ending Year

(1) Annual Net Debt Service for Service of 2010, 2012, 2013, 2014, 2014 FRN, 2011 Swap, 2015 Bonds, 2016 Bank Loan and 2017 Bank Loan. (2) Proposed Series 2019, \$32,205,000 dated March 1, 2019. Avg. Coupon 4.06% (current rates + 1% contingency). Local Effort 100%

(3) Proposed Series 2020, \$32,205,000 dated March 1, 2020. Avg. Coupon 4.34% (current rates + 1% contingency). Local Effort 100%

(6) FY2017-18 collect mill is worth \$3,150,000 and rises in FY2018-19 to \$3,250,000 due to projected assessment grown in District. (9) Assumes District currently funded to approximately \$12,158,000 (FY 2016-2017) for annual NET debt service.

(11) Annual surpluses could be used for capital project costs to reduce final borrowing amount or to phase in mills

#### ANNUAL INDIRECT COSTS ESTIMATED FOR THE MIDDLE SCHOOL PROJECT

The estimates below reflect the annual Indirect Costs related to the new Middle School (the "Project") associated with services to be provided to accomplish long range objectives of the School District. All costs are based on utilization of the facility beginning with the 2019-2020 school year.

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

Support Personnel	\$45,000
Custodial Supplies	\$3,000
Fuel/Utilities	\$29,000
Insurance Premium	\$ <u>3,000</u>

Total Estimated Annual Indirect Costs \$80,000

#### SUMMARY OF INDIRECT COSTS

Estimated Cost Increases \$80,000 Estimated Value of One Mill (2019-2020) \$3,250,000

Total Indirect Cost in Mill Equivalents 0.025

#### SUMMARY OF DIRECT AND INDIRECT COSTS

With the uncertainty of the State reimbursement (PlanCon) process, the District is not pursuing state reimbursement at this time. In the event the project would be eligible for PlanCon, the District may pursue state reimbursement.

Assuming zero State reimbursement the total millage equivalent of both direct and indirect cost is summarized below:

Debt Service Millage Impact Using Wrap-Around Debt Structure	0.537
Indirect Cost Millage Impact	0.025

Total Millage Increase 0.562 Mills

### BOARD RESOLUTION MAXIMUM BUILDING and PROJECT COSTS

ADOPTING MAXIMUM PROJECT COSTS AND MAXIMUM BUILDING
CONSTRUCTION COSTS FOR THE CONSTRUCTION OF A
NEW MIDDLE SCHOOL, AND
AUTHORIZING OTHER ACTION IN CONNECTION THEREWITH

WHEREAS, the Public School Code of 1949, as amended by Act 34, approved June 27, 1973 (the "Act"), requires, among other things, that a public hearing be held prior to the construction of new buildings, additions or the substantial renovation of existing buildings; and

WHEREAS, the Manheim Township School District (the "District") has determined to undertake the construction of a new Middle School referred to herein as the "Project"; and

WHEREAS, the Board of School Directors of the District proposes to adopt a maximum project cost and maximum building construction cost for the Project; and

WHEREAS, the Board of School Directors of the District intends to conduct a public hearing to inform the residents of the District with respect to the Project.

#### NOW, THEREFORE, BE IT RESOLVED THAT:

- 1. The Board of School Directors of the District hereby adopts a Maximum Project Cost of \$64,910,000 and an Act 34 Maximum Building Construction Cost of \$52,961,109 for the Project.
- 2. The Board of School Directors of the District hereby authorizes and directs a public hearing to be held in accordance with the requirements of the Act on Tuesday, October 10, 2017, at 6:00 p.m. in the Auditorium of the Manheim Township Middle School to provide information to the residents of the District with respect to the Project. The Secretary of the District is hereby authorized and directed to cause a notice of such public hearing to be published once in the LNP News, such publication to appear not later than Wednesday, September 20, 2017, not less than 20 days prior to the date of the public hearing stated above. A copy of such notice is attached hereto as <a href="Exhibit "A" and made a part hereof.">Exhibit "A"</a> and made a part hereof.
- 3. The Board of School Directors of the District hereby approves the description of the Project and related material attached hereto as <a href="Exhibit">Exhibit "B"</a> which has been prepared in accordance with the requirements of the Act, and further authorizes the use and distribution thereof as required by the Act, including the availability thereof to the public not later than September 20, 2017.

- 4. The Board of School Directors of the District hereby authorizes and directs the proper officers of the District to submit to the Pennsylvania Department of Education (the "Department") a certified copy of this Resolution, together with a copy of the minutes or transcript of the aforementioned public hearing, a proof of publication of the notice thereof and a complete description of the Project, all as required by the Act, as well as any other documents required by the Department in connection therewith.
- 5. The Board of School Directors of the District hereby authorizes and directs its (i) administrative staff; (ii) Bond Counsel William C. McCarty Esquire; Barley Snyder; (iii) Solicitor Robert M. Frankhouser, Esquire; Barley Snyder; (iv) Architect Crabtree, Rohrbaugh & Associates, and (v) Financial Advisor The RBC Capital Markets, to do and perform or cause to be done and performed on behalf of the District any and all acts and things as may be necessary in connection with the Project in order to carry out the purposes of the Act and this Resolution.
- 6. The proper officers of the District are hereby authorized and directed to execute any and all papers and to do and cause to be done any and all acts and things necessary or proper for the execution or carrying out of this Resolution.
- 7. All resolutions or parts of resolutions inconsistent herewith be and the same are hereby rescinded, canceled and annulled.

I, the undersigned Secretary of the Manheim Township School District, DO HEREBY CERTIFY that the foregoing is a true and correct copy of a Resolution duly adopted by the affirmative vote of a majority of the members of the Board of School Directors of the District at a public meeting held on September 14, 2017; that proper notice of such meeting was duly given as required by law; and the said Resolution has been duly entered upon the Minutes of said Board, showing how each member voted thereon.

IN WITNESS WHEREOF, I have hereunto set my signature as such official and affixed the seal of Manheim Township School District this 14<sup>th</sup> day of September, 2017.

	Jennifer Davidson, Board Secretary	
	Date	
QEAL1		

[SEAL]

### **CERTIFICATE**

I, the undersigned, Secretary of the Manheim Township School District, Lancaster County, Pennsylvania (the "District"), certify: that the foregoing is a true and correct copy of a Resolution which was duly adopted by affirmative vote of a majority of all members of the Board of School Directors of the District duly convened and held according to law on September 14, 2017, at which meeting a quorum was present; that said Resolution has been duly recorded in the Minutes of the Board of School Directors of the District; and that said Resolution is in full force and effect without amendment, alteration or repeal, as of the date of this Certificate.

I further certify that the Board of School Directors of the District met the advance notice requirements of the Sunshine Act, Act No. 1986-84 of the General Assembly of the Commonwealth of Pennsylvania, approved July 3, 1986, as amended, and supplemented by advertising said meeting and by posting prominently a notice of said meeting at the principal office of the 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 Manheim Township School District, this 14<sup>th</sup> day of September, 2017.

Jennifer Davidson, Board Secretary

[SEAL]

### **PUBLIC HEARING NOTICE – EXHIBIT "A"**

Please take notice that a public hearing will be held in the Auditorium of the Manheim Township Middle School, located at 5134 School Road, Lancaster, PA, on Tuesday, October 10, 2017, for the proposed Manheim Township Middle School, starting at 6:00 p.m. The purpose of this hearing is to review all relevant matters relating to the construction and equipping of the proposed Manheim Township Middle School.

A description of the Project, including facts relative to educational, physical, administrative, budgetary and fiscal matters of the Project, will be presented and will be available for consideration at this public hearing, and, beginning Wednesday, September 20, 2017 a description booklet for the Project will be available during regular business hours at the Manheim Township District Administration Office located at 450A Candlewyck Road, Lancaster, PA 17601.

The Board of School Directors of the Manheim Township School District by resolution duly adopted has authorized the following maximum project cost and maximum building construction cost in connection with the Project:

#### **Manheim Township Middle School**

Act 34 Maximum Building Construction Cost \$52,961,109 (Structure Cost, Design Fees, Movable Fixtures and Equipment, LESS Site Costs)

Other Project Costs \$11,948,891 (Site Costs and remaining Project 'Soft' Costs)

Maximum Project Cost \$64,910,000

The public hearing is being held pursuant to the requirements of PA 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.

Any and all interested parties may attend and be heard at the public hearing. Interested parties that want to be placed on the public hearing agenda may submit their names to the District Office (address listed above) until 12:00 noon on Thursday, October 5, 2017. Each speaker may only provide testimony one time for a maximum of five minutes. Additional testimony will be received from the floor at the hearing. Each speaker may only provide testimony one time for a maximum of five minutes.

Additional comments regarding these projects will be received by the School Board Secretary until 12:00 noon on Thursday, November 9, 2017.