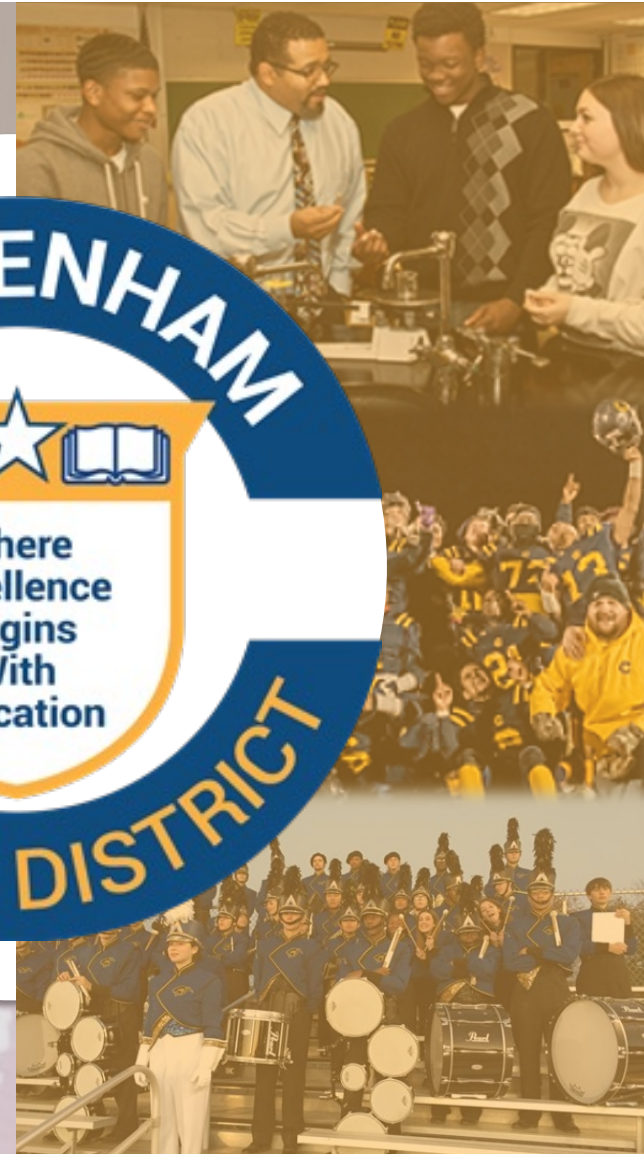


Cheltenham School District

Facilities Capacity and Program Study

February 6th, 2024

kcb Architects



Design Team



KCBA – Architecture / Interiors / Structural Design

Snyder Hoffman – MEP Engineering

Re:Vision – Sustainability Consulting

**CAPACITY &
CURRICULUM**



kcbA
Architects

SECURITY



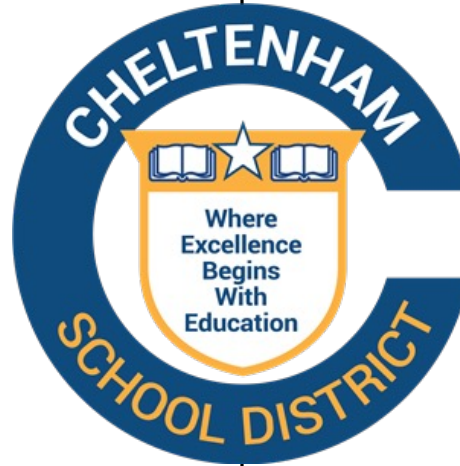
CODE COMPLIANCE



EFFICIENCY



OPERATIONAL



EDUCATIONAL

FLEXIBILITY



ATHLETICS



BUILDING SYSTEMS



COMFORT



COMMUNITY

Background

CSD recently completed a long-term program to modernize educational facilities.

This is demonstrated by several recent major projects including:

New Buildings



Cheltenham Elementary



Glenside Elementary



Wyncote Elementary

Reconstruction



Cedarbrook Middle

Renovation



Myers Elementary

This modernization project still left several critical facilities issues.

District “Road Map”

1. **District Study & Elkins Park Replacement**
2. High School Infrastructure Upgrades
3. District Administration Building
4. High School Athletic Complex

District Study

A Collaborative Process...

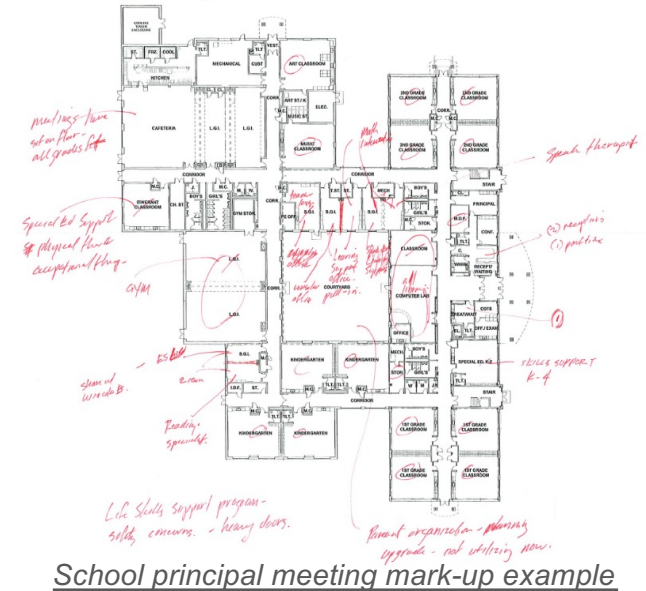
March 27, 2023 – Met with CSD decision-makers

April 3-6 – Visited & evaluated all CSD buildings

April 10-28 – Met with all CSD school principals, gathered & analyzed data (enrollment, capacity, space use)

May - Aug – Developed options, met with CSD administration, and provided recommendations

Fall 2023 – Further discussions to review best options





COMMUNITY

What we've learned...

- Existing Elkins Park building should be replaced
- Current student capacity of other schools unable to accept 5th and 6th grade students (700 students)
- Mont Co. projects growth in K-5 over next 10 years
- Cedarbrook could expand to accommodate 6th graders
- Glenside could expand to accommodate some 5th graders
- Other elementary schools more difficult to expand
- District-wide Early Learning Center could replace EP



Architects



COMMUNITY

Three pathways to consider:

1. Maintain Elkins Park 5-6 center. Renovate or build new.
2. Close EP. Expand Cedarbrook to 6-8. Move 5th grade back into the elementary schools.
3. Close EP. Expand Cedarbrook to 6-8. Build new Early Learning Center to accommodate youngest students.

ELKINS PARK SCHOOL

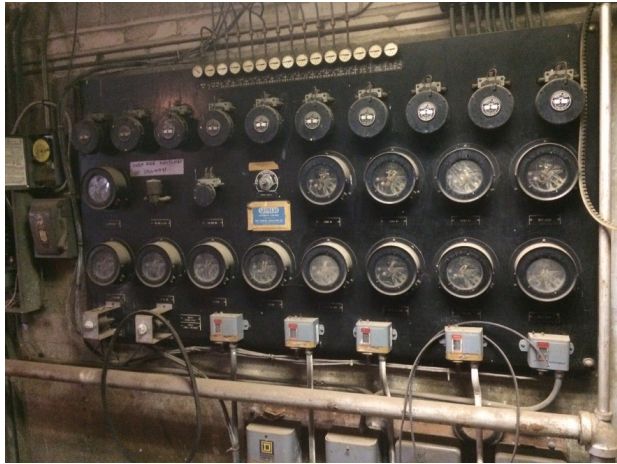
Age: Built in 1954, Addit. in 1991

Grades: 5 & 6

Size: 124,400 SF (two stories)

Condition: **Poor**

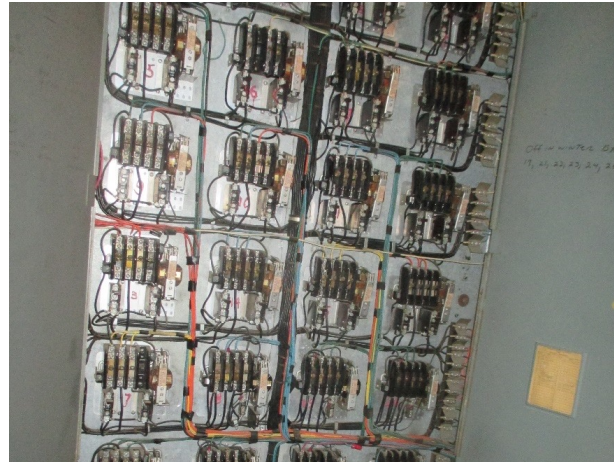




- **No Secure Entry Vestibule**
Does not meet security guidelines & no direct link to administration
- **Poor Floor Condition**
Asbestos tile cracks evident
- **Cracked Interior Walls**
- **Poor Equipment Conditions**
Casework, gym equipment, auditorium seats, and library furniture
- **Non-Code Conforming**
Accessibility and life safety
- **Antiquated Building Systems**
Mechanical, electrical, and plumbing systems require major upgrade/replacement

Elkins Park School

Highlights of Identified Issues



Elkins Park School

Highlights of Identified Issues

- **Site Concerns**

- Poor paving condition, no raised loading dock, inadequate stormwater management

- **Old Athletic Facilities**

- Poor condition of cinder track and sports fields

- **Cracking Exterior Masonry**

- Deteriorated and allows water to penetrate the building interior

- **Original Windows**

- Single-pane windows are in bad shape and very inefficient

- **Expired Roofing Systems**

- Exceeded their life expectancy and do not meet current energy requirements



- **Improved Configuration**
To support grades 5 – 6 programming
- **Classroom Quality**
Equal size, flexibility, and quality – no basement classrooms
- **STEM / Art / Science Spaces**
For hands-on curriculum
- **Athletics Program**
Improved and flexible athletic program and spaces
- **Assembly Space**
Large space needed for assemblies and large group instruction
- **Achieve ADA Accessibility**

Elkins Park School

Identified Needs

If Elkins Park School Remains...



Continue facing maintenance issues with the antiquated building, even if significant renovations took place.



Continue operating at high cost due to the inefficient and degraded condition of the building.



Risk exposing occupants to unhealthy air quality & toxic degrading building materials, such as asbestos.



Students remain in undersized, underequipped learning environments.

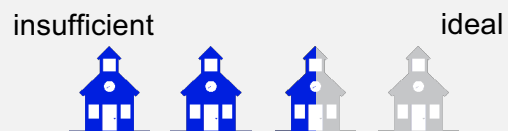
If Elkins Park School Remains...

Renovate

Re-Construct



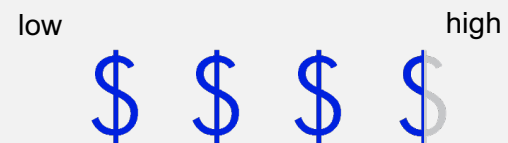
Educational Environments



Operational Priorities



Impact During Construction

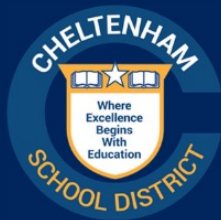


Project Cost



Cheltenham School District Enrollment Projections

2022-23 Update



Prepared by the Montgomery County Planning Commission

Past 10 years

Year	Grade K-4	Grade 5-6	Grade 7-8	Grade 9-12	Total K-12	Number Change from Previous Year
2013-14	1,702	709	677	1,473	4,561	58
2014-15	1,729	685	685	1,466	4,565	4
2015-16	1,768	683	718	1,366	4,535	-30
2016-17	1,765	723	692	1,438	4,618	83
2017-18	1,731	734	698	1,365	4,528	-90
2018-19	1,585	733	675	1,285	4,278	-250
2019-20	1,721	833	818	1,554	4,926	648
2020-21	1,612	737	818	1,507	4,673	-253
2021-22	1,607	727	802	1,579	4,715	42
2022-23	1,550	670	728	1,544	4,493	-222

Next 10 years

School Year	Grade K-4	Grade 5-6	Grade 7-8	Grade 9-12	Total	Annual Change
2023-24	1,607	641	703	1,532	4,483	-9
2024-25	1,635	628	672	1,520	4,455	-29
2025-26	1,669	655	645	1,480	4,449	-6
2026-27	1,704	657	633	1,393	4,388	-61
2027-28	1,731	668	661	1,343	4,403	15
2028-29	1,724	703	660	1,298	4,385	-18
2029-30	1,728	718	667	1,296	4,408	23
2030-31	1,726	713	702	1,280	4,420	12
2031-32	1,726	717	717	1,311	4,470	50
2032-33	1,726	715	712	1,347	4,499	29

**+6 Students
Over 10 yrs.**

Enrollment Study

Provided by Montgomery County Planning Commission

Cheltenham School District
Enrollment Projections

2022-23 Update



Prepared by the Montgomery County Planning Commission

	<i>Primary Students (K-8th)</i>	<i>Secondary Students (9th-12th)</i>
<i>Past 10 years</i>		
2022-23	2948	1532
	TOTAL = 4493	
<i>Next 10 years</i>		
2032-33	3153	1347
	TOTAL = 4499	








Conclusions:

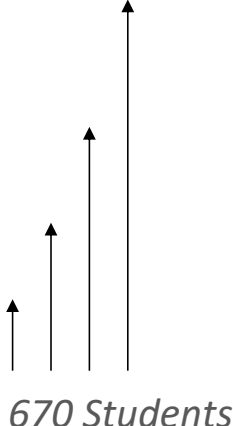
- District enrollment remains consistent
- Growth expected in primary schools

Enrollment Study

Provided by Montgomery County Planning Commission

District Enrollment vs. Capacity








Grades		2022 –'23 Enrollment	Capacity	% full
K – 4	 Cheltenham Elem.	401	575	70%
	 Glenside Elem.	408	525	77%
	 Myers Elem.	299	450	66%
	 Wyncote Elem.	359	525	68%
5 – 6	 Elkins Park	670	900	74%
7 – 8	 Cedarbrook Middle	728	1,050	69%
9 – 12	 Cheltenham High	1,544	2,125	72%

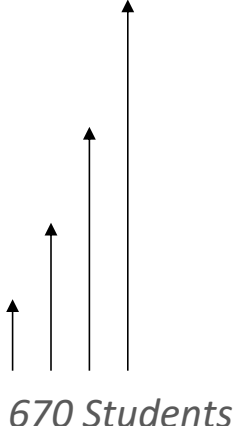


670 Students

Enrollment numbers provided by the [Montgomery County Planning Commission](#)

District Enrollment vs. Capacity








Grades		2022 –'23 Enrollment	Capacity	% full
K – 6	 Cheltenham Elem.	584	575	102%
	 Glenside Elem.	594	525	113%
	 Myers Elem.	436	450	97%
	 Wyncote Elem.	523	525	100%
	 Elkins Park			
7 – 8	 Cedarbrook Middle	728	1,050	69%
9 – 12	 Cheltenham High	1,544	2,125	72%

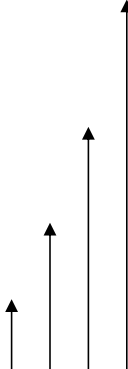


670 Students


Enrollment numbers provided by the [Montgomery County Planning Commission](#)

District Enrollment vs. Capacity

Grades		2022 –'23 Enrollment	Capacity	% full
K – 5	 Cheltenham Elem.	497	575	86%
	 Glenside Elem.	501	525	95%
	 Myers Elem.	371	450	82%
	 Wyncote Elem.	440	525	83%
	 Elkins Park			
6 – 8	 <i>*Expanded...</i> Cedarbrook Middle	1063	1,250	85%
9 – 12	 Cheltenham High	1,544	2,125	72%




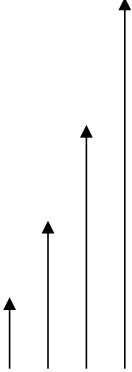






335 5th Graders



335 6th Graders

Enrollment numbers provided by the [Montgomery County Planning Commission](#)

District Enrollment vs. Capacity

Grades		2022 –'33 Enrollment	Capacity	% full		
K – 5		Cheltenham Elem.	582	575	101%	
		Glenside Elem.	562	525	107%	
		Myers Elem.	437	450	97%	
		Wyncote Elem.	498	525	95%	
		Elkins Park				335 5 th Graders
6 – 8		*Expanded... Cedarbrook Middle	1069	1,250	86%	335 6 th Graders
9 – 12		Cheltenham High	1,347	2,125	64%	

Enrollment numbers provided by the [Montgomery County Planning Commission](#)

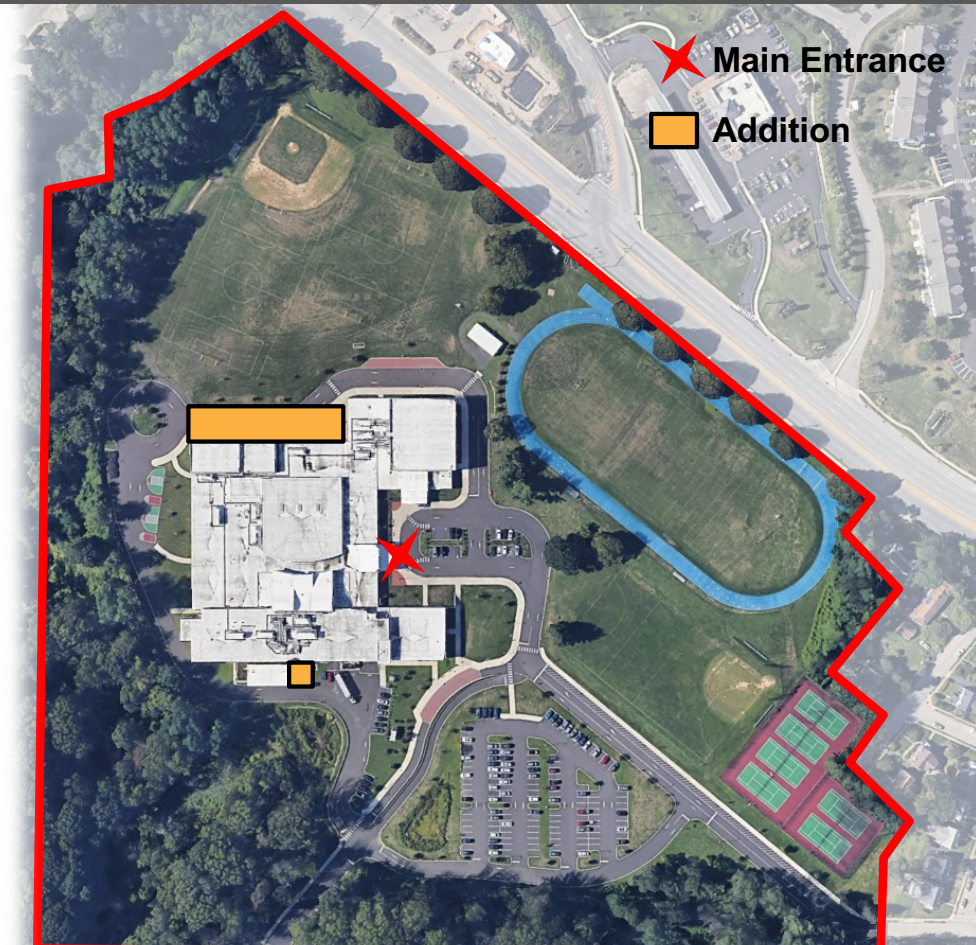
CEDARBROOK MIDDLE SCHOOL

Age: Re-constructed in 2018

Grades: 7 & 8

Size: 159,500 SF (3 stories)

Condition: Good





Required work at Cedarbrook Middle School

To hold grades 6 – 8:

10-12 new classrooms will be required
24,000sf addition

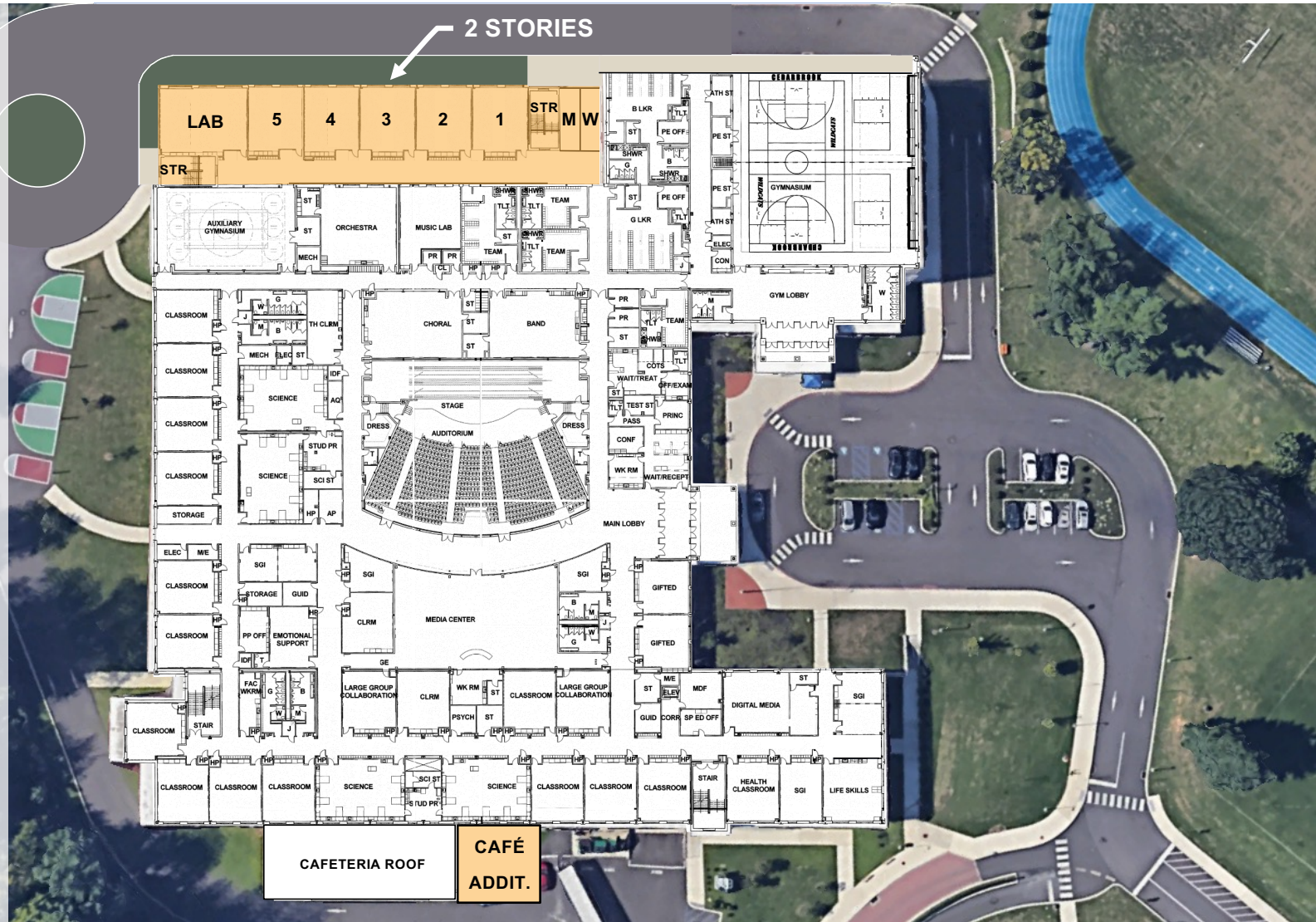
A cafeteria expansion also required (2,000sf)

Concerns

Very little space to increase parking

Cost

Building \$15.9 mil
Total Project \$19.8 mil



GLENSIDE ELEMENTARY SCHOOL

Age: Built in 2011

Grades: K - 4

Size: 68,862 SF (two stories)

Condition: Good



Required work at Glenside Elementary School

To hold grades K – 5:
As projected in 2032-2033

6 new classrooms
13,000sf addition

Concerns

Very little space to
increase parking

Cost

Building \$7.2 mil
Total Project **\$9.0 mil**



Required work at Glenside Elementary School

To hold grades K – 5:
As projected in 2032-2033

14 new classrooms
21,000sf addition

Concerns

Very little space to
increase parking

Cost

Building \$11.9 mil
Total Project **\$14.9 mil**



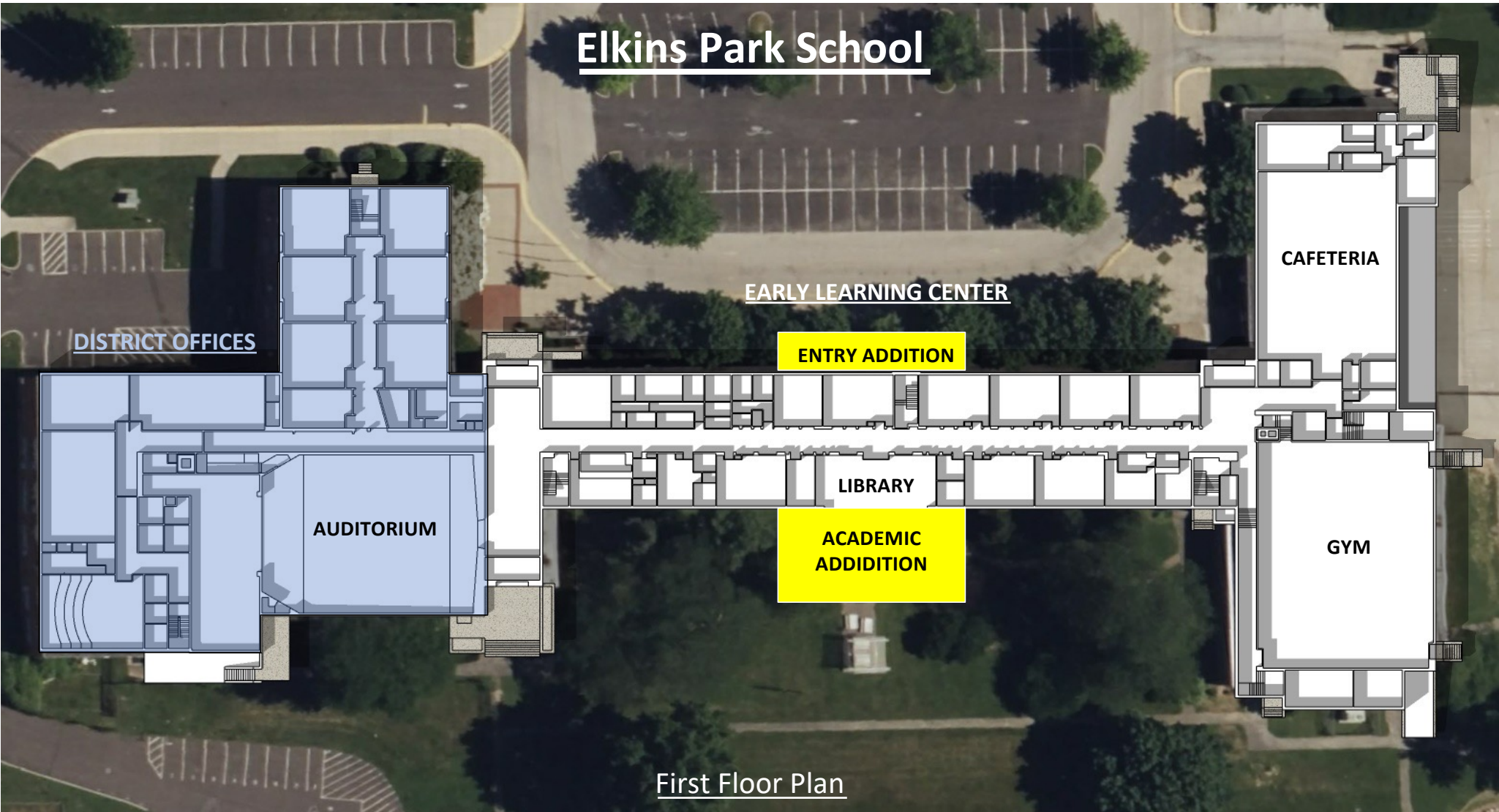
ELKINS PARK SCHOOL

Options:

1. Renovate (116,000sf)
 - \$44.6m total project
2. Renovate and Expand
 - \$49.1m total project
3. Replace in kind (120,000sf)
 - \$80.9m total project
4. Replace smaller (77,000sf)
 - \$53.0m total project



Elkins Park School



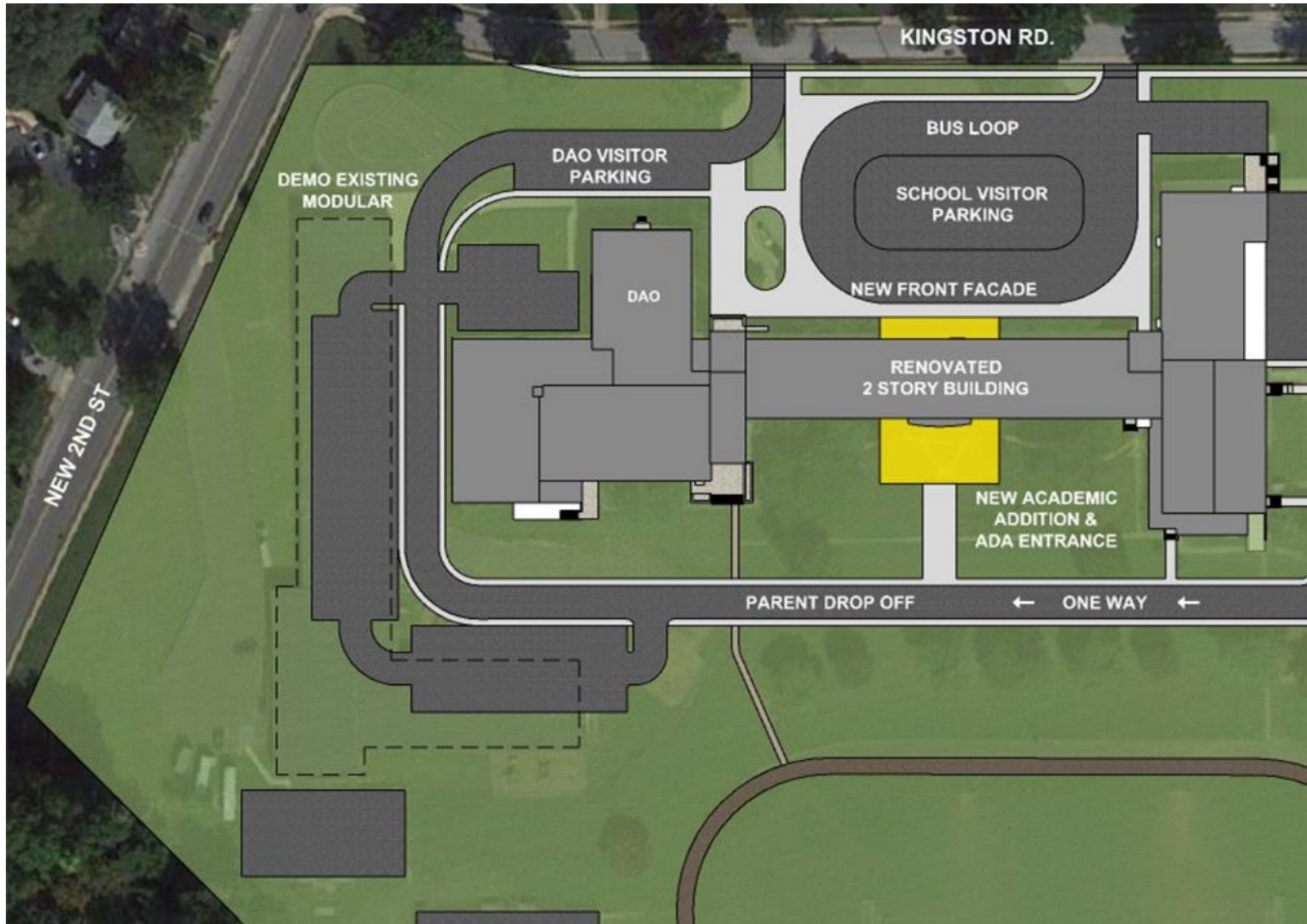
First Floor Plan

Elkins Park School



Second Floor Plan





Elkins Park Early Learning Center + District Office

To hold PreK and K:

Concerns

High cost to renovate

Cost

Building	\$40.1 mil
Total Project	\$49.1 mil

Lynnewood Elementary School
School District of Haverford Township



New Early Learning Center

77,000sf

To hold PreK and K:

Concerns

Act 34 Limitations

Cost

Building	\$44.5 mil
Total Project	\$53.0 mil

District “Road Map”

1. District Study & Elkins Park Replacement
- 2. High School Infrastructure Upgrades**
3. District Administration Building
4. High School Athletic Complex

CHELTENHAM HIGH SCHOOL

Age: Built in 1958, Addit. in 2000

Grades: 9-12

Size: 315,880 SF (two stories)

Condition: Fair/Poor





- **Site Concerns**
Poor paving, sidewalk and curbing conditions
- **Stormwater System**
Site stormwater and sanitary sewer systems in need of repair
- **Cracking Exterior Masonry**
Deteriorated masonry is presenting safety concerns
- **Expired Roofing Systems**
Exceeded life expectancy and in very poor condition



Cheltenham High School

Highlights of Identified Issues



Cheltenham High School

Highlights of Identified Issues

- **Learning Environment**
Most academic spaces do not have air conditioning and have a poor thermal envelope
- **Poor Floor & Wall Condition**
The floor in many areas needs replacement and some masonry walls have significant cracks
- **Poor Equipment Conditions**
Casework, gym equipment, auditorium seats, and library furniture
- **Non-Code Conforming**
Accessibility and life safety
- **Antiquated Building Systems**
Mechanical, electrical, data, and plumbing systems require major upgrade/replacement

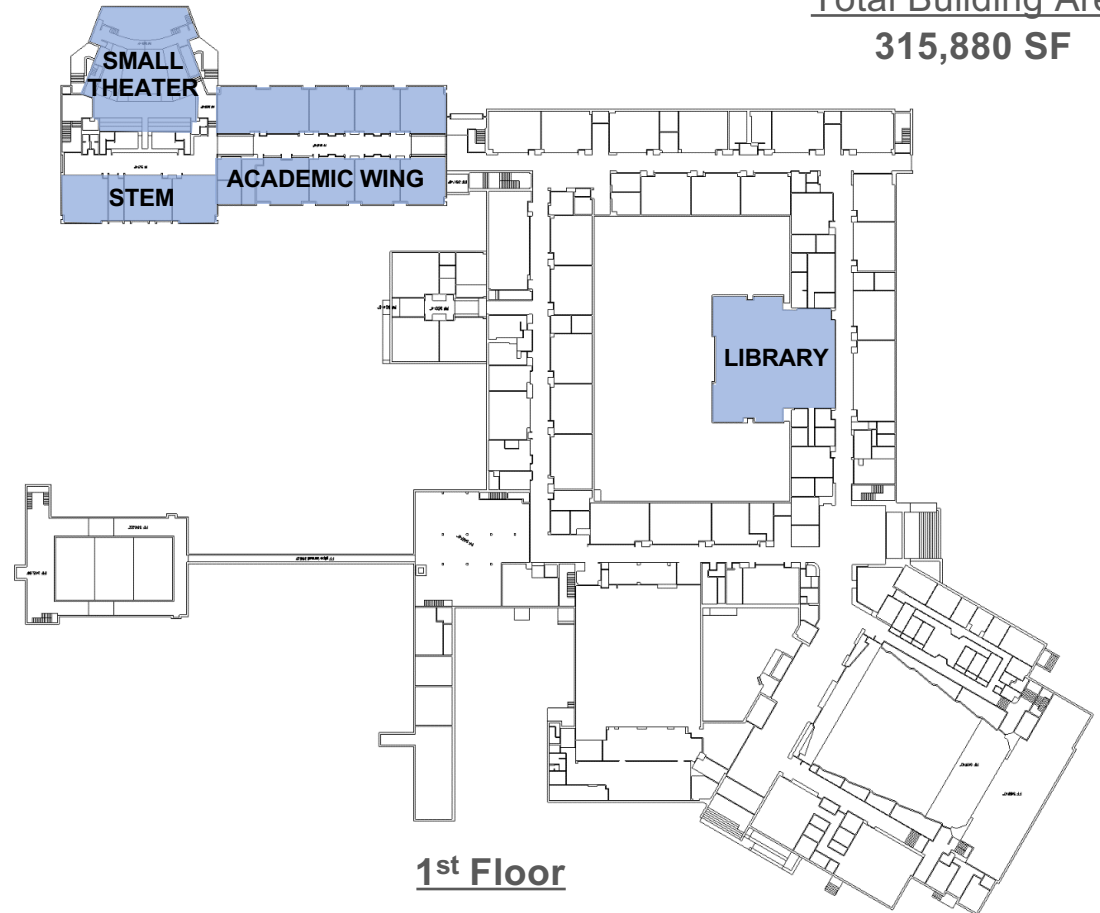
Cheltenham High School Infrastructure Upgrades

Total Building Area
315,880 SF

Areas with Air Conditioning

- **Library** 8,100 SF
- **STEM Center** 3,220 SF
- **Small Theater** 6,320 SF
- **Academic Wing** 22,580 SF
- **Gymnasium** 18,860 SF
- **Aux Gym** 2,750 SF
- **Pool** 6,920 SF

Total Air-Conditioned Space
68,750 SF



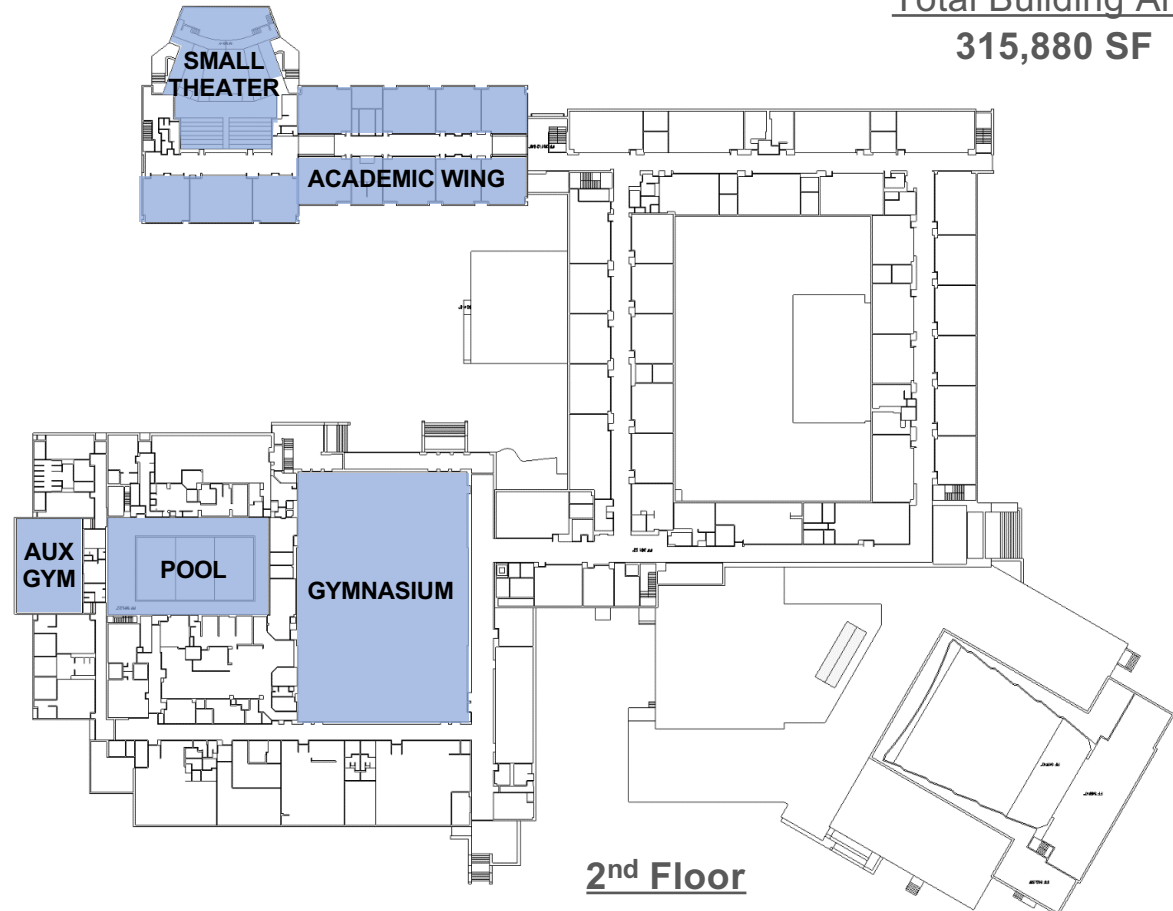
Cheltenham High School Infrastructure Upgrades

Total Building Area
315,880 SF

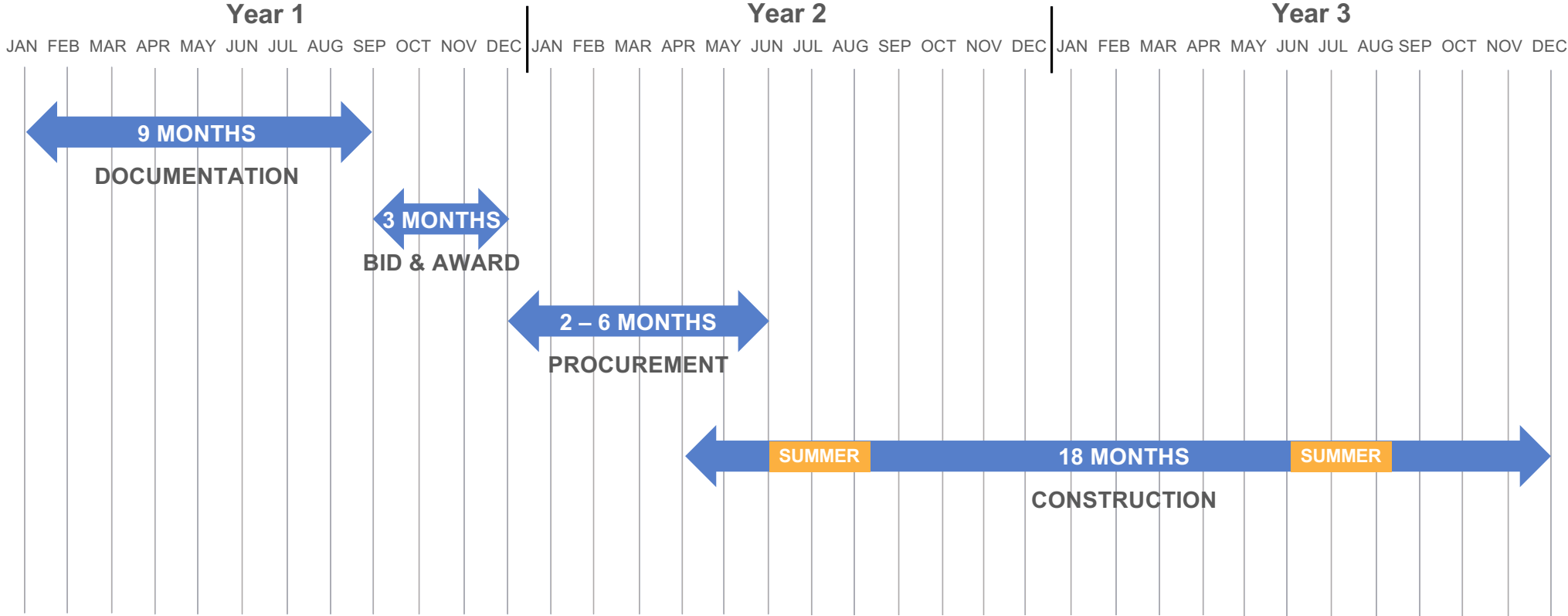
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- **Pool** 6,920 SF

Total Air-Conditioned Space
68,750 SF



Cheltenham High School Infrastructure Upgrades



District “Road Map”

1. District Study & Elkins Park Replacement
2. High School Infrastructure Upgrades
- 3. District Administration Building**
4. High School Athletic Complex

DISTRICT ADMINISTRATION BUILDING

Age - Built in 1951

Size - 38,340 sq. ft. (two stories)

Site - 4.9 acres

Condition: Fair / Poor





- Site paving, sidewalks, and curbs are in poor condition; stormwater system in need of upgrades
- The roof, building exterior, and windows are in poor condition
- Building does not meet current safety and accessibility standards
- Some interior flooring, ceilings, casework, doors, and window shades are in poor condition
- Mechanical, electrical, and plumbing systems have exceeded their life expectancy

District Administration Building

Highlights of Identified Issues

Program Analysis

	Current SF	Proposed NSF	Remarks	No. of staff
Office of the Superintendent (111)				
Superintendent Office	430	400		
Administrative Assistant	185	150		
Storage	100	100		
Subtotal	715	650		
Assistant Superintendent (110)				
Assistant Superintendent	400	250		
Secretary	325	150		
Copy/Storage	150	50		
Subtotal	875	450		
Office of Special Education (105)				
Supervisor of Spec Ed (Autistic Support)	400	250		
Supervisor of Spec Ed (Primary)	230	250		
Supervisor of Spec Ed (Secondary)	230	250		
Storage	100	100		
Subtotal	960	850		
Director of Special Education (112)				
Director of Special Education	400	250		
Secretary	225	150		
Secretary	225	150		
Storage	50	50		
Subtotal	900	600		
Department of Innovation (107)				
Director of S.T.E.M.	280	250		
Supervisor of Gifted Ed & Prof Learning	210	250		
Administrative Assistant	185	150		
Office	185	150		
Storage	0	50		
Subtotal	860	850		
Office of Education (108)				
Director of Secondary Education	400	250		
Administrative Assistant	230	150		
Data Systems Specialist	230	200		
Storage	0	50		
Subtotal	860	650		

Office of Student Services (109 & 100)				
Director of Student Services	280	250		1
Administrative Assistant to Director	210	150		1
Child Accounting Specialist	185	200		1
Office	185	150		1
Storage	0	50		0
Home and School Visitor (Elementary)	150	150		1
Home and School Visitor (Secondary)	150	150		1
Subtotal	1,160	1,100		6

Office of Communications & Development				
Director of Communications	290	250		
Server Room	80	100		
Subtotal	370	350		

Director of Business Affairs (115)				
Director of Business Services	480	250		
Administrative Assistant	360	150		
Subtotal	840	400		

Office of Business Services (121 & 123)				
Accounting Specialist	400	200		
Accounts Payable Clerk	230	200		
Office	230	150		
Server Room	200	200		
Storage	130	100		
Assistant Director of Business Services	430	200		
Payroll Specialist	215	200		
Office	215	150		
Storage	0	0		
Subtotal	2,050	1,400		

Human Resources (117)				
Director of Human Resources	400	250		
Human Resources Specialist	230	200		
Human Resources Coordinator	230	150		
Storage	0	200	Many file cabin	
Subtotal	860	800		

Transportation Department (124)				
Supervisor of Transportation	150	150	No Desk	
Transportation Specialist	150	150	No Desk	
Subtotal	300	300		

Office of Facilities & Maintenance (125)				
Director of Facilities & Maintenance	470	250		1
Assistant Director of Facilities & Maintenance	190	200		1
Custodial Supervisor	190	150		1
Administrative Assistant	220	150		1
Storage	300	300		0
Subtotal	1,370	1,050		4

Director of Food Services (128)				
Director of Food Services	190	200		1
Assistant Director of Food Services	190	150		1
Storage	0	0		0
Subtotal	380	350		2

Board Room				
Board Room	2,950	2,000		0
Subtotal	2,950	2,000		0

Conference Room (119)				
Conference Room	745	500		0
Subtotal	745	500		0

Copy & Work Room (120)				
Copy & Work Room	730	300		0
Subtotal	730	300		0

Multi-Purpose / Meeting Room (102)				
Multi-Purpose Room	1,040	400		0
Storage	160	50		0
Subtotal	1,200	450		0

Innovation Lab (101)				
Innovation Lab	1,200		Empty- uncertain use of space	0
Storage	0			0
Subtotal	1,200			0

Building Maintenance				
Maintenance (126)	365			0
Senior HVAC Tech	915			0
Old Wood Shop Room	1775			0
Supplies	1,430			0
Subtotal	4485			0

District Administration Building Program Analysis

Program Summary

	Current NSF	Proposed NSF		
Office of the Superintendent	715	650		2
Assistant Superintendent	875	450		2
Office of Special Education	960	850		3
Director of Special Education	900	600		3
Department of Innovation	860	850		4
Office of Education	860	650		3
Office of Student Services	1,160	1,100		6
Office of Comms & Development	370	350		1
Director of Business Affairs	840	400		2
Office of Business Services	2,050	1,400		6
Human Resources	860	800		3
Transportation Department	300	300		2
Office of Facilities & Maintenance	1,370	1,050		4
Director of Food Services	380	350		2
Board Room	2,950	0	←	0
Conference Room	745	500		0
Copy & Work Room	730	300		0
Multi-purpose / Meeting Room	1,200	0		0
Innovation Lab	1,200	0		0
Building Maintenance	4,485	0		0
Total Program Space	23,810	10,600		
Gross Building Factor & Circulation (30%)		3,180		
TOTAL	38,340	13,780		43

Board Room not included

District Administration Building Program Analysis

Existing building area = 38,340
Recommended area = 13,780

DISTRICT ADMINISTRATION BUILDING

- Option 1 **Renovate Existing**
38,340sf @ \$225/sf = \$12.7m
- Option 2 **Rent Space**
- Option 3 **Renovate portion of existing school into DAO**
*13,500sf @ \$250/sf = \$3.4m
- Option 4 **Additional cost to build as part of new school**
*13,500sf @ \$475/sf = \$6.4m

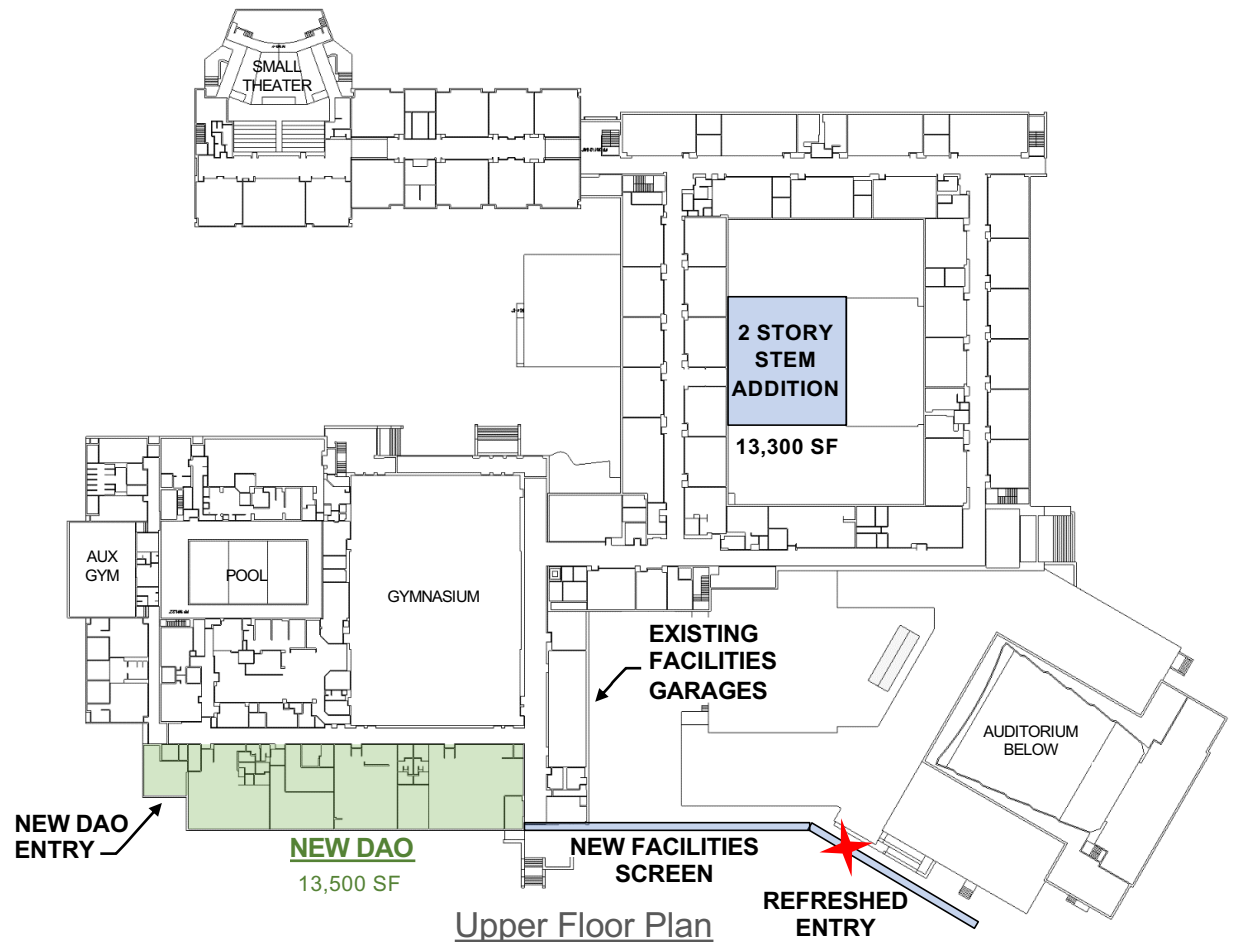
*In addition to base project



Cheltenham High School

District Administration Offices

- District admin offices moves to **shop classrooms** -
 - Facilities garages nearby
 - Away from academics
 - Remote Board Room
- New **two-story STEM addition** -
 - Shop curriculum moves
- Opportunity for integrating a facilities garage screen and a refreshed entry façade
- Estimated cost = \$15.2m





Architects



COMMUNITY

Recommendations:

1. Build 6th grade addition at middle school
2. Build small classroom addition at Glenside
-Removes need for Elkins Park building
3. Plan for future Early Learning or New Elementary School at Elkins Park
4. Move district office into high school. Build STEM addition to replace spaces. Renovate remaining high school over time.

District “Road Map”

1. District Study & Elkins Park Replacement
2. High School Infrastructure Upgrades
3. District Administration Building
4. **High School Athletic Complex**

Cheltenham High School

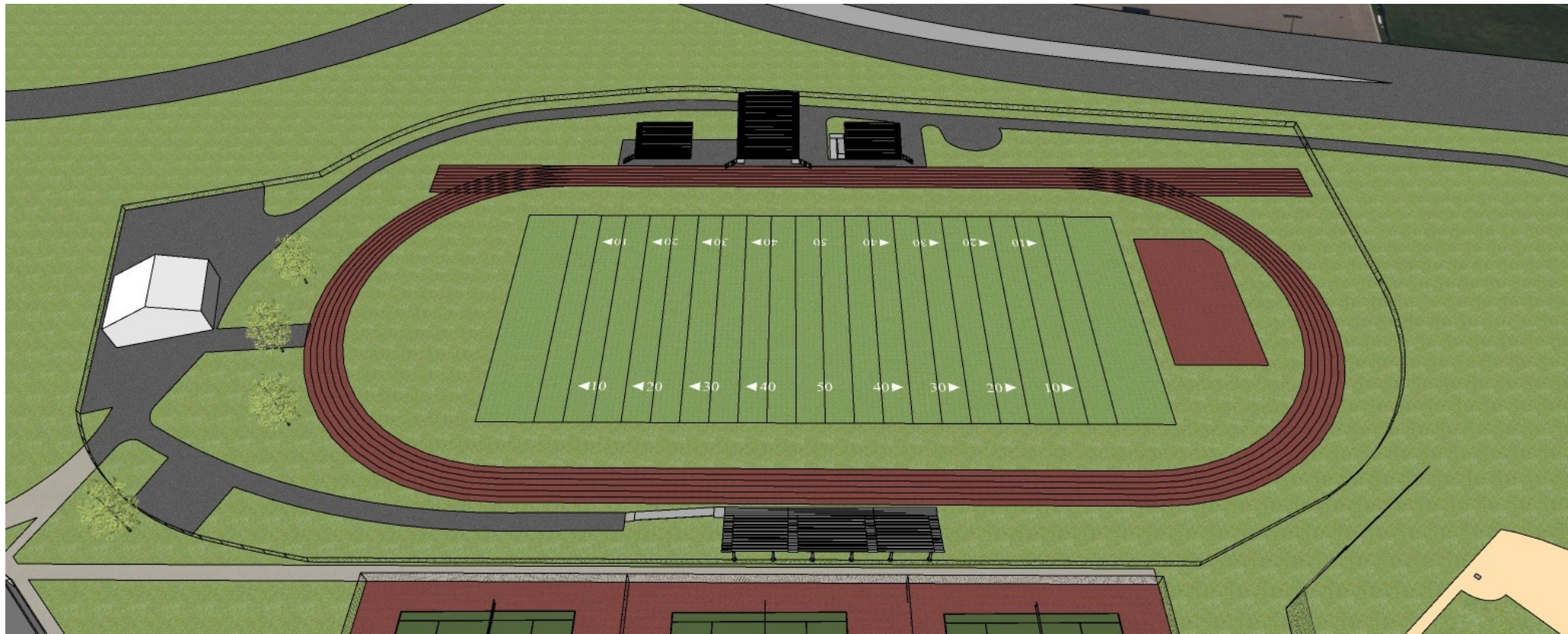
Existing Athletic Stadium



- Grass football field in poor condition
- Cinder track well beyond its useful life
- Severely undersized grandstands
- Very few toilet rooms for spectators

Cheltenham High School

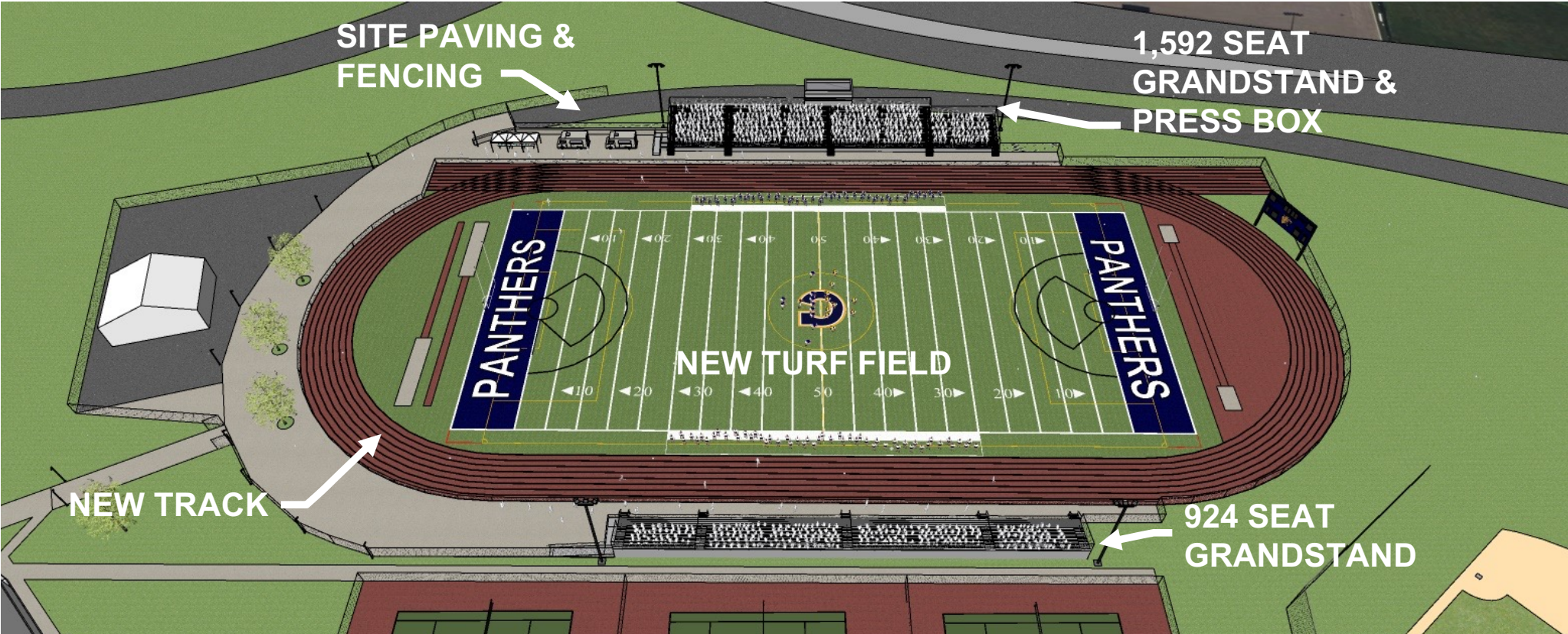
Existing Athletic Stadium



Cheltenham High School – Athletic Stadium

Current Scope of Work

New Track, Turf Field, Grandstands & Press Box



SITE PAVING & FENCING

1,592 SEAT GRANDSTAND & PRESS BOX

NEW TRACK

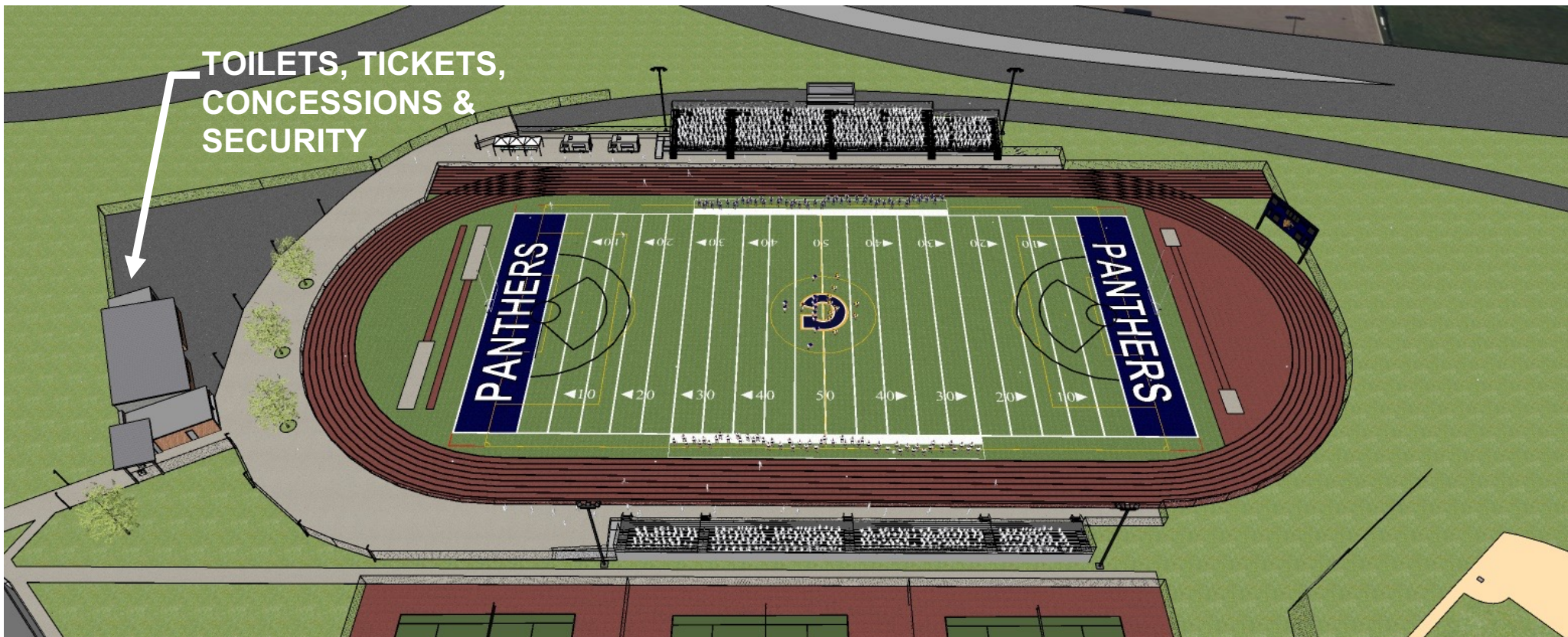
NEW TURF FIELD

924 SEAT GRANDSTAND

Cheltenham High School – Athletic Stadium

Seating Increase = 47 Code Required Toilets

Proposed Solution = New Support Building

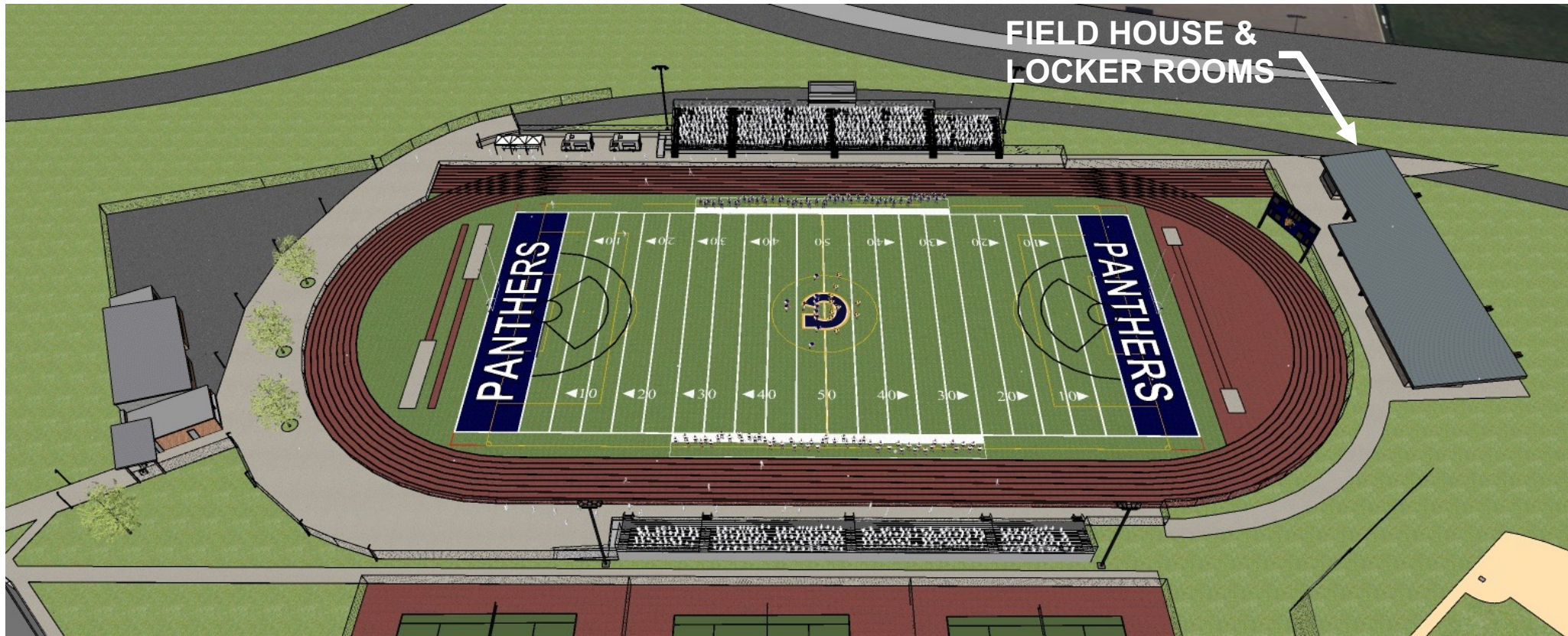


TOILETS, TICKETS,
CONCESSIONS &
SECURITY

Cheltenham High School – Athletic Stadium

Future Plan

Field House & Locker Rooms













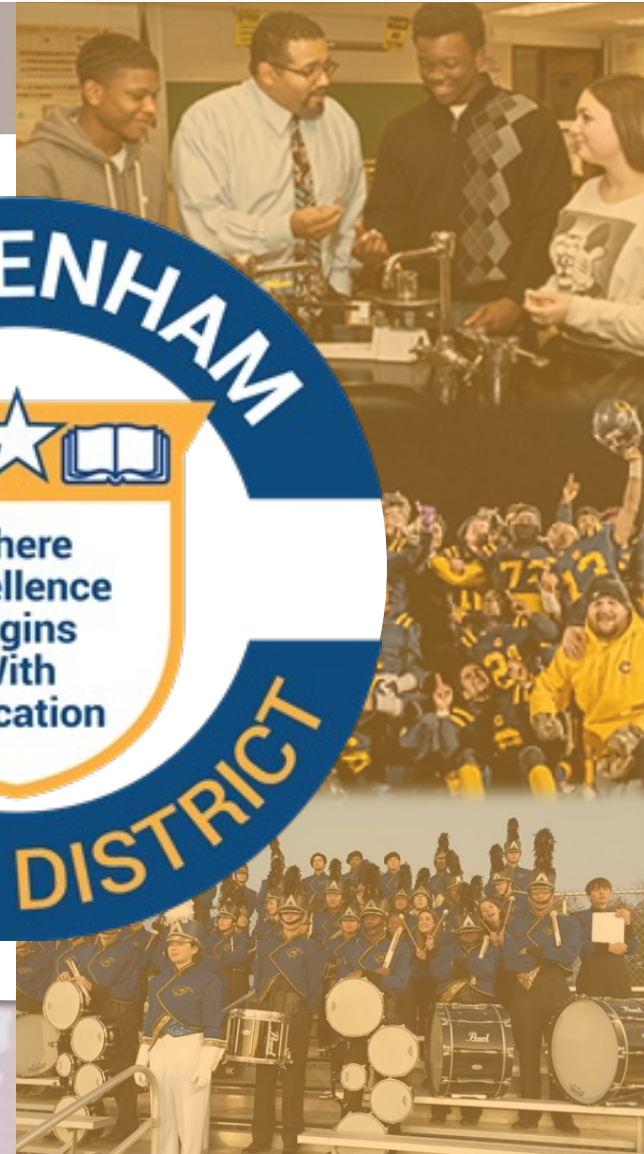




Cheltenham School District

Facilities Capacity and Program Study

February 6th, 2024



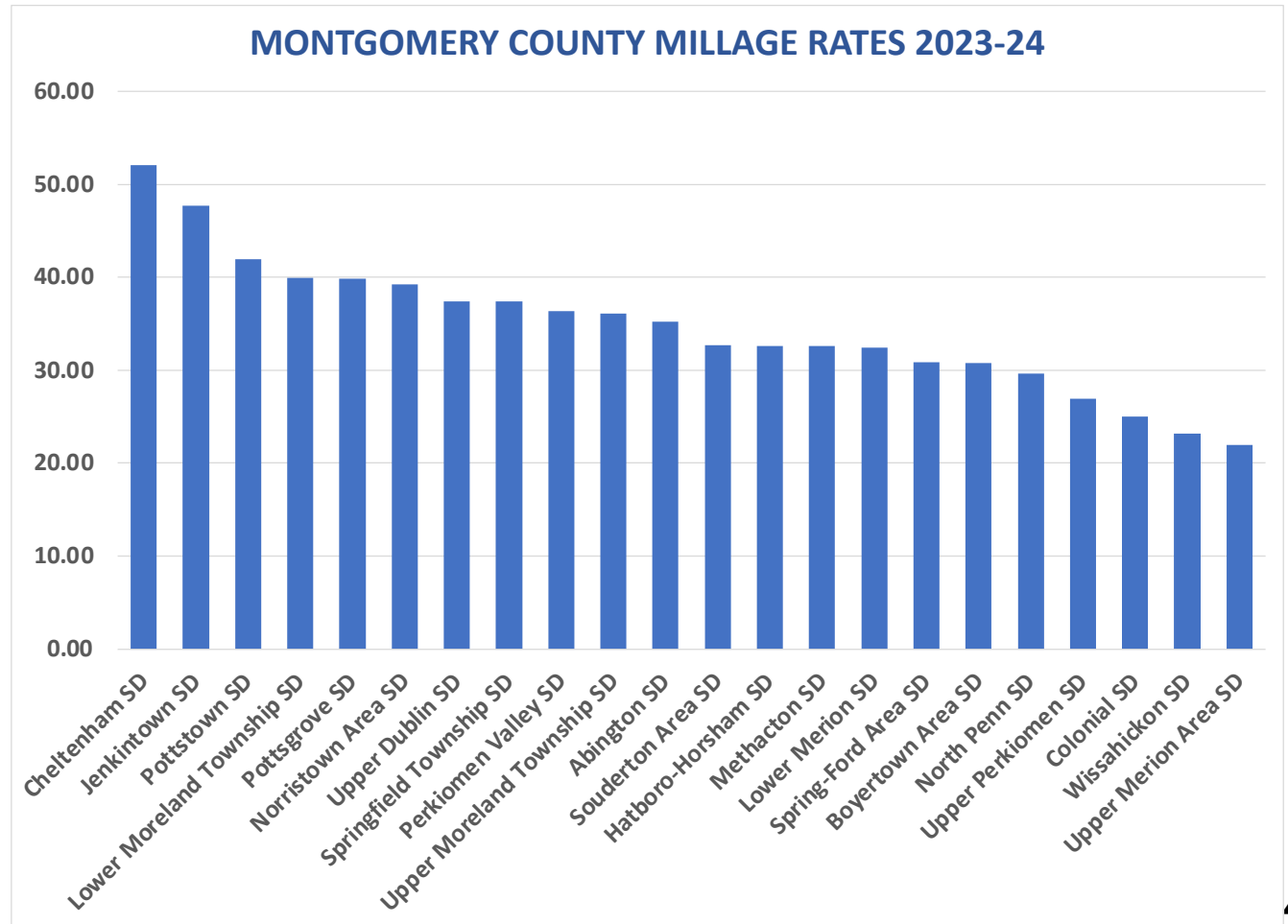
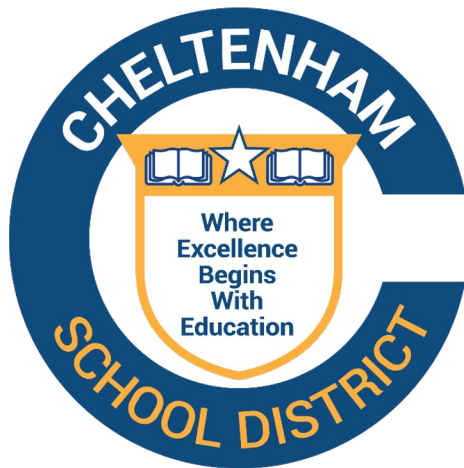
CAPITAL PLAN FINANCIAL CONSIDERATIONS

- Millage Rate
- Borrowing Capacity
- Available Funds & Budgeted Spending
- Impact to Annual Budget



Financial Considerations

MILLAGE RATES

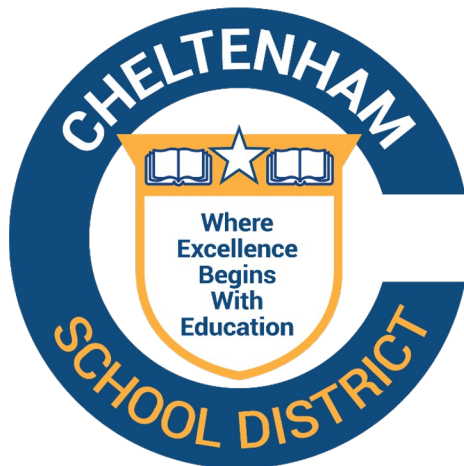


Financial Considerations

BORROWING CAPACITY

CHELTENHAM TOWNSHIP SCHOOL DISTRICT DEBT LIMIT AND REMAINING BORROWING CAPACITY

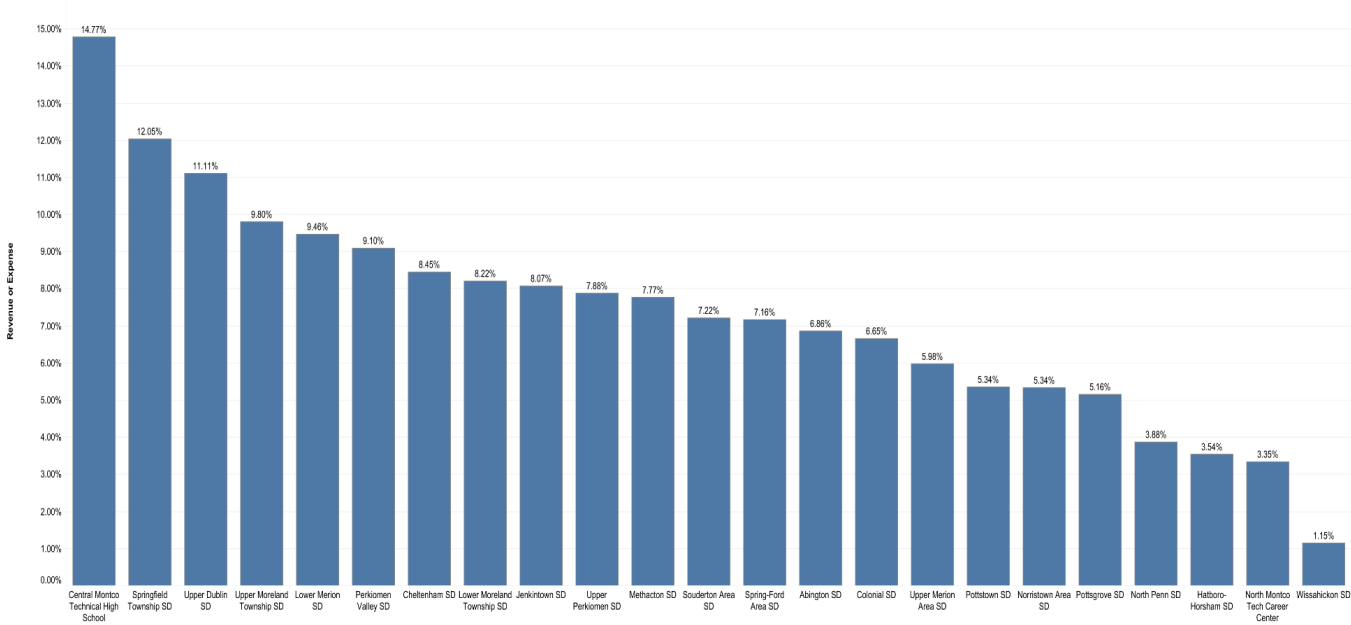
	<u>2020-21</u>	<u>2021-22</u>	<u>2022-23</u>
Total Revenues	\$ 124,056,124	\$ 130,857,908	\$ 133,988,269
Less: Rental and Sinking Fund Reimbursement	\$ 586,536	\$ 558,316	\$ 573,933
Less: Revenues for Self-Liquidating Debt	\$ -	\$ -	\$ -
Less: Interest Earned on Sinking Funds	\$ -	\$ -	\$ -
Less: Grant and Gifts for Capital Projects	\$ -	\$ -	\$ -
Less: Sale of Equipment and Non-Recurring	\$ -	\$ -	\$ -
Total Net Revenue	\$ 123,469,588	\$ 130,299,592	\$ 133,414,336
Borrowing Base - Average Net Revenues for Three Year Period	\$ 129,061,172		
Debt Limitation - 225% of Borrowing Base	\$ 290,387,637		
Less: Total Debt Outstanding *	\$ 143,940,000		
Remaining Borrowing Capacity	\$ 146,447,637		



BORROWING CAPACITY

Financial Considerations

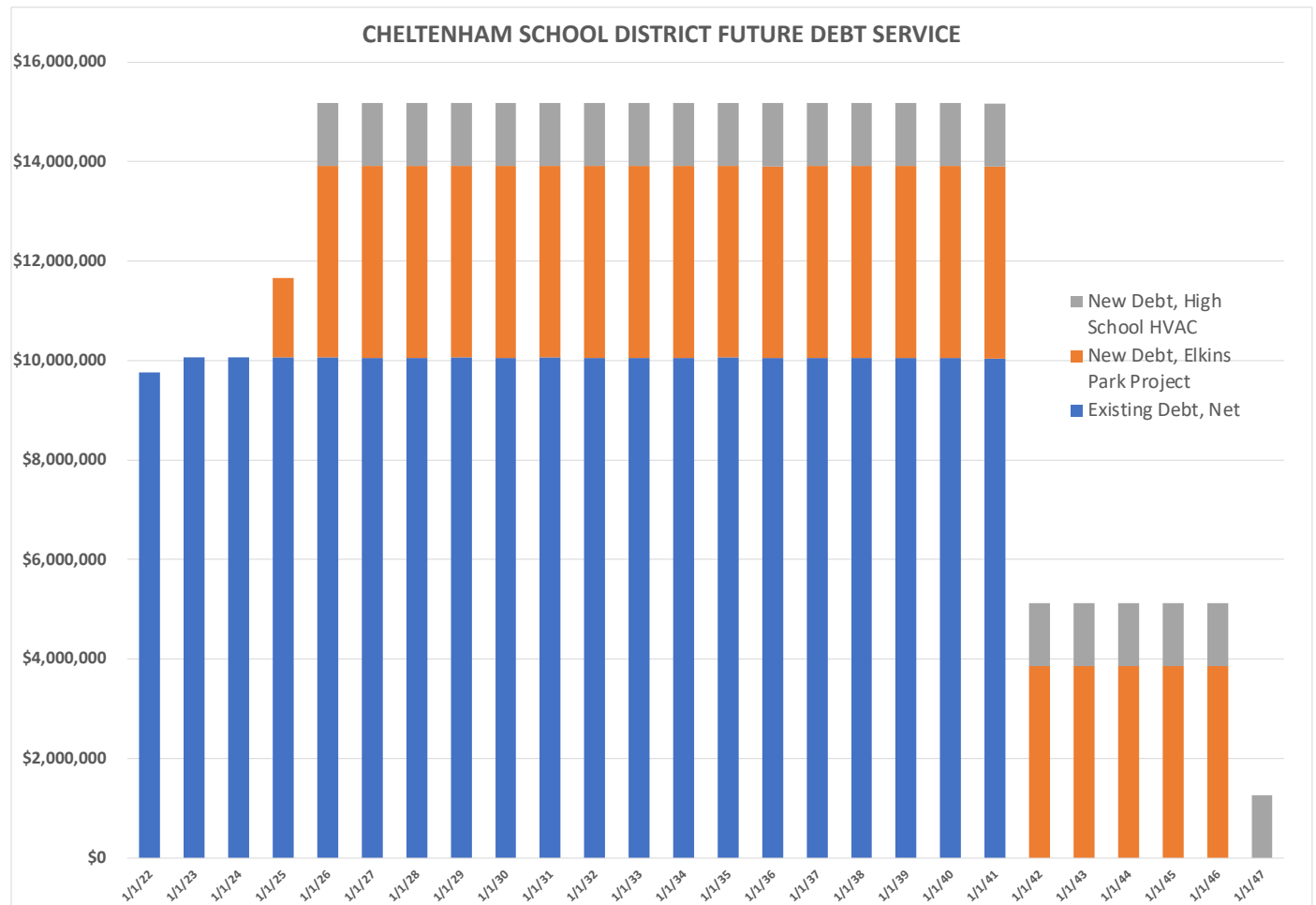
DEBT SERVICE AS A % OF TOTAL EXPENDITURES: MONTGOMERY COUNTY, PA



Financial Considerations



BORROWING CAPACITY



Financial Considerations

AVAILABLE RESOURCES

GENERAL FUND - ASSIGNED FOR CAPITAL PROJECTS	\$ 13,000,000
CAPITAL RESERVE FUND	12,275,103
2023-24 SURPLUS AVAILABLE?	5,000,000
AVAILABLE DEBT SERVICE?	60,000,000
	<hr/>
MAXIMUM AVAILABLE FOR CAPITAL PROJECTS	<u>\$ 90,275,103</u>



Financial Considerations



IMPACT TO ANNUAL BUDGET

- Hypothetical:
 - \$60M New Borrowing =
 - \$3.8M in annual debt service
 - \$20M New Borrowing =
 - \$1.2M in annual debt service
- Further evaluation needed on cost of:
 - Staffing
 - Transportation
 - Maintenance



Thank You!

