

# Somerville High School

**Project Information Presentation** 



August 23, 2016











# Wide Project Involvement:

- School Building Committee (City Appointed – MSBA Requirement)
- City of Somerville & Residents
- Massachusetts School Building Authority (MSBA)
- Department of Elementary & Secondary Education (DESE)
- Somerville Historic Preservation Commission
- Educational Visioning & Planning with Staff, Teachers, and Community
- Students



the project?

# Somerville High School

# Tonight's Agenda:

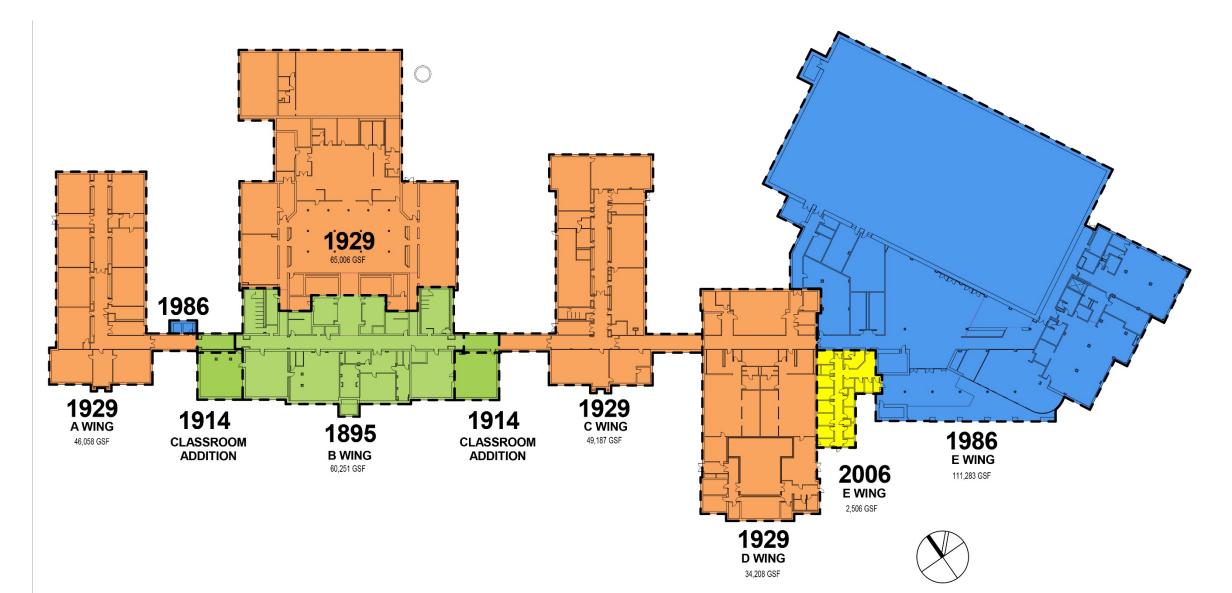
- Why SHS? & Why Now?
- Project Overview
- Educational Vision and Planning Considerations
- Project Cost History, Market and Next Steps
- Closing Remarks



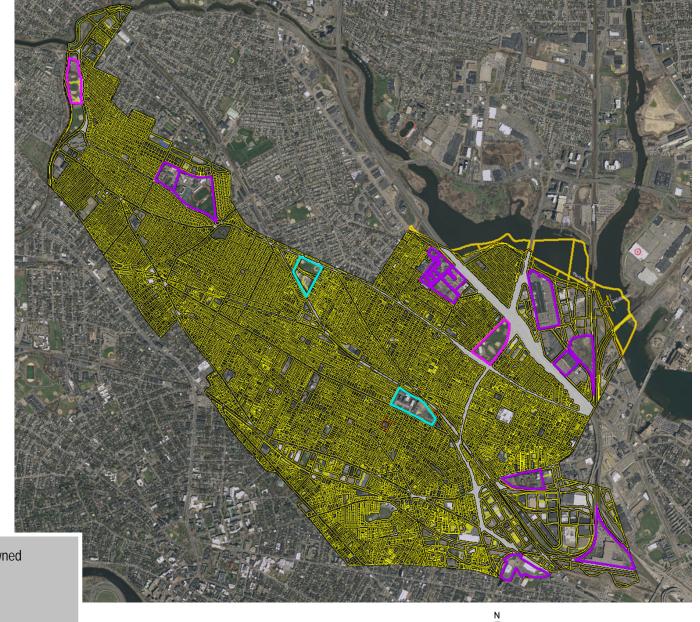
# Somerville High School - 1986 to 2015



# **Building History of Construction**



# City of Somerville: Parcels Greater Than 10 Acres





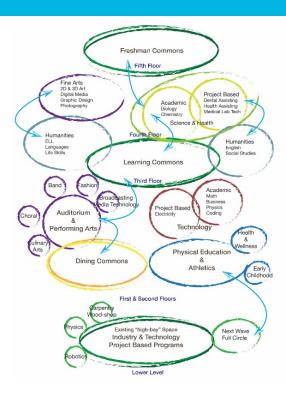
Privately Owned

City Owned



# PSR Alternatives Design Criteria for Option Selection

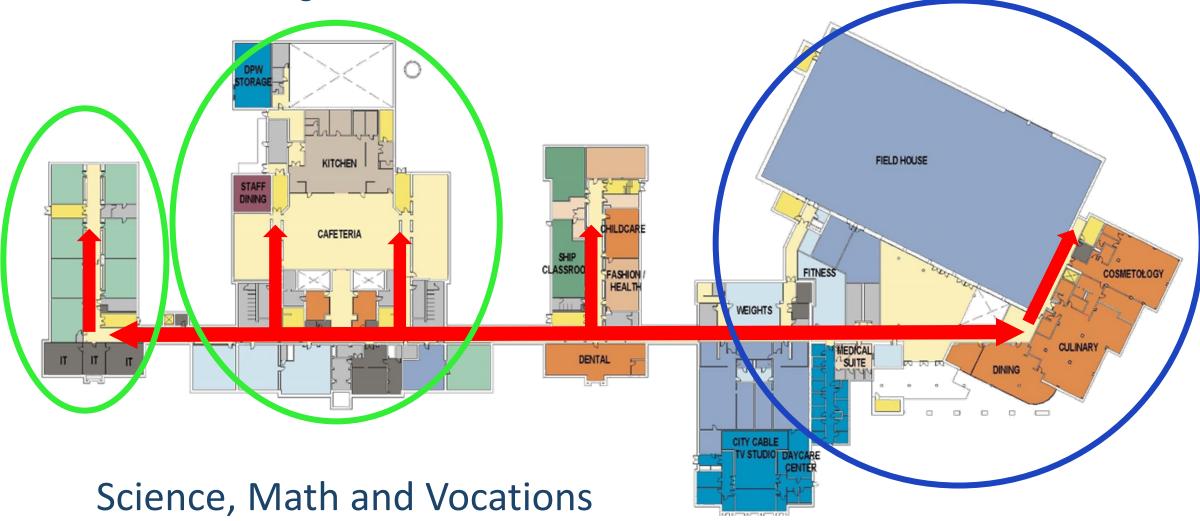
- 21<sup>st</sup> Century Teaching & Learning
  - Differentiated Learning
- Sustainability
- School Safety & Security
- Phasing Considerations
- Project Costs



	Preliminary Design Program [PDP] Alternatives									
CRITERIA	Alt 0 Repairs & Code Compliance Only	Alt 1 Interior Full Renovation Only	Alt 2 New Auditorium Add/Reno	Alt 3 Renovated Auditorium Add/Reno	Alt 4 Concourse Plan Add/Reno	Alt 4A Campus Plan Add/Reno	Alt 4B East Side of Hill Infill Plan Add/Reno	Alt 5 New Const. at Existing HS Site	Alt 6 New Const at DPW Site / Franey Road	
						ALC:				
Students	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	
Total Gross Area (Square Feet)	360,000		376,285	392,575	394,575	394,575	376,285	364,290	364,290	
Total Approximate Project Cost (Millions)	\$74	\$232	\$247	\$254	\$268	\$268	\$277	\$279	\$297	
Approximate Construction Start	Apr-2018	Apr-2018	Apr-2018	Apr-2018	Apr-2018	Apr-2018	Apr-2018	Apr-2018	Apr-2020	
Approximate Construction Duration	24 months	36 months	36 months	36 months	36 months	36 months	36 months	36 months	60 months	



# Existing High School: 1st Floor Program Plan



# Existing Building Deficiencies

- Lacking Spaces for 21<sup>ST</sup> CENTURY TEACHING & LEARNING
  - Differentiated Learning
  - Comprehensive School w/o Proper Adjacencies
  - None/Poor Common Areas
- Sustainability and Poor Building Performance
- Long Term Viability of 1929 Classroom Wings
- Substantial Additions and Renovations Required
- School Safety & Security
- Science Facilities
- Building Organization & Travel Distances

## EDUCATIONAL BENEFITS & CRITERIA

### **STRENGTHS**

Organizational Plan for STEM and STEAM
Integration of Academic and Vocational Programs
Project Based Learning Configurations/Environments
Use of Site & Hillside
Arts Integration
Preserves Critical Historic structures
Community Relationships & Uses
Usable Outdoor Athletic Space
Indoor/outdoor connectivity

#### **OPPORTUNITY**

**Parking Clarity** 

Potential to expand City/Civic programs
Accommodates Next Wave/Full Circle Program
Easy recognition of Commons Areas
Urban Relationships Connecting Gilman & Union Squares
Outdoor learning spaces & environments – Creates Identity for Students
Community Field Use

#### **CHALLENGES**

Phasing & Working Around Existing Buildings
Building Height
Concentrates Students on Tight Site
Physical Relationship to Historic Central Library
Relationship to Highland Ave
Service access
Project Cost



# Somerville High School - Spot Grades



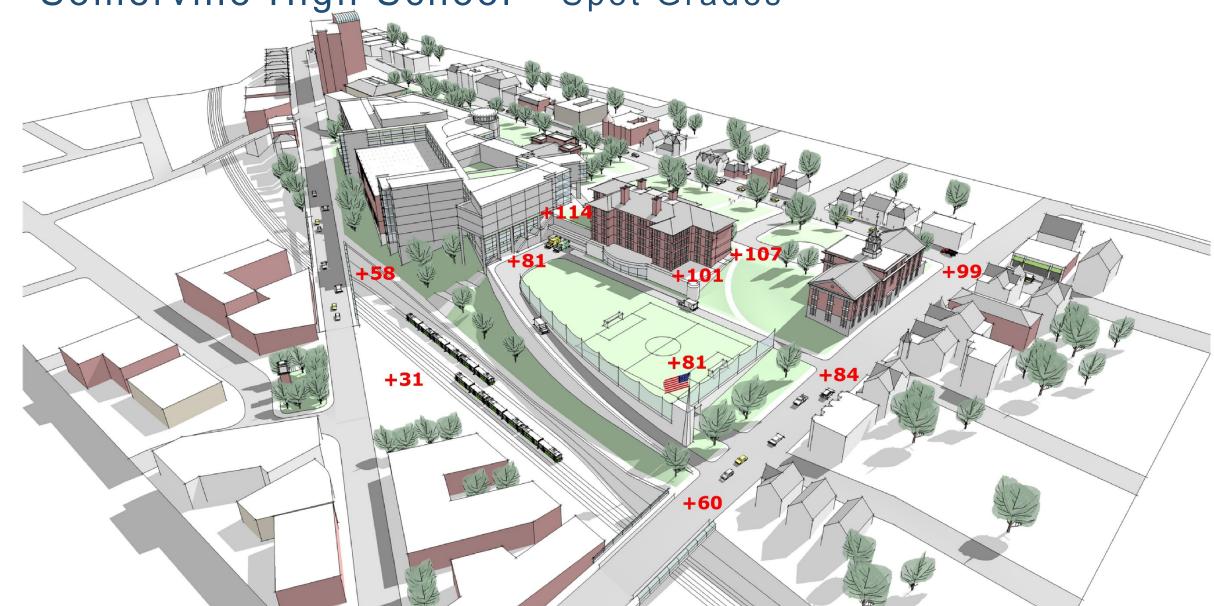
# Porter Square Steps - 116 steps to first platform



## Alternative 4b: Site Plan



# Somerville High School - Spot Grades



#### Alternative 4b: 5th Floor Plan







# Field and Venue Inventory

Somerville High School Field House

Veterans Memorial Hockey Rink

Conway Park

Fall: Football Practice

Spring: Little League

Dilboy Stadium

Fall: Football

Fall: Footba

Spring: Track

Trum Field

Spring: Baseball & Softball

Foss Park (DCR)

Fall: Soccer Practice

Spring: Softball, Ultimate Frisbee

Blessing of the Bay Boathouse

Crew

Kennedy School

J.V. Basketball

Argenziano School Field

Girl's Soccer Practice

Ultimate Frisbee

East Somerville Community School

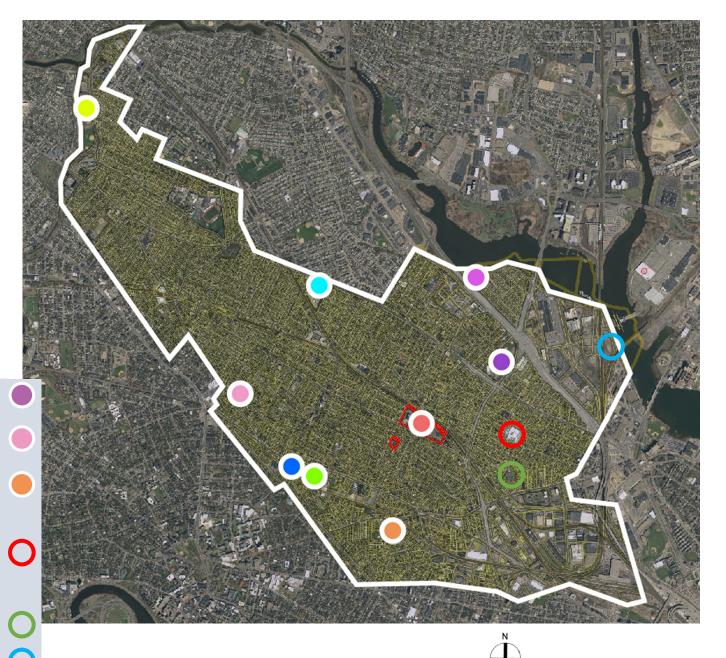
Freshman Basketball

Soccer Practice

Capuano Early Education center
Soccer Practice



Soccer Fi

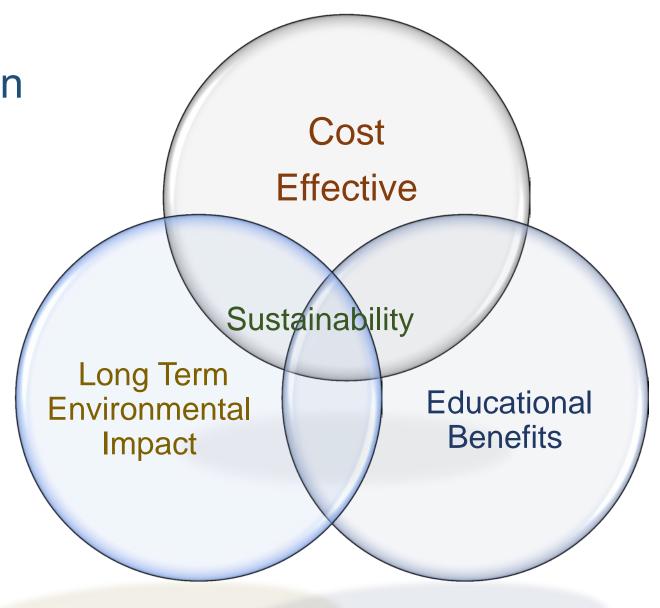


Highly Sustainable & Energy Efficient Design

LEED v4 Silver Rating

2% Additional Reimbursement







#### MSBA Process- Somerville HS Timeline

Approval

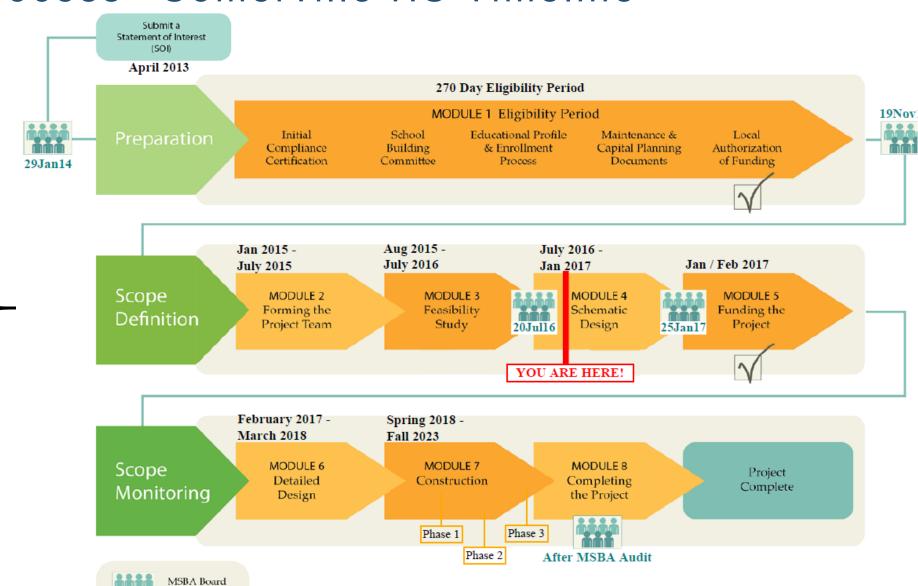




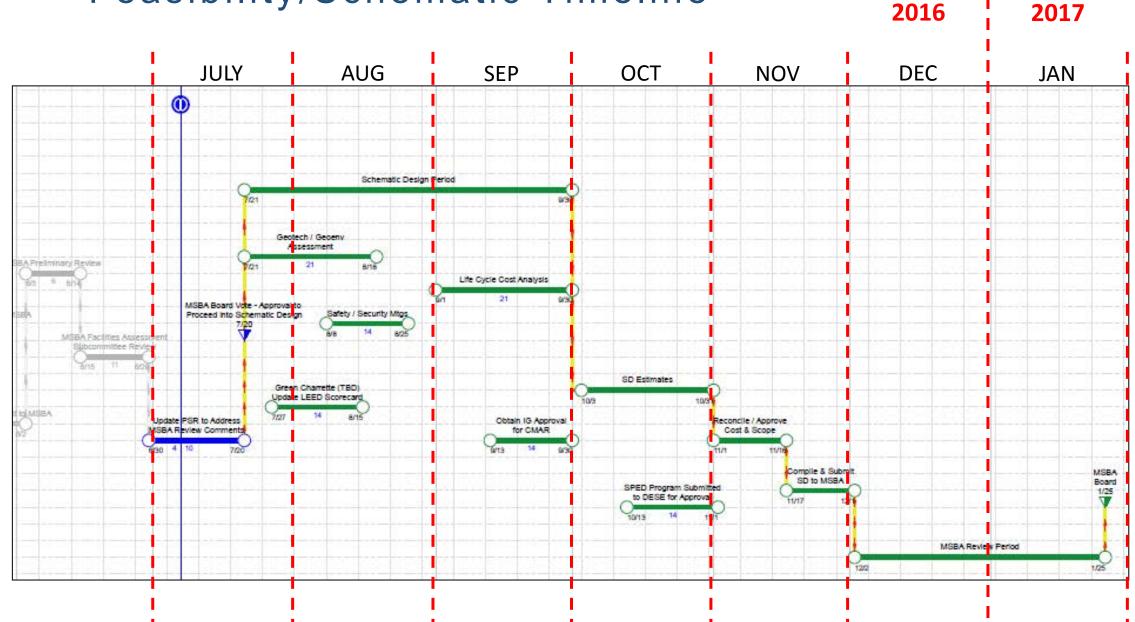


Massachusetts School Building Authority





# Feasibility/Schematic Timeline

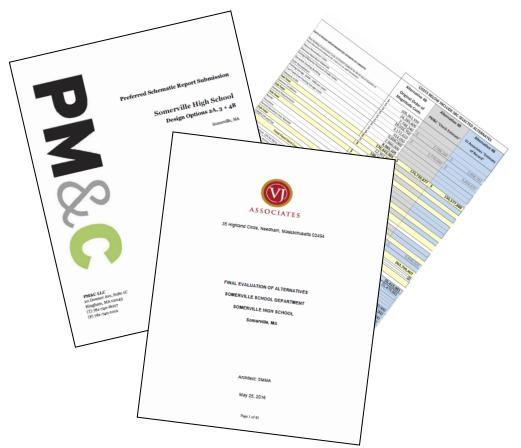


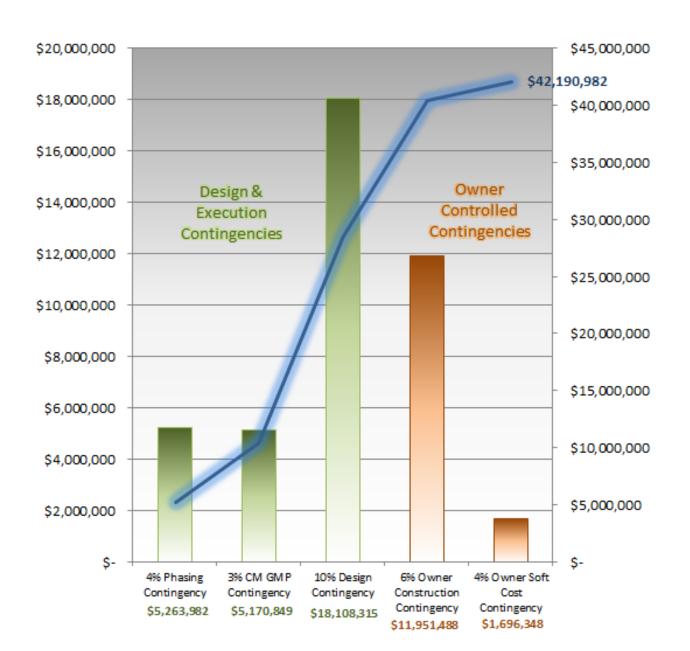
#### Recent Critical Milestones

- July 6, 2016 Board of Aldermen Financial Presentation
- July 14, 2016 Board of Aldermen Approval of Project for Ballot Submission
- July 20, 2016 Massachusetts School Building Authority Approves Preferred Schematic Option 4B

## **Budget Development**

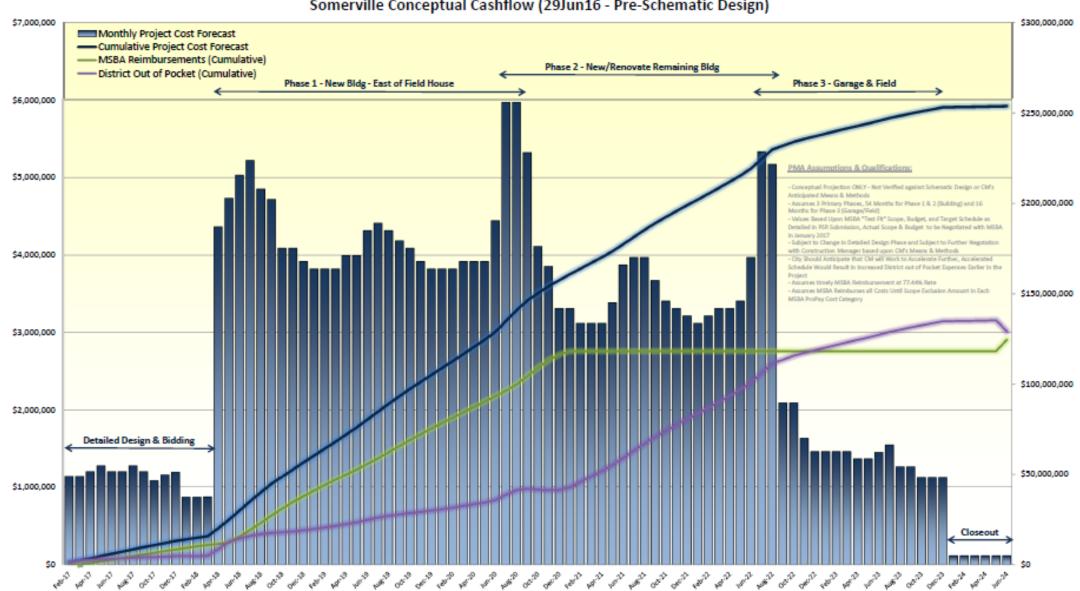
- THREE Estimating efforts (Two of those performed by 3<sup>rd</sup> party independent estimating firms)
- THREE Unique methodologies
- ALL Reconciled to within <u>0.8%</u>





### Phasing & Early Cashflow Projections

Somerville Conceptual Cashflow (29Jun16 - Pre-Schematic Design)



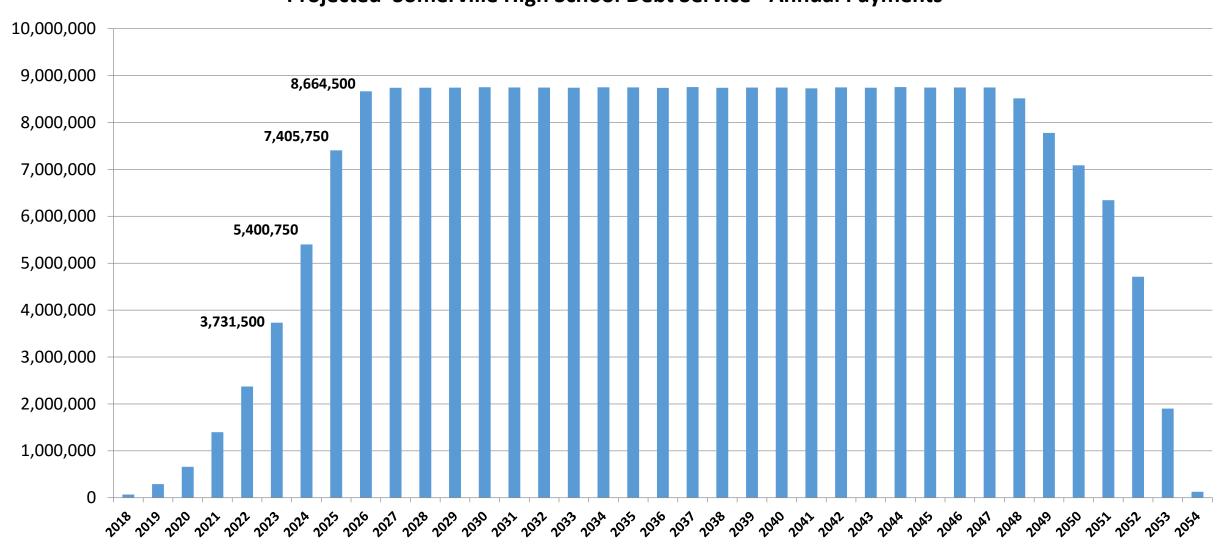


# Projected 30-Year Debt Service

	\$130,300,000 Bonds - 30 Years  A B C D E F G H I										
	A	В	С	D	E	F	G				
Fiscal Year	\$3.4M Bonds dated 6/1/2019 (BANs dated 6/1/2017)	Plus: \$11.1M Bonds dated 6/1/2020 (BANs dated 6/1/2018)	Plus: \$10.3M Bonds dated 6/1/2021 (BANs dated 6/1/2019)	Plus: \$11M Bonds dated 6/1/2022 (BANs dated 6/1/2020)	Plus: \$24.3M Bonds dated 6/1/2023 (BANs dated 6/1/2021)	Plus: \$41.9M Bonds dated 6/1/2024 (BANs dated 6/1/2022)	Plus: \$26.4M Bonds dated 6/1/2025 (BANs dated 6/1/2023)	Plus: \$1.9M Bonds dated 6/1/2026 (BANs dated 6/1/2024)	Equals: Projected Debt Service		
2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2026 2027 2038 2030 2031 2032 2033 2034 2035 2036 2037 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 2048 2049	68,000 68,000 230,000 227,000 229,000 229,750 226,750 230,000 227,750 227,750 228,250 228,500 228,500 227,750 228,250 227,750 228,250 227,750 228,250 227,000 226,000 228,750 228,750 228,000 228,750 228,000 228,750 228,000 228,750 228,000	222,000 222,000 745,000 745,500 745,500 745,500 744,000 747,500 745,250 742,500 745,250 745,250 745,500 745,000 746,750 745,750 745,250 745,250 745,250 745,250 745,250 745,250 745,250 745,250 745,250 745,250 745,250 745,250 745,250 745,250	206,000 206,000 690,000 691,250 692,250 692,250 692,250 691,250 690,750 692,750 694,000 689,500 689,500 689,500 691,250 692,000 691,750 692,000 691,750 692,000 693,250 693,250 693,250 693,250 693,250 693,250 689,500	220,000 220,000 740,000 740,500 735,500 740,250 737,750 735,750 738,250 740,000 736,600 736,500 736,500 736,500 736,500 736,500 736,500 736,750 737,250 737,250 737,250 737,500 738,750 738,750 738,750 738,750 738,750	486,000 486,000 1,630,000 1,632,500 1,632,500 1,630,500 1,630,250 1,633,750 1,631,500 1,633,750 1,631,500 1,632,500 1,632,500 1,632,500 1,632,500 1,632,500 1,632,500 1,632,500 1,632,500 1,632,500 1,632,500 1,632,500 1,632,500 1,632,500	838,000 838,000 2,810,000 2,814,250 2,811,500 2,812,000 2,812,000 2,811,250 2,813,250 2,813,250 2,814,000 2,814,000 2,814,000 2,814,250 2,814,250 2,814,250 2,814,250 2,811,250 2,811,250 2,811,250 2,811,250 2,811,250 2,811,250 2,811,250 2,811,250 2,811,250 2,811,250 2,811,250 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000 2,814,000	528,000 528,000 1,770,000 1,772,500 1,773,750 1,772,500 1,770,000 1,771,250 1,771,000 1,771,250 1,770,750 1,770,750 1,770,750 1,770,750 1,774,000 1,774,250 1,772,250 1,774,250 1,774,250 1,774,250 1,774,250 1,774,250 1,774,250 1,774,250 1,772,750 1,774,250		68,000 290,000 658,000 1,398,000 2,370,500 3,731,500 5,400,750 7,405,750 8,664,500 8,740,250 8,742,250 8,742,250 8,745,500 8,744,500 8,744,500 8,744,500 8,745,500 8,745,500 8,747,500 8,747,500 8,747,500 8,747,250 8,747,250 8,747,250 8,747,250 8,747,250 8,747,250 8,747,250 8,747,250 8,747,250 8,747,250 8,747,250 8,747,250 8,747,250 8,747,250 8,747,250 8,745,250		
2050 2051 2052 2053 2054	- - - -	- - - -	- - - -	740,250 - - - - -	1,631,750 1,632,750 - - -	2,813,000 2,811,500 2,814,000 -	1,774,250 1,771,250 1,769,750 1,774,500	127,500 127,500 127,500 127,250 126,750 126,000	7,086,750 6,343,000 4,711,000 1,901,250 126,000		
Total	6,523,500	21,307,000	19,767,750	21,114,250	46,645,750	80,430,250	50,673,750	3,644,500	250,106,750		

## Full Debt Service Payments Start in 2026

#### **Projected Somerville High School Debt Service - Annual Payments**

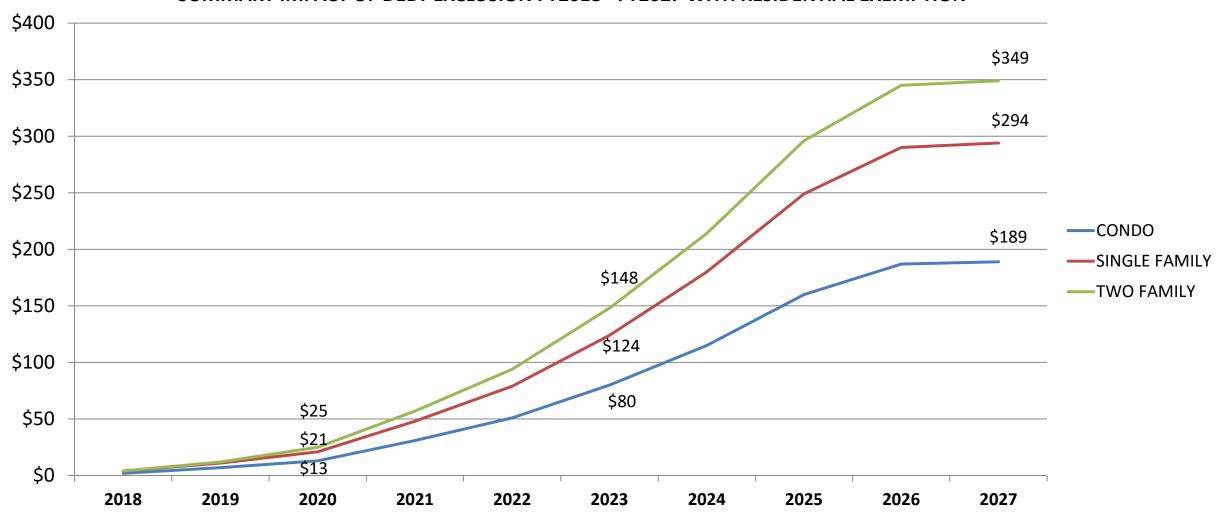


# Projected Impact of Debt Exclusion

ADDITIONAL PR	ROPERTY TAX INCREAS	SE (PROJE	CTED) BAS	ED UPON F	Y 2016 AVE	RAGE VALUE	ES*				
WITH RESIDEN	TIAL EXEMPTION	i fe									
	FY	2018	2019	2020	2021	2022	2023	2024	2025	2026	202
	DEBT SERVICE	\$68,000	\$290,000	\$658,000	\$1,398,000				\$7,405,750	\$8,664,500	\$8,740,25
USE											
CONDO		\$2	\$7	\$13	\$31	\$51	\$80	\$115	\$160	\$187	\$18
SINGLE FAM		\$4	\$11	\$21	\$48	\$79	\$124	\$180	\$249	\$290	\$29
TWO FAM		\$4	\$12	\$25	\$57	\$94	\$148	\$214	\$296	\$345	\$34
THREE FAM		\$5	\$15	\$30	\$70	\$116	\$181	\$262	\$362	\$423	\$42
4-8 FAM		\$7	\$21	\$41	\$96	<b>\$15</b> 8	\$248	\$358	\$495	\$578	\$58
9+ FAMILY		\$31	\$93	\$185	\$432	\$709	\$1,110	\$1,604	\$2,221	\$2,591	\$2,62
COMM. & IND.		\$19	\$95	\$190	\$418	\$703	\$1,102	\$1,615	\$2,204	\$2,584	\$2,60
ASSUMES RESI	DENTIAL EXEMPTION F	FOR COND	O, 1, 2, 3, 4-	8 UNIT US	ES						
WITHOUT RESI	DENTIAL EXEMPTION										
CONDO		\$4	\$13	\$26	\$60	\$99	\$155	\$224	\$311	\$362	\$36
SINGLE FAM		\$6	\$17	\$33	\$78	\$128	\$200	\$289	\$400	\$466	\$472
TWO FAM		\$6	\$19	\$37	\$87	\$143	\$223	\$322	\$446	\$521	\$52
THREE FAM		\$7	\$21	\$43	\$100	\$164	\$257	\$371	\$513	\$599	\$60
4-8 FAM		\$9	\$27	\$54	\$126	\$206	\$323	\$467	\$646	\$754	\$76
9+ FAMILY		\$31	\$93	\$185	\$432	\$709	\$1,110	\$1,604	\$2,221	\$2,591	\$2,62
COMM. & IND.		\$19	\$95	\$190	\$418	\$703	\$1,102	\$1,615	\$2,204	\$2,584	\$2,60
	CONTINUES UNTIL FY										

## Projected Impact of SHS on Property Tax

#### SUMMARY IMPACT OF DEBT EXCLUSION FY2018 - FY2027 WITH RESIDENTIAL EXEMPTION



Based on FY2016 Average Values

# Mitigation Options Under Review

Building Permit Revenue

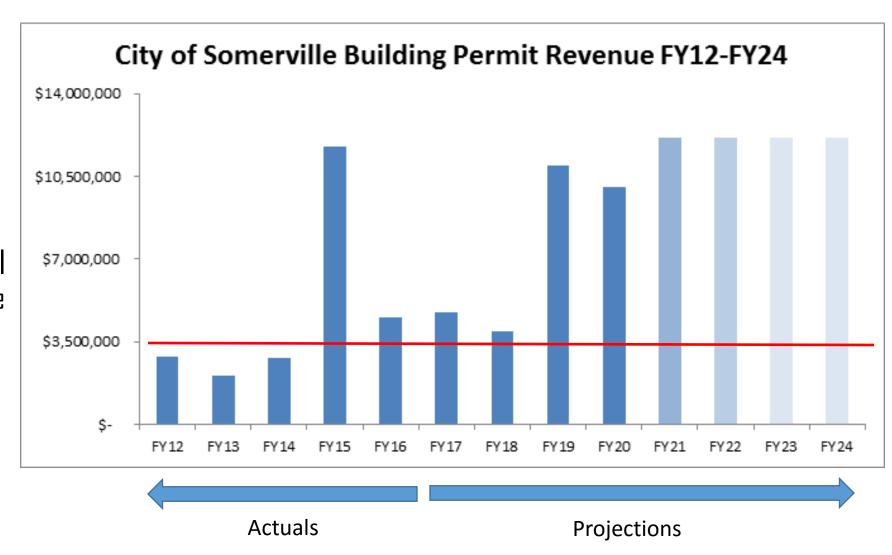
Sale of Assets

Reserves

# Building Permit Revenue Projections

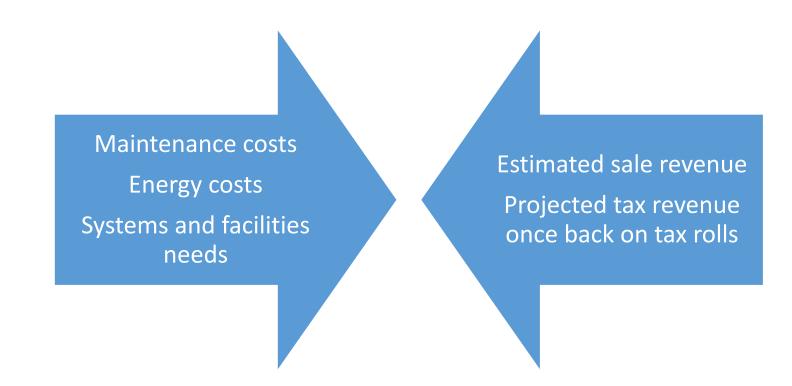
The Long-Range Forecast assumes \$3.5M in annual building permit revenue (\$35M over 10 years).

However, if development timelines are realized as currently anticipated, the actual value of building permit revenue would exceed this by \$30M+.



#### Framework for Sale of Assets

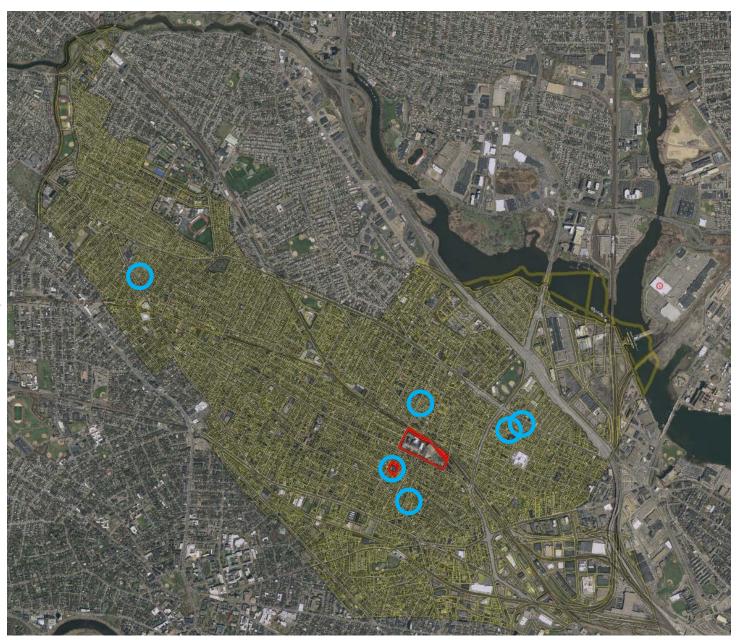
- Assess programmatic space needs
- Assess ongoing energy, maintenance, and repair costs
- Determine highest and best use options under current and proposed zoning
- Conduct cost-benefit analysis of continued use vs. sale



# City Building Assets and Consolidation Planning

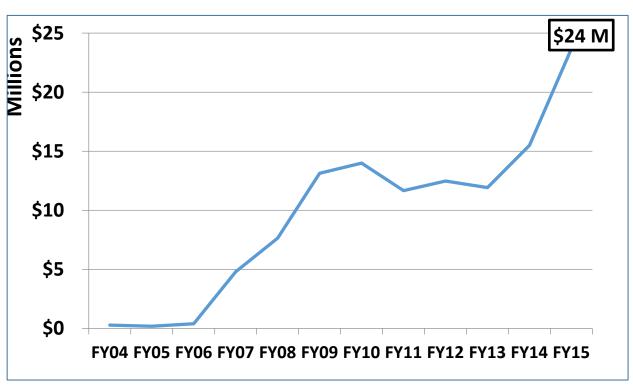
Six buildings currently under review:

- Edgerly School 8 Bonair St.
- Cummings School 42 Prescott St.
- School Admin Building 42 Cross St.
- Recreation Building 19 Walnut St.
- City Hall Annex 50 Evergreen Ave.
- o Traffic & Parking, 133 Holland St.



# Prioritizing Reserves for Capital Investments

#### **Stabilization Fund Balance**



#### **Annual Free Cash Certification**

